

[Report 1903] / Medical Officer of Health and School Medical Officer of Health, Rochdale County Borough.

Contributors

Rochdale (Lancashire, England). County Borough Council.

Publication/Creation

1903

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COUNTY
BOROUGH



OF
ROCHDALE.




With the
Medical Officer's Compliments.

Rochdale:

E. WRIGLEY AND SONS LTD., PRINTERS, ACKER-STREET.

1904.



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COUNTY
BOROUGH



OF
ROCHDALE.

ANNUAL

REPORT

OF THE

Medical Officer of Health,

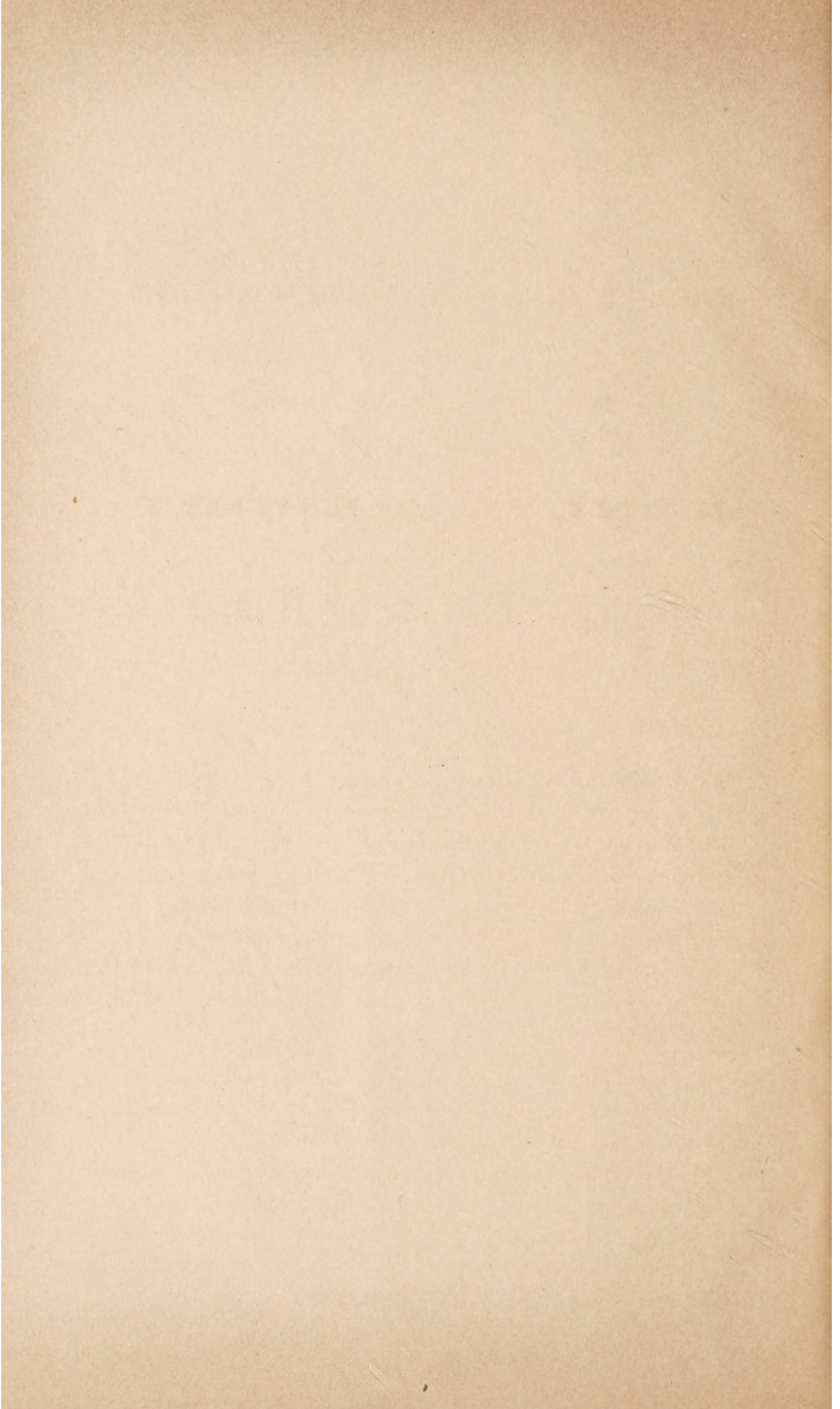
FOR THE

Year ended December 31st, 1903.

Rochdale:

E. WRIGLEY AND SONS LTD., PRINTERS, ACKER-STREET.

—
1904.



COUNTY BOROUGH OF ROCHDALE.

HEALTH COMMITTEE

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH,

FOR THE YEAR 1903.

MR. CHAIRMAN AND GENTLEMEN,

I have great pleasure in presenting to you my Twenty-fifth Annual Report on the Health and Mortality of the Borough, with a statement of the Sanitary Work accomplished during the year ended December 31st, 1903. In this Report I shall lay before you some suggestions for your consideration, which, if carried out, will, I think, improve the sanitary condition and consequently the health of the inhabitants.

The population, as estimated by the Registrar-General, to the middle of 1903 is 84,824; males 39,520, females 45,304. The population per inhabited house, as obtained from the census return, was 4.11, as compared with 4.30 in the previous decade. Owing to the extension of the Borough in 1901, and the alterations of the Registrar-General, I have been compelled for greater convenience to adopt a system of registration districts and wards.

Estimate of
Population

Births

The Births registered during the year numbered 2,071; males 1,083, females 988, an increase of 26 on that of the preceding year, and equal to an annual birth-rate of 24·4 per 1,000 of the population. The same rate last year was 24·3, and the preceding year 22·9. The birth-rate for the whole of England and Wales was 28·4 per 1,000; the seventy-six largest towns 29·8, and for the one hundred and three next largest towns 27·3. Of the different districts of the Borough, Wardleworth was the highest, being 27·1 per 1,000; the lowest was Spotland 22·0. The birth-rate, which had been gradually decreasing until the year before last, when it reached its lowest point, 22·9, has this year shown a further slight increase.

Deaths

The total number of Deaths amongst residents was 1,455; males 755, females 700, equal to an annual death-rate of 17·1 per 1,000. This is the corrected death-rate, and includes all Rochdale residents who have been removed for treatment or infirmity to such Public Institutions as the Workhouse, Royal Infirmary (Manchester), etc., outside the Borough. It excludes all residents of other districts dying in Public Institutions within the Borough. The same rate for similar-sized towns was 16·2. The annual death-rate amongst males was 19·10, and females 15·45 per 1,000 estimated to be living of each sex. Last year the corresponding rates were 20·24 and 15·78. In equal numbers living the deaths were as 108 males to 100 females. The corrected death-rate was highest in Castleton North Ward, 22·4, Wardleworth West Ward being next with 21·3. The lowest was Castleton West Ward, 14·0 per 1,000. Excluding the Workhouse deaths, the death-rate for the whole Borough was 15·58. The year before my appointment, viz., 1879, the death-rate was 25·3, it is now 17·1, showing a saving of 8·2 per 1,000 of the inhabitants, or 690 lives per annum.

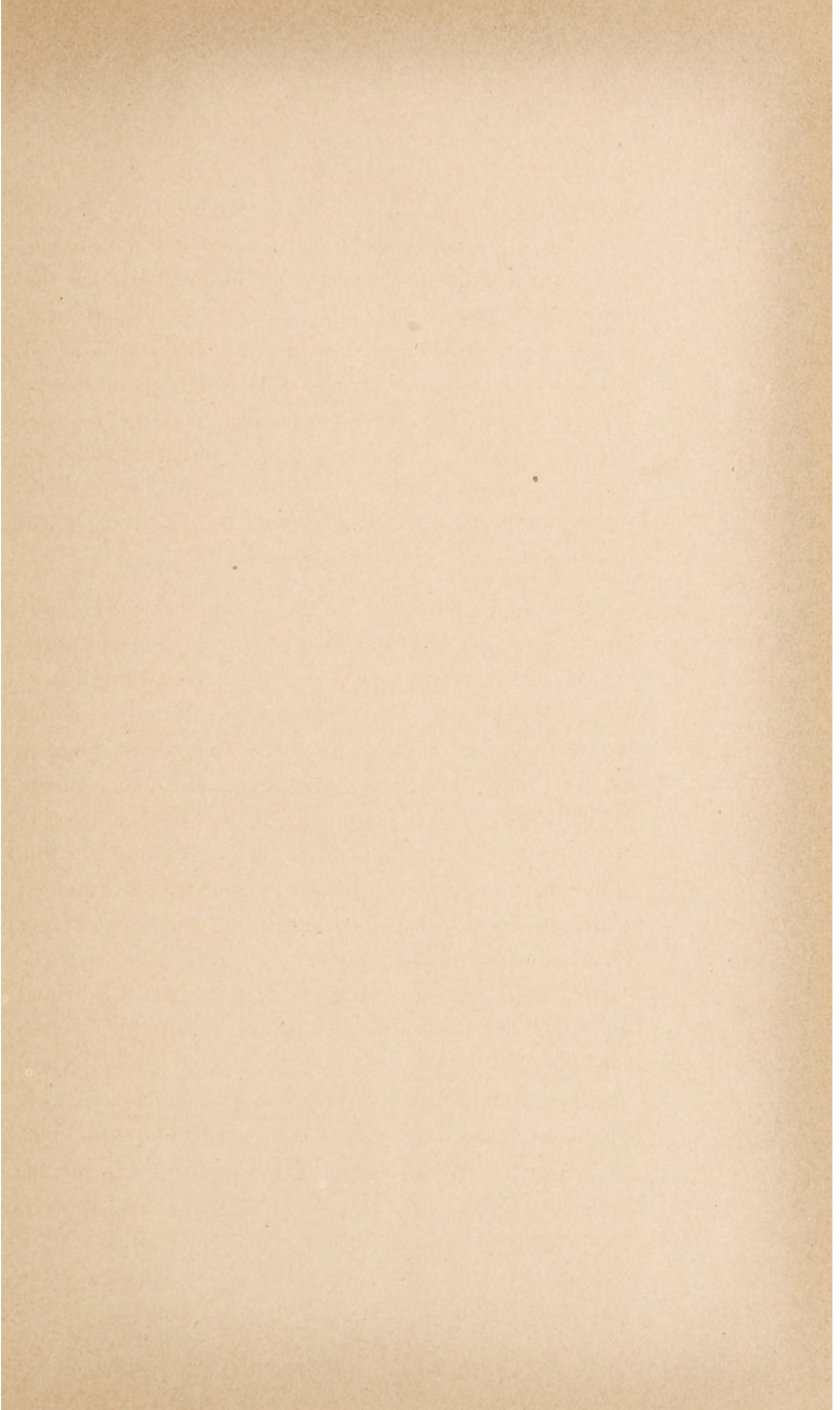
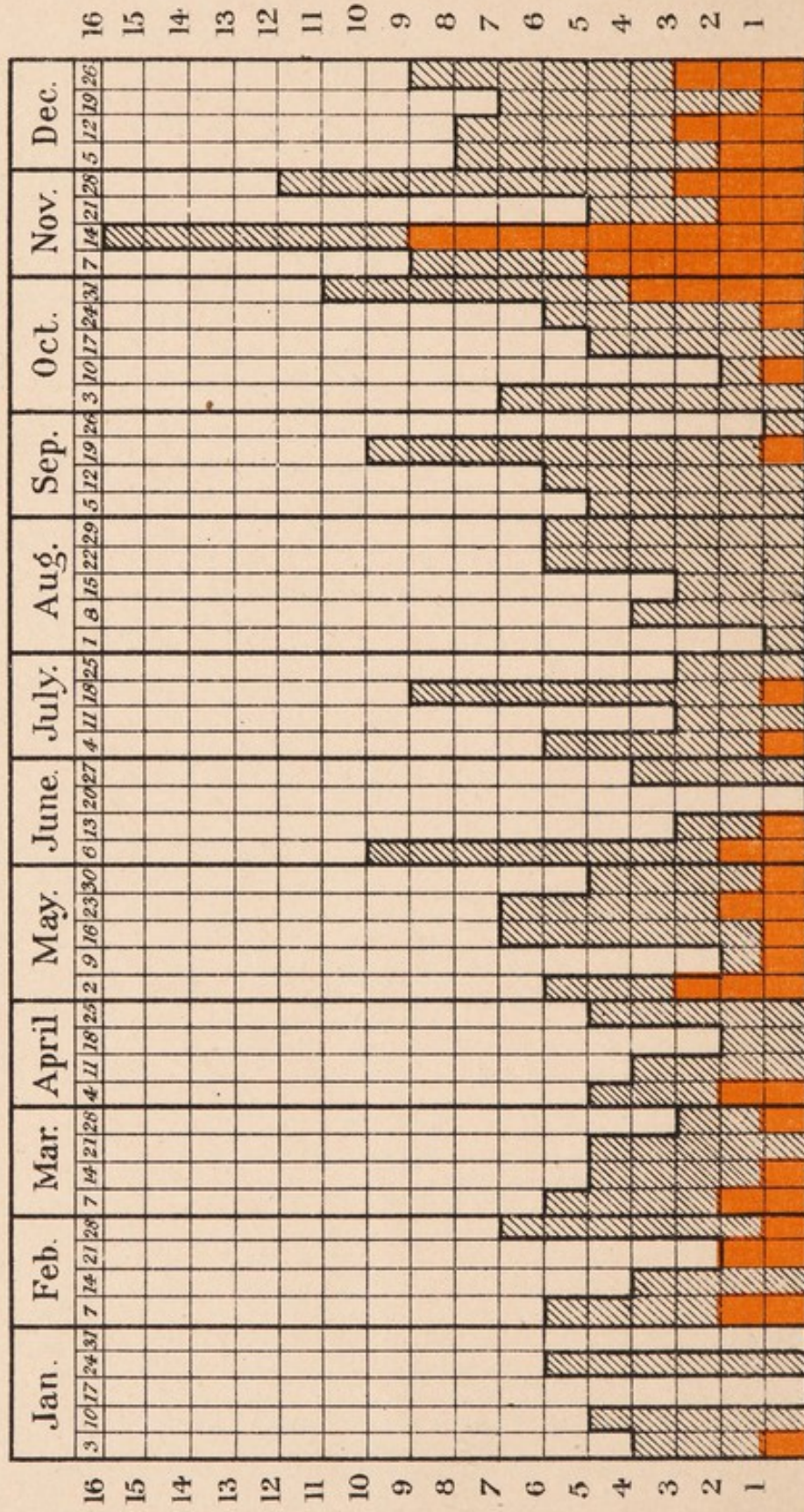




CHART I.

1903.



Weekly Deaths of Infants under 1 year of Age.

 Shaded portion shows total deaths per week.
 Red portion shows deaths from Respiratory Diseases.

The following table gives the annual death-rate per 1,000 of the population of the different districts as taken from the Registrar-General's Report (except Rochdale):—

England and Wales... Population $33\frac{1}{4}$ millions...	15·4
Rural Districts ,, $14\frac{1}{2}$,, ...	14·8
Seventy-six great towns ,, 15 ,, ...	16·2
One-hundred-and-three smaller towns $3\frac{1}{2}$,, ...	14·6
Lancashire	17·8
Rochdale	17·1

The number of deaths of infants under one year of age was 285, or 19·6 per cent. of the total deaths, and nearly 2·3 more than last year. The infantile mortality was 138 per 1,000 of the births registered during the same time. In England and Wales this rate was 132, in the seventy-six great towns 144, and in the one-hundred-and-three smaller towns 135; in rural districts 118. By referring to Chart I, you will see at a glance the total weekly deaths of infants under one year of age, and the number of these caused by respiratory affections marked red.

Infantile
Mortality

The adjoining table shows the results of enquiries made as to the feeding of infants. The results show that only 77 cases were breast-fed out of 282 deaths, and 37 did not live long enough to take any food. The effects of the mothers' occupation on the health of their children was 64 deaths amongst infants whose mothers worked in the mill; 50 whose mothers were charwomen; 4 whose mothers were dead, and 164 whose mothers followed home work. The sanitary condition of the houses was good in 161 cases, and bad in 121. 102 deaths, or 36% of the infant deaths, occurred in back-to-back houses. There were 98 of these infants insured. Nearly one-half of the deaths occurred under the age of one month. The whole of the enquiries show that these deaths have been more the result of want of knowledge than neglect.

Infant
Feeding

CLASSIFIED LIST OF INFANT DEATHS, 1903, SHOWING EFFECT OF FEEDING, &C.

Class.	No. of Deaths.		Cause of Death.	Method of Feeding.				Mother's Work.				Sanitary condition of house.			Insured.	Under 1 month.	Over 1 month	Over 2 months	Over 3 months	Over 4 months	Over 4 months	Over 5 months	Over 6 months	Over 6 months	Over 7 months	Over 7 months	Over 8 months	Over 8 months	Over 9 months	Over 10 months	Over 10 months	Over 11 months	Over 11 months	Under 12 month	
	Male.	Female.		Breast.	Bottle.	Foods.	Bottle.	None.	Mill.	Char-ing.	Home-work.	Ill or Dead.	Good.	Bad.		Back to back.	Under 1 month.	Over 1 month	Over 2 months	Over 3 months	Over 4 months	Over 4 months	Over 5 months	Over 6 months	Over 6 months	Over 7 months	Over 7 months	Over 8 months	Over 8 months	Over 9 months	Over 10 months	Over 10 months	Over 11 months	Under 12 month	
1	18	21	Zymotic Diseases	13	22	4	...	9	6	23	1	27	12	12	25	5	2	3	4	4	5	2	5	2	5	6	5	2	...	...	...	...	...	...
2	41	21	Respiratory Diseases	23	35	1	3	18	11	33	...	36	26	19	14	13	4	3	3	3	3	6	9	2	2	3	3	4	4	7	...	...	...	...
3	54	39	Wasting Diseases	12	42	...	10	12	7	73	1	50	43	41	19	74	7	3	1	1	2	2	2	2	2	2	...	...	...	...	...	...	...	...
4	12	13	Convulsive Diseases	2	10	3	7	8	5	12	...	18	7	8	15	11	...	2	1	2	2	1	1	1	1	2	2	2	2	1	...	...	...	...
5	4	3	Tubercular Diseases	1	4	2	...	2	4	1	...	4	3	3	4	3	...	...	...	...	1	...	...	...	...	1	...	1	1	1	...	...	...	...
6	20	15	Other Causes	19	7	3	3	12	10	12	1	17	18	9	17	15	7	4	1	1	2	1	1	2	1	1	...	1	1	1	1	1	1	1	1
7	12	9	Inquests	7	4	2	6	3	7	10	1	9	12	10	4	10	5	...	1	1	2	...	...	1	2	...	...	...	2	...	...	...	...	...
	161	121	282	77	124	15	29	64	50	164	4	161	121	102	98	131	25	15	11	18	15	15	13	17	15	15	10	12	12	12	12	12	12		

Class 1 includes 1 Scarlet Fever, 23 Whooping Cough, 3 Measles, 10 Diarrhoea, 2 Zymotic Enteritis.
 " 2 37 Pneumonia, 23 Bronchitis, 2 Congestion of Lungs.
 " 3 24 Marasmus, 24 Prem. Births, 17 Debility, 8 Heart failure, 6 Inanition, 10 Immaturity at Birth, 2 Atrophy, 2 Asthenia.
 " 4 11 Convul-ions, 8 Dentition, 6 Meningitis.
 " 5 1 Tubercular Abscess, 2 Tubercular Enteritis, 2 Tubercular Peritonitis, 2 Tuberculosis.
 " 6 7 Enteritis, 5 Gastritis, 2 Cellulitis, 1 Laryngitis, 1 Peritonitis, 2 Eclampsia, 5 Gastric Catarrh, 3 Mal-nutrition, 2 Atelectasis, 1 Spina Byfida, 1 Abscess, 1 Syphillis, 1 Scrotal Hernia, 1 Patent Foramen, 1 Imperforate Anus, 1 Icterus Nematourum.
 " 7 " All deaths under 1 year not certified by a Qualified Medical Practitioner.

421 deaths of children under five years of age were recorded during the year under notice, or 13 more than the preceding year, and 21 less than the average for the 10 preceding years. The percentage of deaths at this age to the total deaths was 28·9, or 1·5 per cent. less than the average for the preceding decade. Of the 1,455 deaths occurring during the year, 330 were at or over the age of 65, and equal to 23 per cent. of the total deaths.

Mortality at
Different
Ages

The following table shows the rates in the surrounding towns under the several headings as below, for the purpose of comparison. The towns chosen are about the same size as Rochdale, and like it are employed chiefly in manufacturing industries:—

	Birth-rate per 1,000.	Death-rate per 1,000.	Zymotic Death-rate per 1,000.	Rate of Infantile Mortality under 1 year to 1,000 Births.
ACCRRINGTON	21·9	14·7	1·90	130
ASHTON-UNDER-LYNE .	26·2	19·9	2·70	200
BRADFORD	23·3	16·2	1·32	148
BOLTON	27·1	17·6	1·98	151
BURNLEY	27·7	19·0	1·43	216
BLACKBURN	25·2	15·7	1·70	158
BURY	22·8	17·7	2·13	174
HALIFAX	21·0	15·0	0·66	124
HUDDERSFIELD ...	23·8	16·7	0·84	120
OLDHAM	25·6	18·6	2·40	160
STOCKPORT	31·6	20·1	2·52	183
ST. HELENS	39·1	17·5	1·72	138
WIGAN	35·5	21·7	4·18	174
WARRINGTON... ..	35·6	18·4	3·6	154
Rochdale	24·4	17·1	1·38	138

You will see by referring to the foregoing table that our Death-rate, Zymotic Death-rate, and Infant Mortality compare favourably with the similar-sized surrounding towns.

The seven principal Zymotic diseases caused 117 deaths, or 1 less than the preceding year; also 14 less than

Zymotic
Diseases

the mean average for the decade 1893-1902. The death-rate from these causes during the year was 1·38 per 1,000 of the population; the same rate for England and Wales was 1·46; the seventy-six great towns 1·89; and the one-hundred-and-three smaller towns 1·41. Castleton North and Castleton Moor Wards had the highest death-rates—1·82; Spotland East Ward came next with 1·80; and Spotland West Ward the lowest rate from these causes—0·72.

Chicken Pox

At the request of the Health Committee, the Council decided on June 4th to request the Local Government Board to make Chicken Pox notifiable in the district. On the receipt of the notification I inspected 114 cases, 4 of which proved to be Smallpox.

Smallpox.

During the year there were 114 cases of Smallpox notified in the Borough. 99 came from ordinary houses, and 15 from common lodging houses. 2 of those from ordinary houses turned out not to be Smallpox. All the cases were removed to the Hospital with the exception of one, which, on examination, was found to be Varacella, and out of this number only 5 deaths occurred. I will give a more detailed account of the epidemic in a future report.

Measles

There were 4 deaths from Measles registered during the year, 3 were under the age of one year, and 1 under the age of five years. The disease was most prevalent in the Wardleworth district, and was most fatal during the latter end of the first quarter of the year, due no doubt to the prevalence of easterly winds. It subsequently extended to the Castleton district, but did not prove so fatal, as only 1 death occurred in that district. Notification of this disease not being compulsory, there have been only 72 cases ascertained, but there is no doubt that many more cases occurred which have not come to my knowledge. The death-rate from this cause was 0·05 per 1,000. The same rate for England and Wales was 0·27, for the seventy-six great towns 0·36, for the one-hundred-and-three smaller towns 0·29, and for the rural population 0·17. I did not

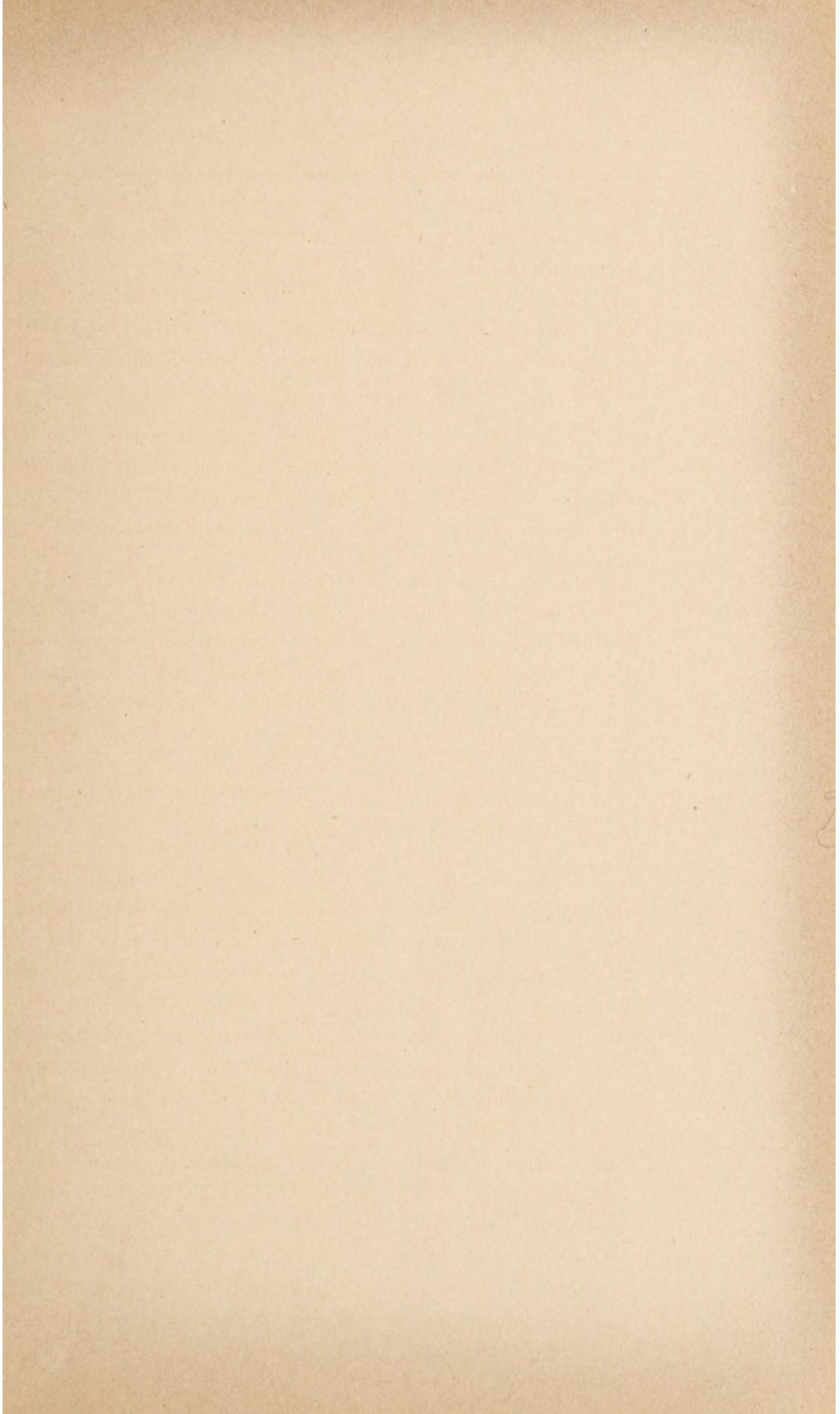
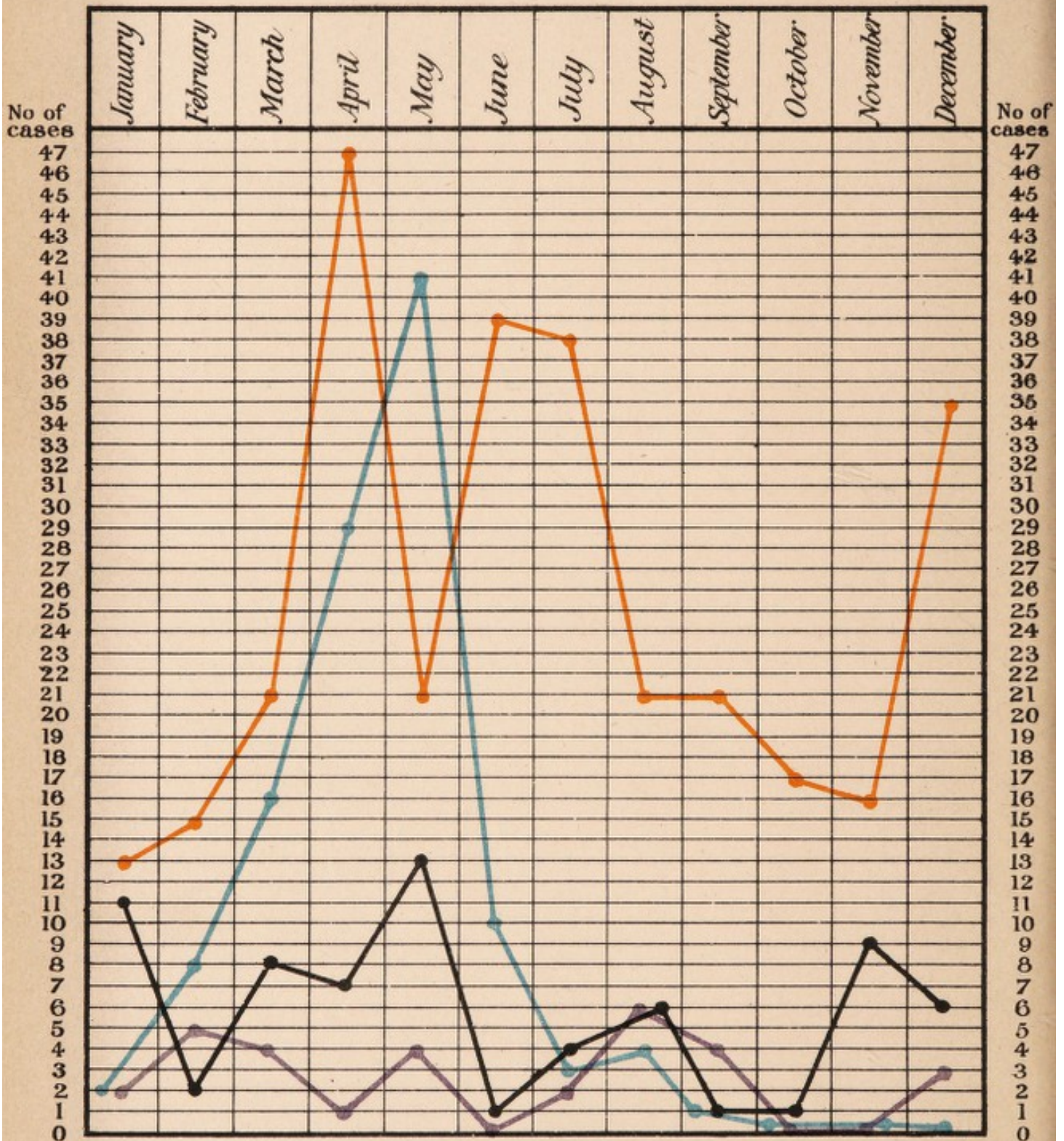


Chart showing notifiable Infectious Diseases reported each month of the year 1903.



SCARLET FEVER
 ENTERIC FEVER
 SMALL POX
 DIPHTHERIA

order the closing of any schools, as I consider in populous districts no advantage is gained by so doing. Pamphlets giving simple directions for isolation and for disinfection at the termination of the illness, were sent to all houses where this disease was known to have occurred.

304 cases of Scarlet Fever were notified, and out of this number only 11 proved fatal. Of these 3 occurred in Castleton Moor, 2 each in Spotland East and Spotland West, and 1 each in Castleton East, Castleton South, Wardleworth South, and Wuerdle Wards. The death-rate from this cause was 0·13 per 1,000, or a case mortality of 3·6 per cent. The same rate for England and Wales was 0·12, for the seventy-six great towns 0·14, and for the one-hundred-and-three smaller towns 0·12, in rural districts 0·10. 96 of the cases notified, or 31·6 per cent., were removed for treatment to Marland Hospital.

Scarlet
Fever

Whooping Cough has been credited with 42 deaths, or 29 more than the preceding year, out of 174 cases ascertained. The average number of deaths for the ten preceding years was 23. This is another of the Zymotic diseases in which notification is not compulsory, and the information I receive is tendered gratuitously, for which I am grateful. Pamphlets have been sent to each house immediately on becoming aware of the existence of the disease, containing instructions as to isolation and other precautions necessary to prevent the spread of the disease. The deaths form 2·88 per cent. of the total deaths occurring in the year under notice. This disease commenced in the easterly wards of the town and subsequently extended to the whole borough. It gradually became more fatal towards the end of the year, 18 deaths occurring during the last quarter.

Whooping
Cough

Under the head of Other Fevers are included Typhoid (or Enteric), Typhus, Simple and ill-defined forms of Continued Fever. Only 7 deaths are thus accounted for; 1 occurred in each of the following Wards:—Castleton

Fever

North, Castleton West, Spotland East, Wardleworth South, and Wuerdle, and 2 in Spotland West Ward. The death-rate was 0·08 per 1,000 of the population. There were 31 notifications of Enteric Fever during the year, or 6 less than the preceding year. 9 of these cases, or 29 per cent., were removed for treatment to Marland Hospital.

Diarrhœa

27 deaths were due to Diarrhœa and epidemic Enteritis, or 9 more than the preceding year. The death-rate was 0·32 per 1,000, whilst the same rate for England and Wales was 0·50; for the seventy-six great towns 0·71; for the one-hundred-and-three smaller towns 0·43; and for the rural districts 0·31. They formed 1·85 per cent. of the total deaths. This disease is non-notifiable; each house at which a death occurs is visited by the Lady Inspector, and the following enquiries made, viz:—A general inspection of the premises; water and milk supply; place for storing milk; the mode of feeding; if any other illness in the neighbourhood, etc., and instructions given to prevent any further spread of the disease. Chart II. shows at a glance the proportion of deaths among infants and older persons.

Diphtheria

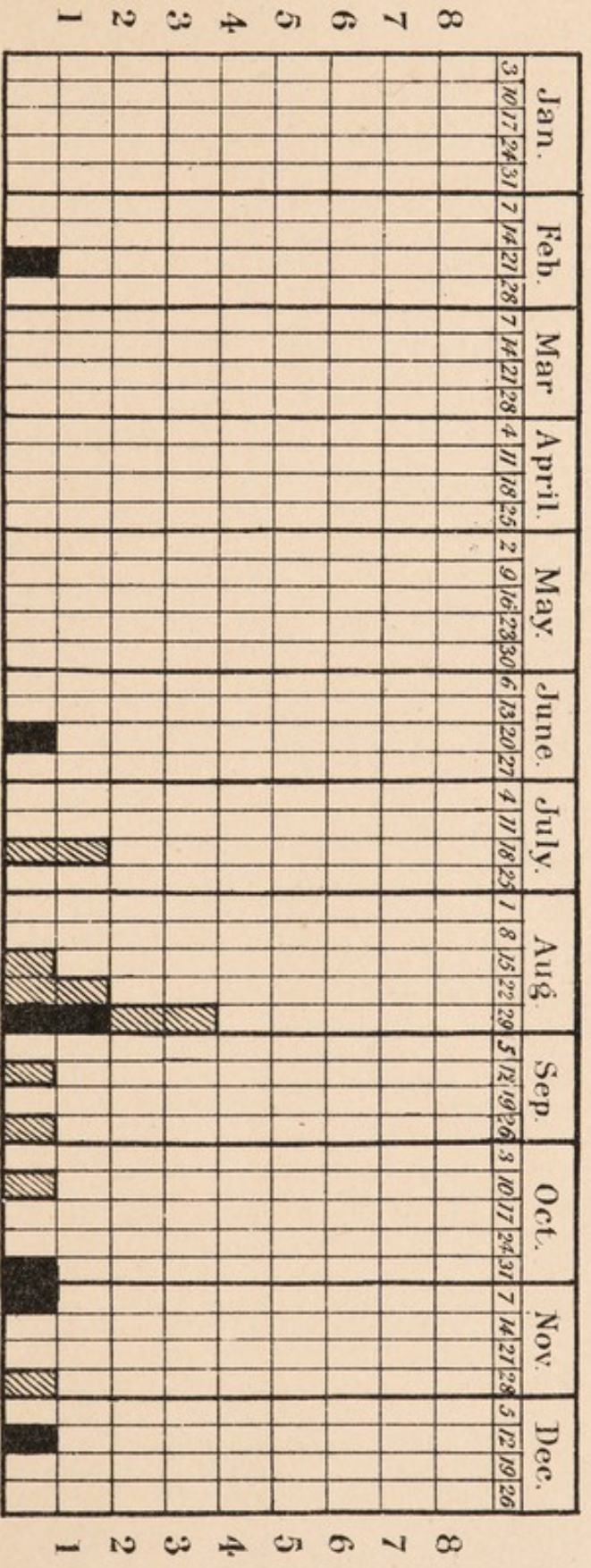
There were notified at the Health Office 69 cases of Diphtheria, of which 21 died, being a case mortality of 30·4 per cent. Last year the case mortality was 25 per cent., the year previous 36 per cent. I have no doubt the great reduction in the case mortality of this disease has been due to the more extensive use of anti-diphtheritic serum, which your Committee provide to all medical men, for use within the Borough, free of charge, on their sending a full report of the case on a prescribed form.

Puerperal Fever



7 cases of Puerperal Fever were notified, of which 3 died. In each case the house was visited to ascertain any possible sanitary defects, and revisited until the termination of the case, when the bedding, room occupied, &c., were disinfected. In cases where a midwife had attended, she was visited, cautioned, and advised as to all necessary pre-

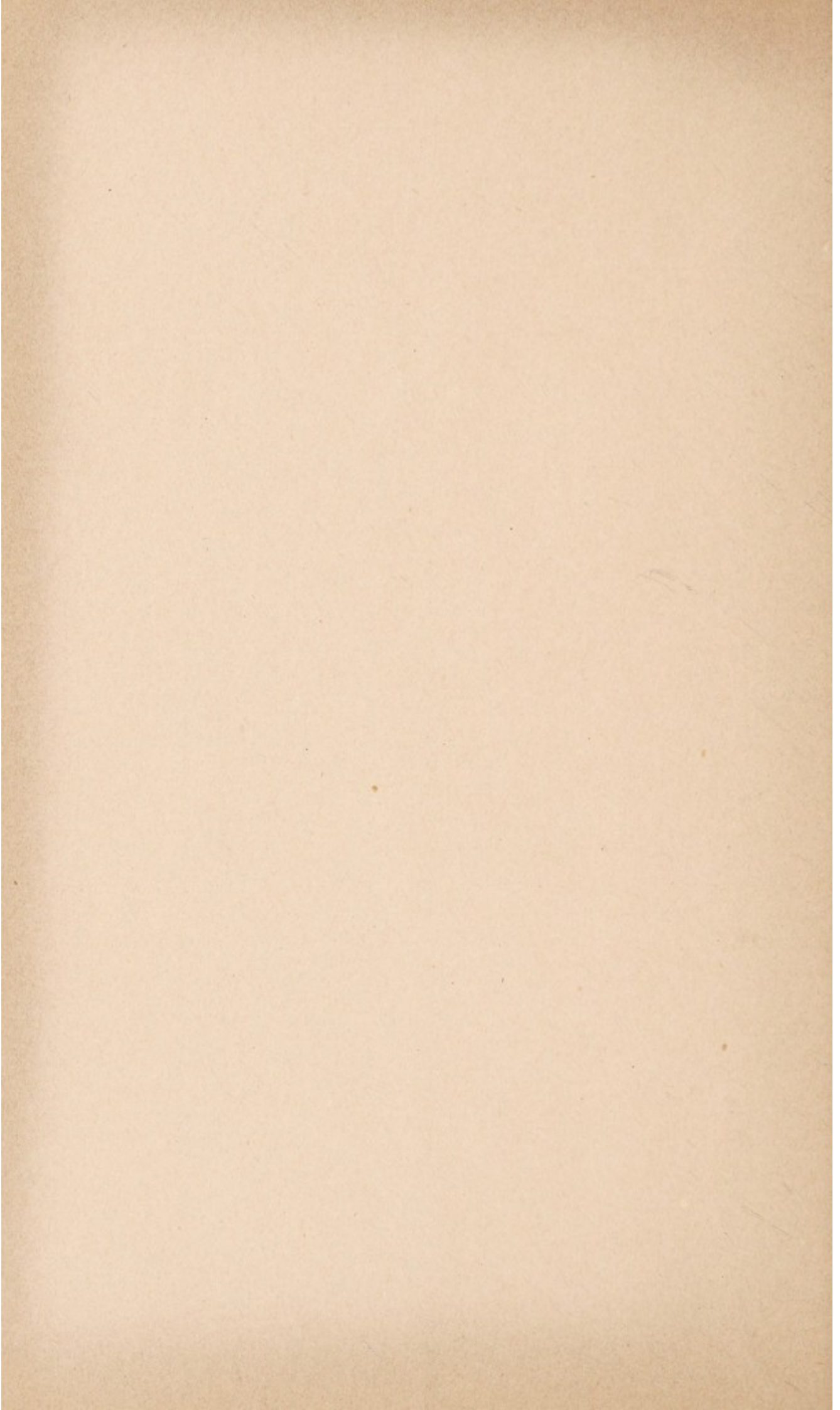
CHART II

1903.



Deaths from Epidemic Diarrhoea.

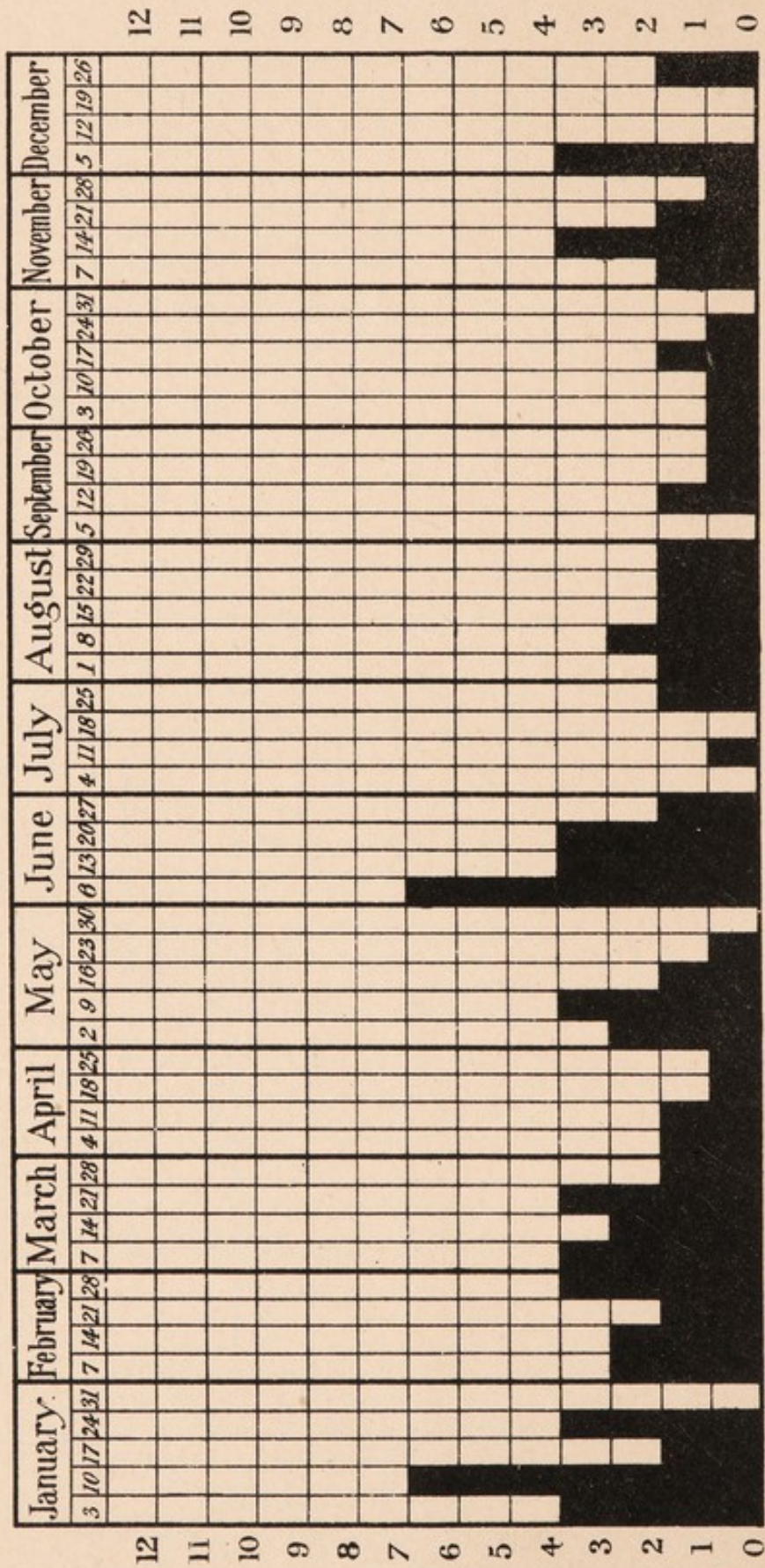
 Under 1 year of age
 Over 1 year of age



23

CHART III

1903.



Weekly Deaths from Phthisis.

23

CHART III^A

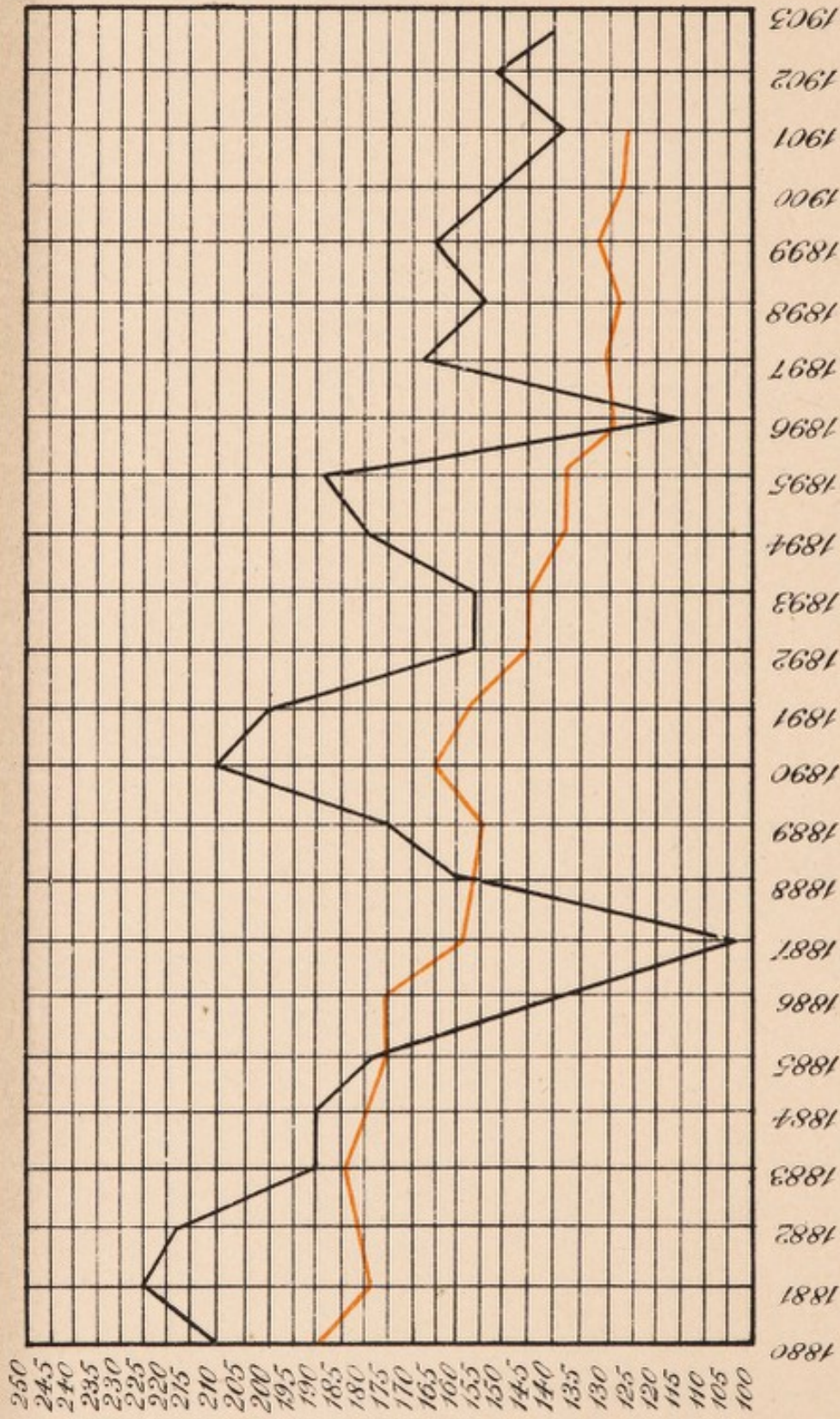


Chart showing death rate per 100,000 living from Phthisis for the last 23 years.

*Black — Death rate per 100,000 in Rochdale.
Red — Death rate per 100,000 in England & Wales.*

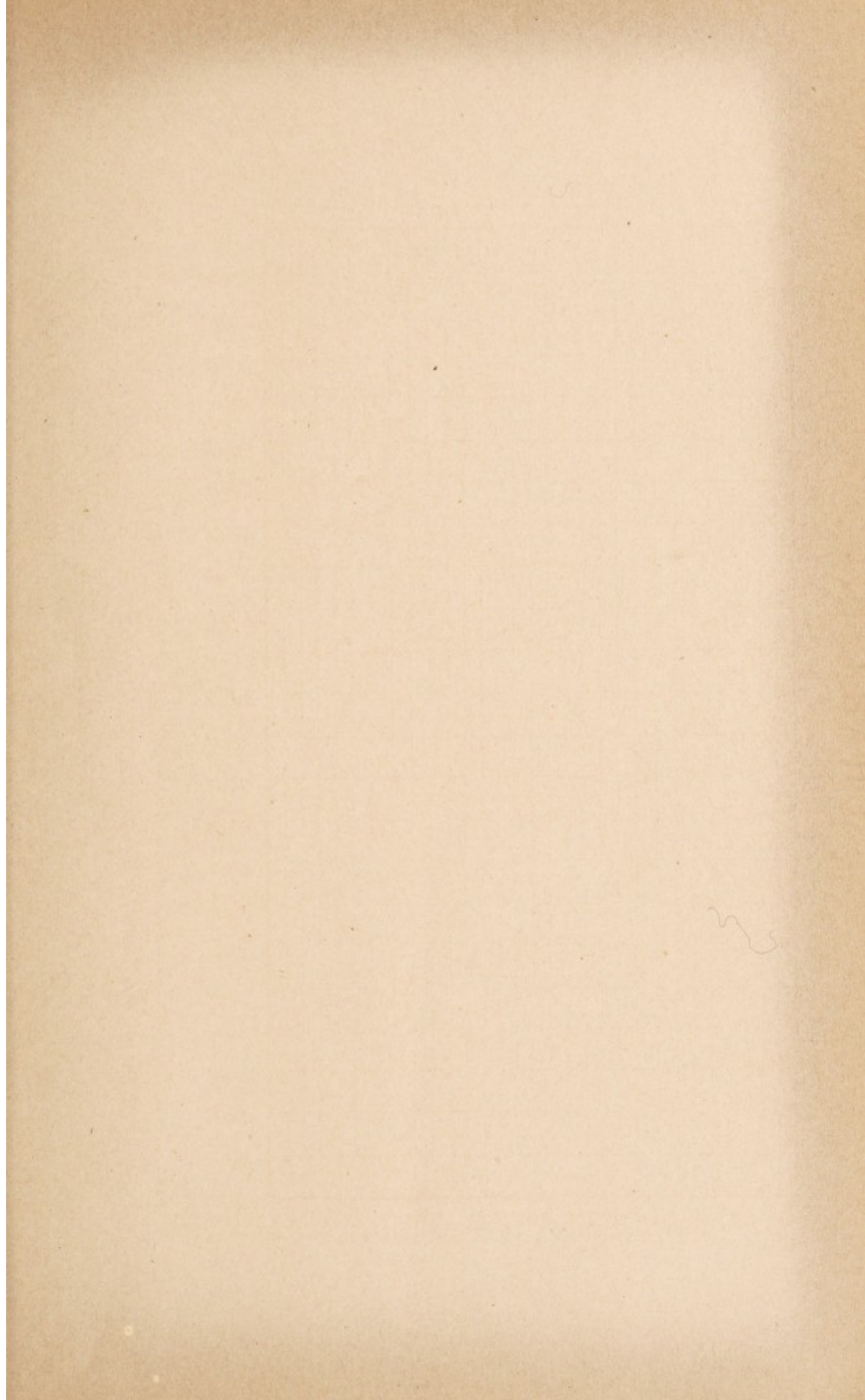
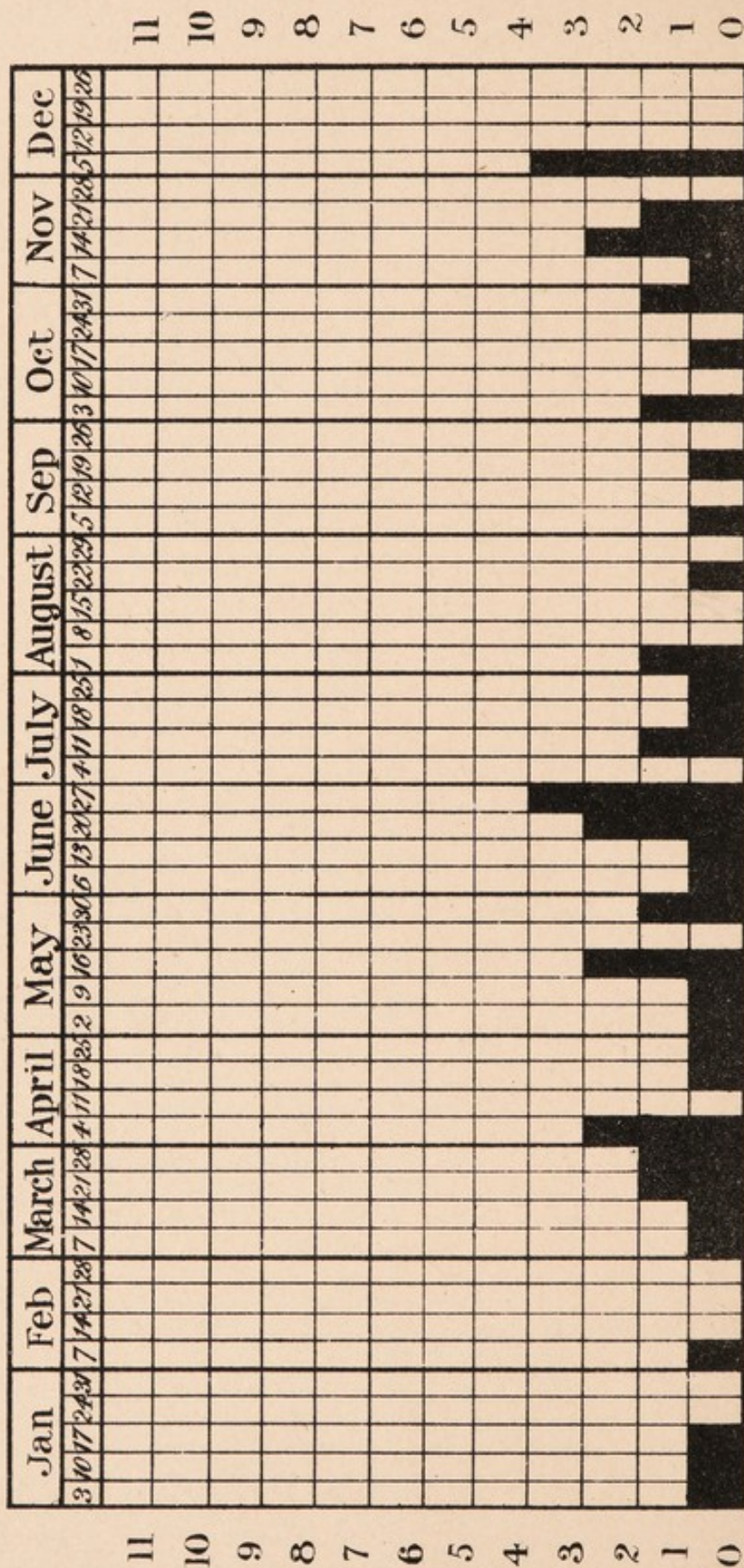


CHART IV.

1903.



Weekly Deaths from Cancer.

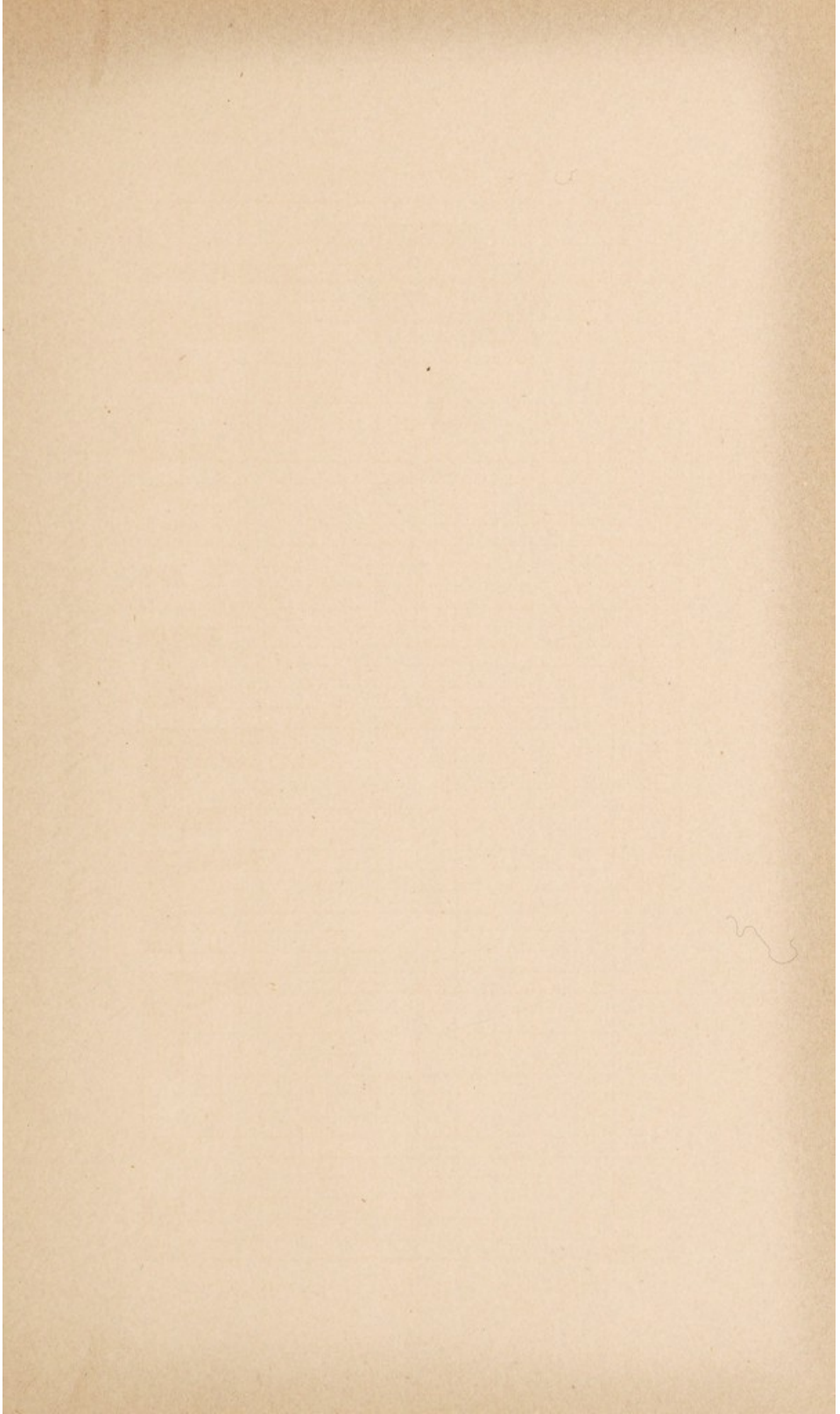


CHART IV^A

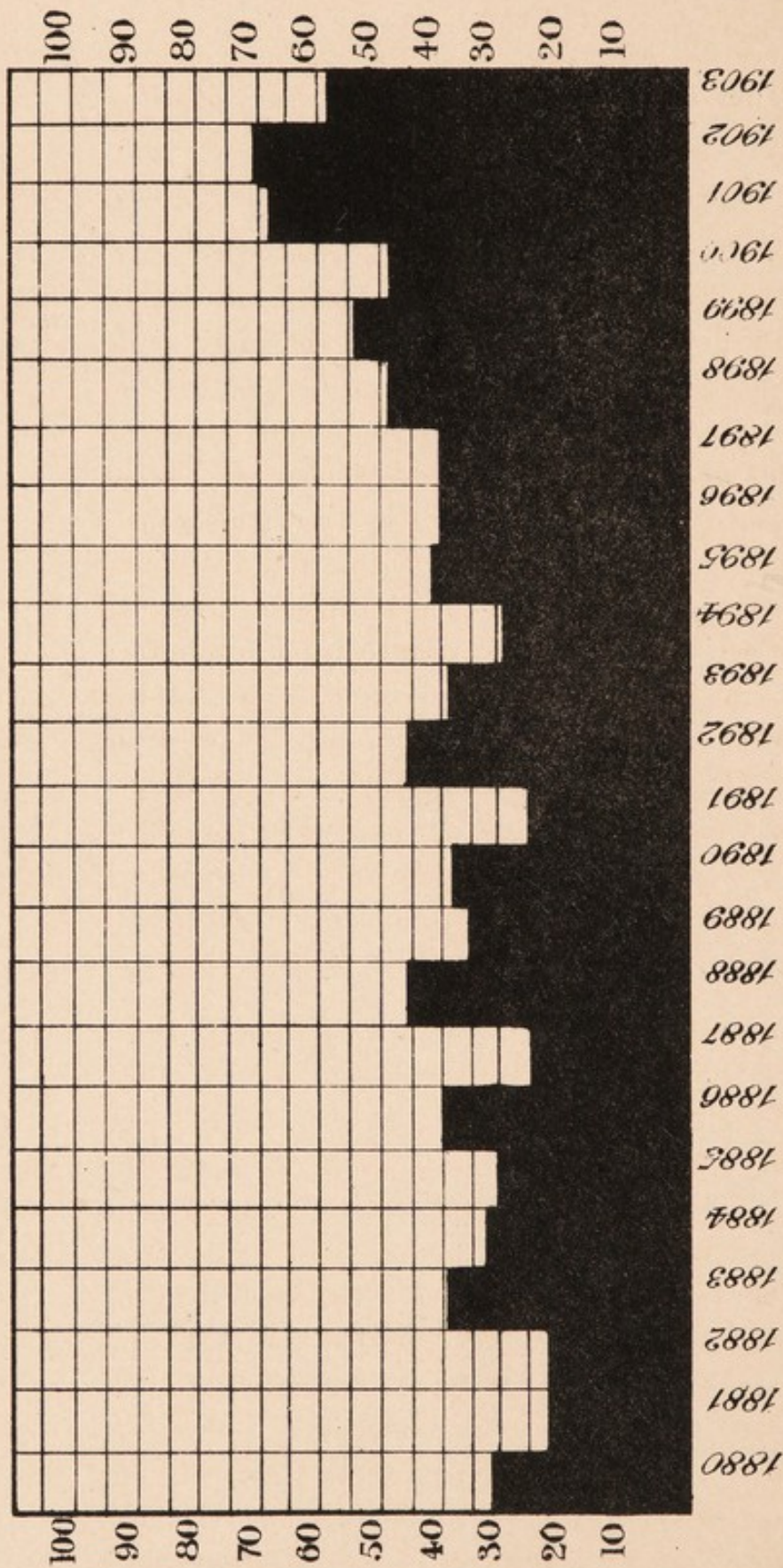


Chart showing Actual Number of Deaths from
Cancer, in Rochdale, for 24 years.

cautions to avoid other cases; her clothes, &c., were also disinfected in every case.

15 deaths were directly due to Influenza, as compared with 44 in the preceding year, and 28 in the year preceding that.

Epidemic
Influenza

69 cases of Erysipelas were notified, 3 of which proved fatal.

Erysipelas

Respiratory Diseases caused 424 deaths, of which 115 were due to Phthisis, and the remainder to the more acute lung affections, equal to an annual death-rate of 5·0 per 1,000. Of the deaths from the more acute lung diseases, 71 were infants under one year of age (see chart at end of book), or 23 per cent. of the total deaths from this cause. 57 were of children between the ages of one and five years, or 18·4 per cent.; and 77 at or above the age of sixty-five years, or 24·9 per cent. The death-rate from respiratory diseases other than Phthisis was 3·64, and from Phthisis 1·35 per 1,000. The highest rate in any Ward from Phthisis, was Wardleworth West Ward, viz:—2·41 per 1,000 of population, and the lowest was Castleton West Ward with 0·94. From the more acute respiratory affections, the highest death-rate was Wuerdle Ward, 5·27 per 1,000, and the lowest Castleton West Ward 2·58.

Respiratory
Diseases

102 houses where death has occurred from Phthisis have been visited, and the tenants urged to have their houses disinfected; in 71 cases they have consented, and in 34 bedding has been disinfected. In 38 cases the bedding, etc., was washed in disinfectants at home. 34 deaths occurred in back-to-back houses, and in 33 cases relatives had already died of Phthisis. 11 cases died in the Workhouse. It is much to be desired that notification of Phthisis should be made compulsory, as the early information before death would be a great assistance in preventing the spread of the disease. By referring to Chart III. A., you will see at a glance the comparison between the Phthisis death-rates in Rochdale, and England and Wales, for the past twenty-three years.

Phthisis

Cancer

During the year there were 54 deaths from Cancer: males 19, females 35, 41 of which were enquired into. 12 were due to Cancer of the Liver; 11 of the Uterus; 12 of the Stomach; 3 of the Throat; 8 of the Breast; 6 of the Bowels, and 3 of the Rectum. In 7 cases, Cancer was said to be the cause of death in a near relative. The origin of the disease in 7 cases was attributed to a fall or blow; in 4 to lifting heavy weights. Enquiries into the sanitary condition of the houses where death occurred show that 12 were back-to-back; 14 insanitary through neglect of the occupier; 6 very old; and one with low rooms. No serious sanitary defects were found. In 9 cases the persons were abstainers, and in 7 they were acknowledged heavy drinkers. The deaths from this disease were distributed all over the Borough. These persons were engaged in various occupations. By referring to Chart IV. (A.) you will see the number of deaths from Cancer in the last 24 years. Chart IV. shows the weekly deaths from Cancer for 1903.

Uncertified
Deaths

There were only 16 deaths uncertified as to their cause either by a registered Medical Practitioner or by the Coroner. These amounted to 1.1 per cent. of the total deaths, while the same rate for England and Wales was 1.7 per cent.

Inquests

There were 89 inquests held by the Coroner during the year, forming 6.1 per cent. of the total deaths. The Registrar-General giving the same rate for England and Wales as 6.9.

Hospital

On January 1st, 1903, there were 17 cases in Marland Hospital, of which 8 were Scarlet Fever and 9 Smallpox. During the year there were admitted 261, or 143 more than the preceding year, of which 102 were Scarlet Fever, 9 Enteric Fever, 143 Smallpox, 5 suspected Smallpox, 1 Diphtheria, and 1 Spinal Meningitis. Of these 36 came from Middleton, 7 from Dearnley Workhouse, and the remainder from within the Borough. 18 deaths occurred during the year: 6 Scarlet Fever, 10 Smallpox, 1 Enteric

Fever, and 1 Spinal Meningitis. On December 31st there remained in the Hospital 25 cases :—1 Smallpox, 2 Enteric Fever, and 22 Scarlet Fever.

During the year the improvements which I suggested in my last report, viz. :— Domestic hot-water supply for the building, and the heating apparatus for the west wing, were carried out, the work being frequently interrupted owing to cases of Smallpox having been admitted. This year I would suggest that the improvements in the east wing, viz., heating apparatus, be completed.

In many instances it has been found necessary to enforce the removal of the old pail closets. I hold it essential, in doing this, that they should be replaced by the clean water system rather than the waste-water closets. The latter, owing to the irregularity of supply of waste-water and the difficulty of fair usage, are constantly out of order, and then cause more nuisance and are more offensive than the old system ; where they are found not to be out of order it is usually because the persons in charge flush them thoroughly with clean water, and thus economy of water is not by any means ensured. I regret the action of the Town Council in recommending the use of the long tube slop-water system, as I feel confident that they will, in a few years, have to replace them by the use of clean water.

Waste-water
Closets

197 inspections have been made of the Offensive Trades. The Slaughterhouses, Cowsheds, &c., were frequently visited, the defects and breaches of regulations noted, and notices served to remedy them. Several of the Cowsheds have had to be entirely reconstructed and redrained, being in many cases in a wretched and insanitary condition.

Offensive
Trades

The amount of meat and other foodstuffs which was seized or surrendered and destroyed on account of its being diseased or in an unsound condition, was as follows :

Diseased
Meat

Number of Carcases.....	5, or 1,440 lbs.
Number of Parts of Carcases	7, or 180 lbs.
Offal	260 lbs.
Sheep's Feet	2,184 lbs.

No prosecutions were instituted for Unsound Meat.

Smoke
Observations

During the year 126 Observations, each of one hour's duration, were made of Smoke issuing from factory and other chimneys, and reported to you. This resulted in nine letters being sent by the Town Clerk to seven firms, and notices being served on two. No prosecutions were instituted.

Factory and
Workshop
Acts

During the year 476 visits were paid to workshops, and 396 to bakehouses. Many defects were found and subsequently remedied.

Food and
Drugs Acts

Under the Food and Drugs Acts, 181 samples of foodstuffs were analysed, or 10 more than the preceding year, and 11 less than the year preceding that, with the result that proceedings were taken in seven cases. A more detailed account of samples taken will be found on referring to Table XVIII. In addition to the above, 6 samples of water have been taken and submitted for analysis, 2 of which were found to be polluted with sewage, &c.

12 samples of food were taken from the Hospital, all of which were found on analysis to be genuine and of good quality.

Inspection of
Schools

During the year all the non-provided schools in the Borough (21 in number), taken over by the Education Committee, were thoroughly inspected as to their sanitary condition, and a tabulated report of each school presented to the Health Committee. This they approved of, and a copy was ordered to be sent to the Education Committee, with a view to them informing the various school managers of the sanitary defects, so that they could have the same remedied.

Underground
Bakehouses

During the year a Sub-committee was appointed to deal with underground bakehouses. They visited each underground bakehouse in the Borough twice, and made a thorough inspection and full enquiries. They subsequently drew up regulations dealing with the existing underground

bakehouses. These related to ventilation, height, light, and other sanitary conditions.

“The Shop Hours Acts, 1892 to 1895;” “The Seats for Shop Assistants Act, 1899;” and “Midwives Act, 1902,” are being dealt with. Due notice of the effect of the Midwives Act was duly published by placing placards on the walls all over the Borough. Your Council appointed a Committee to carry out the provisions of this Act. The Committee consisted of the following persons, namely:—Alderman Hardman (Chairman of the Health Committee), Councillor Sugden (a member of the Health Committee), Dr. Henry (the Medical Officer of Health for the Borough), Miss L. Woodfield (the Lady Sanitary Inspector for the Borough), Mrs. Samuel Turner (of Chaseley), Mrs. Peters (of Broadhalgh), and I hope at an early date to call them together.

The Shop Hours Acts, 1892 to 1895; The Seats for Shop Assistants Act, 1899; and Midwives Act, 1902.

The Sanitary Work of the Borough has been carefully carried out under your instructions. The nuisances dealt with by the Inspectors, and the number of premises visited, will show that a great deal of valuable work has been accomplished.

Sanitary Work

1,252 visits have been paid to houses where cases of Zymotic disease existed, disinfectants and printed instructions as to the measures necessary to check the spread of the infection were distributed. After recovery, death, or removal to Hospital, 703 rooms were thoroughly fumigated and cleansed.

In concluding my Report, I must again thank my staff of officers for their valuable assistance, and you, Gentlemen, for your kindness and courtesy towards me.

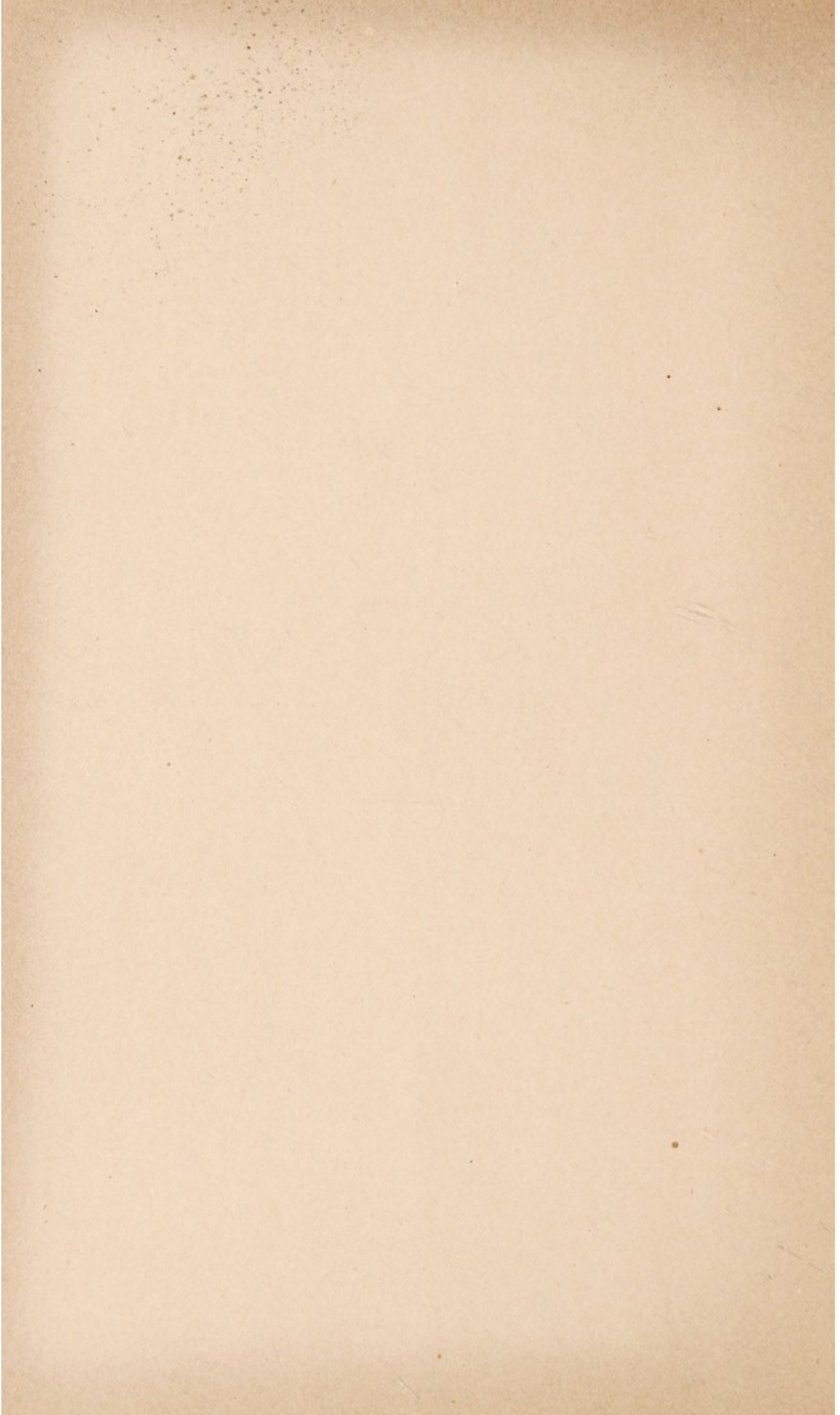
I am, Gentlemen,

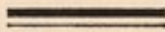
J. HENRY, M.D.,

Medical Officer of Health.

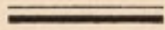
Town Hall, Rochdale,

30th March, 1904.





APPENDIX.



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TABLE I.

DISTRICT.	Popu- lation.	Acre- age.	Density per Acre.	Births.	Deaths.					Rate per 1,000 of Population.					
					Total.	From 7 Prin- cipal Zy- motic Dis- eases.		From Respi- ratory Dis- eases.	From Ph- thisis.	Births.	Deaths.	From 7 Prin- cipal Zy- motic Dis- eases.		From Respi- ratory Dis- eases.	From Ph- thisis.
						197	19					47	11			24.4	17.1	1.38	3.64	1.35
THE BOROUGH	84824	6446	13.16	2071	1455	117	309	115	24.4	17.1	1.38	3.64	1.35		
Castleton East Ward	10606	467	22.71	549	197	19	47	11	26.1	18.6	1.79	4.43	1.04		
" South "	10427	434	24.02		149	11	28	12		14.8	1.05	2.68	1.15		
" North "	4947	265	18.67	460	111	9	20	10	22.8	22.4	1.82	4.04	2.02		
" West "	8515	397	21.45		119	10	22	8		14.0	1.17	2.58	0.94		
" Moor "	7145	2261	3.16		122	13	21	10		17.1	1.82	2.94	1.40		
Spotland East	7232	664	10.89	342	114	13	24	14	22.0	15.8	1.80	3.32	1.93		
" West	8333	741	11.24		118	6	22	10		14.2	0.72	2.64	1.20		
Wardleworth East	6368	368	17.30	559	119	11	25	9	27.1	18.7	1.73	3.92	1.41		
" West	5810	281	20.68		124	10	23	14		21.3	1.72	3.96	2.41		
" South	8425	118	71.40		161	8	40	9		19.1	0.95	4.75	1.07		
Wuerdle and Butterworth	7016	450	15.59	161	121	7	37	8	22.9	17.2	1.00	5.27	1.14		

TABLE II.

Vital Statistics of Whole Borough during 1903 and previous years.

Year.	POPULATION ESTIMATED TO MIDDLE OF EACH YEAR.		BIRTHS.		TOTAL DEATHS REGISTERED IN THE BOROUGH.				Total Deaths in Public Institutions in the Borough.		Deaths of Non-Residents registered in Public Institutions in the Borough.		Deaths of Residents registered in Public Institutions beyond the Borough.		Nett Deaths at all ages belonging to the Borough.	
	Number.	Rate.	Under one year of age.		Number.	Rate per 1,000 births registered.	At all ages.		Number.	Rate.	Number.	Rate.	Number.	Rate.	Number.	Rate.
			Number.	Rate.			Number.	Rate.								
1893	72345	24.8	294	164	1792	1821	18.2	24	4	135	1452	20.1				
1894	72817	23.6	207	121	1716	1056	14.5	30	9	126	1173	16.1				
1895	73289	23.7	304	175	1735	1397	19.1	39	4	161	1554	21.2				
1896	73761	25.2	283	152	1858	1314	17.8	35	4	78	1388	18.8				
1897	74233	25.4	263	139	1884	1147	15.4	16	2	86	1231	16.4				
1898	74705	25.3	251	133	1892	1250	16.7	29	5	118	1363	18.2				
1899	75177	24.4	319	173	1838	1450	19.3	38	8	109	1551	20.6				
1900	75649	23.8	301	167	1799	1405	18.6	37	8	122	1519	20.1				
*1901	83110	22.9	275	144	1903	1403	16.9	37	8	134	1529	18.4				
1902	84057	24.3	260	127	2045	1396	16.6	42	9	118	1505	17.9				
Averages for Years 1893-1902	75914	24.3	276	149	1846	1314	17.3	33	6	119	1426	18.7				
1903	84824	24.4	283	137	2071	1329	15.7	37	10	136	1455	17.1				

* The Borough was extended, in this year, by the addition of Castleton Moor with a population of 6,990.

TABLE III.
Showing Number of Cases notified, and Deaths.

Year.	Smallpox.		Erysipelas.		Diphtheria and Membranous Group.		Scarlet Fever.		Enteric and Continued Fever.		Fuerperal Fever.		Typhus Fever.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
1894.....	14	1	69	1	80	48	797	29	68	9	11	6	...	...
1895.....	7	...	54	5	89	27	846	45	42	9	11	5	1	1
1896.....	2	...	72	4	40	9	371	24	55	7	7	4	...	...
1897.....	...	...	43	...	16	7	97	7	29	6	7	4	...	...
1898.....	...	...	103	2	27	4	84	3	77	16	17	7	6	...
1899.....	...	...	84	2	29	13	211	9	35	9	9	3	...	...
1900.....	2	...	42	2	32	7	114	2	30	3	9	3	...	...
1901.....	1	...	81	5	44	16	195	7	51	8	13	6	...	...
1902.....	24	...	61	...	36	9	91	2	37	4	10	3	...	...
1903.....	114	5	69	3	69	21	304	11	31	7	7	3	...	...

TABLE IV.

Cases of Infectious Disease Notified during the Year 1903.—County Borough of Rochdale.

	Cases Notified in Whole District.						Total Cases Notified in each Ward.									Number of Cases removed to Hospital from each Ward.																																								
	At all Ages.	At Ages—Years.						Castleton North	Castleton South	Castleton East	Castleton West	Castleton Moor	Spotland East	Spotland West	Wardleworth East	Wardleworth South	Wardleworth West	Wardle	Castleton North	Castleton South	Castleton East	Castleton West	Castleton Moor	Spotland East	Spotland West	Wardleworth East	Wardleworth South	Wardleworth West	Wardle																											
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards																							Castleton North	Castleton South	Castleton East	Castleton West	Castleton Moor	Spotland East	Spotland West	Wardleworth East	Wardleworth South	Wardleworth West	Wardle	Castleton North	Castleton South	Castleton East	Castleton West	Castleton Moor	Spotland East	Spotland West	Wardleworth East	Wardleworth South	Wardleworth West	Wardle					
Smallpox	114	5	26	16	65	2	16	6	12	14	25	2	13	11	8	5	2	16	5	11	14	24	2	13	11	8	5	2	16	5	11	14	24	2	13	11	8	5	2																	
Diphtheria & Membranous Croup ...	69	1	35	28	2	3	2	5	5	2	15	5	11	9	6	5	4	2	5	2	15	2	5	5	11	9	6	5	4	2	5	2	15	2	5	5	11	9	6	5	4															
Erysipelas	69	1	1	3	11	48	5	6	10	4	7	2	5	9	6	7	4	6	10	4	7	2	5	9	6	7	4	6	10	4	7	2	5	9	6	7	4	6	10	4	7	2	5	9	6	7	4									
Scarlet Fever	304	6	84	189	13	12	2	43	43	58	25	41	26	2	33	15	16	2	43	43	58	25	41	26	2	33	15	16	1	12	16	23	7	11	6	1	12	16	23	7	11	6	1	12	16	23	7	11	6	1	12	16	23	7	11	6
Enteric Fever	31	...	1	10	7	12	1	2	4	4	1	1	3	2	5	2	6	1	2	4	4	1	1	1	3	2	5	2	6	1	...	2	...	1	...	1	...	2	...	1	...	1	...	2	...	1	...	1	...	2	...	1	...			
Puerperal Fever	7	1	6	1	1	2	1	...	1	1	1	1	1	2	1	...	1	1	1				
Totals	594	8	126	256	50	146	8	29	70	69	82	69	55	63	30	59	32	29	70	69	82	69	55	63	30	59	36	32	18	17	29	37	32	14	20	13	17	12	8	18	17	29	37	32	14	20	13	17	12	8						

TABLE V.

YEAR.	CASTLETON No. 1.				CASTLETON No. 2.				SPOTLAND.				WARDLEWORTH.				WUERDLE AND BUTTERWORTH.			
	Population, middle of the year.	Births Registered.	Deaths at all ages.	Deaths under One Year.	Population, middle of the year.	Births Registered.	Deaths at all ages.	Deaths under One Year.	Population, middle of the year.	Births Registered.	Deaths at all ages.	Deaths under One Year.	Population, middle of the year.	Births Registered.	Deaths at all ages.	Deaths under One Year.	Population, middle of the year.	Births Registered.	Deaths at all ages.	Deaths under One Year.
1901	20506	484	382	76	20192	450	334	62	15230	306	268	39	20271	504	404	76	6911	159	141	22
1902	20733	513	398	76	20447	498	333	50	15405	318	275	34	20486	558	378	79	6986	158	117	21
1903	21033	549	346	73	20607	460	352	68	15565	342	232	42	20603	559	404	88	7016	161	121	14

TABLE VI.

Deaths from Seven Principal Zymotic Diseases for 1903 and the Twenty-eight previous Years.

	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	Death-rate per 1,000 living.	
Smallpox	25	1	0	0	0	0	51	40	0	0	0	0	3	1	0	0	0	0	5	1	0	0	0	0	0	0	0	0	0	0	0.06
Measles	8	107	13	67	24	43	3	42	8	35	1	39	8	26	20	6	16	3	76	4	35	43	68	13	24	34	5	71	4	0.05	
Scarlet Fever.....	111	45	28	107	65	42	29	31	20	15	9	18	8	19	2	18	8	2	11	29	45	24	7	3	9	2	7	2	11	0.13	
Whooping Cough..	33	24	39	16	7	33	36	22	11	28	19	44	12	15	38	17	27	24	49	10	19	52	18	2	19	34	20	13	42	0.49	
Fever	47	50	40	43	31	39	14	28	16	25	12	11	16	10	7	13	9	9	31	15	15	7	6	16	9	3	8	5	7	0.08	
Diarrhoea	68	51	29	51	25	56	20	17	26	27	15	12	25	27	25	10	14	8	29	19	25	18	27	34	35	26	48	18	27	0.32	
Diphtheria.....	6	8	5	8	5	8	2	4	3	3	0	4	3	6	3	4	1	5	17	48	27	9	7	4	13	7	16	9	21	0.25	
Totals	298	286	154	292	177	221	155	184	84	133	56	128	75	104	95	68	75	51	218	126	166	153	133	72	109	106	104	118	117	1.38	

TABLE VII.

Table showing the Annual Birth Rate, Rate of Mortality among Children under 1 year, under 5 years, and in persons over 60 years, for the present and 30 previous years.

Year.	Birth-Rate per 1,000 of Population.	Deaths in Children under 1 year to percentage of Total Deaths.	Deaths in Children under 1 year to 1,000 Births.	Deaths in Children under 5 years to percentage of Total Deaths.	Deaths in persons over 60 years to percentage of Total Deaths.
1903	24.4	19	138	29	23 at or over 65 yrs
1902	24.3	17	127	27	22 at or over 65 yrs
1901	22.9	18	144	20	20 at or over 65 yrs
1900	23.8	20	167	30	29
1899	24.4	21	173	31	29
1898	25.3	18	133	27	32
1897	25.4	21	139	35	26
1896	25.2	20	152	35	25
1895	23.7	19	175	33	27
1894	23.6	18	121	31	27
1893	24.8	20	164	35	26
1892	24.6	20	146	31	26
1891	25.7	18	151	31	27
1890	24.2	19	150	31	25
1889	25.3	20	145	33	25
1888	25.7	23	165	38	22
1887	25.9	18	132	32	27
1886	27.8	23	162	41	22
1885	27.6	19	121	31	27
1884	27.1	23	175	40	21
1883	28.0	20	141	34	20
1882	29.4	21	140	37	20
1881	30.2	21	138	36	21
1880	29.9	23	163	46	18
1879	33.2	23	148	43	19
1878	35.6	25	176	47	15
1877	35.9	23	137	40	19
1876	36.0	26	166	46	16
1875	...	22	...	40	19
1874	...	25	...	46	17
1873	...	25	...	40	21
...

TABLE VIII.

Year.	Total.			Rate per 1,000 of Population.		
	Births.	Deaths.	From 7 principal Zymotic Diseases.	Births.	Deaths.	Seven Zymotics.
1903	2,071	1,455	117	24·4	17·1	1·38
1902	2,045	1,505	118	24·3	17·9	1·40
1901	1,903	1,529	104	22·9	18·4	1·25
1900	1,799	1,519	106	23·8	20·1	1·40
1899	1,838	1,551	104	24·4	20·6	1·38
1898	1,892	1,363	79	25·3	18·2	1·06
1897	1,884	1,231	133	25·4	16·4	1·80
1896	1,858	1,388	153	25·2	18·8	2·07
1895	1,735	1,554	166	23·7	21·2	2·26
1894	1,716	1,173	126	23·6	16·1	1·73
1893	1,792	1,452	218	24·8	20·1	3·01
1892	1,768	1,307	51	24·6	18·18	0·71
1891	1,833	1,527	75	25·7	21·4	1·05
1890	1,719	1,378	68	24·2	19·35	0·95
1889	1,794	1,289	95	25·3	18·2	1·34
1888	1,816	1,319	104	25·7	18·6	1·46
1887	1,819	1,329	75	25·9	18·9	1·07
1886	1,951	1,380	128	27·8	19·7	1·82
1885	1,924	1,194	56	27·6	17·1	0·80
1884	1,887	1,405	133	27·1	20·2	1·92
1883	1,938	1,342	84	28·0	19·4	1·21
1882	2,036	1,393	184	29·4	20·2	2·66
1881	2,079	1,371	155	30·2	19·9	2·20
1880	2,055	1,437	221	29·9	21·0	3·22
1879	2,261	1,445	177	33·2	21·2	2·59
1878	2,426	1,721	292	35·6	25·3	4·28
1877	2,426	1,426	154	35·9	21·0	2·27
1876	2,432	1,527	253	36·0	22·6	3·74
1875	...	1,619	283	...	24·0	4·20
1874	...	1,587	253	...	23·6	3·76
1873	...	1,365	118	...	20·2	1·77
1872	...	972	87	...	14·6	1·32
...
...

In the year 1872 the Borough was extended by the addition of about 20,000 inhabitants, and in November, 1900, by about 7,000 inhabitants.

TABLE IX.

Notifications of Infectious Diseases during 1903.

MONTH.	TOTALS.	Small Pox.	Scarlet Fever.	Enteric Fever.	Puerperal Fever.	Diphtheria.	Erysipelas.
January	38	2	13	2	2	11	8
February	38	8	15	5	1	2	7
March	51	16	21	4	...	8	2
April	89	29	47	1	...	7	5
May	85	41	21	4	...	13	6
June	61	10	39	...	1	1	10
July	52	3	38	2	1	4	4
August	43	4	21	6	...	6	6
September	31	1	21	4	...	1	4
October	26	...	17	...	...	1	8
November	30	...	16	...	1	9	4
December	50	...	35	3	1	6	5
TOTALS	594	114	304	31	7	69	69

TABLE XI.

A TABULATED SUMMARY OF METEOROLOGICAL NOTES FOR THE YEAR 1903.

Barometer reduced to 32° and Sea Level.				TEMPERATURE.										RAINFALL.				Direction of Wind and No. of Days.												
MONTHS.	MEAN	HIGHEST.		LOWEST.		RANGE.	MEAN.	HIGHEST.		LOWEST.		Mean of Max. of Thermometer.	Mean of Min. of Thermometer.	Lowest on Grass.		TOTAL.	Greatest Fall.		No. of Days on which Rain fell.	Mean degree of humidity, saturation being 100.	N	NE	E	SE	S	SW	W	NW	Calm.	
		In In.	Date	In In.	Date			OF	Date	OF	Date			In In.	Date.		In.	Date.												OF	Date.	In.	Date.
Jan.	29.830	30.596	14	28.937	7	1.659	38.3	52.2	25	23.5	15, 16	43.4	33.8	19.0	15	4.002	.740	5	20	90.0	2	5	3	...	12	6	...	3		
Feb.	29.932	30.456	17	29.053	27	1.403	42.8	54.0	8, 9, 10	27.2	2	48.0	38.2	20.0	2	4.267	.907	21	20	90.0	1	...	1	...	1	12	11	1	1	
March ...	29.645	30.178	8	28.968	2	1.210	42.9	61.0	25	31.5	11	49.1	37.2	28.0	11	5.015	.732	2	29	88.3	...	...	...	1	6	18	2	4	...
April	29.820	30.346	13	29.211	29	1.135	42.3	57.0	25	27.0	17	49.0	35.4	24.0	17	2.156	.522	14	14	78.7	3	4	2	1	...	6	8	5	1	1
May ^{23,}	29.799	30.363	24	29.162	4	1.201	50.7	78.5	31	36.5	13, 19	57.9	42.9	29.5	12	3.888	.750	5	16	78.6	...	12	1	...	1	13	...	3	1	
June ^{23,}	30.048	30.385	4	29.611	16	0.774	55.0	72.0	27	34.5	21	62.7	46.5	30.2	21	1.695	.490	26	8	75.9	...	17	...	1	3	5	1	3	...	
July ^{23,}	29.838	30.265	10	29.442	17	0.823	53.8	79.0	10	43.0	7, 8	66.4	51.0	38.2	7	4.566	1.170	21	17	77.3	...	2	1	1	4	14	5	4	...	
Aug. ^{23,}	29.709	30.083	7	28.861	15	1.222	56.5	69.0	7, 9, 13, 14	42.0	22	63.1	49.7	40.0	22	6.635	1.350	14	24	83.5	...	3	1	1	3	9	8	6	...	
Sep. ^{23,}	29.699	30.474	15	29.374	11	1.100	54.9	70.0	1, 23	36.5	17	60.9	48.3	33.0	16	5.428	1.420	8	18	81.9	...	4	2	1	5	12	...	5	1	
Oct. ^{23,}	29.498	29.975	18	28.876	12	1.069	49.3	61.0	1, 6	34.0	10	54.6	44.2	29.0	10	9.289	1.240	14	30	88.1	...	1	...	3	4	16	3	2	2	
Nov. ^{23,}	29.854	30.580	5	29.044	28	1.536	42.4	55.0	1	27.0	30	48.3	36.8	24.0	30	4.117	.740	2	22	93.6	2	2	...	1	1	9	5	3	7	
Dec. ^{23,}	29.670	30.167	28	28.921	10	1.246	37.3	49.2	22	20.0	30	41.0	33.8	20.5	2	2.595	.840	3	16	90.8	1	9	3	2	...	9	...	1	6	
Whole yr.	29.876	30.596	Jan 14	28.861	Aug 15	1.735	47.6	79.0	July 10	20.0	Dec 30	53.7	41.5	19.0	Jan. 15	53.653	1.420	Sep. 8	234	84.7	9	59	14	12	28	135	49	37	22	

These Observations are taken daily at 9 a.m.

Position of Barometer, 472 feet above mean Sea level.

TABLE XII.

Cases of Infectious Diseases Visited, and Number of Visits paid to Infected Houses during 1903.

DISEASES.	WARDS.											TOTALS.
	Castleton North	Castleton South	Castleton East	Castleton West	Castleton Moor	Spotland East	Spotland West	Wardleworth East	Wardleworth West	Wardleworth South	Wardle	
Smallpox	16	6	12	14	25	2	13	11	5	8	2	114
Scarlet Fever	2	43	43	58	25	41	26	2	15	33	16	304
Other Fevers (Puerperal, Enteric, &c.).....	3	6	5	1	2	2	4	2	2	5	6	38
Erysipelas	6	10	4	7	2	5	9	6	9	7	4	69
Diphtheria	2	5	5	2	15	5	11	9	5	6	4	69
Rooms Disinfected	72	58	77	104	91	58	81	35	65	32	30	703
Visits to Houses where Infectious Diseases existed.....	48	139	162	172	128	138	121	49	137	88	70	1252

TABLE XIII.

ENTERIC FEVER.—Showing Admissions to Hospital, Deaths and Percentage of Deaths for the year 1903.

AGES.	MALES.		FEMALES.		TOTAL.		
	Admissions.	Deaths.	Admissions.	Deaths.	Admissions.	Deaths.	Death-rate per cent.
Under 5 ...	...	...	...	...	...	...	...
5—15 .....	...	...	...	...	...	...	...
15—25 ...	3	...	2	...	5	1	20
25—35 ...	1	...	2	...	3	...	...
35—45 ...	...	...	...	...	...	...	...
Over 45 ...	1	1	...	...	1	1	100
TOTAL ...	5	1	4	...	9	*2	22.2

* One case, age 18 years, died of Spinal Meningitis.

TABLE XIV.

SCARLET FEVER.—Showing Admissions to Hospital, Deaths, and Percentage of Deaths, for the Year 1903.

AGES.	MALES.		FEMALES.		TOTAL.		
	Admissions.	Deaths.	Admissions.	Deaths.	Admissions.	Deaths.	Death-rate per cent.
Under 5 ...	11	...	16	...	27	...	...
5—15	35	4	33	2	68	6	5.9
15—25 ...	1	...	...	...	1	...	...
25—35 ...	2	...	4	...	6	...	...
35—45 ...	...	...	...	...	...	...	...
Over 45 ...	...	...	...	...	...	...	...
TOTAL ...	49	4	53	2	102	6	5.9

TABLE XV.
SMALLPOX.—Showing Admissions to Hospital, from Rochdale, Middleton, and Dearnley Workhouse ;
also Deaths, Percentage of Deaths, and Particulars of Vaccination for Year 1903.

AGES.	If presenting a Vaccination Cicatrix or Cicatrices.		If presenting no Vaccination Cicatrix.		If presenting no Vaccination Cicatrix, but showing marks of Vaccination performed subsequently to the case having been infected by Smallpox.		If stated to have been unsuccessfully re-vaccinated.		TOTAL.		
	No. Admitted.	No. Died.	No. Admitted.	No. Died.	No. Admitted.	No. Died.	No. Admitted.	No. Died.	No. Admitted.	No. Died.	Death Rate Per cent.
Under 5 .....	...	...	8	...	1	1	...	...	9	1	11.1
5—15	2	...	25	...	1	...	...	...	28	...	...
15—25	18	...	3	1	...	...	...	...	21	1	4.8
25—35	27	...	6	...	...	...	2	...	35	...	...
35—45	19	2	6	...	...	...	...	...	25	2	8.0
Over 45	23	5	2	1	...	...	...	...	25	6	24.0
Total	89	7	50	2	2	1	2	...	143	10	7.0

TABLE XVa.
SMALLPOX.—Showing Admissions to Hospital from Rochdale only; also Deaths, Percentage of Deaths, and Particulars of Vaccination for Year 1903.

AGES.	If presenting a Vaccination Cicatrix or Cicatrices.		If presenting no Vaccination Cicatrix.		If presenting no Vaccination Cicatrix, but showing marks of Vaccination performed subsequently to the case having been infected by Smallpox.		If stated to have been unsuccessfully re-vaccinated.		TOTAL.		
	No. Admitted.	No. Died.	No. Admitted.	No. Died.	No. Admitted.	No. Died.	No. Admitted.	No. Died.	N. Admitted.	No. Died.	Death Rate Per cent.
Under 5 yrs.	...	...	6	...	...	...	...	...	6	...	...
5—15	2	...	22	...	...	...	...	...	24	...	...
15—25.....	14	...	2	1	...	...	...	...	16	1	6·2
25—35.....	22	...	6	...	...	...	1	...	29	...	...
35—45.....	17	2	5	...	...	...	...	...	22	2	9·1
Over 45	15	2	1	1	...	...	...	...	16	3	18·7
Total	70	4	42	2	...	...	1	1	113	6	5·3

TABLE XVI.

Admissions to Hospital during each month of 1903.

1903. MONTH.	Scarlet Fever.			Enteric Fever.			Small Pox.			Suspected Small Pox.			Other Diseases.			Total Admissions.		
	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.
January ...	5	5	10	...	1	1	5	1	6	...	...	...	...	...	...	10	7	17
February ...	4	3	7	2	...	2	6	3	9	...	...	1	...	...	1	14	6	20
March ...	3	1	4	...	1	1	18	8	26	...	...	1	...	...	...	22	10	32
April ...	3	5	8	...	1	1	21	15	36	...	...	...	1	...	1	24	22	46
May ...	...	...	...	...	...	...	26	17	43	...	...	2	...	...	...	28	17	45
June ...	...	...	...	...	...	...	6	7	13	...	...	...	...	...	...	6	7	13
July ...	6	7	13	...	...	...	...	3	3	...	...	...	...	...	...	6	10	16
August ...	4	4	8	...	...	...	3	1	4	...	...	...	...	...	...	7	5	12
September ...	5	9	14	2	...	2	...	1	1	...	...	...	...	...	...	7	10	17
October ...	4	4	8	1	...	1	...	...	...	...	1	...	...	...	...	6	4	10
November ...	6	4	10	...	...	...	...	1	1	...	...	...	...	...	...	6	5	11
December ...	9	11	20	...	1	1	1	...	1	...	...	...	...	...	...	10	12	22
Total for Year	49	53	102	5	4	9	87	56	143	5	...	5	1	1	1	146	115	261

TABLE XVII.

Number of Samples taken by the Inspector, under the Food and Drugs Acts, and results of analysis.

Description.	No. Purchased.	Result.		Action taken.
		Genuine.	Adulterated.	
New Milk	93	86	7	Three Vendors prosecuted, fines imposed as follows: Two fined 21/- and costs each, one 40/- and costs. Four Vendors were cautioned by a letter from Town Clerk.
Skimmed Milk	4	3	1	Vendor prosecuted but case dismissed.
Butter	12	12	...	
Irish Whiskey	8	7	1	Vendor prosecuted and fined 10/6 and costs.
Scotch Whiskey	6	6	...	
Gin	1	1	...	
Beer	1	1	...	
Pepper	8	8	...	
Coffee	5	5	...	
Lard	9	8	1	Letter from Town Clerk.
Ground Ginger	3	3	...	
Cheese	3	3	...	
Demerara Sugar	1	1	...	
Baking Powder	1	1	...	
Vinegar	1	1	...	
Soda Water	14	13	1	
Potass Water	1	1	...	
Sweet Nitre	4	3	1	Vendor prosecuted but case dismissed.
Cascara Sagrada	2	2	...	
Camphorated Oil	4	3	1	Vendor prosecuted and fined 5/- and costs.
Water	6	4	2 Polluted	Corporation water put in in one case, in the other the owner was interviewed.
Total	181	168	13	Aggregate of Fines— £4 17s. 6d. and costs.

REMOVAL OF NUISANCES DURING 1903.

Drains requiring Re-construction	190
" " connecting with main sewer	14
" not efficiently trapped	63
" requiring Ventilating Shafts	60
Old Drains abolished... ..	1
Defective Sink Pipes... ..	125
" Yard Drains	28
" Cellar Drains	12
" Eaves and Downspouts	66
" Soil Pipes	5
" Roofing	15
" Urinals	15
" Baths	1
" Water Closets	6
" Waste-water Closets	9
Passages drained	2
Common Yards paved	15
Passages paved	4
Waste Pipes requiring disconnecting	51
Fall " " " 	4
Eaves and Downspouts required	7
Nuisances from want of Drains	17
" " Flooded Cellars	31
" " Cesspools	2
" " Street Gullies	1
" " Blocked-up Drains and Traps	114
" " Stagnant Water	14
" " Defective Surface of Yards, etc.	104
" " " " Passages	1
" " Filthy Yards	24
" " " Cellar areas	6
" " Poultry, Pigeons, and Animals	12

REMOVAL OF NUISANCES.—*Continued.*

Nuisances from Pig keeping...	...	...	...	...	2
" " Public House Urinals, Drains, &c.	...	...	...	...	36
" " want of Urinals	...	...	...	...	4
Offensive accumulations	...	...	...	...	50
Urine Guards required	...	...	..	...	23
Closets requiring Lime-washing and Cleansing	...	...	...	...	121
Alterations to Factory Closets (separation of sex, etc.)	...	...	...	...	16
" of " " to water-carriage system	...	...	...	...	12
Manure Pits reconstructed	...	...	...	...	17
Dilapidated Ashpits and Closets	...	...	...	...	103
Ashpits and Closets requiring proper doors and coverings	...	...	...	...	82
Insufficient Closet Accommodation	...	...	...	...	23
" Ashplace "	...	...	...	...	6
Houses Overcrowded...	...	...	...	...	33
" requiring Cleansing	...	...	...	...	39
" " Ventilation	...	...	...	...	1
" " Repairs	...	...	...	...	12
" Damp...	...	...	...	...	69
Slaughter-houses requiring Lime-washing or Cleansing	...	...	...	...	21
Bakehouses	"	"	"	...	138
Workshops	"	"	"	...	66
Shippons	"	"	"	...	8
Workshops requiring Ventilation	...	...	...	...	16
" Overcrowded	...	...	...	...	1
Pigs kept in Shippon...	...	...	...	...	1
Cattle in dirty state ..	...	...	...	...	1
Food stored in insanitary place	...	...	...	...	1
Shippons built	...	...	...	...	1
" reconstructed	...	...	...	...	3

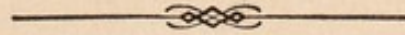
SUMMARY OF VISITS AND INSPECTIONS, ETC.

Number of	Rooms Disinfected	703
„	Articles of Bedding Disinfected	7,134
„	Applications for Lime and Brushes	1,689
„	Complaints received...	221
„	Dwellinghouses in House-to-House Visitation	693
„	Drains Tested and Flushed	63
„	Schools Fumigated (69 rooms)	7
„	School Books Disinfected	300
„	Inspections of Cowsheds...	219
„	„ Workshops	476
„	„ Schools	24
„	„ Slaughter-houses	1,311
„	„ Canal Boats	38
„	„ Bakehouses	396
„	„ Markets	... regularly
„	„ Caravans	59
„	„ Infected Houses	594
„	Visits where cases are isolated at home	1,252
„	Owners seen personally <i>re</i> Nuisances*	370
„	Occupiers seen personally <i>re</i> Nuisances	623
„	Letters written	423
„	Preliminary Notices sent out for Abatement of Nuisances	635
„	Legal Notices served	145

SUMMARY OF VISITS AND INSPECTIONS—Continued.

Number of Smoke Observations taken	...	...	...	...	126
„ Food and Drugs samples purchased	...	...	...	...	181
„ Food and Drugs Adulterated	...	...	...	...	13
„ Carcases seized, surrendered, or destroyed	...	...	...	...	5
„ Parts of Carcases seized, surrendered, or destroyed	...	...	...	...	7
Offal	...	...	...	...	260lbs.
Putrid Sheep's Feet surrendered and destroyed	...	...	...	...	19½cwt.
Summonses taken out under Food and Drugs Act	...	...	...	...	7
Number of Miscellaneous Inspections (Common Yards, Courts, Passages, etc.)	...	...	...	...	4,421
„ Visits to Work in Progress	...	...	...	...	391
„ Visits to ascertain if Work in Progress	...	...	...	...	1,491
„ Visits <i>re</i> Complaints received	...	...	...	...	238
„ Visits to Ice Cream Shops	...	...	...	...	59
„ Visits to Chip Potato and Fish Shops	...	...	...	...	63
„ Visits to Schools <i>re</i> Smallpox	...	...	...	...	6
„ Visits <i>re</i> Smallpox Contacts, etc.	...	...	...	...	1,734
„ Evening Visits to Lodging Houses <i>re</i> Smallpox	...	...	...	...	3,321

LADY INSPECTOR'S REPORT.



Total Number of Visits paid	3,348
Number of House-to-House Inspections	559
Number of Houses visited where Infants under 1 year of age have died	259
Number of Deaths from Cancer enquired into...	41
Number of Deaths from Phthisis enquired into	102
Number of Deaths from Diarrhœa enquired into (excluding those of Infants under 1 year)	7
Number of Houses visited where cases of Puerperal Fever have occurred	7
Number of Visits <i>re</i> Smallpox (giving advice <i>re</i> vaccination, etc.)	1,243
Number of Visits for purposes of Advice, and of ascertaining the carrying-out of suggestions...	1,430
Total Number of Nuisances reported...	179
Dirty Houses...	76
Damp Houses...	46
Overcrowded Houses	24
Other Nuisances	33

