

**[Report 1915] / Medical Officer of Health, Oldham County Borough.**

**Contributors**

Oldham (England). County Borough Council. nb2004302054

**Publication/Creation**

1915

**Persistent URL**

<https://wellcomecollection.org/works/jc2b7rpm>

**License and attribution**

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

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

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



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



COUNTY BOROUGH OF OLDHAM.

---

REPORT  
ON THE  
HEALTH OF OLDHAM  
FOR THE YEAR 1915.

BY

JAMES B. WILKINSON,  
M.D., C.M., D.P.H., F.C.S.

MEDICAL OFFICER OF HEALTH :

MEDICAL OFFICER TO THE EDUCATION COMMITTEE :

MEDICAL SUPERINTENDENT OF WESTHULME AND STRINESDALE HOSPITALS :

EX-PRESIDENT AND EXAMINER TO THE INSTITUTE OF SANITARY ENGINEERS :

FELLOW ROYAL INSTITUTE OF PUBLIC HEALTH :

MEMBER ROYAL SANITARY INSTITUTE :

FELLOW INCORPORATED SOCIETY OF MEDICAL OFFICERS OF HEALTH.

---

OLDHAM :

W. E. CLEGG, PRINTER, LITHOGRAPHER, ETC., 39, MARKET PLACE.







COUNTY BOROUGH OF OLDHAM.

---

# REPORT

ON THE

# HEALTH OF OLDHAM

FOR THE YEAR 1915,

BY

JAMES B. WILKINSON,

M.D., C.M., D.P.H., F.C.S.

MEDICAL OFFICER OF HEALTH ;  
MEDICAL OFFICER TO THE EDUCATION COMMITTEE ;  
MEDICAL SUPERINTENDENT OF WESTHULME AND STRINESDALE HOSPITALS ;  
EX-PRESIDENT AND EXAMINER TO THE INSTITUTE OF SANITARY ENGINEERS ;  
FELLOW ROYAL INSTITUTE OF PUBLIC HEALTH ;  
MEMBER ROYAL SANITARY INSTITUTE ;  
FELLOW INCORPORATED SOCIETY OF MEDICAL OFFICERS OF HEALTH.

---

OLDHAM :

W. E. CLEGG, PRINTER, LITHOGRAPHER, ETC., 30, MARKET PLACE,



## MEMBERS of the HEALTH COMMITTEE, 1915.

Mr. Councillor Simister, J.P., Chairman.

„ „ Dunkerley, J.P., Vice-Chairman.

The Mayor, Mr. Councillor W. Lees.

Mr. Councillor Ashton.

„ „ Grime, J.P.

„ „ Kempe.

„ „ Makin.

„ „ W. C. Brierley.

„ „ Low.

---

## HOSPITALS SUB-COMMITTEE AND INSANITARY DWELLINGS SUB-COMMITTEE.

All the Members of the Committee.

*To the Mayor, Aldermen, and Councillors  
of the Oldham Borough Council.*

MRS. LEES AND GENTLEMEN,

I have the honour of submitting for your consideration and approval my Annual Report on the Health of the Borough and the Administration of the Health Department during the year 1915.

The Report has been compiled on the same lines as in previous years, but has been considerably curtailed in accordance with the suggestions of the Local Government Board and with a view to economy.

A few of the Statistical Tables are not available this year, but the numbers of these Tables are left vacant, in the hope that, in the return to normal conditions, they may again be included.

The Infantile Mortality rate shows a decrease this year, but is to a considerable extent counteracted by the exceedingly low Birth rate, and though the present time has been considered by you inopportune to make any extensions of the work, I hope that in the return to happier conditions you will give your consent to measures which will still further reduce the unnecessary waste of infant and child life.

Various circumstances hindered full advantage being taken of the Tuberculosis Scheme, and the leaving of Dr. Berry for Active Service in December has once again set back the campaign against this destructive disease.

A brief Report of the records of the Soot Gauge are included. Unfortunately, the analyses could not be continued through the year. Comparison of the results obtained with those in other towns are not favourable to Oldham.

In conclusion, I beg to tender my thanks to the Members of the Health Committee for their support and confidence, and to my Staff for their willing assistance.

I have the honour to remain,

Your obedient Servant,

JAMES B. WILKINSON,

MEDICAL OFFICER OF HEALTH.



# INDEX.

---


	PAGE.
<b>Natural and Social Conditions of the District .....</b>	<b>11</b>
<b>Sanitary Circumstances of the District—</b>	
Water Supply .....	12
Rivers and Streams.....	12
Sewage Works—Disposal of Sewage .....	12
Closet Accommodation .....	13
Scavenging .....	14
Sanitary Inspection of District.....	26
<b>Premises and Occupations which can be Controlled by Bye-Laws and Regulations—</b>	
Common Lodging Houses .....	15
Cellar Dwellings .....	15
Offensive Trades .....	16
Schools .....	17
<b>Food—</b>	
Milk Supply.....	18
Bakehouses .....	19
Slaughter Houses, &c.....	19
Sale of Foods and Drugs Act .....	20
Housing .....	21
Houses Voluntarily Closed.....	23
„ Compulsorily Closed by the Authority .....	22
Address of Property Closed .....	23
Factories and Workshops Acts .....	23
Workshops .....	24
Shop Hours Act .....	25
Sanitary Administration of the District .....	26
Staff ..	27
Report of Chief Inspector .....	28-31
Smoke Nuisances .....	31-33
Percentage of Black Smoke .....	32
Meat and Food Inspection .....	33
Women Inspectors .....	33
Public Acts and Bye-Laws .....	33-36

	PAGE.
<b>Prevalence and Control over Acute Infectious Diseases</b> .....	37-39
Smallpox .....	39-42
Scarlet Fever .....	42-46
Diphtheria .....	46-47
Enteric Fever .....	47-48
Puerperal Fever .....	48
Erysipelas .....	48
Chicken Pox .....	49
Measles .....	49
Whooping Cough.....	49
Cases of Infectious Diseases at various Schools.....	50
Ophthalmia Neonatorum .....	51
Infantile Paralysis .....	52
Cerebro Spinal Meningitis .....	51
<b>Measures Adopted to Prevent the Spread of Infectious Disease—</b>	
Westhulme Hospital .....	52
Strinesdale Hospital ..	52
Cinder Hill Hospital ..	52
<b>Prevalence of and Control over Tuberculosis</b> .....	53-57
<b>Other Diseases—</b>	
Respiratory Diseases .....	58
Heart Disease ...	58
Diarrhoea .....	58
Cancer ...	59
Age.....	59
<b>Means for Preventing Mortality in Child Birth and in Infancy—</b>	
Infantile Deaths ..	60-62
Midwives' Act .....	62
List of Midwives .....	63-64
<b>Vital Statistics of the District</b> .....	65
Births .....	65-66
Deaths ..	66-67
Meteorological Report .....	68-71
Atmospheric Pollution .....	72
<b>Vital Statistics (Summary)</b> .....	73
Table No. 1—Houses Built in the Borough, 1875 to 1916 .....	74
„    2 and 3—Deaths under 1 year from Various Causes .....	75-76



	PAGE
Table No. 6—Population, Birth and Death Rates (Wards).....	77
„ 7—Death Rates in the Various Wards from Various Causes ...	78
„ 8—Births and Deaths in Wards for ten years .....	79-80
„ 9—Births and Deaths for Borough (10 years) .....	81
„ 10—Death Rates from Various Causes.....	82
„ 11—Deaths from 7 principal Zymotic Diseases .....	83
„ 12—Meteorological Observations .....	84-85
„ 15—Deaths Classified according to Diseases and Ages .....	86-95
„ 16—Scarlet Fever Cases and Deaths .....	96
„ 17—Diphtheria do. ....	97
„ 18—Enteric or Typhoid Fever Cases and Deaths .....	98
„ 19—Cases of Sickness and Deaths Registered .....	99
„ 20—Cases of Infectious Disease Reported in Wards .....	100-102
„ 21—Cases Admitted into Westhulme Hospital .....	104-105
„ 22—Cases of Sickness Reported .....	103
„ 23—Cases Admitted into Smallpox Hospitals .....	106
„ 24—Lady Inspectors' Report.....	107
„ 25—Workshops Registered, Visits, &c. ....	108
„ 26—Bakehouses „ „ .....	109
„ 27—Milk Shops „ „ .....	110
„ 28—Inspection of Mill Lodges, &c. ....	111
„ 29—Half-Hourly Smoke Observations .....	112
„ 30—List of Firms Reported to Health Committee .....	113
„ 31—Smoke Prosecutions.....	114
„ 32—Smoke Appliances in use .....	115
„ 33—Samples of Food, &c., Analysed .....	116
„ 34—Magisterial Proceedings .....	117
Food Inspector's Report .....	118-120
Inspectors' Reports and Work done.....	121-123
Abolition of Ashpits ..	124
Houses and Clothing Disinfected .....	124-125
Sanitary Department—Summary .....	126
Cleansing Department—Summary .....	126





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

<https://archive.org/details/b29936883>

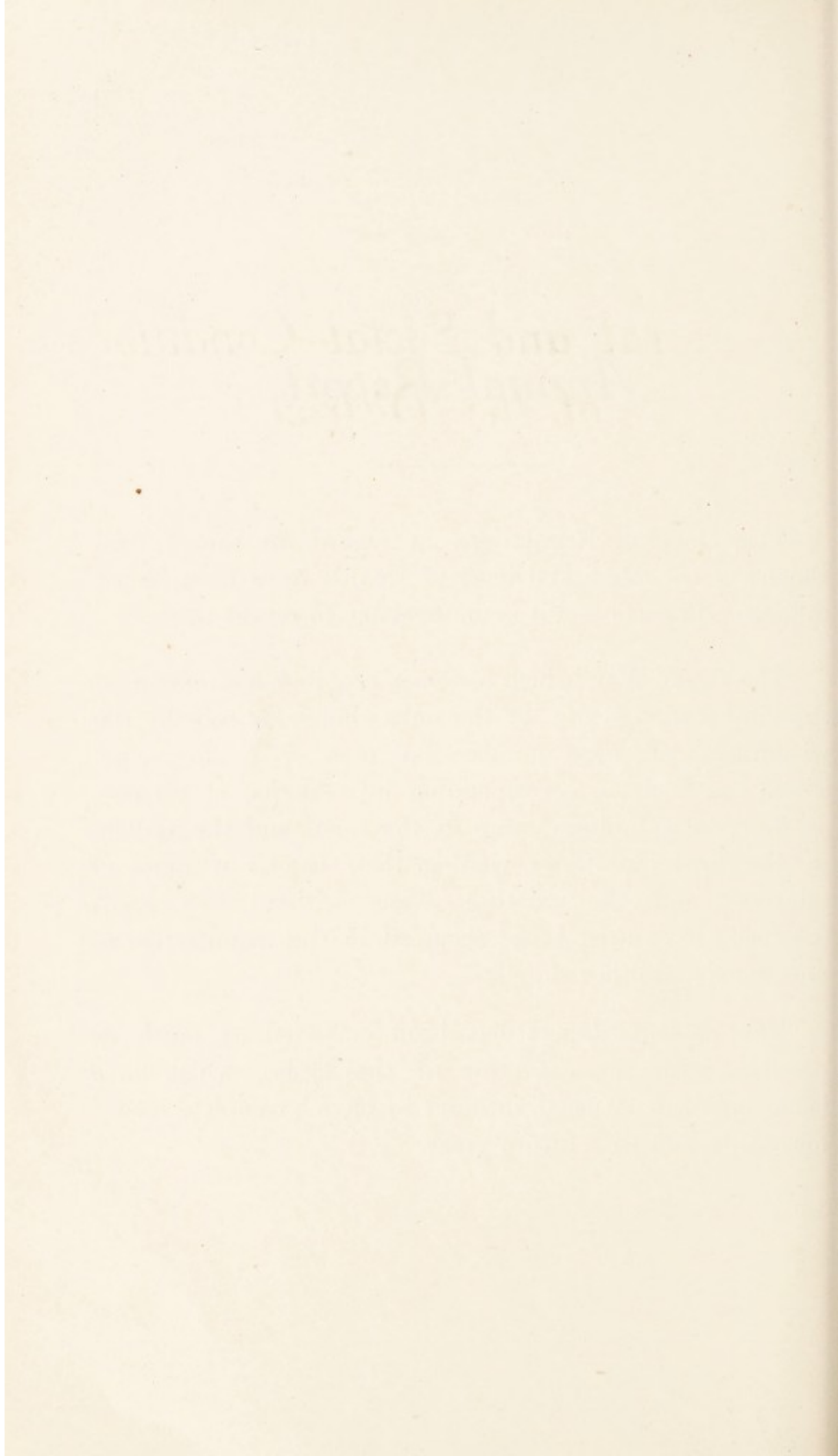
## *Annual Report.*

---

The General Regulations in regard to the Annual Report of the Medical Officer of Health have been issued in former Reports and it is unnecessary to repeat them.

The Great War, which is now in progress, has influenced the vital statistics, etc., of the town almost entirely by the withdrawal of large numbers of men of military age. There has been no corresponding introduction of persons, as there is no military camp in the town, and the soldiers in the town are those visiting their homes or those of relatives, and the existing works without any great extension have been those occupied in the manufacture of munitions and other supplies.

The present Report has been curtailed as much as possible, with the exception of the tables, which have been compiled as usual, in order to have a complete record for comparison with future years.





— A. —

## *Natural and Social Conditions of the District.*

---

The natural conditions of the town remain the same as in past years, and it is unnecessary to recapitulate them. The principal points affecting the health of the town are the elevated position with exposure to the strong, rain-bearing south-west winds and the consequent heavy rainfall. This damp atmosphere, when combined with the smoke and dust, have a detrimental effect on Bronchial and Heart diseases, which contribute so largely to the death-rate of the town.

Throughout the year, there has been very little distress in the town, and though commodities have cost more, wages have been high, and there has been little or no lack of employment for those willing to work.

In the General Hospital, the year has been one of great stress, no less than 1,884 In-Patients and 6,522 Out-Patients having been treated.

The well-equipped operating theatre at the Workhouse Infirmary has also been made good use of for many persons unable to obtain admission to the General Hospital.

## — B. —

*The Sanitary Circumstances of  
the District.*  

---

## WATER SUPPLY.

The general facts regarding the Water Supply were given in last year's Report. There was a sufficient supply throughout the year, and the new Filtration Plant, completed in 1914, has assisted in still further increasing the supply.

At the close of the year the Reservoirs contained 1,808,890,000 gallons, or 25 weeks' supply, compared with 1,855,400,000 gallons, and 25 weeks' supply at the close of the year 1914.

## SEWERAGE.

There are no rivers passing through the town, and all the streams have been sewerized.

The general arrangement of the Sewers and the construction of the Sewage Works have not been altered, and they need not be re-described.

As regards the Sewage Works, their condition has been very satisfactory during the year, the effluents have shown a great improvement, being practically all under the standard of the Rivers Board. All the sewage, except during very heavy storms, is treated. Owing to the absence of the Analyst in Military duty, the results of the daily analyses have not been tabulated.



As regards the disposal of the Sludge, the Grossmann Plant has worked very satisfactorily throughout the year, and the tanks are freer from sludge than at almost any time since the works were started.

### CLOSET ACCOMMODATION.

The work of converting the Pan Closets in the town to the Water Carriage System has, except in cases where a nuisance has occurred, been to a considerable extent suspended, and the issue of notices for additional closet accommodation, with the view of securing a separate closet for each house, has been allowed to remain in abeyance until more favourable times. The inspection, cleansing, and removal of blockages has continued as usual.

The various types of closets in the town at the close of the years 1914 and 1915 is as follows :—

	Dec., 1914	Dec., 1915	Increase	D'crease
Water Closets ... ..	6,607	6,892	285	—
Waste Water Closets ... ..	23,955	24,443	488	—
Latrines ... ..	2,892	2,916	24	—
Pan Closets ... ..	3,581	3,378	—	203
Total ... ..	37,035	37,629	797	203

Net Increase of Water Closets—594.

There are no privy vaults in the town. The contents of the remaining pan closets are mixed with shoddy dust, and sold as manure.

Offal from Butchers, Fishmongers, &c., is regularly collected, a small charge being made.



## SCAVENGING.

The Local Authority, by their own staff, undertake the removal of ashes and house refuse.

The substitution of ash-cans for the open ash-pits has been temporarily suspended, except where a nuisance exists, or where the owners of property voluntarily ask for the conversion.

At the close of the year there were in the Borough 1,624 ash-pits, and 28,784 ash-cans, compared with 1891 and 28,138 at the close of the year 1914.

The Ash-pit and Ash-can refuse is chiefly burnt at the destructors.

## *Premises and Occupations which can be controlled by Bye-Laws and Regulations.*

---

### COMMON LODGING HOUSES.

Bye-Laws for the control and regulation of these premises are in force, and the houses are supervised by a Special Officer of the Police Force, and are under the control of the Watch Committee. The accommodation is as follows :—

No. of Registered Lodging Houses -	16
Total accommodation at night - - -	1,264
Number of Persons occupying them -	237,731
Average occupation per night - - -	651

The average occupation per night has decreased by about 160.

All Common Lodging Houses are now annually licensed. The number remains the same as in the previous year.

The largest Lodging House has accommodation for 285 persons, all males.

Eight Lodging Houses have accommodation for females, of which two take only females. These two Lodging Houses have together about 40 beds.

In addition to the Common Lodging Houses there are 171 houses let in Lodgings, and 740 furnished rooms on the Register. These are under regular inspection by the District Inspectors.

To these houses 7,498 visits of inspection have been made, and 222 notices have been served for various defective conditions, of which 213 had been complied with at the close of the year.

A summary of the defects requiring notice will be found on a later page.

### CELLAR DWELLINGS.

There are very few of these dwellings in the town, only 15 or 16 in all. Some of those occupied are allowed to remain so on the understanding that they are not to be let to persons having young children.

### OFFENSIVE TRADING.

There are only 37 premises which come under this heading in this town, and most of them small places. They have been visited 644 times and 8 notices, all of which have been complied with, have been served for various defective conditions.

The following is a list of these trades :—

#### OFFENSIVE TRADES, 1915.

Tripe Boilers	-	-	-	-	-	13
Marine Stores	-	-	-	-	-	10
Grease Works	-	-	-	-	-	6
Gut Scrapers	-	-	-	-	-	3
Fat Sorter	-	-	-	-	-	1
Hide and Skin Depôts	-	-	-	-	-	2
Soap Boiler	-	-	-	-	-	1
Fat Boiler	-	-	-	-	-	1



## SCHOOLS.

The Medical Officer of Health is also Superintendent Schools Medical Officer, and a separate report on the work in connection with the Schools has been prepared, and a copy accompanies this Report.

Besides the Medical Officer of Health, the School Medical Staff consisted of a Lady Assistant Medical Officer, and a Male Assistant Medical Officer and three School Nurses.

The work may be briefly summarised as follows :—

- 1.—Every School in the Borough has been systematically inspected.
- 2.—The children entering the Schools, those reaching eight years of age, and those leaving School have been Medically examined.
- 3.—All the children in the five Special Schools have been examined.
- 4.—Children suffering from any remediable defect have been followed and measures taken to secure treatment.
- 5.—A School Clinic is open on five afternoons of the week, at which minor cases of disease can be treated, and School Exemption Certificates given if necessary.
- 6.—The Teachers report weekly, cases of minor Infectious Disease among the scholars, which are followed up by the School Nurse or Health Visitors.

The number of Elementary Schools in the Borough is 37, with 74 Departments, viz. :—2 Boys, 2 Girls, 35 Mixed, and 35 Infants. The number of children on the Registers at the close of the year was 23,252.

There is also a Secondary School, with Pupil Teachers' Centre, and five Special Schools (Blind, Deaf, Physical and Mental Defective, and for Stammerers).

The following is a Summary of the work :—

No. of Entrants examined ... ..	3,239
No. of eight year olds examined ... ..	2,218
No. of Leavers examined ... ..	2,273
No. of Ailments treated at the Clinic... ..	790
No. of School Exemption Certificates given.	3,608

## FOOD SUPPLIES.

### (*α*) MILK.

There were 107 Cowsheds and 51 Farm Dairies in the Borough at the close of the year, two new Cowsheds having been registered during the year.

These premises are under the supervision of the Food Inspector, and 269 visits have been paid to them ; 15 notices have been served for various defects, and 13 of these had been complied with at the close of the year.

All the Cowsheds in the Borough have now at least 600 cubic feet of air space for each Animal. No outbreak of disease has been attributed to the Milk supply from these premises, but a serious outbreak of Scarlet Fever occurred in connection with the Milk supply from an outside farm, of which a special report is given under the head of that disease.

There is one Dépôt in the Borough where the milk is sterilized, cleansed and cooled before it is distributed to the consumers.



During the year 112 new retail milkshops have been registered, and 183 discontinued, making a total of 447 in the Borough, a decrease of 71. About 922 visits have been paid to them, and only one defect was found which required a notice to be served.

In addition to the visits to these shops, 202 visits have been made to the premises where Ice Cream is being manufactured, and two notices for defects were served and complied with.

#### (b) BAKEHOUSES.

In Table 26 are tabulated the statistics in connection with these premises. The use of 24 has been discontinued during the year, and 52 new ones have been registered, making a total of 387, an increase of 28. About 1224 visits have been made in connection with these premises, and it was found necessary to serve 26 notices for the removal of defects, 24 of which have been complied with. There are 24 registered cellar bakehouses in the Borough.

About 200 are in connection with very small shops, and the baking is done in the living room or kitchen.

#### SLAUGHTER-HOUSES.

During the year 5 Slaughter-house licenses have lapsed, leaving 43 on the Register. All Slaughter-houses in the Borough are annually licensed and before the licenses granted each place is inspected by the Medical Officer of Health.

They are all constantly under the inspection of the Chief Inspector and the Assistant Meat Inspector. The total visits during the year was 2906, and 16 notices were issued



and complied with for various defects. Although a large quantity of meat ( $14\frac{1}{2}$  tons) were condemned it was not considered necessary to institute any legal proceedings.

There is no public abattoir in the town.

In addition to the visits to the Slaughter-houses, Bake-houses, and Dairies, the following visits have been made to the various food shops in the town :—

Visits to Meat Shops ... ..	9,533
„ Fish Shops .. ...	3,280
„ Fruit and Vegetable Shops ...	6,111
„ Ice Cream Vendors ... ..	196
„ Markets and Cattle Wharves ...	1,354

### SALE OF FOODS AND DRUGS ACT.

During the past year 163 samples of food have been purchased for analysis under the above Act, and 6 informal samples, making a total of 169.

Two samples of butter, and one sample of milk were found to be below the standard. They were No. 81.—Milk deficient in fat to the extent of 16 per cent. A control sample was obtained at the farm directly from the Cows, which seemed to confirm this as a genuine sample of milk, but there is some doubt if the Cows were completely milked. No further action was taken.

No. 159.—Butter contained  $9\frac{1}{2}$  per cent. excess of water.

No. 162.—Butter also containing  $9\frac{1}{2}$  per cent. excess of water. These were samples of Irish Butter, and the vendors were cautioned by the Committee.

The following is a summary of the various samples purchased ;—

### SUMMARY OF SAMPLES OF FOOD ANALYSED DURING 1915.

No. of Samples.	Description of Samples.	Genuine.	Not Genuine.	Summoned before Magistrates.	Com. and Cautioned.
55.	Milk.....	54	1	—	2
5.	Lard .....	5	—	—	—
8.	Beer .....	8	—	—	—
4.	Pepper .....	4	—	—	—
5.	Coffee .....	5	—	—	—
22.	Butter .....	20	2	—	—
2.	Rice .....	2	—	—	—
2.	Cheese .....	2	—	—	—
26.	Bread and Butter	20	—	—	—
2.	Flour .....	2	—	—	—
1.	Pearl Barley .....	1	—	—	—
12.	Glycerine.....	12	—	—	—
9.	Cream .....	9	—	—	—
6	Jam .....	6	—	—	—
2.	Skim Milk .....	2	—	—	—
8.	Vinegar .....	8	—	—	—
163		160	3	—	2
INFORMAL SAMPLES.					
3.	Milk.....	3	—	—	—
2.	Butter .....	2	—	—	—
1.	Cheese .....	1	—	—	—
169		166	3	—	2

One of the informal samples of milk was of a very poor quality, and was the control sample to No. 81.

### HOUSING.

The general particulars given under this heading in previous years need not be repeated.

House to house inspections have been continued, and 3,761 houses have been thoroughly examined—a record



made. 280 houses have been repaired, over 4,000 Notices have been served by the Inspector for various defects, and 600 of them not being complied with have been reported to the Health Committee, who usually issued the statutory notice. Only 107 of these nuisances remained unabated at the close of the year. The largest number of defective condition requiring notice were dampness, defective roofs, and privy nuisances. 283 notices were served for dirty houses, and 23 for over-crowding.

The number of new houses completed during the year was 85.

The items relating to the work of the Inspectors' are tabulated on a later page.

Thirty-one houses were reported to the Health Committee as unfit for habitation.

The following are the houses dealt with and the action taken :—

- 1 to 5, Lyon Dam Street (closed and demolished).
  - 7 to 17, Lyon Dam Street (adjourned—*sine die*).
  - 4, New Street (made satisfactory by the demolition of the following).
  - 4, court 1, New Street (closed and demolished).
  - 5 and 7, Water Street (adjourned—Owner to submit plans).
  - 18, Peter Street (no action taken).
  - 1 to 5, court 5, Peter Street (closed)
  - 2 to 6, court 6, Peter Street (closed).
  - 20, Peter Street
  - 1, court 4, Priory Street } (adjourned—*sine die*).
  - 45, Whiteley Street (made satisfactory by demolition of the following).
  - 2, behind do. (closed and partly demolished).
  - 3, behind do. (closed and partly demolished).
  - 3, court 5, Radcliffe Street (closed).
  - 40, Fountain Street
  - 42, Fountain Street
  - 1, behind do.
  - 2, behind do.
  - 3, behind do.
- } (Rubbish cleared away from premises at the back)



## GENERAL SUMMARY.

No. R'ported	No. of Houses Closed		No. Ad- journed	Plans to be Sub- mitted	No. De- moli'ed	Houses Demolished	
	By L. A.	By Owner				By Owner	By L. A.
31	10	3	8	7	3	4	*4

\*30 and 32, West Street, and 2 and 4 behind were closed during 1914.

## CLASS OF HOUSES CLOSED.

No. Closed	Through.	Single.	Under Dwellings
13	1	8	4

The following is a Summary of the houses which were voluntarily closed as dwellings during the year 1915.

## HOUSES VOLUNTARILY CLOSED.

Total Number Closed.	NATURE OF HOUSE.				REASON FOR CLOSING.
	Through	Single.	Back to Back	Under Dwel- lings	
32	23	8	1	0	2 demolished owing to being dangerous. 2 demolished owing to being dilapidated. 15 demolished for Street Improvements. 2 do. Mill Extension. 5 do. Railway do. 4 do. Workshop do. 2 converted into Warehouse.

## FACTORIES AND WORKSHOPS ACTS.

FACTORIES.—Smoke Observations of the Mill Chimneys and Inspection of the Mill Reservoirs are the routine work of the Inspectors. Where complaints as to sanitary con-

veniences or other nuisances on factory premises are received the usual notices are served.

WORKSHOPS.—There were at the close of the year 527 workshops on the Register, the use of 34 having lapsed, and 32 new ones registered. 216 Notices have been served for various defective conditions during the year. The nature of these, and other particulars, are recorded in Table No. 25. The following is a list of the Workshops which are registered in the Borough:—

Bakers .. . . .	9	Machine Brokers .. . . .	4
Blacksmiths .. . . .	6	Mackintosh Manufacturers ..	1
Blind Manufacturers... ..	2	Mantle Makers .. . . .	7
Blind Women's Industry ..	1	Marine Stores .. . . .	3
Bookbinders .. . . .	2	Milliners .. . . .	68
Bottlers (Beer) .. . . .	2	Opticians .. . . .	1
Brush Makers .. . . .	2	Paper Bag Makers .. . . .	1
Cabinet Makers .. . . .	6	Pattern Makers .. . . .	1
Carriage Builders .. . . .	1	Picture Framers .. . . .	3
Cloggers .. . . .	54	Plumbers .. . . .	6
Coffin Makers .. . . .	2	Photographers .. . . .	1
Confectioners .. . . .	50	Roller Coverers .. . . .	1
Coopers .. . . .	2	Saddlers .. . . .	2
Cotton Waste Dealers .. . .	17	Scale Makers .. . . .	2
Curriers .. . . .	3	Shirt Makers .. . . .	5
Cycle Makers... ..	3	Shoe Makers .. . . .	56
Drapers (Underwear and Skirts) .. . . .	4	Skip Makers .. . . .	6
Dress Makers .. . . .	83	Straw Workers .. . . .	1
Dyers .. . . .	1	Sundry Trades .. . . .	8
Drysalts (Chemists) .. . .	5	Tailors... ..	42
Electro-Platers .. . . .	2	Tinsmiths .. . . .	9
French Polishers .. . . .	1	Umbrella Manufacturers .. .	2
Heating Apparatus Manufac- turers .. . . .	1	Upholsterers .. . . .	2
Hosiery & Stocking Knitters	5	Watch Makers .. . . .	4
Ice Cream Manufacturers ..	1	Wire Workers .. . . .	1
Joiners .. . . .	8	Wheelwrights... ..	5
Laundries .. . . .	9	Wood Carvers .. . . .	1
		Wringing Machine Manufac- turers .. . . .	1



## SHOP HOURS ACT.

72 visits have been made by the Inspector under the provisions of this Act.

Two summonses against one firm were taken out for Assistants not having the statutory half-holiday. The firm was fined £1 and costs, the cases being merged into one.



— C. —

## *Sanitary Administration of the District.*

---

### STAFF.

On the following page is a list of the permanent Staff of the Health Department and of the School Medical Department, which is so closely allied.

The Medical Officer of Health is also Superintendent School Medical Officer, and Chief Tuberculosis Officer.

The Assistant School Medical Officers are entirely employed in School work.

The war has naturally called for service those members of the Staff who are of military age.

Dr. Dykes left in December, 1914, to join the Naval Service; Dr. Berry in December, 1915, to join the Army; Inspectors Jackson and Taylor and the clerks Boardman, Scholefield and Dawson all voluntarily attested and joined the Sanitary Service; one other Inspector has been passed and is liable to be called up with his group, and the only three remaining of military age have attested and been rejected on medical grounds. No less than 14 who have been members of the Staff are on Active Service at the present time. Three temporary officials who are exempt from service have been obtained to take the places of the above. No other alteration has occurred.

The Permanent Staff of the Department is as follows :—

**Chief Inspector of Nuisances—**

†\*GEORGE WINTERBOTTOM.

**Assistant Meat Inspector—**

GEORGE T. WINTERBOTTOM.

**Sanitary Inspectors and their Districts—**

NAPOLEON BRIERLEY—St. Peter's and Clarksfield Wards.

W. A. HOPKINSON—Werneth, Hollinwood, and St. Paul's Wards.

JAMES BURNETT—Hartford and Westwood Wards.

\*WILLIAM CLARKE—St. Mary's and Coldhurst Wards.

ELSON JACKSON—Mumps, St. James's, and Waterhead Wards (on Military Service).

**Smoke Inspector—**

†\*FRANK TAYLOR (on Military Service).

**Inspector for the Factories, Workshops, Bakehouses, &c.—**

\*WM. G. WRIGHT.

**Lady Inspectors for Shop Seats, Shop Hours, Female Workshops, &c.—**

§†\*MISS SMITH.      ||\*MISS ROTHWELL.

**Health Visitor—**

NURSE FELTON.

**School Nurses—**

NURSE BILLINGTON. NURSE LUCY PUGH. NURSE LOIS PUGH.

**Chief Clerk—**

JOHN WHIPP.

**Assistant Clerks—**

\*H. BOARDMAN, \*H. SCHOLEFIELD, W. DAWSON (all on Military Service) and J. CROSDALE.

**Disinfectors—**

W. OAKES.      G. STRINGER.

**Matron Westhulme Hospital—**

MISS PARKER.

**Assistant Schools' Medical Officer—**

LUCY PINNIGER, M.B., Ch.B., B.Sc.

ANNIE MOONEY, L.S.A., D.P.H.

**Assistant Tuberculosis Officer—**

CECIL BERRY, L.R.C.P., and S.Ed., and D.P.H. (on Military Service).

**Assistant Medical Officer of Health—**

A. L. DYKES, M.D., D.P.H. (on Military Service).

**Medical Officer of Health, Superintendent Schools' Medical Officer, and Tuberculosis Officer—**

JAMES B. WILKINSON, M.D., C.M., D.P.H., F.C.S.

\* Sanitary Inspector's Certificate of the Royal Sanitary Institute.

† Meat Inspector's

|| Certificate of Hygiene of School Life

‡ Certificate of the Sanitary Inspectors' Conjoint Board, London.

§ Certificate of Sanitary Science Vict. and Liverpool Univ.



REPORT OF THE CHIEF INSPECTOR FOR  
THE YEAR 1915.

---

TO THE MEDICAL OFFICER OF HEALTH.

SIR,

I have pleasure in presenting to you my report of the work done by your staff of Inspectors during the year.

There have been four cases of Parasitic Mange ; in the previous year we had one only.

Two suspected outbreaks of Swine Fever have been reported, one on the premises of a Public Institution, and the other on the premises of a farmer. The former only was confirmed by the Board of Agriculture. The swine were slaughtered and seventeen were found affected.

The food supply has again received a close inspection, over twenty-five thousand visits having been paid to premises where food is prepared, or deposited for the purpose of sale.

The amount of diseased or unsound food destroyed is over two tons greater than in the previous year. Over twelve tons of this has been surrendered by butchers. In no case has it been necessary to take magisterial proceedings.

Last year we had 172 cases of Tuberculosis, this year 188 cases have been dealt with. Of these, 128 cases were reported by the butchers and 60 found by the Inspector. There have been 108 cases of Tuberculosis in cattle, and 80 in swine, as compared with 94 and 78 cases respectively in the previous year.

We began the year with 48 Slaughter houses on the Register, 5 were lapsed voluntarily, leaving 43 on the Register. It has been necessary to serve 16 notices for the abatement of nuisances in connection with them, which have all been complied with.

Two additional Cowsheds have been registered during the year both having been converted from other purposes. In each case 800 cubic feet has been provided.

During the year 163 samples of Foods and Drugs have been purchased under the Foods and Drugs Acts, and 4 samples of food have been purchased informally, a total of 167 samples, which were submitted to the Borough Analyst.

The number of Smoke Observations taken amounted to 1319, as compared with 1081 in the previous year. Of these, 27 exceeded the limit, and were summoned to appear before the Health Committee. In 7 cases magisterial proceedings were taken; in 7 cases a caution was made by the Committee; 12 cases were adjourned for various periods, with the understanding that nothing further would be heard of the charge if they made an improvement, and in 1 case a legal notice was served.

The Inspection of the Borough for the purpose of ascertaining if any nuisances existed has resulted in 4058 notices being served; in addition, 179 notices have been served for the substitution of dustbins in lieu of ashpits. In connection with these notices 12863 re-visits were paid.

The substitution of dustbins for ashpits has not been as great this year as in the previous four years, owing to the decreased amount allowed for the work. During the year 335 ashpits have been demolished, and 711 dustbins



substituted in lieu of them. Since we began this work (18th November, 1909) 6,521 ashpits have been demolished and 16,629 dustbins substituted in lieu of them.

During the year 78 additional Closets have been provided for houses which had insufficient closet accommodation. In the past seven years 1,720 additional Closets have been provided for 4,272 houses, which previously had 1,610 Closets, an increased accommodation of 37·6 per cent.

During the year 3,761 houses were inspected under the Town Planning Act. A notice to cleanse was served on the occupiers of 283 houses; at the end of the year 256 had complied with the notice. Of the houses inspected 842 were found structurally defective, 701 of which were repaired during the year. Only 10 houses were found overcrowded whilst inspecting under the Town Planning Act, and 23 during general inspection. The offending householders were served with notices to abate the nuisances. Of these, 25 were complied with.

The Table relating to Houses Let in Lodgings shows that 7,498 visits were paid. As a result of these inspections, 222 notices were served to remedy various nuisances. Of these, 213 were complied with during the year. The custom is to visit some of these premises once per month, but there are others where it is necessary to visit much oftener. Some of these rooms are very unsatisfactory, being approached by means of very dark stairs, which are rendered more dangerous owing to there being no handrail. In a few cases I have caused rooms to be discontinued as Furnished Rooms, owing to their position being bad. If these places had to be registered before occupation, many difficulties would be obviated, as under the present conditions we have got to find them, and then do the best we can with them.



A constant supervision has been kept over the manure heaps, 100 notices to clear them having been served, of which 92 were complied with. As a great quantity is taken to other districts, the work has been much hampered by the shortage of railway trucks in which it is usually conveyed.

During the year 1,456 visits have been paid to cases of Infectious Diseases, a decrease of 471 visits as compared with the previous year. The visits to Phthisis numbered 116, a decrease of 52 as compared with last year. The visits to Phthisis are paid in order to arrange for the disinfection of the house and bedding.

In conclusion, I desire to express my thanks for the great assistance I have received from all the members of your staff, and also to yourself, for your confidence and support.

I beg to remain,

Yours faithfully,

GEORGE WINTERBOTTOM,

*Chief Sanitary Inspector.*

## SMOKE NUISANCES.

In normal times, one Inspector devotes practically his whole time in taking observations of the amount of black smoke emitted from the mill chimneys in the Borough. On the Smoke Inspector leaving for military duty, a temporary Inspector was obtained for this work, but towards the close of the year the Health Committee decided, from motives of economy, to dismiss this man, and allow the smoke observations to be taken by the District Inspectors.



This naturally means a diminution in the number of house and other inspections, or of visits to cases of infectious diseases, and does not aim for efficiency.

Owing to the results obtained by the gauge for estimating the deposit of soot, &c., which showed that Oldham had a higher deposit of soot than in any other town, a report was submitted to the Health Committee with a view to obtaining a diminution of the amount of smoke emitted from the various chimneys in the Borough, but the Committee decided the time was inopportune for making any alterations in the time limit. In addition to the notices to those exceeding the limit, an informal letter is sent the firms when the emissions closely approach the limit.

The following Table shows a comparison of the number of observations, &c., during the past 10 years :—

#### PERCENTAGE OF BLACK SMOKE.

Year.	No. of Observations	No Black Smoke	Under 2 Minutes	2 to 4 Minutes inclusive	Over 4 Minutes	No. Over the Limit.	Pro-secutions	Per cent. of Pro-secutions
1906	1255	26·13	46·68	25·50	1·67	29	16	55
1907	1256	46·09	38·05	13·93	1·91	36	18	50
1908	1427	47·79	37·00	13·03	2·17	54	26	48
1909	1978	49·40	36·1	13·4	1·1	46	22	48
1910	1730	51·1	30·2	16·9	1·6	39	22	56
1911	1894	59·4	26·1	18·9	·48	9	3*	17
1912	1547	45·2	31·4	21·8	·9	23	5	21
1913	1575	46·2	28·8	24·1	·9	31	12	38
1914	1081	44·5	41·1	13·3	1·1	21	7	33
1915	1319	44·9	43·8	10·0	1·4	27	7	26

\* In five other cases the Representatives agreed to be dealt with by the Health Committee and were fined £1 in each case.

In most cases a representative of the firm, when the limit had been exceeded, attended before the Health Committee, who after hearing any excuses, took the following measures :—

In one case it was the first offence, and the legal notice was served ; in seven cases a caution was given ; in twelve cases the matter was adjourned for two or three months, during which further observations were taken, and in seven cases legal proceedings were taken. The fines inflicted by the Magistrates varied from 5s. to 40s. and costs.

### MEAT AND FOOD INSPECTION.

A summary of the work under this head will be found in the Tables at the end of this Report, and further details in the paragraphs relating to the various food supplies.

### WOMEN INSPECTORS.

In Table 24 will be found a summary of the work carried out during the past year by the three Women Inspectors. From this Table it will be seen that 2,973 houses have been visited where births have occurred, and 1,298 subsequent visits have been paid to these houses.

Further particulars of the work carried out in connection with infant welfare will be found in a later section.

A large part of the work of these Inspectors is in connection with the visits to houses where cases of infectious disease have been reported in young children.

### PUBLIC ACTS AND BYE-LAWS.

The special Acts of Parliament and the Bye-laws in force in Oldham remain the same as in the previous year.



The Bye-law in relation to the Prevention of Spitting in Public Places, which was sanctioned in October, 1913, to remain in force until the end of 1914, has been re-sanctioned, and thus remains in force.

The following Report was furnished to the Local Government Board when applying for the new sanction :—

#### REPORT ON THE WORKING AND EFFECT OF THE BYE-LAW AS TO SPITTING IN PUBLIC STREETS, &c.

This Bye-law, which came into force in October, 1913, ceases to be in force after the 31st of December, 1914, unless a new Bye-law confirming and containing its provisions has been made and brought into force before that date.

When the Bye-law came into force, public notice was given in the usual way, and posters were issued through the usual channels. In addition, posters were sent to the Mills and large Workshops in the town, with a request that the owners would have them displayed in prominent positions in the works. Smaller leaflets were also printed for distribution. The Chief Constable also issued a Police Notice warning the public that the Bye-law would be rigidly enforced. Notices were also placed in the Public Rooms and at the entrance of the Free Libraries.

EFFECT OF THE BYE-LAW.—The Chief Constable reports that there has been a very marked improvement in the condition of the pavements of the town. Eleven prosecutions for offences against this Bye-law have been instituted, and ten persons have been fined 1s. each by the Magistrates, and one case was dismissed. The prosecutions were mainly taken against persons standing at street corners



or near the entrance of large works, and expectorating on the pavement near. It has not been necessary recently to take any proceedings, but many persons have been warned by the police and other officials of the Corporation. The Borough Librarian at the Free Library reports that formerly a great nuisance was caused in the newsrooms and on the steps of the building. Since the Bye-law has been in force, and notices placed in the rooms, there has been a very considerable improvement, and the offence is seldom now committed. Offenders, when seen, are spoken to, and the notice as to their liability pointed out. In a few instances these persons have been requested to appear before the Free Library Committee, and warned by them.

As Medical Officer of Health, I am able fully to confirm these reports. The pavements near large works and factories, where the men congregate after returning from their meals, were frequently in a most abominable condition. These conditions have now almost ceased to exist. The same remarks refer to street corners and the neighbourhood of public houses and places of entertainment. At one corner, near one of the large theatres, at times the pavement was almost dangerous owing to the slimy condition by frequent expectoration. Women's dresses were here most liable to become contaminated, and convey the filth, most probably infectious material, into the theatre and their houses.

The condition of tram floors, especially the upper one, where smoking is allowed, have also considerably improved. The Tramways Department had a Bye-law to the same effect previous to October, 1913, but the improvement on the trams has been most marked since that date, due probably to the general educative effect of the Bye-law.



Enquiries from persons having charge of various public rooms confirm the above opinion, and the only adverse comment on the Bye-law or its working, except from those caught committing the nuisance, is that the Bye-law might be more rigidly enforced. The renewal of the Bye-law will be an opportunity of again drawing public attention to its provisions.

The public, however, seem to be well acquainted with the provisions of the Bye law, as persons have been frequently noticed, after spitting on a prohibited surface, to rapidly cover the material with their foot, and furtively look round to see if they have been observed.

I strongly recommend the renewal of the Bye-law, not only as a remedy against the unsightly and offensive conditions which formerly existed, but also as a measure of public health, and for the prevention of Tuberculosis.

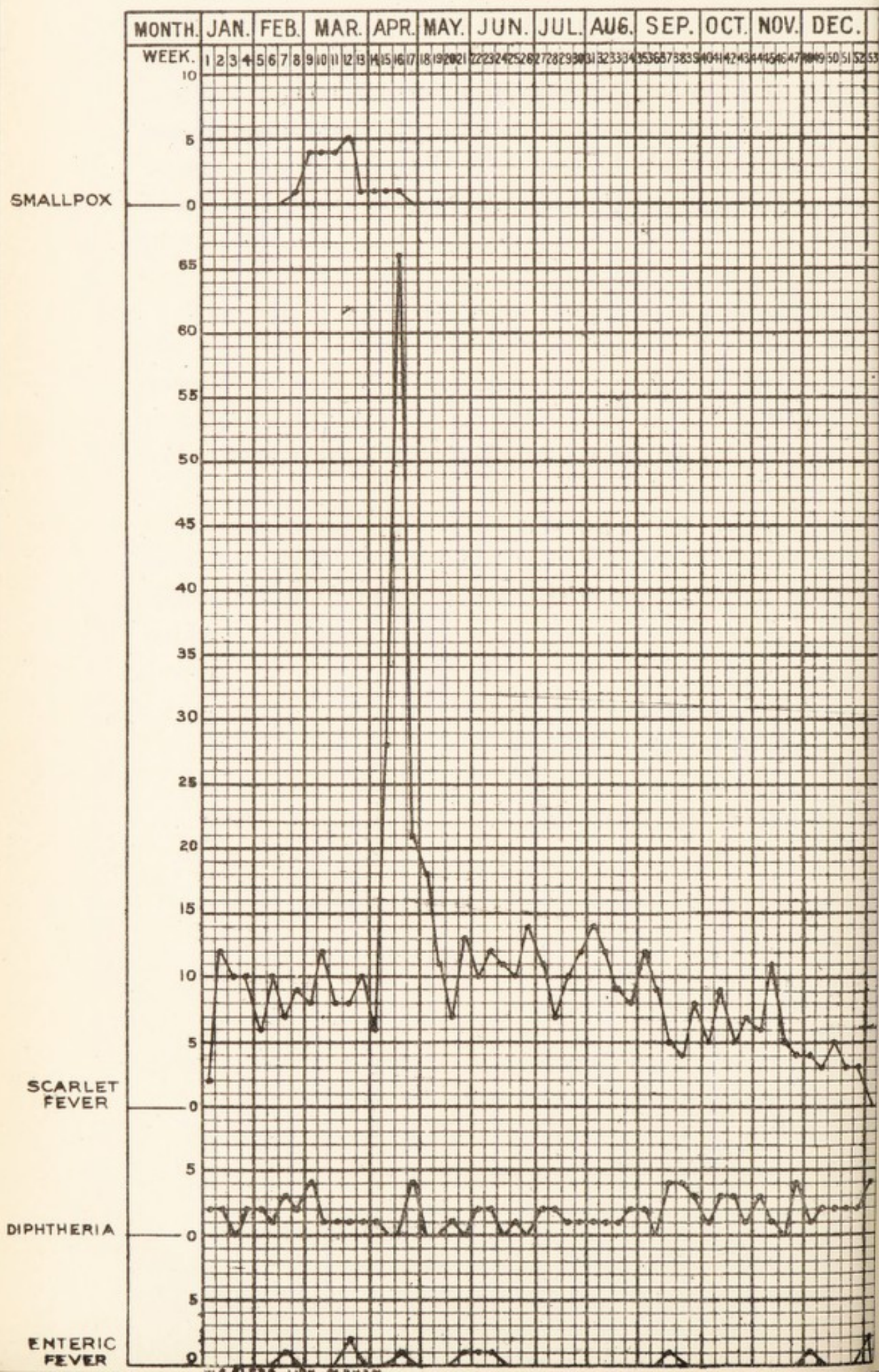
JAMES B. WILKINSON,

Medical Officer of Health,  
Chief Tuberculosis Officer,  
County Borough of Oldham





Notified during the year 1915.





## — D. —

# *Prevalence and Control over Acute Infectious Diseases.*

The following Table gives the number of cases of Infectious Disease notified and the deaths from each disease :—

DISEASE.	NOTIFICATIONS.	DEATHS.
Smallpox .. ...	22 .....	—
Scarlet Fever ... ..	530 .....	17
Erysipelas ... ..	138 .....	6
Diphtheria ... ..	86 ... ..	20
Enteric Fever ... ..	11 .....	3
Puerperal Fever ... ..	10 .....	6
Tuberculosis... ..	506 ... ..	267
Measles... ..	— ... ..	48
Cerebro Spinal Meningitis... ..	4 ... ..	2
Infantile Paralysis ... ..	— .....	—
Ophthalmia Neonatorum ... ..	27 .....	—



The total number of deaths from the seven principal Zymotic Diseases—viz., Smallpox, Scarlet Fever, Enteric Fever, Diphtheria, Measles, Whooping Cough, and Diarrhœa, during the year were 152, which is equal to a death rate of 1·0 per 1,000 of the population. Out of the above total, 48 were due to Measles, and 49 to Diarrhœa.

The following Table gives the number of deaths and death rates from the principal Zymotic Diseases, and indicates the prevalence of these diseases in the several Wards :

	Diarrhœa		Measles		Whooping Cough		Scarlet Fever		Diphtheria		Typhoid		Total
	De'ths	Rate	De'ths	Rate	De'ths	Rate	De'ths	Rate	De'ths	Rate	D'ths	Rate	Rate
St. Mary's ...	9	·81	8	·72	4	·36	...	...	2	·18	...	...	2·07
St. Peter's ...	2	·17	...	...	1	·08	...	...	...	...	...	...	·25
Werneth .....	3	·25	4	·33	...	...	2	·16	4	·33	...	...	1·07
Westwood ...	1	·06	3	·19	...	...	4	·25	2	·13	...	...	·63
St. Paul's ...	2	·12	8	·50	2	·12	3	·19	2	·12	...	...	1·05
Coldhurst ...	4	·37	6	·56	1	·09	...	...	...	...	...	...	1·02
Hartford .....	7	·52	3	·22	2	·15	...	...	...	...	...	...	·89
Hollinwood...	2	·19	1	·09	2	·19	1	·09	1	·09	1	·09	·74
Clarksfield ...	2	·12	3	·18	2	·12	2	·12	7	·43	...	...	·97
Mumps ...	7	·81	5	·58	...	...	1	·12	1	·12	1	·12	1·75
St. James's ..	9	·79	4	·35	...	...	...	...	...	...	...	...	1·14
Waterhead ...	1	·07	3	·21	1	·07	4	·28	1	·07	1	·07	·77
Totals .....	49	·34	48	·33	15	·10	17	·12	20	·14	3	·02	1·05
96 Gt. Towns.	...	...	...	·50	...	·23	...	·07	...	·16	...	·04	...
England and Wales.	...	...	...	·43	...	·21	...	·06	...	·15	...	·04	...







The following Table gives the attack-rate or number of cases per 1,000 people of the principal notifiable Diseases, in certain specified areas, during the year :—

	Scarlet Fever.	Diph- theria.	Enteric Fever.	Puerperal Fever.	Erysi- pelas.
England ... ..	3·53	1·52	0·18	0·06	0·67
Lancashire ... ..	4·49	0·91	0·31	0·05	0·72
Liverpool ... ..	4·02	1·63	0·14	0·07	1·01
Bolton ... ..	3·33	1·03	0·28	0·01	0·86
Manchester ... ..	4·28	0·82	0·25	0·15	0·70
Salford ... ..	4·53	1·07	0·36	0·10	0·77
<b>Oldham</b> ... ..	<b>3·77</b>	<b>0·60</b>	<b>0·08</b>	<b>0·08</b>	<b>0·97</b>
Blackburn ... ..	3·61	0·31	0·35	0·04	0·54
Preston ... ..	6·18	1·76	0·39	0·08	0·73
Burnley ... ..	4·02	0·99	0·20	0·07	1·22
Rochdale ... ..	1·51	5·66	0·24	0·00	0·88

### SMALLPOX.

Twenty-two cases of this disease were notified in the Borough during the year, all connected with one small epidemic in March and April.

All the cases were removed to Cinder Hill Hospital.

The following is a brief report of the outbreak :—The first case notified was on March 5th, and all the subsequent cases, with one exception, were more or less directly connected with this man, who was an iron worker, and had been ill a fortnight before the case was notified, two days of



which he had been to his work. On further enquiries it was found that about a fortnight previous to the commencement of his illness, the woman who took the washing from his house had an eruption, which was diagnosed as blood poisoning. A fortnight previous to this woman's illness her sister had an eruption, which was diagnosed as Chicken Pox. This girl works in a cotton mill, and had some marks on her arms which were highly suggestive of a recent attack of Smallpox. There were no other cases in connection with this mill. The one case not connected with this outbreak was in another part of the town, where there was very little probability of connection with the above cases. He also was a worker in a cotton mill. It is a singular fact that although the mill was in another district from that one where the girl worked, the two mills belong to the same family, and on enquiry at the mill, though there was no connection between the mills, the cotton bales were purchased at the same time, some being delivered to the one mill and some to the other mill. The cotton was obtained from Norfolk, U.S.A. This fact strongly points to the cotton being primarily the source of the infection of the girl, who was probably the first case of the outbreak.

The disease occurred among members of nine households, and the incidence in the various houses was—

No. 1 house 5 cases.

„ 2 „ 7 „

„ 3 „ 3 „

„ 4 „ 2 „

and one case in the five remaining houses.

In No. 1 house the first case had been ill a fortnight before the case was notified. In No. 2 house the father and mother had been vaccinated in infancy, but none of the six

children, whose ages varied from 23 to 15 years, had been vaccinated. All refused to undergo this, and besides the primary case, six other inmates contracted the disease.

The condition as to vaccination of the cases was as follows :—

Number of Case.	Age.	Condition as to Vaccination.	Where Vaccinated the length of time that elapsed between the last successful vaccination and the attack of Small-pox.
1	50	Vaccinated in infancy.....	50 years
2	27	Unvaccinated .....	—
3	57	Vaccinated in infancy.....	57 years
4	25	Unvaccinated .....	—
5	21	„ .....	—
6	17	„ .....	—
7	55	Vaccinated in infancy.....	55 years
8	15	Unvaccinated ... ..	—
9	58	Vaccinated in infancy.....	58 years
10	28	Unvaccinated .....	—
11	13 months	Vaccinated March 15th ...	(Developed Smallpox March 22nd)
12	17	Unvaccinated .....	—
13	23	„ .....	—
14	22	„ .....	—
15	19	„ .....	—
16	8	„ .....	—
17	19	„ .....	—
18	14	„ .....	—
19	27	„ .....	—
20	30	„ .....	—
21	29	Vaccinated in infancy.....	29 years
22	15	Unvaccinated .....	—

Case No. 11 was a baby whom the mother desired to take into hospital with her. She was vaccinated on March 15th, and the rash of Smallpox appeared seven days later, showing that she had contracted the disease seven days before the vaccination was performed.



The usual precautions were taken during the epidemic, and every known contact of the cases was under daily observation until the incubation period had passed.

The customary Report was sent to the Local Government Board.

### SCARLET FEVER.

The epidemic of Scarlet Fever, which occurred in the years 1913 and 1914, and which had already begun to decline in the latter part of 1914, continued to decline (with the exception of a sudden outbreak in April) until the close of the year.

Five hundred-and-thirty cases were notified, and there were 17 deaths, compared with 1,265 cases and 48 deaths in 1914. Out of this number 285 were removed to hospital for treatment, and 79 cases were received from outside districts, making a total of 364 treated in hospital. Of this number only seven died, giving a death percentage of 1·9, compared with 3·02 for the Borough cases.

The sudden and remarkable outbreak which occurred in April necessitated a Special Report, of which the following is a copy. There is every indication that the outbreak was due to milk, but how the milk was infected, and why it continued to be contaminated for at least some days, the closest enquiry did not show.

### REPORT *re* OUTBREAK OF SCARLET FEVER.

During the whole of the present year there has been an average of one or two cases of Scarlet Fever daily reported in the town. On April 8th six or seven cases were notified in one district, hitherto almost free of the disease. On visiting these cases it was found that the milk supply was

the same in each case, all receiving their milk either directly or indirectly from a farmer who lived about two miles outside the Borough. On the 9th, eight or nine more cases were notified in the same area, and all these, except two or three, were supplied with milk from the same source.

On becoming aware of this I visited the farm from which the milk in question came, and advised the farmer that it would be dangerous to send in any further supplies from his farm, and he agreed to at once arrange with another milkman to take over his round, so that the milk supplied from the farm ceased within 36 hours of becoming aware of the outbreak.

A wire was sent to the Medical Officer of Health of the district in which the farm was situated, giving him brief particulars of the outbreak.

My enquiries at the farm elicited the information that a fortnight previously the married daughter of the farmer buried a child who had died of Scarlet Fever after an illness of two days. I was informed that the child was isolated in a bedroom and attended by its mother, who kept in this room, and that the farmer's son who attended to the cows slept in a room downstairs. After the death and burial the house was disinfected by burning sulphur by the Inspector of Nuisances of the district, and the clothing was soaked in disinfectant and washed. All the inmates at this farm—five adults—showed no sign of the disease, and had not been ill in any way.

The shippens were in good condition and fairly clean, and the cows appeared to be healthy.



The milk is never taken into the house, but into an outhouse, where, in hot weather, it is cooled and then distributed night and morning.

The mother of the child informed me that she never had anything to do with the milk, which is handled by her brother and father.

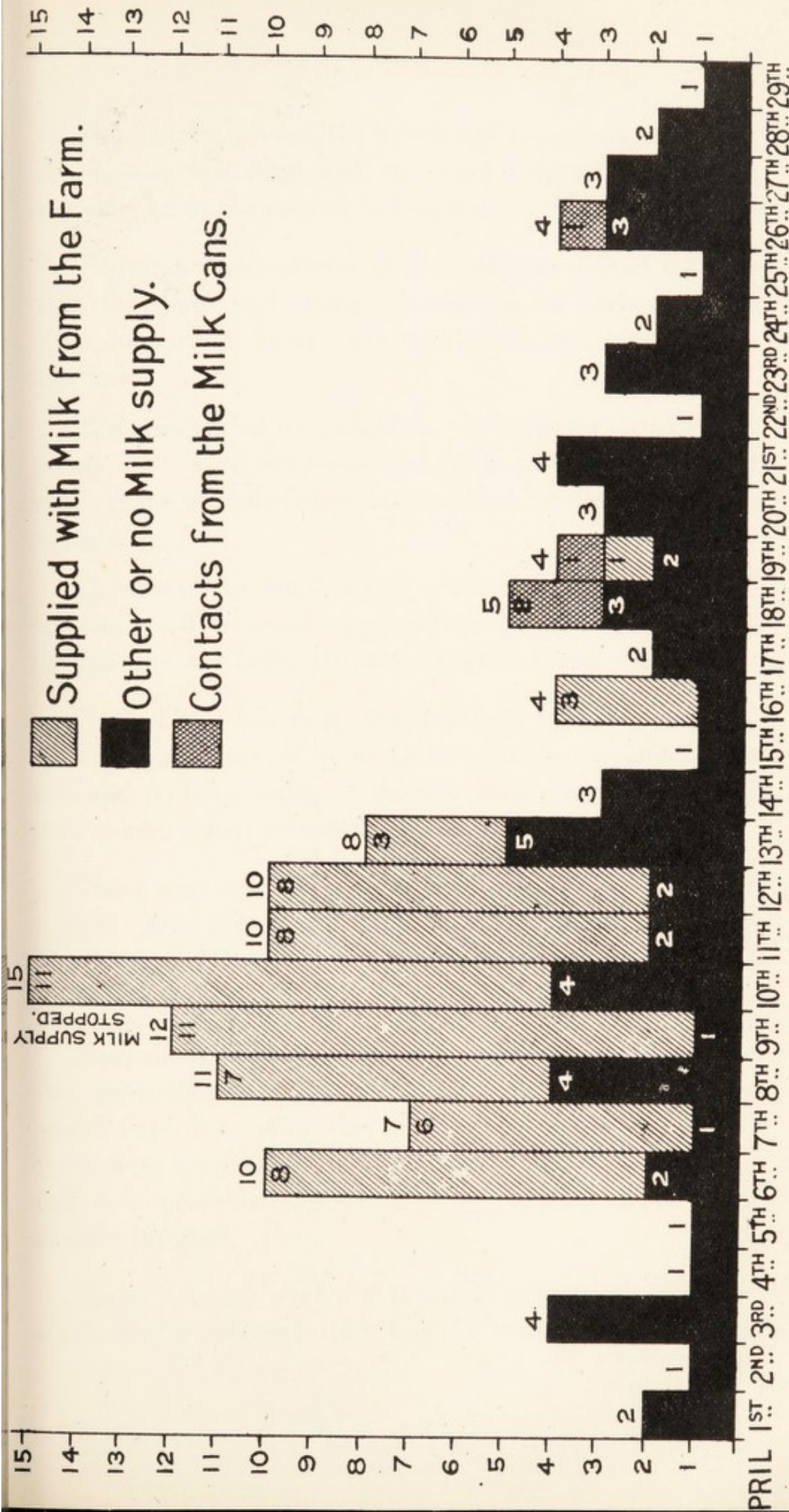
In the outhouse there was one or two washing tubs, but I was informed that no washing was done here. On a visit by the Medical Officer of Health for the County and the Inspector washing, however, was actually proceeding in this outhouse. I was subsequently informed by the Medical Officer for the District that he and his Inspector had visited the farm, and examined all the persons living on the farm, without result. One boy living in Oldham assisted in the distribution of the milk. I visited his home and examined him. He had not been ill, nor were there any signs of Fever.

The cows were subsequently examined by a Veterinary Inspector, who found them healthy in every way.

As regards the incidence of the disease there were 66 cases who directly or indirectly received their milk from this farm, and four secondary cases, making a total of 70 cases. In addition to this there were 10 or 12 cases which occurred in the same neighbourhood for which no origin can be traced, and who had not, as far as could be ascertained, received their milk from the same source.

Most of these cases, however, were children, and some of the milder cases in the 68 were out playing while suffering from the disease, and it is therefore possible that the cases were due to contact.





## DATES OF RASH.





The district is inhabited by well-to-do persons, and when the disease was diagnosed, the cases were all well isolated at home, or were removed to hospital.

Enquiries from several of the patients elicited the fact that they had each taken the milk in its raw state. No other connection, except the milk, could be found between the cases.

The ages varied from children of two years to adults of nearly 40. Some were school children, others not of school age. Some attended elementary schools and others private schools.

In some of the families two or three cases started simultaneously. The onset appeared to be of short duration, though in many cases with severe septic throat symptoms.

In one case the milk was drunk by husband and wife, who had just returned from holiday on the evening of the 4th, and on the evening of the 6th they were both in bed with severe throat symptoms and the rash out.

There were two deaths, one an adult of 25 and the other a child. One person who contracted the disease was a lady in a Surgical Nursing Home, who had been confined to bed for over a month.

Desquamation in some cases was very profuse, and there was generally a typical rash. The outbreak practically ceased four days after the milk supply had been stopped. There were four cases at a later date, on the 16th and 19th, and it is probable that these were contacts rather than directly infected.

There is every evidence that the milk supply was the cause of the outbreak, but how it became infected I am



unable to say. My own impression is that some of the clothing or bedding was not properly disinfected at the time of the death, but was stored, and subsequently washed in the outhouse into which the milk was taken, but the suggestion by no means explains all the circumstances of the outbreak.

The attached chart shows the incidence of the disease, and the sudden onset. In this chart the cases are tabulated according to the date on which the rash appeared, not on the date on which the notification was received. The first notifications were received on the 8th.

There were 84 cases in the district in all, distributed in 54 houses.

### DIPHThERIA.

Though not as prevalent as in the preceding year, there were far too many cases reported. The total number notified was 86, compared with 164 in 1914 and 91 in the year 1913.

Cases were reported in each month of the year, but the disease was most prevalent in September, October, and December.

As regards the districts of the town, the disease was most prevalent in Hartford and Clarksfield Wards, and least prevalent in Hollinwood, Waterhead and Coldhurst Wards.

Out of the total number of cases 32 were in children between the ages of one and five years, and 39 in children between the ages of five and 15 years. Seventeen cases occurred in households where there were no school children. In 40 instances the primary case in the house was a child attending one of the elementary schools in the town, and in

24 cases the primary case was one who was not attending any school, but with brothers or sisters attending school.

With 25 out of the 37 schools there were one or more cases associated, and three schools (all very large schools) seemed to be specially affected, the highest number in one school being 13 cases during the year.

The deaths totalled to 20, giving a percentage death rate of 23·25, a lower percentage than in the previous year. Twelve out of the 20 deaths were of children under the age of five years, and four others were under the age of six years. Thirty of the cases in the Borough were removed to Westhulme Hospital for treatment, and seven others were removed from the outside districts, making a total of 37 cases with six deaths, giving a death percentage of 16·2.

The Death Rate in England and Wales from Diphtheria for the year was 0·15, for the 96 great towns 0·16, and for Oldham 0·14 per 1,000 of the population.

Twenty-five swabs were sent for examination during the year. All of these were negative.

### ENTERIC FEVER.

During the year only 11 cases of this disease were reported in the Borough. This is the smallest number on record for the town, the lowest number previously being 12 in 1913. Four of these cases died, three during the year and one in January, 1916.

Four of the cases were removed to Westhulme Hospital, and one of them died.

Ten cases were also received into Westhulme from outside districts, making a total of 14 cases treated, with one death.



With the exception of two cases in one house there seemed to be no association of the cases, being distributed over eight months of the year, and through six Wards in the town.

Thirty-two specimens of blood were sent for examination, and seven gave a positive and 25 a negative result.

The death rate from Enteric or Typhoid in England and in the 96 large towns was 0·04, and for Oldham 0·02 per 1,000 of the population.

### PUERPERAL FEVER.

Ten cases were notified, and six deaths were registered as due to this cause. One of the cases notified from the Workhouse Infirmary was not an Oldham person, and her death was in consequence transferred to the district to which she belonged.

Seven cases were attended by midwives in the first instance, and two were confined in the Union Infirmary. One midwife was connected with two of the cases—one in May and the other in August.

### ERYSIPELAS.

One hundred and thirty-eight cases were notified, and six terminated fatally.

The age and part of the body affected in the fatal cases was as follows :—

- 1 Child, aged 7 months ...Head
- 2 Man, aged 53 years.....Body, after an operation
- 3 Woman, aged 84 years..Face
- 4 Woman, aged 63 years..Face
- 5 Woman, aged 34 years..Leg
- 6 Child, aged 1 year .....Face

## CHICKEN POX.

There were no deaths from this disease. An indication of the prevalence of this disease may be gained from the following Table, which records the number of cases (226) reported in the schools.

When Smallpox was prevalent all cases anywhere near the district affected were visited.

## MEASLES.

About 500 cases of this disease came to our knowledge during the year, compared with 1,446 cases the previous year, and 48 deaths were directly ascribed to this disease, instead of 161 in 1914.

A visit was paid by one of the Health Visitors to most of the cases, and directions given as to isolation and exclusion of the patients or the contacts from school. It is seldom, however, that re-visits can be paid. The general notification of the disease can have little result, except payment of the fees, unless additional visits and more active supervision can be carried out. The usual leaflets are distributed.

## WHOOPING COUGH.

One hundred and eighteen cases were notified from the schools, and death was attributed to this cause in 15 children. These deaths, however, are a small portion of the injury caused by this disease, the foundation of many cases of tuberculosis of the lung being a sequence of a number of cases.

The following Table shows the prevalence of these various diseases in the several schools so far as reported by the teachers :—



SCHOOL	Scarlet Fever	Diphtheria	Whooping Cough	Chicken Pox	Measles
Alexandra Rd. Council	8	2	...	3	6
Beever Street "	18	2	...	24	17
Clarksfield "	11	...	10	24	41
Derker "	12	5	20	16	25
Freehold "	19	2	7	24	5
Hathershaw "	51	3	13	22	59
Higginshaw "	10	...	...	10	1
Hollins "	4	1	1	11	53
Hollinwood "	3	1	1	7	4
Northmoor "	30	6	2	8	21
Richmond St. "	14	2	4	...	11
Roundthorn "	10	15	...	1	1
Scottfield "	4	1	2	3	15
Smith Street "	7	...	3	1	42
Waterhead "	3	1	1	4	2
Waterloo "	11	3	...	1	9
Watersheddings "	11	...	2	1	2
Wellington St. "	8	3	...	...	3
Werneth "	20	3	31	11	17
Westwood "	15	...	7	16	21
Christ Ch., Glodwick.	2	2	...	1	2
Coldhurst Church	9	1	2	...	2
Moorside "	2	...	6	12	28
Northmoor "	11	...	...	8	5
St. Andrew's "	4	1	...	...	...
St. Mark's "	5	3	1	3	2
St. Mary's "	7	2	...	...	40
St. Paul's "	5	...	...	2	2
St. Peter's "	...	2	...	...	2
St. Stephen's "	9	...	...	5	1
St. Thomas' "	3	2	1	...	2
Waterhead "	1	...	...	1	...
Dunbar Street R.C.	5	...	...	...	6
St. Anne's R.C.	13	...	4	3	5
St. Mary's R.C.	7	1	...	...	12
St. Patrick's R.C.	9	4	...	...	4
Deaf Mutes' School	1	...	...	2	1
Blind School	...	1	...	...	...
Chaucer Street S.S.	4	...	...	2	1
Totals .....	367	69	118	226	469

## CEREBRO SPINAL MENINGITIS.

Four cases of this disease were notified during the year. The particulars are as follows :—

1. March 30th, W.S., aged 7 years. Almost moribund when notified. No swab or cerebro spinal fluid could be obtained, and the symptoms and history pointed to tubercular disease rather than Cerebro Spinal Fever.

2. May 20th, T.S., aged 36 years. This was an undoubted case of Cerebro Spinal Fever. The meningococcus being present in the spinal fluid. The case was fatal.

3. April 24th, F.H., aged 15 years. Died after an illness of two days, and was dead when notified. No swabs or fluid were obtained. The described symptoms indicated a doubtful case.

4. October 11th, J.B., aged 6 months. Lived in a furnished room, and died three days after notification. No fluid or swabs could be obtained.

Two other cases of Meningitis were notified as doubtful, and visited, but in neither case were there any specific symptoms of Cerebro Spinal Fever. One was a man of 56, who had been ill ten years, and the other a youth of 18 years.

## OPHTHALMIA NEONATORUM.

Twenty-seven cases of this disease were notified during the year. All the cases were visited by one of the Medical Staff, and nearly all the midwives' cases had already been placed under the care of a medical man when notified. None of these cases resulted in blindness. Most of them were very slight cases.



## INFANTILE PARALYSIS (POLIOMYELITIS).

No case of this disease was notified during the year.

## MEASURES ADOPTED FOR THE PREVENTION OF THE SPREAD OF INFECTIOUS DISEASE.

The measures taken under this head vary little from those of the previous year, when they were fully enumerated.

The Hospital Accommodation available is as follows :—

WESTHULME HOSPITAL.—98 beds for various infectious diseases, and 30 beds for observation cases of Tuberculosis of the Lung.

STRINESDALE SANATORIUM.—30 beds for early cases of Tuberculosis of the Lung.

CINDER HILL HOSPITAL (Chadderton, Crompton, and Royton Joint Hospital Board).—Cases of Smallpox are sent to this Hospital, and an agreement has been entered into for Oldham to share the accommodation provided in the new Hospital, which is nearing completion.

Antitoxin is available for urgent or night cases of Diphtheria, and a supply of Antitetanic Serum is also stocked. Facilities are available to all Medical Practitioners for the free examination of Sputum, Diphtheria Swabs and blood for the Typhoid tests.

The following specimens were examined :—

Diphtheria Swabs .....	25
Typhoid Tests.....	32
Sputum .....	309
<hr/>	
Total .....	366

— E. —

## *Prevalence of and Control over Tuberculosis.*

---

The following is a brief summary of the work in respect to Tuberculosis during the year :—

The total number of primary notifications during the year was—

	1915	1914
Pulmonary Cases—Males .....	242	199
Do. Females ...	126—368	146—345
Non-Pulmonary—Males .....	92	86
Do. Females.....	46—138	66—152
	— —	— —
Totals.....	506	497

The majority of the Pulmonary Cases were visited at their homes, and particulars were obtained, especially as regards (*a*) the history of the illness, (*b*) possible sources of infection, (*c*) any insanitary conditions, such as overcrowding, bad ventilation, and lack of cleanliness. Advice was given as to how (*a*) to prevent as far as possible the spread of infection to others, (*b*) to protect the patient from further infection.

Owing to the absence of the Assistant Medical Officer and changes in the temporary staffs, very little medical supervision or examination of contacts could be undertaken. The home visitation (except for insured persons requiring Sanatorium Benefit) had chiefly to be carried out by the Tuberculosis Nurse.



Six hundred and four persons (exclusive of children of school age) were examined at their own homes or at the Dispensary; 350 of these were insured persons applying for sanatorium benefit, and 254 non-insured persons.

The following figures summarise the measures taken in connection with insured persons.

### I.—APPLICATIONS FOR SANATORIUM BENEFIT.

Number received.	Not recommended.	Not Treated.	TREATED.		
			Pulmonary	Non-Pulmonary	Total.
Men... .. 244	3	4	205	32	237
Women .....	2	1	88	15	103
350	5	5	293	47	340

### II.—CASES TREATED.

	Men.	Women.	Total.
Residential (Hospitals) ... ..	102	37	139
Dispensary .....	0	0	0
Domiciliary .....	176	78	254
	278	115	393

### III.—RESULTS OF HOSPITAL AND SANATORIUM TREATMENT.

	Treated	Improved	No Improvement	Died	Discharged before Treatment completed.
Men .....	102	74	13	11	4
Women...	37	20	9	5	3
Totals..	139	94	22	16	7

In addition to the insured persons, 49 non-insured persons have been admitted to one or other of the residential institutions for treatment. No charge is made for these persons. The great difference between the number

of insured and non-insured is due to the fact that the great majority of persons in the town of young and adult life are insured persons. A large proportion of the non-insured were married women and young persons under 16 years of age.

The total number of deaths from Tuberculosis of the Lung during the year was 203, fourteen more than in the previous year. In addition to this number, 64 deaths occurred from other forms of Tubercular Disease, making a total of 267 deaths from Tuberculosis; in 1914 the total number was 258, and in 1913, 263.

The death rate from Tuberculosis of the Lung was 1.40 per 1,000, compared with 1.24 in the year 1914, and a total rate from Tuberculosis of 1.85 per 1,000.

The higher rate is to some extent influenced by its calculation on a population 10,000 below the usual population, as, while this number will have left the town on military duty they will almost entirely consist of healthy persons, leaving approximately the same number of persons affected by the disease in the town, and in addition several who have left have returned home suffering from the disease.

The Wards with the highest death rate for Phthisis were—Mumps (2.2), and St. Mary's (1.8), and those with the lowest Westwood (0.8), and St. Peter's (0.9). Though not coming within the purview of the year, at the time of writing a residential school has been opened for 23 children of the pretubercular or incipient cases of this disease.

The caravan furnished and lent by the National Association for the Prevention of Consumption came for a fortnight during the month of September, and visited the most densely populated parts of the town.



The necessary recruiting of men for the army prevented as much attention being paid to the lectures, &c., as one would wish, but the able lecturer, Dr Jacob, who accompanied the van, estimates that his audiences would total to nearly 5,000 persons.

The following list shows the *occupation* of those notified and of those who died during the year from Phthisis:—

		Number Notified	Deaths
Cotton Operatives.	Cardroom hands ... ..	10	4
	Piecers ... ..	14	6
	Reelers ... ..	10	1
	Spinners ... ..	20	5
	Weavers ... ..	13	4
	Winders ... ..	6	6
	Other Cotton Operatives ...	14—87	9 35
Iron Workers.	Iron Grinders ... ..	4	5
	Fitters ... ..	5	4
	Moulders ... ..	0	2
	Labourers ... ..	1	7
	Turners ... ..	11	4
	Other Ironworkers ... ..	9—30	6—28
General Trades.	Bricksetters ... ..	2	2
	Carters ... ..	2	5
	Housework ... ..	49	41
	Shop Assistants, &c. ... ..	17	12
	General Labourers ... ..	1	23
	Other General Trades... ..	41	40
	No Occupation ... ..	77	16
	Soldiers .. ...	7—196	0—139

These two tables are hardly comparable, as the trades are often entered on the notification form indefinitely.

The examination of specimens of Sputa is available for all Medical Practitioners in the town.

No. of specimens examined—

Negative, 252 ; Positive, 57 ; Total, 309.

## SUMMARY OF NOTIFICATIONS, 1915.

Age Periods	NUMBER OF NOTIFICATIONS ON FORM A.										NUMBER OF NOTIFICATIONS ON FORM B.			NUMBER OF NOTIFICATIONS ON FORM C.				
	PRIMARY NOTIFICATIONS										Total Notifications (i. e. including previously Notified by other Doctors)	PRIMARY NOTIFICATIONS		Total Notifications (i. e. including previously Notified by other Doctors)	Poor Law Instit- utions	Sanatoria		
												Under 5	5 10 to to 10 15				Total	
	0 to 1	1 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65								Total
Pulmonary—Males.....	1	4	11	7	10	15	39	45	27	24	6	189	209	...	1 ...	1	30	2
—Females .....	2	7	9	6	17	21	24	18	12	2	2	118	124	...	1 ...	1	2	1
Non-pulmonary—Males.....	2	13	7	10	17	6	7	3	2	2	...	69	77	...	...	...	15	...
—Females...	1	4	6	5	4	6	4	3	4	...	1	38	41	...	...	...	5	...
Total .....	4	23	31	31	37	44	71	75	51	38	9	414	451	...	2 ...	2	52	3

A number of school children (about 40) were notified verbally, or sent direct to the Dispensary, and are not included in the above figures.



## — F. —

*Other Diseases.*

## RESPIRATORY DISEASES.

The total deaths from these diseases show an increase this year of 62 compared with the previous year, the numbers being as follows:—Bronchitis 335, Pneumonia 230, Pleurisy 6, and other Respiratory Diseases 19. Seventy-eight of these deaths were in children under the age of one year, and 166 in persons over 65 years of age.

The Death rates were 2·3 for Bronchitis and 1·6 for Pneumonia, and a total respiratory death rate of 4·1, compared with 1·9 for Bronchitis, 1·4 for Pneumonia, and a total respiratory rate of 3·5 in the previous year.

## HEART DISEASE.

The deaths this year from various heart affections are fewer than in 1914—viz., 248, compared with 252. Rheumatic affections, the principal cause of Heart Disease, also caused fewer deaths, 24 against 28.

## DIARRHŒA.

There were only 49 deaths due to this disease, 32 of which were in infants under the age of one year, and 41 under the age of two years. Only four deaths from Diarrhœa occurred in elderly people.

In addition to these, 15 infants under the age of one year died from Enteritis and Gastritis, and four between the ages of one and two years.

## CANCER.

The deaths from Cancer and other malignant disease show a considerable increase this year, being 194, compared with 155 in 1914, 146 in 1913, and 133 in 1912. No means beyond early surgical treatment are yet available for checking the increase in this disease.

## AGE.

659 deaths, or rather more than 25 per cent. of the total deaths, were in persons over the age of 65 years, and 380 deaths, or about 14 per cent., were in children under the age of one year. Twenty-four per cent. (613) of the deaths were in children under five years of age. This is an improvement over the previous year, but considering that the great proportion of these deaths are preventable, there is still an unnecessary loss of life.



## — G. —

## *Means for Preventing Mortality in Child Birth and in Infancy.*

### INFANTILE DEATHS.

There has been a decrease this year in the number of deaths of children under the age of one year—viz., 380, instead of 476. This number gives an infantile mortality rate of 126 per 1,000 births, compared with 136 in 1914.

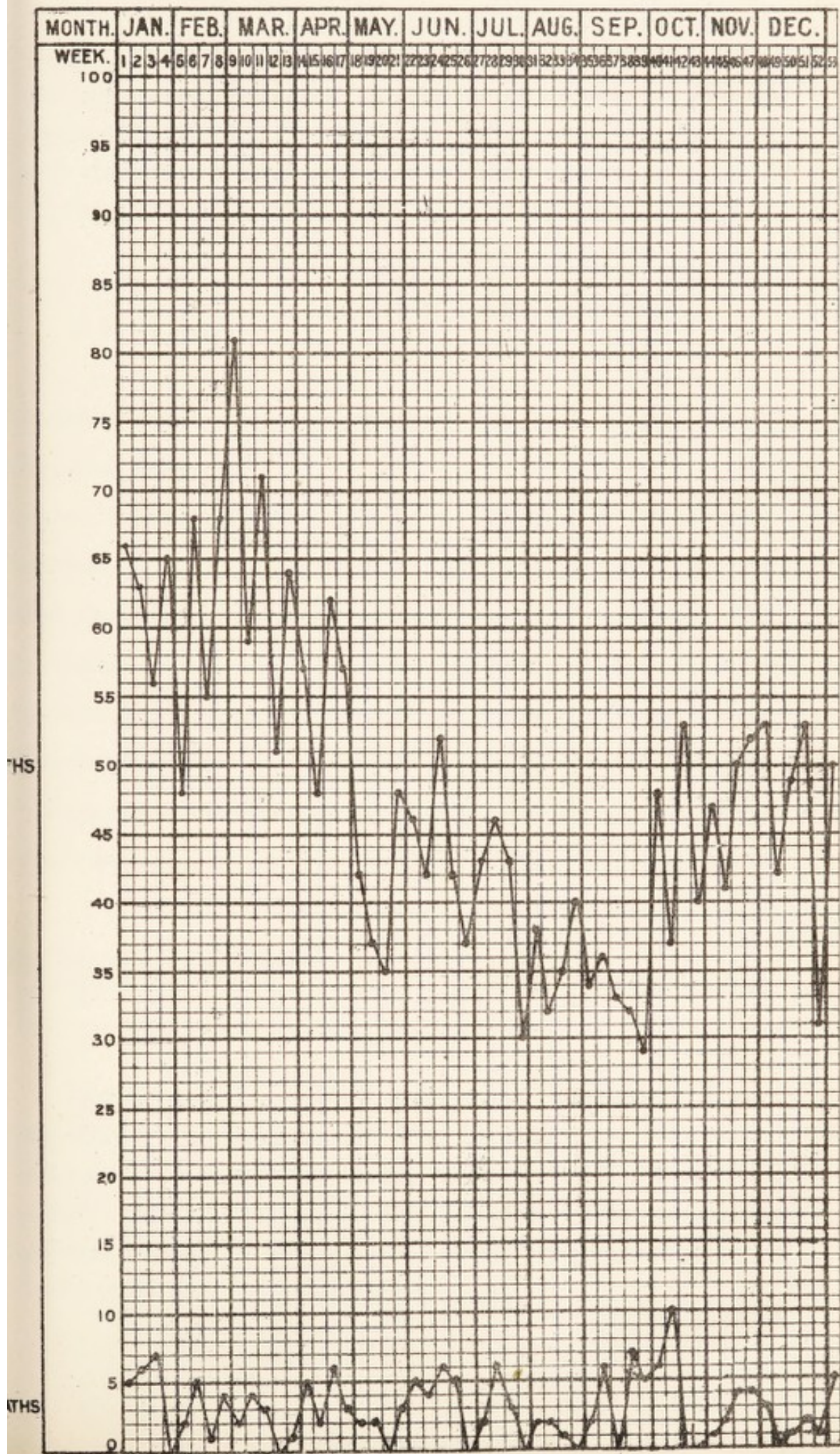
Though this rate is below the average for the past few years, there is no reason whatever why it should not be still further reduced. Quite one-third of these infant deaths are due to causes which are greatly preventable. The same remark applies also to children's deaths between one and two years, and also to those up to five years of age.

The following indicates the Infantile Mortalities of certain specified districts for comparison :—

England and Wales...	...	110	per 1,000 births.
96 Great Towns	...	117	„
Lancashire	...	129	„
Cheshire	...	103	„
Bolton	...	123	„
Oldham	...	126	„
Blackburn...	...	146	„
Manchester	...	125	„
Preston	...	155	„
Liverpool	...	132	„
Salford	...	132	„
Burnley	...	165	„
Rochdale	...	118	„



# BOROUGH OF OLDHAM.







The following Table compares the Death rate among infants in the town from certain classes of disease during the six years previous to the employment of Women Inspectors, during the six years after their employment, and during the first six years in which the Notification of Births has been in force, with the present year :—

CAUSE OF DEATH.	Average Death Rate per 1,000 Births, 1896-1901.	Average Death Rate per 1,000 Births, 1902-1907.	Death Rate per 1,000 Births in 1908-1913	1915
Premature Births .....	20·07	21·71	22·36	18·95
Congenital Defects . .....	2·77	5·23	3·84	6·98
Atrophy, Inanition & Debility	21·41	17·78	15·89	10·31
Diarrhœa .....	21·06	17·54	20·34	10·64
Other Zymotics .....	14·20	13·33	9·78	8·97
Convulsions .....	14·74	10·54	6·88	8·97
Dentition ... ..	2·87	2·13	1·78	1·99
Tubercular Diseases .....	7·39	4·86	4·02	2·99
Pneumonia and Bronchitis.	38·75	30·70	26·71	25·60
Other Causes .....	36·15	27·59	25·35	30·92
	179·42	150·42	136·95	126·32
Excluding Premature Births and Congenital Defects...	158·6	123·5	110·75	100·43

During the year there were 154 Illegitimate Births registered, compared with 201 in the year 1914. The increase of illegitimate births which was prophesied by certain persons has not taken place in Oldham, and the general returns throughout the country show, with one or two exceptions, the same result.



Forty-two illegitimate infants died, giving an infant death rate for legitimate children of 115, and for illegitimate children of 272 per 1,000 births, more than double.

The various Schools for Mothers have continued their work during the year. There are three baby clinics attached to these for advice and weighing of the babies.

In the School for Mothers under the control of the Health Department, there have been 1,500 attendances during the year. The great feature of the work at this school during the year has been the series of Practical Cookery Lectures, which have been very much appreciated. The average attendance per week has been 36, and the average weighings per week has been that of nine babies.

The Report submitted by the Medical Officer of Health for a complete scheme of infant supervision and maternity work for the town has been discussed on several occasions, but the Health Committee decided to take no further steps for the reduction of infant mortality for the present. This decision was subsequently endorsed by the Council.

### THE MIDWIVES' ACT.

Lack of Staff has prevented the supervision of the Midwives to be undertaken as in previous years. Most of the Midwives were visited in the earlier portion of the year, but further visits had to be postponed.

During the year seven Midwives ceased to practice in the Borough. Three new Midwives commenced practice in the Borough.

At the close of the year there were 57 Midwives on the Oldham list, this number being four less than the previous year.

The following is the list of those practising in the Borough during the year :—



## LIST OF MIDWIVES.

Name.	Address.	Number of Certificate	Date of Certificate.
Alibone, Beatrice M. ....	Lees Nurses' Home ...	32193	Feb. 20/1911 (4)
Billington, Annie .....	21, Stoneleigh Street ..	33601	June 20/1911 (4)
Booth, Elizabeth G. ....	111, Kirkbank Street ...	30633	May 3/1910 (4)
*Brooks, Alice .....	Sholver Lane .....	812	Jan. 28/1904
Bunting, Mary Ellen ..	3, Welbeck Street .....	4650	May 26/1904
Camkin, Hannah .....	120, Cowhill, Chadderton	11993	Jan. 26/1905
Cecil, Elizabeth Ellen ..	27, Railway Road.....	1951	Feb. 25/1904
Challinor, Elizabeth ...	26, Dickenson Street ...	480	Dec. 17/1903
Corless, Elizabeth Ellen..	177, Lee Street.....	10733	Dec. 22/1904 (1)
Cox, Sarah Ann .....	56, Kirkham Street .....	3354	Mar. 24/1904 (1)
Crabtree, Ellen .....	3, Mitchell Street.....	14797	Feb. 23/1905
Dearden, Mary Alice .....	234, Greenacres Road ...	9476	Nov. 24/1904 (2)
Denton, Jane Ann .....	556, Oldham Rd., Royton	18831	April 27/1905
Du Feu, Emily .....	Leesfield House, Lees...	91568	June 25/1910 (4)
Dyson, Mary .....	706, Oldham Road, Failsworth	164	Nov. 26/1903 (1)
Fox, Frances .....	62, Abbey Hills Road ...	32210	Oct. 29/1910 (4)
Gaskell, Louisa .....	609, Oldham Road, Failsworth	36801	Oct. 28/1912 (4)
Geoghegan, Catherine ...	46, Greenwood Street...	32218	Oct. 29/1910 (4)
Hall, Martha .....	594, Oldham Road, Ashton	5270	Jan. 1/1914
Hanson, Jane .....	15, Robson Street .....	5759	June 30/1904
Haslam, Alice ..	118, Trafalgar Street ...	3941	April 25/1904
Heywood, Caroline ...	406, Hollins Road .....	76	Oct. 29/1903
Heywood, Matilda .....	382, Lees Road .....	77	Oct. 29/1903
Hill, Florence .....	331, Manchester Road...	36110	June 18/1912 (4)
Hindley, B.....	279, Waterloo Street ...	42805	Aug. 10/1915 (4)
Hirst, Selina .....	78, Featherstall Road N.	30202	Feb. 21/1910 (4)
Horrocks, Hannah Marie	71, Urmson Street, Hathershaw	5879	June 30/1904 (4)
Hutchings, Margaret....	46, Sunfield Road.....	11858	Jan. 26/1905 (2)
Jackson, Hannah, .....	75, Wickentree Lane ...	5901	June 30/1904
Jackson, Sarah Jane .....	4, Redvers Street.....	63	Oct. 29/1903 (1)
*Jenkinson, Annie ...	29, Grasmere Road .....	26788	July 23/1908 (4)

\*Not practising.



## LIST OF MIDWIVES—CONTINUED.

Name.	Address.	Number of Certificate	Date of Certificate
Jones, Ann .....	199, Coalshaw Green Rd.	38271	June 16/1913
Kershaw, Ann.....	21, Sholver Lane .....	4505	May 26/1904
Kershaw, Hannah.....	224, Ashton Road .....	1712	Feb. 25/1904
Laycock, Martha A. ....	39, Bamford Street, Chadderton	30989	June 30/1910 (4)
Mayall, Eliza Ann .....	11, Hesse Street .....	142	Nov. 26/1903
Mills, Mary Ellen .....	235, Ashton Road.....	483	Dec. 17/1903
Moorhouse, Emma .....	111, Redgrave Street ...	29566	Oct. 30/1909 (4)
*Norman, Fraulein Mary Blanche	35, Windsor Road .....	40525	June 22/1914
O'Hara, Ellen.....	31, Jackson Street .....	28117	Feb. 15/1909 (4)
Radakin, Catherine .....	13, Davies Street .....	79	Oct. 29/1903
Reeves, Sarah Elizabeth.	37, Chester Street .....	41891	Feb. 20/1916 (4)
Ridings, Alice.....	58, Albert Street, Chadderton	34276	Aug. 8/1911 (1)
Roberts, Mary Ann .....	4, Flora Street .....	591	Dec. 17/1903
Shaw, Mary Ann .....	5, Old Lane, Austerlands	505	Dec. 17/1903
Smith, Charlotte .....	12, Higginshaw Road...	64	Oct. 29/1903
Stirman, Mary J. ....	33, Fulham Street .....	3043	Feb. 21/1910 (4)
Sutton, Mary .....	100, Bamford Street, Chadderton	58	Oct. 29/1903 (1)
Taylor, Fanny .....	171, Balfour Street .....	29693	Oct. 30/1909 (4)
Taylor, Mary Ann .....	3, Canal St., Hollinwood	2592	Mar. 24/1904
Travis, Mary .....	47, Westend Street .....	9443	Oct. 27/1904
Tweedale, Mary Jane ...	41, Sharples Hall Street.	29713	Oct. 30/1909 (4)
Whalley, Mary .....	40, Brackley Street .....	216	Nov. 26/1903 (2)
Whyatt, Hannah .....	6, Prince Albert Street...	11065	Dec. 22/1904
Worstencroft, Sarah Ann.	8, Coalshaw Green, Chadderton	21194	April 27/1905
Wright, Kitty.....	92, Bolton Street .....	65	Oct. 29/1903
Wright, Mary.....	782, Huddersfield Road.	5444	June 30/1904

\* Not practising.

- (1) Holds the Certificate of St. Mary's Hospital, Manchester.
- (2) Holds the Certificate of the London Obstetric Society.
- (3) Holds the Certificate of the Southern Hospital, Manchester.
- (4) Passed the Examination of the Central Midwives' Board.



## — H. —

*Vital Statistics of the District.*

---

In ordinary circumstances the estimated population of the town would have been about 152,000 persons, but the Registrar General has, in view of the number of soldiers who have left the town, made a special estimate—viz., 141,781, and the various rates for the town have been calculated on this figure.

The various Ward rates have been calculated on last year's population, as it would be almost impossible, without taking an actual census, to estimate the decrease in the population of the several Wards.

As the men who have left the town are presumably strong and healthy persons, while the delicate and the women and children remain, this alteration would have a tendency to increase the various rates to a larger extent than the true figure. The natural increase, or the increase of the births over the deaths was 406, compared with 799 in the year 1914.

## BIRTHS.

The total number of Births registered in the Borough during the year was 3,007, of which the males numbered 1,572, and the females 1,435. This number is a decrease of 486 compared with the year 1914, and is equal to a rate of 20·8 per 1,000 of the population.



This rate is about 2 per 1,000 lower than the previous lowest birth rate in 1912, when it was 22·9.

The average Birth rate for England and Wales during the year was 21·8, and for the 96 large towns 22·8.

In comparing the Wards the highest Birth rate was in St. Mary's Ward with 26·2, and the lowest in St. Peter's and Werneth Wards, with 15·6 and 15·8 respectively.

### DEATHS.

The total number of deaths registered in the Borough during the year was 2,745, giving a crude rate of 19·0 per 1,000. From this number the deaths of 209 non-residents are to be deducted, and 65 residents who died outside the district are to be added, giving a corrected number of 2,601, which is equal to a rate of 18·0 per 1,000 persons.

This rate is higher than the average for the preceding five years, and is probably affected by being calculated on the lower population, which has been reduced from the normal by the removal of the healthiest section of the community—viz., the male population between the ages of 18 and 40 years. The deaths between these ages are this year within a dozen of the number which occurred in the previous year at the same age, indicating that the presence of the 10,000 soldiers in the town would have altered the number of deaths very little, while it would have considerably reduced the rate.

The following Table gives the number of deaths from certain specified diseases during the previous six years, for comparison with the year 1915 :—

NUMBER OF DEATHS FROM CERTAIN DISEASES DURING  
THE LAST SIX YEARS, &c.

	1909	1910	1911	1912	1913	1914	Aver'ge	1915
Measles.....	48	84	64	65	38	169	64	48
Scarlet Fever .....	16	4	5	7	19	48	12	17
Whooping Cough ... ..	15	77	13	65	36	56	44	15
Diphtheria .....	14	9	11	12	19	39	14	20
Typhoid Fever .....	12	10	3	0	3	5	7	3
Tuberculosis.....	287	247	227	257	263	258	265	267
Diarrhœa .....	54	80	260	52	104	69	124	49
Cancer .....	123	147	145	133	146	155	137	194
Premature Births .....	97	69	84	83	77	77	83	57
Diseases of Brain and Nerves...	328	256	297	246	290	302	287	317
Heart Disease, &c. ....	325	339	247	226	292	277	290	276
Respiratory Diseases .....	613	490	494	507	531	523	534	590
Diseases of Digestive System..	145	136	139	124	161	134	143	145
„ „ Urinary „ ..	121	96	100	141	99	99	111	124
Accident .....	53	46	60	68	62	65	56	68
Suicide .....	15	13	16	10	17	19	14	9
Atrophy and Wasting .....	56	66	61	51	55	38	64	36

The average death rate for England and Wales was 15·1, and for the 96 large towns 15·6 per 1,000 population.

In comparing the various Wards, the rates being estimated on last year's population, Coldhurst and Mumps have the high rates of 22·7 per 1,000 and 22·7 per 1,000 respectively, while Westwood has a rate of only 13·7 per 1,000.

Tables 4 and 5, showing a comparison of Oldham with other towns, have this year to be omitted.



## *Meteorological Report.*

---

The Observatory is in the Oldham Park on the south east side of the town. The records are taken daily at 10-0 a.m. In addition to the instruments at this place, a rain-gauge, maximum and minimum thermometer, and a sunshine recorder have been installed at the Strinesdale Sanatorium. A Summary of the Observations will be found in Table 12.

JANUARY.—The mean barometric pressure was 29·16 and the mean temperature 38. The maximum in the sun was 52 degrees. The temperature recorded by the thermometer 4 feet below the surface ranged from 40 to 42 degrees. Rain fell on 22 days out of 29, the total rainfall amounting to 5·95 inches.

FEBRUARY.—The mean barometric pressure was 29·14, and the mean temperature 37. The minimum temperature recorded on the grass was 22 degrees, and the maximum in the sun 56 degrees. The temperature recorded by the thermometer 4 feet below the surface ranged from 39 to 41 degrees. Rain fell on 19 days, the total rainfall for the month amounting to 3·37 inches.

MARCH.—The mean barometric pressure was 29·57 inches, and the mean temperature 40 degrees. The minimum temperature on the grass was 20 degrees, and the maximum temperature in the sun was 66 degrees. The temperature recorded by the thermometer 4 feet below the surface ranged from 39 to 41 degrees. Rain fell on 17 days, the total rainfall being 1·68 inches.



APRIL.—The mean barometric pressure was 29·58 inches, and the mean temperature 41 degrees. The minimum temperature on the grass was 26 degrees, and the maximum temperature in the sun was 78 degrees. The temperature recorded by the thermometer 4 feet below the surface ranged from 41 to 44 degrees. Rain fell on 17 days, the total rainfall amounting to 1·45 inches.

MAY.—The mean barometric pressure was 29·70 inches, and the mean temperature 50 degrees. The minimum temperature recorded on the grass was 26 degrees, and the maximum in the sun 86 degrees. The temperature recorded by the thermometer 4 feet below the surface ranged from 44 to 49 degrees. Rain fell on 9 days, the total rainfall amounting to 2·30 inches.

JUNE.—The mean barometric pressure was 29·78 inches, and the mean temperature 56 degrees. The minimum temperature recorded on the grass was 30 degrees, and the maximum in the sun 84 degrees. The temperature recorded by the thermometer 4 feet below the surface ranged from 49 to 53 degrees. Rain fell on 12 days, the total rainfall amounting to 2·46 inches.

JULY.—The mean barometric pressure was 29·53 inches, and the mean temperature 56 degrees. The minimum temperature recorded on the grass was 40 degrees, and the maximum in the sun 82 degrees. The temperature recorded by the thermometer 4 feet below the surface ranged from 53 to 54 degrees. Rain fell on 23 days, the total rainfall amounting to 5·51 inches.

AUGUST.—The mean barometric pressure was 29·73 inches, and the mean temperature 58 degrees. The



minimum temperature recorded on the grass was 35 degrees, and the maximum in the sun 82 degrees. The temperature recorded by the thermometer 4 feet below the surface ranged from 54 to 55 degrees. Rain fell on 20 days, the total rainfall amounting to 7.18 inches.

SEPTEMBER.—The mean barometric pressure was 29.76 inches, and the mean temperature 56 degrees. The maximum in the sun was 85 degrees. The temperature recorded by the thermometer 4 feet below the surface ranged from 53 to 55 degrees. Rain fell on 7 days, and the total rainfall amounted to .77 inches.

OCTOBER.—The mean barometric pressure was 29.59 inches, and the mean temperature 48 degrees. The maximum temperature recorded in the sun was 69 degrees. The temperature recorded by the thermometer 4 feet below the surface ranged from 49 to 53 degrees. Rain fell on 12 days, and the total rainfall amounted to 1.74 inches.

NOVEMBER.—The mean barometric pressure was 29.63 inches, and the mean temperature 36 degrees. The maximum temperature recorded in the sun was 57 degrees. The temperature recorded by the thermometer 4 feet below the surface ranged from 42 to 48 degrees. Rain fell on 8 days, and the total rainfall amounted to 2.47 inches.

DECEMBER.—The mean barometric pressure was 29.17 inches, and the mean temperature was 39 degrees. The minimum temperature on the grass was 16 degrees, and the maximum in the sun 57 degrees. The temperature recorded by the thermometer 4 feet below the surface ranged from 40 to 43 degrees. Rain fell on 21 days, and the total rainfall amounted to 6.72 inches.

The following table gives the hours of sunshine recorded each month at Strinesdale and other places :—

	Torquay.		Southport.		Strinesdale.
January .....	72·9	.....	44	.....	19·25
February .....	86·1	.....	74	.....	38·10
March .....	131·9	... ..	117	.....	81·50
April .....	149·1	.....	185	.....	125·10
May .....	213·9	.....	259	.....	195·95
June .....	203·8	.....	244	.....	177·50
July .....	216·7	.....	194	.....	105·25
August .. ..	219·7	.....	147	.....	84·55
September .....	192·5	.....	184	.....	136·25
October .....	70·0	.....	73	.....	54·25
November .....	104·5	.....	84	.....	65·75
December .....	43·1	.....	34	.....	10·00
Total ...	1704·2	.....	1639	.....	1093·45

Total amount of Sunshine during the year in Oldham compared with other Towns :—

Town.	Hours.	Town.	Hours.
Manchester .....	1032	Edinburgh .....	1408
Bolton .....	1015	Glasgow.....	1250
Burnley .....	1219	Dublin .....	1168
Oldham .....	1093	Blackpool .....	1725
Hull .....	962	Llandudno .....	1611
Huddersfield .....	1233	Harrogate .....	1475
Bradford .....	1252	Buxton .....	1289
Sheffield .....	1362	Malvern.....	1645
Nottingham .....	1346	Oxford .....	
Birmingham ....	1246	Greenwich .....	



## ATMOSPHERIC POLLUTION.

Towards the end of the year 1914, one of the soot gauges for estimating the amount of atmospheric pollution by the deposit of soot and other substances was installed, but its use had to be discontinued at the end of October in consequence of the analyst leaving for military service. The results of the analyses go to show that Oldham (at any rate in the centre of the town) has a heavier deposit of soot than any of the 37 centres in other towns where there was a similar installation.

The deposits of solids and tar during the first ten months of the year was as follows :—

SOLIDS IN POUNDS PER ACRE.							
	Tar	Combustible Matter			Ash		Total Solids
January .....	2·4	...	50	...	103	...	304
February .....	3·9	...	85	...	156	...	368
March .....	3·4	...	58	...	180	...	324
April ... ..	2·3	...	42	...	153	...	281
May.....	3·8	...	63	...	325	...	442
June .....	2·6	...	55	...	188	...	311
July.....	1·6	...	39	...	87	...	224
August .....	1·2	...	24	...	35	...	125
September .....	1·0	...	36	...	102	...	168
October .....	1·9	...	72	...	145	...	295

There are 4,729 acres in Oldham, and if the above amount of deposit fell on each acre, the total becomes very enormous. Not only does it add considerably to the cost of cleaning when deposited, but the amount suspended in the air will not only intercept a considerable amount of life-giving sunshine, but also have a detrimental effect on the lungs of those breathing it. The deposit contains a high percentage of sulphuric acid and chlorine, which will account for the high corrosion of exposed ironwork in Oldham, and the rapid decay of outside paint work.

## VITAL STATISTICS, 1915.

### SUMMARY.

Population estimated by the Registrar General to  
the middle of the year ... .. 141,781

Births registered in the 53 weeks ending January  
1st, 1916 ... .. Males ... 1,572 } 3,007  
Females ... 1,435 }

Deaths registered in the 53 weeks ending January  
1st, 1916 ... .. Males ... 1,275 } 2,601  
Females ... 1,326 }

Deaths from the seven principal Zymotic diseases... 152

Deaths under 1 per 1,000 Births ... .. 126

Annual Rate of Births per 1,000 living population. 20·8

Annual Rate of Mortality from all causes per 1,000  
living population ... .. 18·0

Annual Rate of Mortality per 1,000 living popula-  
tion from the seven principal Zymotic diseases. 1·0

Of the 2,601 deaths registered during the year 1915,  
613 or 23·6 per cent., were those of children under 5  
years of age.

### PRINCIPAL CAUSES OF DEATHS.

Bronchitis ... ..	335	Debility, &c. ... ..	36
Pneumonia ... ..	230	Cancer ... ..	194
Phthisis ... ..	203	Convulsions ... ..	36
Heart Disease... ..	225	Diarrhoea... ..	49
Measles ... ..	48	Premature Birth ... ..	57
Apoplexy, &c.... ..	179	Whooping Cough ... ..	15
Diphtheria ... ..	20	Accidents... ..	79



TABLE No. 1.  
HOUSES BUILT IN THE BOROUGH.

YEAR.						NO. OF HOUSES BUILT.
March, 1875, to March, 1876	...	...				867
" 1876	"	1877	...	...		1181
" 1877	"	1878	...	...		1010
" 1878	"	1880	...	...		989
" 1880	"	1881	...	...		746
" 1881	"	1882	..	...		738
" 1882	"	1883	...	...		644
" 1883	"	1884	...	...		631
" 1884	"	1885	...	...		737
" 1885	"	1886	...	...		780
" 1886	"	1887	...	...		657
" 1887	"	1888	...	...		711
" 1888	"	1889	...	...		371
" 1889	"	1890	...	...		218
" 1890	"	1891	...	...		214
" 1891	"	1892	...	...		190
" 1892	"	1893	...	...		227
" 1893	"	1894	...	...		362
" 1894	"	1895	...	...		284
" 1895	"	1896	...	...		294
" 1896	"	1897	...	...		360
" 1897	"	1898	...	...		505
" 1898	"	1899	...	...		455
" 1899	"	1900	.	...		608
" 1900	"	1901	...	...		543
" 1901	"	1902	...	...		439
" 1902	"	1903	..	...		375
" 1903	"	1904	...	...		357
" 1904	"	1905	...	...		242
" 1905	"	1906	...	...		185
" 1906	"	1907	...	...		169
" 1907	"	1908	...	...		210
" 1908	"	1909	...	...		283
" 1909	"	1910	...	...		443
" 1910	"	1911	...	...		453
" 1911	"	1912	...	...		283
" 1912	"	1913	...	...		288
" 1913	"	1914	...	...		283
" 1914	"	1915	...	...		234
" 1915	"	1916	...	...		85

TABLE No. 2.

## INFANTILE MORTALITY DURING THE YEAR 1915.

DEATHS FROM STATED CAUSES IN WEEKS AND MONTHS UNDER  
ONE YEAR OF AGE.

CAUSE OF DEATH				Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 1 month	1-3 months	3-6 months	6-9 months	9-12 months	Total deaths under 1 year
All Causes	Certified	...	...	73	18	15	15	121	68	67	61	55	372
	Uncertified	...	...	4	1	...	..	5	4	...	...	...	9
Small-Pox				...	...	...	...	...	...	...	...	...	...
Chicken-Pox				...	...	...	...	...	...	...	...	...	...
Measles				...	...	...	...	...	...	1	2	11	14
Scarlet Fever				...	...	...	...	...	...	...	1	...	1
Whooping Cough				...	...	...	...	...	2	3	1	3	9
Diphtheria and Croup				...	...	...	...	...	...	1	...	1	2
Erysipelas				...	...	...	...	...	...	...	1	...	1
Tuberculous Meningitis				...	...	...	...	...	...	...	...	...	...
Abdominal Tuberculosis				...	...	...	...	...	...	...	...	1	1
Other Tuberculous Diseases				...	...	...	...	...	...	4	1	2	7
Meningitis ( <i>not Tuberculous</i> )				...	...	...	...	...	...	2	1	3	6
Convulsions				5	5	2	1	13	3	3	4	4	27
Laryngitis				...	...	1	...	1	...	1	2	...	4
Bronchitis				1	...	2	...	3	15	6	14	5	43
Pneumonia (all forms)				...	...	...	...	...	2	9	13	10	34
Diarrhoea				...	...	2	1	3	9	6	7	6	31
Enteritis				...	...	1	1	2	2	11	3	1	19
Gastritis				...	...	1	...	1	...	...	1	...	2
Syphilis				...	1	...	...	1	5	1	...	...	7
Rickets				...	...	...	...	...	...	...	...	...	...
Suffocation, overlying				...	...	...	...	...	1	...	...	...	1
Injury at Birth				1	...	...	...	1	...	...	...	...	1
Atelectasis				9	2	...	...	11	...	...	...	...	11
Congenital Malformations				3	...	...	1	4	4	4	1	...	13
Premature Births				39	6	2	6	53	4	...	...	...	57
Atrophy, Debility and				...	...	...	...	...	...	...	...	...	...
Marasmus				4	3	1	5	13	11	7	1	...	32
Other Causes				11	1	3	...	15	10	8	8	8	49
TOTALS.....				77	19	15	15	126	72	67	61	55	381

Nett Births in the Year—Legitimate, 2,853 ; Illegitimate, 154.

Nett Deaths in the year of Legitimate Infants, 339 ;

Illegitimate Infants, 42.



TABLE No. 3.

DEATHS UNDER ONE YEAR OF AGE IN 1915.

Nature of Diseases.	How Fed.					Occupation of Mother.			
	Breast.	Bottle.	Artificial food.	Both Breast and Bottle.	No Food.	Cotton Workers.	Charwoman or Domestic Servant.	Other Occupation.	Housework.
Small Pox .....	...	...	...	...	...	...	...	...	...
Chicken Pox .....	...	...	...	...	...	...	...	...	...
Measles .....	2	10	3	2	...	3	...	...	11
Scarlet Fever .....	...	1	1	...	...	...	...	...	1
Whooping Cough .....	6	3	2	...	...	1	...	...	8
Diphtheria & Croup ..	2	...	...	...	...	...	...	...	2
Erysipelas .....	...	1	...	...	...	...	...	...	1
Tubercular Meningitis .....	...	...	...	...	...	...	...	...	...
Abdominal Tuberculous...	...	1	1	...	...	...	...	...	1
Other Tuberculosis...	...	...	...	...	...	...	...	...	...
Diseases .....	1	5	3	1	...	2	...	...	5
Meningitis (not Tuberculous) ...	4	2	...	...	...	...	1	...	5
Convulsions ...	12	13	4	2	...	3	...	...	24
Laryngitis .....	1	3	1	...	...	...	...	...	4
Bronchitis .....	21	20	5	1	1	8	...	...	35
Pneumonia (all forms)	15	18	5	1	...	5	...	1	28
Diarrhoea .....	7	20	9	4	...	3	1	1	26
Enteritis .....	6	13	3	...	...	3	...	1	15
Gartritis .....	...	2	...	...	...	...	...	...	2
Syphilis .....	5	2	...	...	...	2	1	...	4
Rickets .....	...	...	...	...	...	...	...	...	...
Suffocation, over-lying .....	1	...	...	...	...	...	...	...	1
Injury at birth...	...	...	...	...	1	1	...	...	...
Atelectasis .....	5	1	...	...	5	2	...	...	9
Congenital Malformation .....	8	5	...	...	...	2	2	...	9
Premature Birth .....	14	12	...	1	30	17	...	1	39
Atrophy, Debility, and Marasmus...	8	20	7	...	4	7	1	...	24
Other Causes .....	27	21	3	2	8	6	1	1	50
TOTALS .....	145	173	47	14	49	65	7	5	304

TABLE No. 6.—Showing Population, Births and Birth Rates, Deaths and Death Rates.—1915.

WARD.	Population.	Area in Acres.	Density (Persons to an Acre).	BIRTHS.			Birth Rate per 1,000 Population.	DEATHS.			Death Rate per 1,000 Population.
				Males.	Females.	Total.		Males.	Females.	Total.	
St. Mary's .....	11,102	113	98.2	147	144	291	26.2	99	103	202	18.2
St. Peter's .....	11,510	271	42.5	90	89	179	15.6	99	96	195	16.9
Werneth .....	12,111	262	46.2	115	76	191	15.8	88	90	178	14.8
Westwood .....	15,550	280	55.5	155	140	295	18.9	109	105	214	13.7
St. Paul's ..	15,923	457	34.8	171	168	339	21.3	134	146	280	17.6
Coldhurst .....	10,639	130	81.8	112	103	215	20.2	125	117	242	22.7
Hartford .....	13,352	207	64.5	137	138	275	20.6	118	110	228	17.1
Hollinwood.....	10,367	420	24.7	134	105	239	23.2	76	81	157	15.2
Clarksfield .....	16,338	623	26.2	167	141	308	18.8	113	143	256	15.6
Mumps .....	8,637	125	69.1	85	97	182	21.1	102	94	196	22.7
St. James' .....	11,387	1,015	11.2	114	100	214	18.8	94	90	184	16.2
Waterhead .....	14,128	826	17.2	145	134	279	19.8	118	151	269	19.1
Total.....	141,781	4,729	30.0	1,572	1,435	3,007	20.8	1,275	1,326	2,601	18.0



TABLE No. 7.

Death Rates per 1,000 population in the various Wards, from  
various Diseases.  
1915.

Ward.	All causes	Seven Principal Zymotic Diseases	Phthisis	Bronchitis	Pneumonia	Deaths under 1 year to 1000 births
St. Mary's	18.2	2.1	1.8	2.5	1.5	151
St. Peter's	16.9	0.2	0.9	1.8	1.7	123
Werneth	14.8	1.1	1.4	1.4	1.3	110
Westwood	13.7	0.6	0.8	1.4	1.5	74
St. Paul's	17.6	1.1	1.4	2.7	1.2	112
Coldhurst	22.7	1.0	1.4	3.7	2.1	177
Hartford	17.1	0.9	1.2	2.5	1.6	98
Hollinwood	15.2	0.8	1.4	2.0	1.8	79
Clarksfield	15.6	1.0	1.3	1.6	0.9	136
Mumps	22.7	1.8	2.2	3.7	2.1	181
St. James'	16.2	1.1	1.0	2.1	1.2	135
Waterhead	19.1	0.8	1.6	1.9	1.7	161
Borough ...	18.0	1.0	1.4	2.3	1.6	126

TABLE No. 8.

NAMES OF LOCALITIES.	Borough of Oldham.			
YEAR.	Population estimated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under 1 Year.
1905 .....	140,225	3,396	2,530	508
1906 .....	140,969	3,787	2,641	552
1907 .....	141,730	3,743	2,732	541
1908 .....	142,507	4,089	2,868	646
1909 .....	143,301	3,912	2,717	467
1910 .....	146,700	3,711	2,464	472
1911 .....	147,751	3,491	2,610	556
1912 ... ..	148,840	3,419	2,440	400
1913 .....	149,936	3,465	2,552	483
1914 .....	151,044	3,493	2,694	476
Averages of Years 1905 to 1914 }	145,300	3,650	2,624	510
1915 .....	141,781	3,007	2,601	380

NAMES OF LOCALITIES.		St. Mary's.				St. Peter's.				Werneth.			
YEAR.	Population esti- mated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under 1 Year.	Population esti- mated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under 1 Year.	Population esti- mated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under 1 Year.	
1905 .....	10,761	333	217	48	11,721	221	172	27	12,283	215	185	34	
1906 .....	10,785	333	214	54	11,722	207	166	18	11,322	234	174	29	
1907 .....	10,810	332	218	45	11,723	226	168	19	12,358	279	208	39	
1908 .....	10,835	362	240	56	11,723	238	213	34	12,396	283	221	38	
1909 .....	10,860	347	227	48	11,723	212	196	19	12,436	289	214	31	
1910 .....	10,956	228	201	51	11,562	213	150	26	12,113	254	176	32	
1911 .....	10,994	296	222	56	11,558	189	156	24	12,111	255	176	30	
1912 .....	11,030	332	297	41	11,540	189	202	21	12,111	210	176	30	
1913 .....	11,066	320	194	48	11,522	180	168	21	12,111	257	168	20	
1914 .....	11,102	330	241	48	11,510	172	162	18	12,111	231	191	28	
Averages of Years 1905 to 1914 }	10,919	321	227	49	11,651	204	175	22	12,148	250	188	31	
1915 .....	11,102	291	202	44	11,510	179	195	22	12,111	191	178	21	

		Westwood.				St. Paul's.				Coldhurst.			
1905 .....	13,567	586	241	49	12,498	341	217	49	10,342	213	204	38	
1906 .....	13,705	394	234	41	12,664	376	212	44	10,338	307	237	51	
1907 ..	13,846	381	244	37	12,834	384	234	59	10,334	272	264	43	
1908 .....	13,990	420	271	70	13,008	390	213	49	10,330	337	281	62	
1909 ..	14,130	433	241	44	13,184	379	212	38	10,330	321	266	49	
1910 .....	14,728	442	220	41	14,594	368	222	48	10,570	254	224	46	
1911 .....	14,939	382	241	52	14,940	343	224	48	10,587	294	205	48	
1912 .....	15,149	337	228	37	15,278	369	207	32	10,569	251	238	41	
1913 .....	15,349	363	233	40	15,598	341	217	45	10,604	272	219	40	
1914 .....	15,550	380	245	37	15,923	351	252	51	10,639	282	234	50	
Averages of Years 1905 to 1914 }	14,495	391	239	44	14,052	364	221	46	10,464	280	237	46	
1915 .....	15,550	295	214	22	15,923	339	280	38	10,639	215	242	38	



TABLE No 8—Continued.

NAMES OF LOCALITIES.		Hartford.				Hollinwood.				Clarksfield.			
YEAR.	Population esti- mated to middle of each Year.	Births Registered	Deaths at all Ages.	Deaths under 1 Year.	Population esti- mated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under 1 Year.	Population esti- mated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under 1 Year.	
1905 .....	12,473	306	245	43	9,050	299	186	51	15,550	373	242	59	
1906 .....	12,473	361	260	59	9,150	302	191	55	15,866	387	245	55	
1907 .....	12,473	375	303	60	9,252	286	174	42	16,158	379	228	45	
1908 .....	12,473	336	305	72	9,356	281	160	43	16,454	432	256	63	
1909 .....	12,479	367	263	42	9,476	277	185	38	16,750	392	252	39	
1910 .....	13,170	362	239	41	9,808	270	146	38	15,702	375	291	44	
1911 .....	13,149	310	239	56	9,951	254	184	50	15,861	364	256	50	
1912 .....	13,218	329	251	41	10,093	250	152	31	16,022	352	221	40	
1913 .....	13,285	324	242	48	10,230	273	157	43	16,180	371	255	42	
1914 .....	13,352	316	255	49	10,367	268	155	32	16,338	361	262	43	
Averages of Years 1905 to 1914 }	12,854	338	260	51	9,673	276	169	42	16,091	378	250	48	
1915 .....	13,352	275	228	27	10,367	239	157	19	16,338	308	256	42	
		Mumps.				St. James's.				Waterhead.			
1905 .....	8,308	189	189	34	10,660	243	168	36	12,981	293	241	44	
1906 .....	8,300	216	226	39	10,660	241	191	32	12,982	381	264	66	
1907 .....	8,298	218	231	51	10,660	289	218	41	12,984	334	257	56	
1908 .....	8,298	258	203	36	10,660	277	203	45	12,984	379	268	72	
1909 .....	8,298	213	205	38	10,660	293	237	51	12,984	383	251	41	
1910 .....	8,572	238	169	30	11,166	299	205	40	13,759	338	239	40	
1911 .....	8,589	199	228	48	11,219	269	187	35	13,853	320	267	58	
1912 .....	8,605	198	179	22	11,277	273	188	27	13,948	354	212	34	
1913 .....	8,621	199	198	38	11,332	248	167	30	14,038	295	269	50	
1914 .....	8,637	236	226	45	11,387	261	206	32	14,128	305	265	43	
Averages of Years 1905 to 1914 }	8,452	216	205	38	10,968	272	203	38	13,464	338	253	50	
1915 .....	8,637	182	196	33	11,387	214	184	29	14,128	279	269	45	

TABLE No. 9.—FOR WHOLE DISTRICT.

YEAR.	Population estimated to middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				Total Deaths in Public Insti- tutions in the District.	Deaths of Non- residents in Public Insti- tutions in the District.	Deaths of residents beyond the District.	NET DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		Number	Rate.	Under 1 Year of Age.	At all Ages.		Number				Rate.	
					Number	Rate per 1,000 Births register'd						
1	2	3	4	5	6	7	8	9	10	11	12	13
1905	140,225	3396	24.3	508	150	2639	18.9	469	129	20	2530	18.1
1906	140,969	3787	26.9	552	146	2790	19.8	341	160	11	2641	18.8
1907	141,730	3743	26.5	541	144	2863	20.3	536	152	21	2732	19.7
1908	142,507	4059	28.4	646	159	3022	21.1	580	160	6	2868	20.1
1909	143,301	3912	27.4	467	119	2873	20.1	592	178	22	2717	19.0
1910	146,700	3711	25.2	472	127	2656	18.0	570	199	7	2464	16.7
1911	147,751	3491	24.4	556	159	2755	19.3	560	180	35	2610	18.2
1912	148,840	3419	23.2	400	117	2601	17.4	607	212	51	2440	16.3
1913	149,936	3465	23.2	483	138	2690	18.0	610	191	53	2552	17.1
1914	151,044	3493	23.0	476	136	2850	18.8	636	214	58	2694	17.8
Averages for years 1905-1914	145,300	3647	25.2	510	139	2764	19.1	550	177	28	2624	18.1
1915	141,781	3007	20.8	380	126	2745	19.0	682	209	65	2601	18.0

Area of District in Acres, 4,729.

AT CENSUS OF 1911.—Total population at all ages, 147,495. Number of inhabited houses, 33,415.

Average number of persons per house, 4.41.



TABLE No. 10.

Showing the Birth-rates, also Rates of Mortality from all causes, from the seven principal Zymotic Diseases, and from Phthisis, Bronchitis, and Pneumonia, during the years 1882-1915.

Years	Population	RATES PER 1,000 POPULATION FROM						Deaths under 1 year to 1000 births
		Births	Deaths all causes	7 principal Zymotic Diseases	Phthisis	Bronchitis	Pneumonia	
1882	114,017	35.3	24.9	2.8	2.3	3.4	2.1	182
1883	115,888	36.0	22.5	1.5	2.3	2.9	1.8	159
1884	117,791	37.4	25.9	3.7	2.6	2.8	2.3	182
1885	119,724	37.5	23.2	2.1	2.4	2.7	2.2	167
1886	121,690	34.7	24.2	3.0	2.3	3.1	1.9	175
<b>Average 5 y'rs</b>		<b>36.2</b>	<b>24.1</b>	<b>2.6</b>	<b>2.4</b>	<b>3.0</b>	<b>2.0</b>	<b>173</b>
1887	123,687	33.8	25.8	4.5	2.0	3.2	2.1	187
1888	125,717	33.3	22.3	2.2	1.9	2.6	2.6	151
1889	127,781	31.5	22.7	3.3	1.9	2.8	2.6	178
1890	129,878	31.0	24.4	2.5	2.0	3.4	3.1	180
1891	132,010	30.8	25.6	2.3	1.9	3.7	3.3	193
<b>Average 5 y'rs</b>		<b>32.1</b>	<b>24.2</b>	<b>2.9</b>	<b>1.9</b>	<b>3.1</b>	<b>2.7</b>	<b>178</b>
1892	132,171	29.5	22.3	2.7	2.1	2.8	2.3	177
1893	132,738	29.4	21.6	2.6	1.9	2.3	2.4	186
1894	133,313	28.4	19.4	1.9	2.0	2.1	1.9	162
1895	133,888	29.0	23.1	2.9	1.8	2.7	2.4	190
1896	134,475	29.1	21.6	2.9	1.7	2.5	2.3	183
<b>Average 5 y'rs</b>		<b>29.1</b>	<b>21.6</b>	<b>2.6</b>	<b>1.9</b>	<b>2.5</b>	<b>2.3</b>	<b>180</b>
1897	135,045	28.2	20.7	2.7	1.7	2.0	2.2	183
1898	135,617	27.7	19.2	2.4	1.7	2.1	2.2	174
1899	136,210	27.5	22.7	2.4	1.6	2.8	2.6	198
1900	136,797	27.1	22.0	2.7	1.9	2.8	2.3	173
1901	137,382	24.6	19.7	2.5	1.6	2.2	2.2	173
<b>Average 5 y'rs</b>		<b>27.0</b>	<b>20.9</b>	<b>2.5</b>	<b>1.7</b>	<b>2.4</b>	<b>2.3</b>	<b>180</b>
1902	138,091	26.1	19.1	2.0	1.5	2.1	2.0	148
1903	138,786	25.6	18.6	2.4	1.6	2.4	1.6	160
1904	139,497	24.9	18.3	2.3	1.4	2.2	1.5	155
1905	140,225	24.3	18.1	2.1	1.5	1.9	1.6	150
1906	140,969	26.9	18.8	2.8	1.3	1.7	1.6	146
<b>Average 5 y'rs</b>		<b>25.5</b>	<b>18.6</b>	<b>2.3</b>	<b>1.4</b>	<b>2.0</b>	<b>1.6</b>	<b>152</b>
1907	141,730	26.5	19.3	1.5	1.6	2.5	1.9	144
1908	142,507	28.4	20.1	2.6	1.5	2.2	1.5	159
1909	143,301	27.4	19.0	1.1	1.4	2.2	1.8	119
1910	146,700	25.2	16.7	1.8	1.1	1.7	1.5	127
1911	147,751	24.4	18.2	2.5	1.2	1.7	1.5	159
<b>Average 5 y'rs</b>		<b>26.4</b>	<b>18.6</b>	<b>1.9</b>	<b>1.3</b>	<b>2.0</b>	<b>1.6</b>	<b>141</b>
1912	148,840	22.9	16.3	1.3	1.3	1.8	1.3	117
1913	149,936	23.2	17.1	1.4	1.2	2.0	1.3	139
1914	151,044	23.0	17.8	2.5	1.2	1.9	1.4	136
1915	141,781	20.8	18.0	1.0	1.4	2.3	1.6	126



TABLE No. 11.

Showing the number of deaths from the Seven Principal Zymotic Diseases in the Borough of Oldham, during the years 1878-1915.

Year	Population	Smallpox	Measles	Scarlet Fever	Diphtheria	Whooping Cough	Fever Typhus and Typhoid	Diarrhea	Total Deaths
1878	102,573	1	114	240	26	77	36	93	587
1879	105,679	...	9	136	19	60	25	46	295
1880	108,880	..	96	131	9	70	28	142	476
1881	112,176	9	7	87	10	36	39	69	257
1882	114,017	4	69	58	10	77	26	74	318
1883	115,888	2	6	21	9	38	26	76	178
1884	117,791	..	193	33	7	36	22	149	440
1885	119,724	..	54	20	14	104	18	46	256
1886	121,690	...	89	32	29	57	30	134	371
1887	123,687	...	176	103	62	100	25	89	555
1888	125,717	13	53	66	36	40	24	43	275
1889	127,781	...	126	54	16	127	20	78	421
1890	129,878	...	95	25	6	82	15	96	319
1891	132,010	...	97	25	18	71	27	68	306
1892	132,171	15	139	42	18	68	16	56	354
1893	132,738	65	29	16	16	56	26	140	348
1894	133,313	22	56	21	39	58	15	46	257
1895	133,888	23	97	16	25	57	26	143	387
1896	134,475	...	165	56	34	53	23	72	403
1897	135,045	...	96	21	9	77	19	145	367
1898	135,617	..	87	24	10	65	23	114	323
1899	136,210	..	49	46	21	54	18	138	326
1900	136,797	3	108	54	20	89	17	76	367
1901	137,382	..	73	41	13	30	9	171	337
1902	138,091	7	103	39	49	29	13	42	282
1903	138,786	23	43	30	58	111	12	47	324
1904	139,437	14	70	22	34	37	22	117	316
1905	140,225	5	65	45	11	57	12	98	293
1906	140,969	...	125	33	17	41	6	175	397
1907	141,730	...	35	17	17	66	4	78	217
1908	142,507	...	82	28	23	54	12	174	373
1909	143,301	...	43	16	14	15	12	54	159
1910	146,700	...	84	4	9	77	10	80	264
1911	147,751	...	64	5	11	13	3	260	356
1912	148,840	...	65	7	12	65	...	52	201
1913	149,936	...	38	19	19	36	3	104	219
1914	151,044	...	169	48	39	56	5	69	386
1915	141,781	...	48	17	20	15	4	49	153



TABLE No. 12.

## Weekly Means of Meteorological Observations for the year 1915.

DATE	Barometer reduced to Sea Level at 32.0	Thermometer	HYGROMETER		% of Saturation	TEMPERATURES.							Rainfall 12in. above ground.	Number of Days on which rain fell	Clouds covered = 10 clear = 0	Sunshine recorded at Strinesdale
			Dry	Wet		Maximum in Shade	Minimum in Shade	Maximum in Sun Black Bulb	Maximum in Sun Black Bulb in Vacuo	Minimum on Grass.	Temperature 12in. below surface.	Temperature 4 ft. below surface.				
1915																
	January 2	28.89	38	36	85	42	33	÷	47	÷	35	41	1.68	7	7	2.20
	9	28.94	38	37	91	41	34	÷	46	÷	35	41	2.05	8	8	2.70
	16	29.24	42	40	84	45	38	50	48	37	37	41	2.79	6	9	1.60
	23	29.45	38	36	83	41	34	45	51	29	÷	41	.59	6	8	5.55
	30	29.29	35	34	85	38	32	43	50	27	÷	41	.01	1	9	9.40
February	6	29.23	43	41	85	45	36	48	52	33	÷	40	1.30	5	9	—
	13	28.99	37	36	88	43	33	48	57	29	÷	41	.46	4	8	14.60
	20	28.94	39	37	84	42	33	47	57	30	÷	40	1.40	6	8	11.40
	27	29.40	34	32	71	39	30	43	52	26	÷	40	.34	3	7	11.50
	6	29.40	42	41	92	45	37	49	55	35	÷	39	1.18	7	9	5.60
March	13	29.78	41	39	84	45	36	52	60	31	÷	40	.23	3	9	12.30
	20	29.57	38	36	83	43	35	49	58	33	÷	41	.48	4	9	10.00
	27	29.52	42	42	78	47	35	59	72	30	42	41	.24	4	6	32.50
	3	29.63	39	36	77	42	30	56	65	26	41	41	.30	2	5	21.90
	10	29.16	43	40	75	47	37	57	71	32	43	41	.70	6	8	39.10
April	17	29.82	45	42	78	50	39	60	70	35	44	42	.25	5	8	22.60
	24	29.71	44	41	78	48	38	61	74	34	45	43	.11	3	8	23.90
	1	29.89	52	46	64	57	42	67	79	38	48	43	.11	2	3	39.30
	8	29.63	52	48	76	57	43	68	82	38	50	45	1.04	4	6	36.30
	15	29.76	46	40	61	52	37	64	77	32	50	46	.68	2	7	36.10



July	19 29.93	59	59	51	57	66	47	78	93	41	59	52	—	1	72.30
	26 29.66	59	59	57	88	66	48	76	88	43	59	53	.76	6	31.25
	3 29.59	59	59	57	88	63	53	75	87	49	59	53	2.15	9	17.25
	10 29.70	58	58	56	87	62	52	73	90	48	57	54	1.66	9	17.50
	17 29.43	58	58	55	81	58	50	70	80	44	56	54	1.46	9	12.75
August	24 29.39	58	58	56	87	62	53	70	84	49	56	54	1.01	9	21.00
	31 29.51	58	58	56	87	62	49	74	94	44	56	54	.76	6	49.50
	7 29.47	59	59	57	88	64	53	73	89	48	59	54	1.20	9	9.25
	14 29.82	61	61	59	84	64	54	72	84	50	59	55	3.28	7	17.25
	21 29.74	59	59	55	76	63	52	74	88	46	58	55	1.00	7	15.90
Septem.	28 29.90	59	59	55	76	64	51	78	92	45	58	55	—	8	33.65
	4 29.50	52	52	48	74	57	45	66	81	38	55	55	1.84	8	28.75
	11 29.99	60	60	56	76	65	50	76	89	40	55	54	—	5	45.75
	18 29.83	61	61	57	77	65	54	75	89	47	57	54	.11	7	28.00
	25 29.72	60	60	55	71	64	51	74	87	44	57	54	.40	6	23.25
October	2 29.38	47	47	44	79	53	40	63	75	34	52	54	.17	7	23.50
	9 29.86	52	52	49	80	54	45	62	71	38	50	52	.05	7	15.25
	16 29.68	54	54	52	86	58	48	64	73	41	51	51	.49	9	10.25
	23 29.56	50	50	48	86	53	44	61	70	37	47	50	.01	8	8.25
	30 29.49	45	45	43	85	48	38	53	60	32	47	50	1.02	8	16.00
Novem.	6 29.51	41	41	39	85	46	36	53	65	29	44	48	.19	7	23.75
	13 29.11	42	42	39	78	47	35	50	61	31	43	46	2.27	9	9.00
	20 29.83	34	34	32	79	38	28	42	47	22	40	45	.11	6	17.25
	27 30.08	33	33	31	78	38	27	46	52	22	38	43	—	7	14.50
	4 29.09	38	38	36	83	40	33	41	46	29	37	42	.83	9	1.25
Decem.	11 28.99	43	43	41	85	47	30	48	51	32	39	41	2.57	9	—
	18 29.46	38	38	36	83	41	32	43	47	30	39	41	.98	7	7.00
	25 29.24	40	40	39	92	47	35	45	48	33	39	41	1.25	9	2.20
	1916														
	January 1 29.10	46	46	45	93	49	40	51	56	38	41	41	1.16	9	.80
Means	29.52	48	48	45	79	52	41	61	70	37	49	46	Total 43.33	7	Total 1095.65

÷ Instrument out of Order.



## COUNTY BOR

## Deaths Registered at Several Groups of Ages from Different

CAUSE OF DEATH.	AGES.								
	0 to 1	1 to 2	2 to 5	Total under 5 years	5 to 15	15 to 25	25 to 45	45 to 65	65 and upwards
<i>Classes.</i>									
I.—SPECIFIC FEBRILE, OR ZYMOTIC DISEASES ...	77	50	42	169	38	39	99	109	23
II.—PARASITIC DISEASES ...	1	...	..	1	...	...	...	1	...
III.—DIETETIC DISEASES ...	...	...	...	...	...	...	...	1	...
IV.—CONSTITUTIONAL DISEASES...	...	3	2	5	6	4	27	127	79
V.—DEVELOPMENTAL DISEASES...	77	...	1	78	...	...	...	1	105
VI.—LOCAL DISEASES .....	166	63	53	282	43	46	181	510	424
VII.—DEATHS FROM VIOLENCE	5	1	10	16	11	6	19	19	8
VIII.—DEATHS FROM ILL-DEFINED AND NOT SPECIFIED CAUSES ...	54	7	1	62	3	5	12	22	20
TOTALS .....	380	124	109	613	101	100	338	790	659
I.—SPECIFIC FEBRILE, OR ZYMOTIC DISEASES.									
1. <i>Miasmatic Diseases.</i>									
Smallpox .....	...	...	...	...	...	...	...	...	...
Measles.....	15	19	12	46	2	...	...	...	...
Scarlet Fever .....	1	2	6	9	7	...	1	...	...
Typhus .....	...	...	...	...	...	...	...	...	...
Whooping Cough .....	9	5	1	15	...	...	...	...	...
Diphtheria .....	2	4	8	14	6	...	...	...	...
Simple Continued and Ill-defined Fever .....	..	...	...	...	...	...	..	...	...
Enteric or Typhoid Fever .....	...	...	...	...	...	1	...	2	...
Cerebro-Spinal Fever.....	...	...	...	...	...	1	1	...	...
Tabes Mesenterica .....	1	...	...	1	...	...	...	...	...
Tubercular Meningitis, Hydrocephalus .....	3	7	3	13	9	...	...	...	...
Phthisis .....	3	...	4	7	8	27	76	80	5
Other Forms of Tuberculosis	...	...	...	...	...	...	...	...	...
Scrofula .....	2	4	3	9	5	7	8	11	1
Other Miasmatic Diseases .....	...	...	1	1	..	...	...	...	...
Influenza .....	...	...	1	1	1	1	5	11	14
2. <i>Diarrhoeal Diseases.</i>									
Simple Cholera .....	..	...	..	...	...	...	...	...	...
Diarrhoea Dysentery .....	32	9	3	44	...	...	1	3	1

[o. 15.

OF OLDHAM.

during 52 Weeks ending December 27th, 1915.

WARDS.												
	St. Peter's	Werneth	Westwood	St. Paul's	Coldhurst	Hartford	Hollinwood	Clarksfield	Mumps	St. James'	Waterhead	Public Institutions
3	26	33	32	46	33	46	29	51	41	35	50	106
.	...	...	...	1	...	...	...	...	...	...	1	...
.	...	...	...	...	1	.	...	...	...	..	...	2
4	17	29	18	31	22	16	18	24	15	15	29	73
3	18	13	6	18	16	14	10	23	19	13	21	55
7	126	93	140	158	150	128	91	139	102	105	146	360
5	2	3	7	11	7	12	3	10	7	7	5	63
7	6	7	11	15	13	12	6	9	12	9	17	23
2	195	178	214	280	242	228	157	256	196	184	269	682
8	...	...	...	...	...	...	...	...	...	...	...	...
.	...	4	3	8	6	3	1	3	5	4	3	2
.	...	2	4	3	...	...	1	2	1	...	4	8
4	1	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	2	1	2	2	2	...	...	1	...
.	...	4	2	2	...	...	1	7	1	...	1	6
.	...	...	...	...	...	...	...	...	...	...	...	...
.	...	...	...	...	...	...	1	...	1	...	1	2
1	...	1	...	...	...	...	1	...	...	...	...	...
5	...	2	2	3	1	2	1	...	1	3	2	2
0	10	17	13	22	15	16	15	21	19	12	23	65
4	8	...	4	4	2	6	1	5	1	3	3	9
1	3	...	2	...	3	9	3	5	1	...	...	1
9	2	3	1	2	4	7	2	2	7	9	1	2



TABLE No.

[illegible]

Continued.

WARDS.												
	St. Peter's	Werneth	Westwood	St. Paul's	Coldhurst	Hartford	Hollinwood	Clarksfield	Mumps	St. James'	Waterhead	Public Institutions
...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...
1	...	...	...	...	...	...	...	2	...	...	5	3
...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	1	...	...	1	...	2	...	1	1	1
1	...	...	...	...	...	...	...	...	...	1	...	1
...	...	...	...	...	1	...	...	...	1	...	2	3
...	...	...	...	1	...	...	...	...	...	...	1	...
...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	1	...	...	...	...	...	...	2
...	...	...	...	...	...	...	...	...	...	...	...	...
1	...	1	1	1	...	1	2	...	...	3	...	...
2	...	...	...	3	2	1	...	2	...	1	4	3
...	...	...	...	...	...	...	...	1	...	...	...	...
13	26	15	24	20	13	13	18	12	8	19	65	...
...	...	...	...	...	...	...	...	...	...	...	...	...
1	3	2	1	2	...	1	1	1	1	2	2	2
...	...	...	...	...	...	...	1	...	...	...	4	3



CAUSE OF DEATH.	AGES.								
	0 to 1	1 to 2	2 to 5	Total under 5 years	5 to 15	15 to 25	25 to 45	45 to 65	65 and upwards
<b>V.—DEVELOPMENTAL DISEASES.</b>									
Premature Birth.....	57	...	...	57	...	...	...	...	...
Atelectasis .....	11	...	...	11	...	...	...	...	...
Congenital Malformations...	9	...	1	10	...	...	...	...	...
Old Age .....	...	...	...	...	...	...	...	1	105
<b>VI.—LOCAL DISEASES.</b>									
<b>1. Diseases of Nervous System.</b>									
Inflammation of Brain or Membranes .....	5	2	6	13	2	3	3	4	3
Apoplexy, Softening of Brain, Hemiplegia, Brain Paralysis.	...	1	...	1	...	...	5	75	98
Insanity, General Paralysis of the Insane .....	...	...	...	...	...	...	14	15	13
Epilepsy .....	...	...	...	...	...	2	7	3	1
Convulsions .....	27	6	2	35	1	...	...	...	...
Laryngismus Stridulus (Spasm of Glottis) .....	4	1	...	5	...	...	...	...	...
Poliomyelitis .....	...	...	...	...	...	...	...	...	...
Disease of Spinal Cord, Paraplegia, Paralysis Agitans...	1	...	...	1	...	2	1	2	3
Other Diseases of Nervous System .....	1	...	...	1	...	...	1	2	1
<b>2. Diseases of Organs of Special Sense.</b>									
Of Ear, Eye, Nose .....	...	...	1	1	3	1	..	...	1
<b>3. Diseases of Circulatory System.</b>									
Pericarditis .....	...	...	...	...	1	1	...	...	...
Acute Endocarditis.....	1	...	...	1	3	1	3	9	4
Valvular Diseases of Heart ...	1	...	1	2	8	8	19	47	23
Other Diseases of Heart .....	3	...	...	3	2	4	13	54	42
Aneurism .....	...	...	...	...	...	...	...	...	...
Embolism, Thrombosis .....	...	...	...	...	...	...	1	...	3
Other Diseases of Blood Vessels	...	...	...	...	...	...	3	6	15
<b>4. Diseases of Respiratory System.</b>									
Laryngitis .....	1	1	2	4	...	...	...	...	...
Croup .....	...	...	1	1	...	...	...	...	...
Emphysema, Asthma .....	...	...	...	...	...	...	...	5	3
Bronchitis .....	45	12	11	68	3	...	14	120	130
Broncho-Pneumonia .....	11	11	9	31	4	...	2	9	7
Pneumonia (other forms) .....	21	14	9	44	10	14	30	55	24
Pleurisy .....	...	...	...	...	...	...	2	2	2
Other Diseases of Respiratory System .....	...	...	2	2	...	...	...	4	...

## WARDS.

St. Peter's	Werneth	Westwood	St. Paul's	Coldhurst	Hartford	Hollinwood	Clarksfield	Mumps	St. James'	Waterhead	Public Institutions
6	3	2	8	6	3	2	5	8	4	7	3
...	...	...	2	...	...	...	2	...	2	1	...
...	2	...	...	1	1	1	4	...	...	...	3
12	8	4	8	9	10	7	12	11	7	13	49
1	4	3	2	2	6	1	5	1	...	2	2
19	10	15	22	19	11	12	21	7	15	15	52
5	1	5	2	2	4	1	4	7	3	4	37
1	...	2	2	1	1	...	1	1	...	2	13
1	2	2	7	2	2	4	4	1	1	6	3
...	...	...	2	...	...	...	2	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...
...	...	1	...	2	1	...	2	...	...	1	3
...	1	...	...	...	1	1	...	1	...	...	1
...	...	1	...	1	3	...	...	...	...	...	4
...	...	...	...	...	1	...	1	...	...	...	1
4	1	6	...	3	1	...	3	1	...	1	2
16	6	3	8	6	6	4	11	9	17	17	17
11	8	13	16	12	8	13	8	6	9	9	39
...	...	...	...	2	...	...	...	...	1	...	...
1	...	...	...	2	...	...	...	...	2	...	...
...	2	4	2	3	...	2	3	2	2	2	2
...	...	...	...	...	2	...	2	...	...	...	1
...	...	...	...	...	...	...	...	...	1	...	...
...	...	1	3	1	...	...	...	...	3	...	...
21	17	22	43	40	34	21	26	32	24	27	78
5	3	3	8	3	5	6	3	7	2	5	1
15	13	20	12	20	16	13	12	11	12	19	26
...	...	1	1	...	1	...	...	1	...	1	1
2	2	...	...	...	...	...	...	1	...	...	...



CAUSE OF DEATH.	AGES.								
	0 to 1	1 to 2	2 to 5	Total under 5 years	5 to 15	15 to 25	25 to 45	45 to 65	65 and upwards
<i>5. Diseases of Digestive System.</i>									
Dentition .....	6	7	...	13	...	...	...	...	...
Sore Throat, Quinsy .....	1	...	...	1	1	...	1	...	...
Diseases of Stomach .....	10	3	2	15	...	...	8	11	4
Enteritis .....	15	4	1	20	1	1	...	...	...
Obstructive Diseases of Intestine .....	2	...	1	3	1	...	3	4	2
Hernia .....	...	...	...	...	...	...	1	11	6
Peritonitis .....	...	...	...	...	...	...	3	...	...
Appendicitis and Typhlitis .....	...	...	...	...	2	1	1	3	...
Ascitis .....	...	...	...	...	...	...	...	...	...
Cirrhosis of Liver .....	...	...	...	...	...	...	4	8	2
Jaundice and other Diseases of Liver .....	4	...	...	4	...	...	...	2	...
Other Diseases of Digestive System .....	3	...	...	3	...	...	1	2	2
<i>6. Diseases of Lymphatic System.</i>									
Of Lymphatics and of Spleen..	...	...	...	...	...	...	2	1	...
<i>7. Diseases of Glandlike Organs of Uncertain Use.</i>									
Bronchocele, Addison's Disease .....	...	...	...	...	...	...	...	1	1
<i>8. Diseases of Urinary System.</i>									
Nephritis .....	...	1	2	3	1	5	16	28	12
Bright's Disease, Albuminuria.	...	...	...	...	...	1	8	16	10
Disease of Bladder or of Prostate .....	...	...	...	...	...	...	1	...	7
Other Diseases of the Urinary System .....	1	...	...	1	...	1	4	8	2
<i>9. Diseases of Reproductive System.</i>									
<i>A. Of Organs of Generation.</i>									
Male Organs .....	...	...	...	...	...	...	...	...	...
Female Organs .....	...	...	...	...	...	...	...	...	...
<i>B. Of Parturition.</i>									
Abortion, Miscarriage .....	...	...	...	...	...	1	1	...	...
Puerperal Convulsions .....	...	...	...	...	...	...	2	...	...
Placenta prævia, Flooding .....	...	...	...	...	...	...	2	...	...
Other Accidents of Childbirth.	...	...	...	...	...	...	5	1	...
<i>10. Diseases of Bones and Joints.</i>									
Caries, Necrosis .....	...	...	...	...	...	...	...	...	...
Arthritis, Ostitis, Periostitis...	...	...	...	...	...	...	...	...	...
Other Diseases of Bones and Joints .....	1	...	1	2	...	...	...	1	...





CAUSE OF DEATH.	AGES.								
	0 to 1	1 to 5	2 to 5	Total under 5 years.	5 to 15	15 to 25	25 to 45	45 to 65	65 and upwards
II. Diseases of Integumentary System.									
Carbuncle, Phlegmon .....	...	...	...	...	...	...	...	1	1
Other Diseases of Integumentary System .....	2	...	2	4	..	...	...	...	2
VII.—DEATHS FROM VIOLENCE.									
1. Accident or Negligence.									
Fractures and Contusions.....	1	...	2	3	5	1	4	9	4
Gunshot Wounds .....	...	...	...	...	1	1	3	2	1
Cut, Stab .....	...	...	...	...	...	...	...	...	...
Burn, Scald .....	2	1	7	10	4	1	1	1	1
Poison .....	...	...	...	...	...	...	1	...	...
Drowning .....	...	...	1	1	1	...	2	2	...
Suffocation .....	...	...	...	...	...	1	1	1	2
Otherwise .....	1	...	...	1	...	1	2	...	...
2. Homicide.									
Manslaughter .....	...	...	...	...	...	...	...	1	...
Murder.....	1	...	...	1	...	...	...	...	...
3. Suicide.									
Gunshot Wounds .....	...	...	...	...	...	...	...	...	...
Cut, Stab .....	...	...	...	...	...	...	...	...	...
Poison .....	...	...	...	...	...	...	2	...	...
Drowning .....	...	...	...	...	...	1	1	...	...
Hanging .....	...	...	...	...	...	...	1	2	...
Otherwise .....	...	...	...	...	...	...	1	1	...
VIII.—DEATHS FROM ILL-DEFINED AND NOT SPECIFIED CAUSES.									
Dropsy .....	...	...	...	...	...	...	...	...	...
Debility, Atrophy, Inanition...	31	5	...	36	...	...	...	...	...
Mortification .....	...	...	...	...	...	...	...	2	6
Tumour.....	...	...	...	...	1	...	3	1	...
Abscess.....	..	1	...	1	1	1	1	1	1
Hæmorrhage .....	...	...	...	...	...	...	1	1	...
Sudden Death (cause not ascertained) .....	21	...	1	22	...	1	5	15	6
Causes not Specified or Ill-defined .....	2	1	...	3	1	3	2	2	7

Continued.

WARDS.												
St. Mary's	St. Peter's	Werneth	Westwood	St. Paul's	Coldhurst	Hartford	Hollinwood	Clarksfield	Mumps	St. James'	Waterhead	Public Institutions
...	...	...	1	1	...	...	...	...	...	...	...	...
...	...	...	...	...	3	1	...	1	...	1	...	6
3	1	2	...	...	3	4	1	3	3	4	2	33
...	...	...	2	6	...	...	...	...	...	...	...	...
...	...	...	3	2	1	3	1	3	1	2	2	22
...	...	...	...	...	...	1	...	...	...	...	...	...
1	...	...	...	...	1	2	1	...	1	...	...	1
...	...	...	...	2	1	...	...	2	...	...	...	1
...	1	...	1	...	...	...	...	...	...	1	1	1
...	...	...	...	...	...	1	...	...	...	...	...	...
...	...	...	...	...	...	...	...	1	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...
1	...	...	...	...	1	...	...	...	...	...	...	1
...	...	...	...	1	...	...	...	...	1	...	...	3
...	...	1	1	...	...	1	...	...	...	...	...	1
...	...	...	...	...	...	...	...	1	1	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...
2	2	2	3	3	4	3	2	2	6	3	4	7
...	...	...	1	...	2	1	...	...	1	1	2	6
...	...	1	1	...	...	...	1	2	...	...	...	4
...	1	...	2	...	...	2	...	1	...	...	...	3
...	...	...	...	1	...	...	1	...	...	...	...	...
5	3	1	3	10	6	2	1	3	3	5	7	...
...	...	3	1	1	1	4	1	1	2	...	4	3



TABLE No. 16.  
SCARLET FEVER.

Ages	Cases Reported.	Deaths of such Cases.	
		Total.	Percentage.
Under 5 years ..	163	10	6·13
5 to 10 .. ...	227	3	1·32
10 to 15... ..	67	1	1·49
15 to 25... ..	51	1	1·96
25 to 35 .. ...	16	1	6·25
35 to 45 .. ...	5	...	...
45 to 55... ..	1	...	...
Over 55 .. ...	...	...	...
Total ... ..	530	16	3·02

TABLE No. 17.

## DIPHThERIA.

Ages.	Cases Reported.	Deaths of such Cases.	
		Total.	Percentage.
Under 5 years ...	37	12	32·43
5 to 10... ...	33	7	21·21
10 to 15... ...	6	1	16·66
15 to 25... ...	6	...	...
25 to 35... ...	2	...	...
35 to 45... ...	...	...	...
45 to 55... ...	2	...	...
Over 55... ...	...	...	...
Total .....	86	20	23·25



TABLE No. 18.

## TYPHOID OR ENTERIC FEVER.

Ages.	Cases Reported.	Deaths of such Cases.	
		Total.	Percentage
Under 5 years ...	...	...	...
5 to 10... ..	1	...	...
10 to 15... ..	...	...	...
15 to 25... ..	2	1	50·00
25 to 35... ..	4	1	25·00
35 to 45... ..	2	...	...
45 to 55... ..	2	2	100·00
Over 55... ..	...	...	...
Total ... ..	11	4	36·36

TABLE No. 19.

Showing the number of Cases of Sickness and the Deaths Registered during the several months of the year 1915 in Oldham.

MONTHS.	SMALLPOX.		SCARLET FEVER.		DIPH- THERIA.		TYPHOID FEVER.		PUER- PERAL FEVER.		TYPHUS FEVER		ERYSIPELAS		MEM- BRANOUS CROUP		RELAPSING FEVER		CONTINUED FEVER	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January ...	...	...	40	2	6	4	...	...	1	1	...	...	11	2	...	...	...	...	...	...
February...	1	...	34	1	8	...	1	...	1	...	...	...	15	1	...	...	...	...	...	...
March .....	18	...	40	...	8	1	...	...	2	1	...	...	12	1	...	...	...	...	...	...
April .....	3	...	137	6	5	1	...	...	...	...	...	...	15	1	...	...	...	...	...	...
May .....	...	...	44	1	2	1	...	...	1	1	...	...	7	...	...	...	...	...	...	...
June .....	...	...	51	2	5	2	1	...	1	...	...	...	7	...	...	...	...	...	...	...
July .....	...	...	47	...	6	4	...	...	...	...	...	...	4	...	...	...	...	...	...	...
August ...	...	...	45	1	6	...	...	...	1	1	...	...	12	...	...	...	...	...	...	...
September.	...	...	27	...	12	2	1	...	1	...	...	...	13	...	...	...	...	...	...	...
October ..	...	...	27	3	10	1	...	...	1	1	...	...	15	...	...	...	...	...	...	...
November..	...	...	21	1	7	2	1	...	...	1	...	...	16	...	...	...	...	...	...	...
December..	...	...	17	...	11	2	2	...	1	...	...	...	11	1	...	...	...	...	...	...
Totals ...	22	...	530	17	86	20	11	3	10	6	...	...	138	6	...	...	...	...	...	...



TABLE No. 20.

Cases of Infectious Disease notified during the Year 1915.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.						
	At all Ages.	At Ages—Years.					
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwds
Small-pox .. ..	22	...	1	2	9	10	...
Diphtheria ... ..	86	5	32	39	6	4	...
Erysipelas ... ..	138	2	6	9	7	98	16
Scarlet Fever ... ..	530	3	160	294	51	22	...
Typhus Fever ... ..	...	...	...	...	...	...	...
Enteric Fever .. ..	11	...	...	1	2	8	...
Puerperal Fever ... ..	10	...	...	...	2	8	...
*Phthisis... ..	506	...	...	...	...	...	...
*Ophthalmia Neonatorum...	...	...	...	...	...	..	...
*Infantile Paralysis.	...	...	...	...	...	...	...
*Cerebro Spinal Meningitis .....	4	1	...	1	1	1	...
Totals ... ..	797	10	199	345	77	150	16

\* Not included in Totals.

TABLE No. 20—Continued.

NOTIFIABLE DISEASE.	NO. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY											
	St. Mary's Ward	St. Peter's Ward	Werneth Ward	Westwood Ward	St. Paul's Ward	Coldhurst Ward	Hartford Ward	Hollinwood Ward	Clarksfield Ward	Mumps Ward	St. James's Ward	Waterhead Ward
Small-pox ...	1	1	...	...	...	..	...	...	...	...	16	4
Diphtheria...	3	5	4	2	3	1	2	1	8	...	...	1
Erysipelas...	...	.	1	...	...	1	1	...	...	...	...	1
Scarlet Fev'r	32	2	18	53	58	16	26	6	19	11	23	21
Typhus „	...	...	...	...	..	...	...	...	...	...	...	...
Enteric „	...	...	...	3	...	...	...	...	.	...	1	...
Puerperal „	...	...	...	...	...	...	...	...	...	...	...	...
Measles . .	...	...	...	...	...	...	...	...	...	...	...	...
Totals ...	36	8	23	58	61	18	29	7	27	11	40	27



TABLE No. 20—Continued.

Cases of Infectious Disease notified during the Year, 1915.

NOTIFIABLE DISEASE.	TOTAL CASES NOTIFIED IN EACH LOCALITY.											
	St. Mary's Ward	St. Peter's Ward	Werneth Ward	Westwood Ward	St. Paul's Ward	Coldhurst Ward	Hartford Ward	Hollinwood Ward	Clarksfield Ward	Mumps Ward	St. James's Ward	Waterhead Ward
Small-pox ...	1	1	...	...	...	...	...	...	...	...	16	4
Diphtheria...	6	8	7	6	8	3	11	2	19	8	6	2
Erysipelas...	10	12	12	23	17	14	7	6	11	7	8	11
Scarlet Fev'r	39	11	58	80	125	19	43	22	46	17	33	37
Typhus ,,	...	...	...	...	...	...	...	...	...	...	...	...
Enteric ,,	...	...	...	5	1	...	1	1	...	...	1	2
Puerperal ,,	3	1	1	2	...	...	...	...	...	1	1	1
Totals ...	59	33	78	116	151	36	62	31	76	33	65	57

TABLE No. 22.

Showing the number of new Cases of Sickness coming to the knowledge of the Medical Officer of Health during the years 1884 to 1915.

Year.	Small-pox.	Scarlet Fever.	Diphtheria.	Typhus Fever.	Typhoid Fever.	Puer-peral Fever.	Total Cases.
1884	2	289	20	1	100	...	412
1885	4	229	28	...	58	2	321
1886	5	391	44	12	100	7	559
1887	3	1,775	127	2	119	5	2,031
1888	104	985	86	...	106	3	1,284
1889	1	680	39	...	56	5	781
1890	...	320	11	2	63	7	403
1891	...	238	29	...	112	4	383
1892	75	667	27	...	83	9	861
1893	416	442	25	...	70	9	962
1894	165	264	67	...	69	9	574
1895	137	216	70	...	109	5	537
1896	27	785	61	8	114	17	1,012
1897	...	332	38	2	86	10	468
1898	1	346	39	...	68	20	474
1899	2	822	71	...	92	11	998
1900	8	1065	94	...	72	21	1260
1901	2	679	56	...	40	18	795
1902	178	704	187	...	63	15	1147
1903	256	507	201	...	52	9	1025
1904	255	638	158	...	76	19	1146
1905	281	969	98	...	62	15	1425
1906	455	794	92	...	31	16	1388
1907	...	522	69	...	22	8	621
1908	...	597	89	...	39	21	746
1909	...	522	62	...	35	16	635
1910	2	217	50	...	24	14	307
1911	1	447	87	...	20	19	574
1912	...	366	49	...	18	10	443
1913	8	922	91	...	12	13	1,046
1914	4	1265	164	...	18	9	1,460
1915	22	530	86	...	11	10	659



## SUMMARY OF CASES ADMITTED INTO WEST

	1895		1896		1897		1898		1899		1900		1901		1902		1903	
	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died
Smallpox ...	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles .....	18	5	12	3	43	3	22	6	9	...	2	...	50	6	26	6	18	2
Scarlet Fever	67	5	371	18	140	8	164	14	400	23	585	30	425	27	405	23	250	13
Diphtheria .	...	...	...	...	...	...	1	...	2	...	2	...	...	...	3	...	6	2
Typhus .....	...	...	8	2	...	...	...	...	...	...	1	1	...	...	...	...	...	...
Typhoid Fever.	41	10	27	5	31	6	29	7	34	9	37	9	22	4	22	7	33	8
Simple Con- tinued Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculosis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chicken Pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	134	20	418	28	214	17	216	27	445	32	627	40	497	37	456	36	307	25

No. 21.

HOSPITAL DURING THE YEARS 1895 TO 1915.

1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915
Admitted Died	Admitted Died	Admitted Died	Admitted Died	Admitted Died	Admitted Died	Admitted Died	Admitted Died	Admitted Died	Admitted Died	Admitted Died
...	...	...	...	...	...	...	...	...	...	...
7	7 1	8	53 8	13...	64 3	14 1	21 1	.. ..	47 7	6 1
457 21	424 17	317 12	306 13	312 10	154 6	260 6	242 7	509 10	815 37	364 7
2 1	3 1	5...	5 1	8 2	11 4	25 4	20 5	22 9	46 9	37 6
.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
34 7	18 3	12 2	30 9	20 2	27 8	25 1	18 5	10 ..	24 6	14 1
.. .	.. .	.. ..	.. .	.. .	.. ..	.. ..	.. .	.. .	.. ..	.. ..
...	...	...	...	...	...	...	...	...	1 ..	.. ..
...	...	...	...	2 1	1 1	3	...	1	1	5
...	...	...	...	...	...	...	...	...	105 20	127 22
...	5 ..	...	...	...	...	24...	10 0	4 ..	...	..
...	...	...	...	...	...	...	...	...	1 1	...
500 29	457 22	342 14	394 31	355 15	257 22	351 12	311 18	546 19	1040 80	553 37



TABLE No. 23.

101

Summary of Cases treated in the Cinder Hill and Strinesdale Hospitals during the years 1901 to 1915.

Hospitals.	1901		1902		1903		1904		1905		1906		1907		1908		1909		1910		1911		1912		1913		1914		1915	
	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.
Cinder Hill.....	..	..	9	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	..	..	8	...	4	...	22	...
Oldham Cases	..	..	175	9	278	22	269	13	267	5	414	..	...	...	...	...	...	...	72	3	68	4	70	2	110	1	116	1	99	..
Strinesdale.....	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Oldham Cases	..	..	175	9	255	21	246	13	266	5	413	..	..	..	..	..	..	..	74	..	68	...	67	2	103	...	101	1	82	...
Out-Township Cases	..	..	9	1	24	1	23	...	1	...	1	..	..	..	..	..	..	..	...	...	...	...	3	...	7	...	15	...	17	...
Totals .....	2	...	184	10	279	22	269	13	267	5	414	..	...	...	...	...	...	...	74	3	68	4	70	2	110	1	116	1	99	...

\* Cases of Phthisis.

TABLE No. 24.

## WOMEN INSPECTORS' REPORT.

VISITS, &amp;c., during year ending January 1st, 1916.

	Visits.	Re- Inspect'n.	Nuisances Reported to Chief Inspector.	
Births .....	2,973	1,298	Dirty Houses .....	5
Deaths of Infants .....	339	113	Damp do. ....	2
Workshops .....	79	...	Defective Ventilation ...	2
Shop Hours Acts .....	...	...	Do. Cellars .....	...
Enquiries for Shop Seats .....	...	...	Privy Nuisances .....	...
Infectious Diseases .....	83	17	Overcrowding .....	...
School Notifications ...	1,353	131	Defective Drains .....	...
Special Cases .....	55	3	Do. Slop-pipes .....	...
			Under Workshops and Shop Hours Acts	...
			Other Defects ...	11



TABLE No. 25.

SHOWING THE NUMBER OF WORKSHOPS REGISTERED,  
VISITS MADE, AND DEFECTS REMOVED.

No. of Workshops on Register December, 1914	...	...	...	5296
" " Discontinued during 1915	...	...	...	34
" " Registered during 1915...	...	...	...	32
" " on Register December, 1915	...	...	...	527
" Visits Paid	...	...	...	1177
" Notices Served	...	...	...	216
" " Complied	...	...	...	172
" Visits under Shop Hours Act	...	...	...	72
Re-Inspections of Work in Progress or Under Notice, and including Ashpit work	...	...	...	750
Miscellaneous Visits (to Owners, Agents, &c.), and including Ashpit work	...	...	...	256
Privies Inspected	...	...	...	1696

Nature of Defects.	Notices Served.	Notices complied.
Dirty Workrooms	11	11
Damp, Defective Roof, &c.	4	4
Defective Ventilation	17	13
Defective Water Supply	5	5
Defective Cellars	3	2
Insufficient or no Closet Accommodation	7	...
Defective Closets	3	2
Privy Nuisances	139	119
Defective Drains	10	8
Untrapped Drains	4	4
Defective or Short Slop Pipes	1	1
Fire Escapes	5	2
Accumulations	7	1

32 Tests have been applied to the drains of 15 premises, and  
25 defects discovered.

34 yards of drainage pipes laid, and 4 traps fixed.

TABLE No. 26.

SHOWING THE NUMBER OF BAKEHOUSES REGISTERED,  
VISITS MADE, AND DEFECTS REMOVED.

No. of Bakehouses on Register, December, 1914	...	...	...	359
„ „ discontinued during 1915	...	...	...	24
„ „ registered during 1915	...	...	...	52
„ „ on Register, December, 1915	...	...	...	387
„ Visits paid	...	...	...	1224
„ Notices served	...	...	...	26
„ „ complied	...	...	...	24
Re-inspections of work in progress or under notice	...	...	...	120
Miscellaneous Visits (to Owners, Agents, etc.)	...	...	...	98

Nature of Defects.	Notices Served	Notices Complied
Bakehouses Repaired	2	2
Dirty Bakehouses	6	6
Damp, Defective Roof, etc.	1	1
Defective Ventilation	4	4
Accumulations	...	...
Defective Slop Pipe	2	2
Blocked Drains	1	1
Defective Drains	5	4
Defective Chimneys	5	4

District	No. on Register	Where Baking is Done.					Kind of Oven Used.				
		Living Room	Living Room and Kitchen	Out Kitchen	Cellar	Bakehouse	Ordinary	Special Iron	Gas	Brick	Stove
No. 1	80	31	16	12	6	15	30	45	11	6	..
„ 2	85	31	11	17	8	18	33	47	8	2	1
„ 3	95	18	28	27	4	18	22	55	22	4	1
„ 4	54	19	6	15	4	10	18	29	9	5	1
„ 5	73	27	18	8	2	18	30	42	14	2	1
Totals	387	126	79	79	24	79	133	218	64	19	4



TABLE No. 27.

## RETAIL MILK SHOPS.

No. of Milk Shops on Register, December, 1914...	...	...	...	518
„ „ Discontinued during 1915	...	...	...	183
„ „ Registered „ 1915	...	...	...	112
„ „ on Register, December, 1915...	...	...	...	447
No. of Visits Paid	...	...	...	922
No. of Notices Served	...	...	...	1
No. of „ Complied...	...	...	...	1
Re-inspections of work in progress or under notice	...	...	...	10
Visits to Ice Cream Vendors	...	...	...	202
Notices Served	...	...	...	2
„ Complied	...	...	...	2

TABLE No. 28.

Showing the number of Smoke Observations taken and Inspections of  
Mill Lodges made during the years 1914-1915.

Fortnight ending		SMOKE OBSERVATIONS.		MILL LODGES INSPECTIONS.	
1914.	1915.	1914.	1915.	1914.	1915.
Jan. 3	Jan. 2...	16	14	34	3
„ 17	„ 16	32	26	28	—
„ 31	„ 30..	37	31	190	17
Feb. 14	Feb. 13...	57	47	18	49
„ 28	„ 27...	48	41	200	34
Mar. 14	Mar. 13...	55	51	11	—
„ 28	„ 27...	65	53	91	9
Apr. 11	Apr 10...	49	44	80	8
„ 25	„ 14...	44	23	—	4
May 9	May 8...	63	38	23	4
„ 23	„ 22...	63	57	6	19
June 6	June 5 ..	35	47	20	6
„ 20	„ 19...	67	59	3	31
July 4	July 3...	51	56	23	42
„ 18	„ 17...	42	60	20	22
Aug. 1	„ 31...	34	60	3	6
„ 15	Aug. 14...	11	83	42	10
„ 29	„ 28...	—	67	52	23
Sep. 12	Sep. 11...	24	51	10	10
„ 26	„ 25...	54	76	32	3
Oct. 10	Oct. 9	36	77	29	18
„ 24	„ 23...	56	61	4	37
Nov. 7	Nov. 6...	64	52	63	40
„ 21	„ 20...	36	43	19	9
Dec. 5	Dec. 4...	23	43	—	12
„ 19	„ 18...	19	32	80	13
	„ 31...	—	27	—	14
Totals .....		1081	1319	1081	443



TABLE No. 29.

HALF-HOURLY SMOKE OBSERVATIONS,  
TAKEN DURING 1915.

Total Observations taken.	No Black Smoke.	Under 1 Minute.	One and Under 2 Minutes.	Two and Under 3 Minutes.	3 and 4, both inclusive.	Over 4 Minutes.
1319	592	311	267	96	35	18
Percentage ...	44·9	23·6	20·2	7·3	2·7	1·4

TABLE No. 30.

## LIST OF FIRMS REPORTED TO HEALTH COMMITTEE DURING THE YEAR 1915.

NAME OF MILL	Where Situated	No of Boilers	Length of Boilers	Diameter of Boilers	Coal Consumption Weekly	No. of Boilers Working	Nature of Appliances Fixed.	How disposed of
Werneth Mill No. 2	Henley Street	3	30	8 6	Tons 43	2	Nil	Adjourned—3 months
Vale Mill	Clegg Street	3	30	8 6	53	2	Sanger & Webster's	Fined 40/- and Costs
North Moor Mill	Westhulme Street	4	30	8 0	56	3	Nil	Fined 40/- and Costs
Honeywell Mill	Ashton Road	4	30	8 0	68	3	Caddy's Tubular Bars	Fined 5/- and Costs
Castle Iron Works	Overens Street	2	30	6 6	25	1	Nil	Adjourned—6 weeks
North Street Mill	Grosvenor Street	2	30	7 0	30	2	Nil	Fined 20/-
Spring Hill Mill	Huddersfield Road	1	30	8 0	24	1	Nil	Fined 10/-
Woodstock Mill	nr. Royton Junct.	4	30	8 0	70	3	Nil	Adjourned—6 weeks
Scottfield Mill	Scott Street	2	30	7 0	30	2	Thornton's Smoke Consumer and Broadbent's Louvre Doors on 1	Do Do.
Napier Mill	Atkinson Street	1	30	8 6	40	1	Wilton's Furnaces	Do Do.
Longfield Mill	Bryan Street	3	30	7 6	36	2	Broadbent's Louvre Doors	Cautioned by H.C.
Spring Hill Mill	Huddersfield Road	1	30	8 0	26	1	Nil	Adjourned—6 weeks
Hartford Iron Wks.	Bower Street	7	30	8 0	165	6	Broadbent's Louvre Doors	Do. 3 months
Scottfield Mill	Scott Street	2	30	7 0	31	2	Thornton's Smoke Consumer and Broadbent's Louvre Doors on 1	Do. 6 weeks
Albert Mill	Cromford Street	2	30	8 0	44	2	Nil	Cautioned by H.C.
Castle Iron Works	Overens Street	2	30	6 6	25	1	Nil	Adjourned—2 months
Alma Mill	Scott Street	4	30	7 6	56	4	Nil	Fined 40/-
Darker Mill	Darker Street	4	30	8 6	...	3	Nil	Adjourned—2 months
Copster Mill	Hathershaw	4	30	8 0	...	3	Nil	Fined 25/-
Alexandra Mill	Acre Lane	6	30	8 0	125	6	Broadbent's Louvre Doors	Adjourned—3 months
Vale Mill	Chamber Road	4	30	8 0	70	3	Nil	Cautioned by H.C.
West End Mill	Chadwick Street	3	30	8 0	52	2	Nil	do.
Commercial Mill	Falcon Street	4	30	8 0	54	3	Nil	do.
Albany Mill	Vulcan Street	2	30	7 6	40	2	Broadbent's Louvre Doors	Adjourned—3 months
Iris Mill	Hollins Road	3	32	8 6	85	3	Nil	Cautioned by H.C.
Blackridings Wks.	Milne Street	1	30	8 0	13	1	Nil	Legal Notice Served
Orme Ring Mill	Greenacres Road	3	30	8 6	87	3	Nil	Cautioned by H.C.



TABLE No. 31.

## SMOKE PROSECUTIONS DURING 1915.

No. of Firms Fined.	Amount of Fine.	No. of times previously prosecuted.
1	40/- and Costs	4
1	40/- „	3
1	5/- „	10
1	40/- „	2
1	25/- „	2
1	20/- „	4
1	10/- „	...

TABLE No. 32.

NATURE OF SMOKE APPLIANCES IN USE IN THE  
BOROUGH OF OLDHAM, 1915.

Name of Appliances.	No. of Mills.	No. of Boilers.
Cass's Coking Machines ... ..	1	3
Dyson & Williamson's Coking Machines...	1	3
Williamson's Auto-Coking do. ...	7	14
McDougall's do. ...	1	1
Proctor's do. ... ..	5	16
Meldrum Bros.' Forced Draught Furnace	1	1
Wilton's do. do. ...	2	5
Broadbent's Louvre Air Regulators... ..	14	46
Caddy's Tubular Bars ... ..	2	9
Yates & Thom's Rocking Bars ... ..	1	1
Butterworth's Sectional Bars ... ..	2	8
Holden's Hollow Bars and Dead Plates	1	1
Hollow or Split Bridge Walls ... ..	3	6
Whittle's Steam Injectors ... ..	1	2
Martin's Swing Doors ... ..	1	2
Sanger and Webster's Patent Air Regulators ... ..	8	27
Whitehead's Seating Blocks ... ..	1	1
British Smoke Preventor ... ..	2	9
Green's Smoke Consumer... ..	3	12
Thornton's Smoke Consumer ... ..	3	7
Johnson's Smoke Consumer ... ..	1	4
Benniss' Sprinkling Stoker ... ..	2	4
TOTALS... ..	63	182

Where no Appliances are fixed—112 Mills ; 273 Boilers. There  
are also about 60 Workshop Chimneys not on books.



TABLE No. 33.

SAMPLES OBTAINED UNDER THE "SALE OF FOOD  
AND DRUGS ACT."

Year.	Total.		Milk		Butter.		Bread and Flour.		Other Groceries.		Wines, Spirits and Beer.		Sundries.	
	No. of Samples	Percentage Adulterated	No. of Samples	Percentage Adulterated	No. of Samples.	Percentage Adulterated	No. of Samples.	Percentage Adulterated.	No. of Samples.	Percentage Adulterated.	No. of Samples.	Percentage Adulterated.	No. of Samples.	Percentage Adulterated.
1886	62	9.7	40	5.0	9	1.1	...	...	13	23.1	...	...	...	...
1887	75	8.0	57	8.8	4	...	4	...	6	16.6	4	...	...	...
1888	90	8.9	70	8.6	4	25.0	...	...	4	25.0	8	...	4	...
1889	98	6.1	80	6.2	5	20.0	...	...	4	...	6	...	3	...
1890	98	6.1	75	6.6	7	...	...	...	6	16.6	4	...	6	...
1891	119	5.9	75	4.0	13	23.1	...	...	27	...	4	25.0	...	...
1892	90	1.1	68	1.5	3	...	...	...	7	...	4	...	8	...
1893	106	10.4	84	8.3	7	42.8	...	...	6	...	3	33.3	6	...
1894	139	2.1	83	3.6	18	...	6	...	26	...	3	...	3	...
1895	147	6.1	120	5.0	11	...	...	...	1	...	6	...	9	33.3
1896	154	6.5	138	6.5	9	...	...	...	1	...	6	16.6	...	...
1897	169	3.0	150	2.0	8	25.0	...	...	7	...	...	...	4	...
1898	75	4.0	61	...	14	21.4	...	...	...	...	...	...	...	...
1899	86	4.6	59	1.7	27	11.1	...	...	...	...	...	...	...	...
1900	127	12.6	72	8.3	29	24.1	...	...	8	...	18	16.6	...	...
1901	155	7.1	109	6.9	34	11.8	...	...	8	...	...	...	4	...
1902	174	2.3	118	1.7	26	3.8	...	...	23	4.3	5	...	2	...
1903	201	7.0	149	2.7	20	30.0	...	...	23	8.7	9	22.2	...	...
1904	237	9.7	161	5.0	13	61.5	...	...	41	12.2	22	9.1	...	...
1905	244	5.3	161	5.6	10	30.0	...	...	+53	...	20	5.0	...	...
1906	243	5.8	179	4.5	11	27.3	...	...	21	...	32	9.4	...	...
1907	248	4.0	141	2.1	4	25.0	...	...	36	...	64	9.4	3	...
1908	256	2.0	132	2.3	30	3.3	16	...	62	...	16	6.2	...	...
1909	256	2.7	*104	1.9	*19	...	4	...	*71	...	24	12.5	34	...
1910	257	3.9	117	6.0	20	...	...	...	80	2.5	40	2.5	...	...
*1911	227	3.5	119	6.7	22	...	5	...	50	...	24	...	7	...
*1912	260	2.7	144	2.8	20	10.0	10	...	56	0.5	27	...	3	...
1913	265	3.0	111	4.5	17	17.6	17	...	77	...	36	...	7	...
†1914	284	0.7	129	1.5	19	...	6	...	84	...	36	...	10	...
o1915	163	1.8	55	1.8	22	9.0	22	...	45	...	8	...	11	...

<sup>†</sup> Two of these samples were not taken under the Food and Drugs Act.

\* One do. do. do. do. do.

\* Five informal samples of Milk and 20 samples of Butter were also taken.

\* Three " " 1 each of Butter and Lard were also taken.

|| One informal sample of Milk.

‡ Three informal samples of Butter ; One informal sample of Lard ; Two informal samples of Cream.

o Two informal samples of Butter; Three informal samples of Milk; One informal sample of Cheese.

TABLE No. 34.

## MAGISTERIAL PROCEEDINGS, 1915.

No. of Cases.	Particulars of Complaint.	How Disposed of.	Penalties.		
			£	s.	d.
7	Smoke Cases .....	Three fined 40/- and Costs .....	6	0	0
		One fined 25/- and Costs .....	1	5	0
		One Fined 20/- and Costs .....	1	0	0
		One fined 10/- and Costs .....	0	10	0
		One fined 5/- and costs	0	5	0
7		£	9	0	0



## FOOD INSPECTOR'S REPORT.

Visits to Markets ...	...	...	...	...	...	627
Do. Cattle Wharves...	...	...	...	...	...	727
Do. Meat Shops ...	...	...	...	...	...	9,533
Do. Fish Shops ...	...	...	...	...	...	3,280
Do. Fruit and Vegetable Shops ..	...	...	...	...	...	6,111
Do. Miscellaneous	Do.	...	...	...	...	39

## SLAUGHTER HOUSES.

## VISITS MADE AND DEFECTS REMEDIED.

No. on Register, December, 1914	...	...	...	...	48
No. lapsed during 1915	...	...	...	...	5
No. newly licensed during 1915	...	...	...	...	—
No. on Register, December, 1915...	...	...	...	...	43

Nature of Defects.					Notices Served.	Notices Complied.
Dirty	...	...	...	...	3	3
Defective Floors	...	...	...	...	4	4
Do. Drains	...	...	...	...	1	1
Without Bye-Laws	...	...	...	...	—	—
Do. Name Plate	...	...	...	...	1	1
Accumulation of Refuse	...	...	...	...	3	3
Insufficient Number of Vessels ..	...	...	...	...	1	1
Defective Yards	...	...	...	...	—	—
Insufficient Water Supply..	...	...	...	...	—	—
Defective Ventilation	...	...	...	...	—	—
„ Manure Pit	...	...	...	...	2	2
„ Eaves Gutters	...	...	...	...	1	1

## DAIRIES, AND COWSHEDS.

No. of Dairies on Register, December, 1914	...	...	...	51
No. „ „ „ 1915	...	...	...	51
No. of Cowsheds on Register, December, 1914	...	...	...	105
No. „ „ Lapsed during 1915	...	...	...	—
No. of New Cowsheds Registered during 1915	...	...	...	2
No. of Cowsheds on Register December, 1915	...	...	...	107

Nature of Defects.					Notices Served.	Notices Complied.
Defective Eaves Gutters	...	...	...	...	2	1
Cowsheds Overcrowded	...	...	...	...	—	—
Defective Door...	...	...	...	...	—	—
Do. Ventilation	...	...	...	...	1	1
Do. Drain	...	...	...	...	4	4
Do. Gable End	...	...	...	...	—	—
Keeping Pigs in Cowsheds	...	...	...	...	—	—
Do. Cows in Buildings Not Registered	...	...	...	...	—	—
Defective Roofs	...	...	...	...	2	2
„ Floors	...	...	...	...	—	—
Accumulation of Refuse	...	...	...	...	4	4
Insufficient Water Supply	...	...	...	...	—	—
Dirty	...	...	...	...	1	1
Nuisance from Pig Keeping	...	...	...	...	—	—
Defective Privy	...	...	...	...	1	—

The number of Cowsheds, and the amount of cubic space per head:—

Total number of Cowsheds, 105.						1914.	1915.
						No of Shippons	No. of Shippons.
200 cubic feet and under 300 cubic feet per head						—	—
300	„	„	400	„	„	—	—
400	„	„	500	„	„	—	—
500	„	„	600	„	„	—	—
600	„	„	700	„	„	53	52
700	„	„	800	„	„	16	16
800	„	„	900	„	„	24	26
900	„	„	1000	„	„	8	8
1000	„	„	1100	„	„	2	2
1100	„	„	1200	„	„	2	3
Total						105	107

### SUMMARY.

					Visits paid.	Notices served.	Notices complied with.
Slaughter Houses	...	...	...	...	2906	16	16
Dairies	...	...	...	...	72	4	3
Cowsheds	...	...	...	...	197	11	10

### DISEASED OR UNSOUND FOOD DESTROYED.

						Tons.	Cwts.	Qrs.	Lbs.
7 Oxen	...	...	...	...	...	2	0	1	0
34 Sheep	...	...	...	...	...	0	18	0	14
30 Pigs	...	...	...	...	...	1	11	3	15
5 Calves	...	...	...	...	...	0	2	2	12
1 Ass	..	...	...	...	...	0	3	0	0
Meat	...	...	...	...	...	0	16	1	5
Offal	...	...	...	...	...	6	14	3	10
Fruit	...	...	...	...	...	1	13	2	0
Fish	...	...	...	...	...	0	1	1	0
Preserved Goods	..	...	...	...	...	0	9	2	20
Rabbits	...	...	...	...	...	—	—	—	—
Total						14	11	1	20



The following is a summary of diseased, etc., animals reported to, or found by the Meat Inspector during the year :—

Diseased Conditions.				No. Reported.	No. Found by Inspector.	Total.
Tuberculosis	...	...	...	128	60	188
Damaged or Over-kept Foods	...	...	...	19	10	29
Liver Flukes	...	...	...	—	37	37
Hydatids	...	...	...	1	19	20
Pneumonia	...	...	...	7	1	8
Smothered	...	...	...	26	3	29
Puerperal	...	...	...	1	—	1
Injured in transit	...	...	...	5	—	5
Pyæmia	...	...	...	2	2	4
Parasitic Mange	...	...	...	4	—	4
Suspected Swine Fever	...	...	...	17	—	17

## INSPECTORS' ANNUAL REPORT, 1915.

---

Total Number of Reports of Nuisances and Notices Served...	4237
Total Number of Notices complied with ... ..	3432
Total Number of Notices complied with Order of Committee in 1915 .. .. .	493
Number of Complaints Received and Visited ... ..	749
Re-Inspection of Nuisances under Notice ... ..	12863
Number of Cases dealt with by Health Committee in 1915 ...	600
Number of Cases remaining unabated ... ..	107
Number of Cases dealt with by the Magistrates in 1915 ...	10

---

House-to-House Inspection ... ..	3761
Total Number of Houses Inspected on Complaint .. ..	643
Houses Repaired... ..	280

NUISANCES.	Notices Served.	Notices Complied with
Dirty Houses ... ..	283	256
Damp, Defective Roof, &c.... ..	982	886
Defective Ventilation ... ..	77	62
Defective Cellars ... ..	23	19
Privy Nuisances ... ..	730	669
Defective Water Supply ... ..	79	79
Overcrowding ... ..	23	18
Unfit for Habitation ... ..	13	13



## HOUSES LET IN LODGINGS.

Number of Houses on Register, December, 1914	...	...	...	149
„ „ lapsed during 1915	...	...	...	8
„ „ registered during 1915...	...	...	...	26
„ „ on register December, 1915	...	...	...	171
„ Rooms on register December, 1914	...	...	...	645
„ „ lapsed during 1915	...	...	...	35
„ „ registered during 1915	...	...	...	109
„ „ on register December, 1915	...	...	...	740
Visits paid	...	...	...	749
Notices Served	...	...	...	222
„ complied with	...	...	...	211

NATURE OF DEFECTS	Notices Served	Notices Complied With
Broken Walls, Floors and Ceilings...	57	52
Overcrowding	7	7
Dampness from defective Roof, etc.	26	25
Blocked Drains	12	12
Defective Slop-pipes	2	2
Dirty Walls, Floors, Ceilings, etc....	82	82
Defective Water Closet	18	18
Additional Waste Water Closets provided	2	—
Accumulations of Refuse	10	10
Defective Dust-bin	6	5
	222	213

DRAINAGE DEFECTS.	Notices Served.	Notices Complied with
Blocked Drains ... ..	390	352
Defective Drains ... ..	191	186
Drain inlets untrapped or defectively trapped ..	215	210
Slop Pipe, defective or improperly ventilated... ..	258	251
Defective Water Closets ... ..	89	78
Defective Waste Water Closets... ..	1149	1148
New Water Closets provided ... ..	36	25
New Waste Water Closets .. ...	81	53
Yards and Passages Repaired and Flagged ... ..	87	79
Accumulation of Offensive Matter ... ..	308	256
Manure Heaps... ..	100	92
Defective and Insufficient Dustbins ... ..	396	392

No. of Smoke or other Tests, 264.      No. of Houses Tested, 215.  
 No. of Defects found, 154.      1027 yards of Channel Tiles and Drainage  
 Pipes have been laid or re-laid during the year.  
 Traps fixed, 210.      Ventilating Grids, 9.  
 Houses connected with Main Sewer, 56.

VISITS TO VARIOUS PREMISES.							Notices Served.	Notices Complied with
Bakehouses ... ..	1124	26	24					
Pigsties ... ..	136	1	1					
Tents, Vans, and Sheds ... ..	174	...	...					
Houses let in Lodgings ... ..	7498	222	213					
Offensive Trades ... ..	644	8	8					
Mill Lodges ... ..	443	2	1					
Ice Cream Vendors ... ..	196	2	2					
Milkshops ... ..	922	1	1					
Factories and Workshops ... ..	1173	216	172					
Shop Hours Act ... ..	72	5	3					



## ABOLITION OF ASHPITS.

Notices served for the abolition of 248 Ashpits	...	...	...	...	179
Number of Ashpits abolished during the year	...	...	...	...	335
do.	do.	since November 18th, 1909	...	...	6521
Number of Dustbins provided during the Year	...	...	...	...	711
do.	do.	since November 18th, 1909	...	...	16629

					£	s.	d.
Total Cost of 16413 Dustbins with Covers	...	...	...	...	6147	3	0
do.	216	do.	without Covers	...	64	5	6
Total Cost to date	...	...	...	...	6211	8	6

Inspections under Contagious Diseases (Animals) Act	...	...	...	...	30
Animals destroyed	...	...	...	...	17
Samples taken under Food and Drugs Act	...	...	...	...	163
Informal Samples	...	...	...	...	4
Letters written to Property Owners or Agents, &c.	...	...	...	...	339
Miscellaneous Visits, &c.	...	...	...	...	3611
Privies inspected	...	...	...	...	12299
Samples taken under Rag Flock Act	...	...	...	...	—

Erections in Yards reported	...	...	...	...	...	3
Defective Urinals	...	...	...	...	...	4
Carcases of Animals in Water	...	...	...	...	...	—
Stagnant Water	...	...	...	...	...	—
Manure Pits built	...	...	...	...	...	—
Poultry in Houses	...	...	...	...	...	11
Dust and Fly from Mills	...	...	...	...	...	2
Low or Defective Chimneys	...	...	...	...	...	32
Dangerous Places reported	...	...	...	...	...	54
Coal Gas Nuisances and Escapes reported	...	...	...	...	...	5
Dead Bodies removed to Mortuary	...	...	...	...	...	24
Fire Escapes	...	...	...	...	...	2

Visits to Cases of Infectious Diseases	...	...	...	...	...	1456
Visits to Cases of Phthisis	...	...	...	...	...	116
Cases removed to Hospitals	...	...	...	...	...	—
Houses Stripped or Cleansed after Infectious Disease	...	...	...	...	...	—

## HOUSES AND CLOTHING DISINFECTED.

Number of Houses Disinfected during the year	...	...	...	...	795
Number of Rooms	do.	do.	...	...	2215
Number of lots of Clothing Disinfected during the year	...	...	...	...	949
Number of Articles	do.	do.	...	...	9396
Number of Articles destroyed during the year	...	...	...	...	455

## CLOTHING, &amp;c., 1914-1915.

Articles.	Disinfected.		Destroyed.		Totals.	
	1914.	1915.	1914.	1915.	1914.	1915.
Blankets .....	2653	1866	1	4	2654	1870
Sheets .....	1713	1212	2	8	1715	1220
Pillows .....	2536	1609	37	96	2573	1705
Bolsters .....	1569	817	15	38	1584	855
Quilts.....	1557	740	2	7	1559	747
Mattresses .....	1	5	33	82	34	87
Beds .....	1616	978	101	135	1717	1113
Carpets .....	...	13	...	12	...	25
Rugs .....	2	2	1	...	3	2
Curtains.....	3	113	...	1	3	114
Clothes .....	2249	1708	21	34	2270	1742
Sundry Articles ...	...	333	66	38	66	371
Total ... ..	13899	9396	279	455	14178	9851



## SANITARY DEPARTMENT, 1915.

## RHODES BANK.

Number of Sanitary Pans in the Borough	...	...	...	...	...	3378
Do. Water Closets	do.	...	...	...	...	6890
Do. Waste-water Closets	do.	...	...	...	...	24443
Do. Latrines	do.	...	...	...	...	2916
Do. Houses represented	...	...	...	...	...	36947
Do. Mills, Workshops, &c.	do.	...	...	...	...	582
Do. Churches, Schools, &c.	do.	...	...	...	...	233
Do. Tons of Manure sent out from Higginshaw	...	...	...	...	...	3161

## DESTRUCTORS.

Quantity of Ashes, Fish Offal and Garbage consumed :—							Tons	Cwt.
Rhodes Bank Destructor	...	...	...	...	...	...	14314	5
Robin Hill	„	...	...	...	...	...	7435	2
Hollinwood	„	...	...	...	...	...	7923	19
Total	...	...	...	...	...	...	29673	6
Quantity of Mortar Sold :—							Tons	Cwt.
Rhodes Bank Destructor	...	...	...	...	...	...	1210	5
Robin Hill	„	...	...	...	...	...	336	19
Hollinwood	„	...	...	...	...	...	647	16
Total	...	...	...	...	...	...	2195	0

## FLAG MAKING DEPARTMENT.

Quantity of Flags made							Sq. Yds.
Do. sold	...	...	...	...	...	...	7653
	...	...	...	...	...	...	11626

## CLEANSING (NIGHTSOIL) DEPARTMENT.

Number of Sanitary Pans Emptied during the night	...	...	...	...	...	163275
Do. Cesspools, &c., do.	do.	...	...	...	...	...
Do. Collections of Butchers' Offal during the night	...	...	...	...	...	2995
Do. do. Fish Offal do.	...	...	...	...	...	8458
Do. Loads of Excreta collected	...	...	...	...	...	1921
Do. do. Butchers' Offal collected	...	...	...	...	...	470
Do. do. Fish Offal collected	...	...	...	...	...	876
Do. do. Shoddy Dirt collected	...	...	...	...	...	911

## CLEANSING (ASHES) DEPARTMENT.

Number of Ashpits in the Borough	...	...	...	...	...	1624
Do. Ash Cans, &c. do.	...	...	...	...	...	28784
Do. Ashpits Emptied during the day	...	...	...	...	...	5986
Do. Ash Cans do. do.	...	...	...	...	...	1491224
Do. Loads of Ashes taken to Destructors	...	...	...	...	...	23642
Do. do. do. Corporation Tips	...	...	...	...	...	2176
Do. do. do. Other Tips	...	...	...	...	...	970
Do. do. Clinker removed	...	...	...	...	...	9568
Total No. of Loads removed	...	...	...	...	...	36356