

[Report 1927] / Medical Officer of Health, Oldham County Borough.

Contributors

Oldham (England). County Borough Council. nb2004302054

Publication/Creation

1927

Persistent URL

<https://wellcomecollection.org/works/m7pbh377>

License and attribution

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

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

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



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



COUNTY BOROUGH OF OLDHAM.

REPORT
ON THE
HEALTH OF OLDHAM
FOR THE YEAR 1927.

BY
JAMES B. WILKINSON,
M.D., C.M., D.P.H.

MEDICAL OFFICER OF HEALTH AND TUBERCULOSIS OFFICER
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 ;
FELLOW ROYAL SANITARY INSTITUTE ;
FELLOW INCORPORATED SOCIETY OF MEDICAL OFFICERS OF HEALTH.





COUNTY BOROUGH OF OLDHAM.

REPORT
ON THE
HEALTH OF OLDHAM
FOR THE YEAR 1927,

BY

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

MEDICAL OFFICER OF HEALTH AND TUBERCULOSIS OFFICER
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 ;
FELLOW ROYAL SANITARY INSTITUTE ;
FELLOW INCORPORATED SOCIETY OF MEDICAL OFFICERS OF HEALTH.

72827

MEMBERS of the HEALTH COMMITTEE, 1927

Mr. Councillor T. Wrigley, Chairman.

„ „ Bolton, J.P., Vice-Chairman.

The Mayor, Mr. Alderman Frith, J.P.

Mr. Alderman Low, J.P.

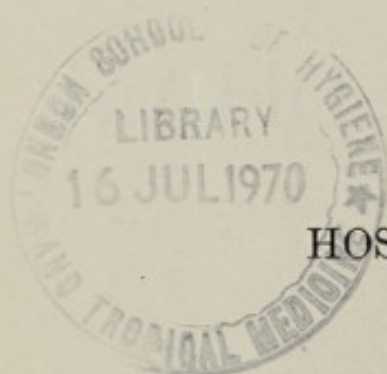
Miss Councillor M. Lees.

Mr. Councillor Ashton, J.P.

„ „ Marsden.

„ „ J. R. Buckley

„ „ W. H. Taylor.



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.*

MISS LEES AND GENTLEMEN,

I herewith submit my Annual Report on the work of the Health Department and Hospitals during the year 1927.

During the year the last Ashpit in the town has been done away with, and the town is now entirely free of two of the most objectionable forms of conveniences, viz.:- Privy Middens and Ashpits. Very few of the larger towns, especially in the Northern Districts can say the same.

The Orthopædic Institute, generously presented by Mr. R. Greenhalgh, has done good work especially in the light treatment of Rickets.

The long desired Maternity Home has been arranged and the reconstruction of the premises at the time of writing has approached completion, and the Operating Theatre at Westhulme Hospital is a further facility and improvement which will shortly be available.

In conclusion, I must express my thanks to the members of the Health Committee for their confidence, and also to the members of my staff for their ready and loyal assistance.

I have the honour to remain,

Your obedient Servant,

JAMES B. WILKINSON,

Health Office,

MEDICAL OFFICER OF HEALTH.

Town Hall,

April, 1928.

INDEX.

	PAGE.
Natural and Social Conditions of the District.....	8
General Provision of Health Services—	
Hospitals	8
Ambulances	11
List of Midwives'	14-15
Public Health Officers of the Local Authority	12
Sanitary Circumstances of the District—	
Water Supply	17
Sewage Works Disposal of Sewage	18-19
Closet Accommodation and Scavenging	20
Water Carriage Department	21
Premises and Occupations which can be Controlled by Bye-Laws and Regulations—	
Lodging Houses, &c.	26-27
Offensive Trades	27
Smoke Nuisances.....	27
Schools	30
Factories and Workshops	28
Theatres, &c.	28
List of Workshops Registered	29
Food—	
Milk Supply.....	36
Slaughter Houses, &c.	36
Sale of Food and Drugs Act.....	36-38
Housing	31-35
Houses Voluntarily Closed, &c.	34
Number of Houses Inspected (House to House)	35
Sanitary Inspection of the Area -	
Report of Chief Inspector.....	23-25
Public Acts and Bye-Laws	16
Prevalence and Control over Acute Infectious Diseases—	
Small-pox	64
Diphtheria	66

	PAGE.
Scarlet Fever	66
Enteric Fever	67
Puerperal Fever	42
Encephalitis Lethargica.....	67
Ophthalmia Neonatorum	45
Venereal Disease.....	58
Tuberculosis	47
General Diseases	69
Prevalence of and Control over Tuberculosis	47-58
Means for Preventing Mortality in Child Birth and in Infancy—	
Infant Welfare.....	39-47
Measures Adopted to Prevent the Spread of Infectious Disease—	
Westhulme Hospital	68
Strinesdale ,,	69
Racefield ,,	69
Vital Statistics of the District—	
Births	72
Deaths	72
Vital Statistics (Summary).....	75
Table No.1—Houses Built	76
,, 2—Infantile Mortality	77
,, 3—Deaths under 1 year from Various Causes	78
,, 6—Population, Birth and Death Rates (Wards)	79
,, 9—Births and Deaths for Borough (10 years)	80
,, 10—Death Rates from Various Causes	81
,, 11—Deaths from 7 principal Zymotic Diseases	82
,, 12—Meteorological Observations	84-85
,, 15—Deaths Classified according to Diseases and Ages	86-90
,, 16—Scarlet Fever Cases and Deaths.....	91
,, 17—Diphtheria do.	92
,, 18—Enteric or Typhoid Fever Cases and Deaths	93
,, 19—Cases of Sickness and Deaths Registered	94
,, 20—Cases of Infectious Disease Reported in Wards	95
,, 21—Cases Admitted into Westhulme Hospital	98
,, 22—Cases of Sickness Reported.....	100
,, 23—Cases Admitted into Small-pox Hospitals	101

	PAGE.
Table No. 24—Lady Inspectors' Report	102
„ 25—Workshops Registered, Visits, &c.	103
„ 26—Bakehouses „ „	104
„ 27—Milk Shops „ „	105
„ 28—Inspection of Mill Lodges, &c.	106
„ 29—Half-Hourly Smoke Observations	107
„ 30—List of Firms Reported to Health Committee	108
„ 31—Smoke Prosecutions	109
„ 32—Smoke Appliances in use	110
Food Inspector's Report	111
Inspectors' Reports and Work done.....	113-115
Houses and Clothing Disinfected	116
Abolition of Ashpits	116
Cleansing Department—Summary	117

Natural and Social Conditions of the Area.

AREA.

The area of the town is given in the Survey Returns as 4,735 Acres.

POPULATION.

Census 1921—144,983 Persons.

This was subsequently altered by the Registrar General to 148,300, by re-allocation of the population from other Towns. It has now been estimated by the Registrar General to be 141,400 for the year 1927. A further total reduction which knowledge of the district contra-indicates.

General Provision of Health Services.

HOSPITALS, &c.

The Hospitals and allied Institutions in the town are practically the same as in the previous year.

(1) THE OLDHAM ROYAL INFIRMARY—This Institution contains 150 beds for in-patients, a large out-patient department, and a fully equipped electrical and orthopædic department. The Venereal Diseases Clinic is at this Institution.

There is invariably a waiting list for admission of in-patients, and a large number attend the out-patient department daily.

(2) THE POOR LAW HOSPITAL—A well-equipped Hospital for Medical, Surgical, and Maternity Cases. Paying Patients are admitted for surgical operations and maternity, the fees being adjusted according to the circumstances of the patient.

(3) A VOLUNTARY NURSING INSTITUTION for the supply of Nurses.

(4) A NURSING HOME—Owing to the generosity of two Ladies in the town, a large house, not occupied since it was used for a hospital during the war, has been given, and is fitted up for the reception of private patients of Medical Men practicing in the town. This Institution was opened during the year and is exceedingly well-equipped, and is a first-class Nursing Home. It is registered as a Nursing Home.

(5) WESTHULME INFECTIOUS DISEASES HOSPITAL—This Hospital consists of three hospital blocks; one of which is used for Scarlet Fever, another for Diphtheria and the third a small isolation block for Typhoid and mixed cases of Infections. There is also a pavilion for 30 cases of Tuberculosis.

(6) TUBERCULOSIS SANATORIUM AT STRINESDALE—The Hospital part of this building has been completed and is now a well-equipped and up-to-date Hospital.

The administrative portion for which plans have been prepared is much needed, but owing to the conditions of trade in the town the erection was again postponed to a more prosperous time.

(7) RACEFIELD HOSPITAL---(Chadderton, Royton and Crompton Joint Hospital Board). This is now the Smallpox Hospital for Oldham, as well as for the above Districts. When not required for Smallpox, it is let to the County Authority for cases of Tuberculosis, and was occupied as such during the whole of the year. When only a small number of cases occur they are isolated at the Hartshead Smallpox Hospital belonging to the Ashton and District Joint Hospital Board.

Racefield is situated in the Urban District of Chadderton, and the Medical Officer is the Medical Officer of Health of that District.

THE CITY OF MANCHESTER is only seven miles distant, and the large Hospitals there are also used to a considerable extent by Oldham people.

MATERNITY HOSPITAL—Arrangements are now well in hand for a Municipal Maternity Home. A large house, standing in its own grounds, has been purchased and is being altered to provide accommodation for 12 or 14 Maternity Cases. It is expected to be ready about September in the present year.

TUBERCULOSIS DISPENSARY (25, Barker Street).—This is provided by the Lancashire County Council and Oldham bears half the cost. The two Authorities use the premises on different days in the week. There are two special rooms reserved for the Nurses and Clerk's use of each authority.

VENEREAL DISEASES CENTRE—This is arranged in connection with the Royal Infirmary, particulars of which will be given under the V.D. Section.

The Centre is staffed by the three Assistant Surgeons of the Institution and by a Male Attendant, Sisters and Nurses.

MATERNITY AND CHILD WELFARE CENTRES—There are six branch centres in the town, each under the control of one of the Health Visitors, and also a Central Institution which is used as a Babies' Clinic as well as a Maternity and Child Welfare Centre. The Assistant Medical Officer visits these Centres in turn. Particulars as to attendances, &c., are recorded under the Section allotted to Maternity and Child Welfare.

DAY NURSERY—There is a voluntary Day Nursery with a maximum of 18 cots, for babies whose mothers are compelled to go out to work. The average number of cots occupied 12 to 13. This is entirely supported by voluntary contributions.

SCHOOL CLINIC—This is arranged at one of the Schools not used as an elementary school in the town, and is open each afternoon and every Saturday morning. The Assistant Schools Medical Officers and the necessary Nurses attend and a very large number of children attend daily. During the year 1,800 children with 15,900 attendances were treated for minor ailments.

There is a well equipped Dental Clinic on the same premises with a full time Dentist and Nurse, and another Dental Clinic similarly equipped in another part of the town.

AMBULANCE FACILITIES—For Infectious Cases two Motor Ambulances are kept at the Infectious Diseases Hospital and a Horse Ambulance is kept for emergencies at the Disinfecting Station. As regards non-infectious cases the Police have three Motor Ambulances at the Central Fire

Station and in addition work one belonging to the Infirmary, also kept at the Fire Station. These Ambulances are available for accidents or the removal of cases of illness at any time during the day or night, and no charge is made for use in such cases.

Public Health Officers of the Local Authority.

The List of the Staff in the various branches of the Public Health Authority, together with their respective duties has been previously given and there has been very little alteration.

The Staff for health purposes besides the Medical Officer of Health consists of the Chief Sanitary Inspector, an Assistant Food and Meat Inspector, and Six District Inspectors, Five Clerks and a Typist.

The Tuberculosis Department comprises One Assistant Tuberculosis Medical Officer, also Deputy Medical Officer of Health, One Clerk and One Nurse.

The Maternity and Child Welfare Department consists of One Assistant Medical Officer, who is resident at the Infectious Diseases Hospital, One Nurse and Assistant at the Central Clinic, Seven Health Visitors and a Girl Clerk.

I much regret losing the assistance of Dr. Georgina Murdoch, who was appointed to a post in Manchester about the end of the year. Her work among the mothers and children in the various centres was most tactfully and

efficiently carried out, and at the Fever Hospital many patients owed their lives to her skilful attendance. Manchester, to the loss of Oldham, have gained a most able officer.

The other change has been the replacement of Inspector Jackson by Inspector Cooper.

The following is a List of the Midwives practising in the Borough at the close of the year. They number 38. Three of them only remain of those who were put on the Roll at the passing of the Midwives Act as being in practice at the time, and all but two of the remainder have passed the examination of the Midwives Board.

LIST OF MIDWIVES.

Name.	Address.	Number of Certificate	Date of Certificate
Bailey, Annie	463, Ashton Road	49570	Nov. /19 (4)
Billington, Annie	21, Stoneleigh Street ...	33601	June 20/1911 (4)
Challinor, Elizabeth	26, Dickenson Street ...	480	Dec. 17/1903
Clegg, Kate.....	11, Featherstall Road S.	38861	Nov. 1913 (4)
Corless, Elizabeth Ellen..	177, Lee Street... ..	10733	Dec. 22/1904 (1)
Costello, A.....	74, Oldham Rd., Royton	42668	June /1915 (4)
Cox, Sarah A.	56, Kirkham Street	3354	Mar. 24/1904 (1)
Dalton, Catherine	12, Charter Street	54723	Mar. 8/1921 (4)
Denton, Jane Ann	113, Ward Street	18831	April 27/1905
Eastwood, Annie	335, Greenacres Road ...	46434	Nov. 10/1917 (4)
Eccles, Leah D.....	49, Prince Albert Street	72684	Feb. 25/28 (4)
Entwistle, Alice	88, Manchester Road ...	70956	May /27 (4)
Fawley, Jemima	86, Brewerton Road ...	56508	Feb. 2/1922 (4)
Fitton, B. E.	29, Burnley Lane, Chadderton	56915	April 19/1922 (4)
Harrington, Mary	Lees Nursing Ass'n. ...	68317	Feb. /26 (4)
Hatch, E.....	245, Ashton Road W., Failsworth...	40388	
Hill, Florence	331, Manchester Road...	36110	June 18/1912 (4)
Hirst, Selina	78, Featherstall Road N.	30202	Feb. 21/1910 (4)
Jenkinson, Mary Alice ...	29, Grasmere Road	48807	May 10/1919 (4)
Jones, Ann	199, Coalshaw Green Rd.	38271	June 16/1913 (4)
Kershaw, Hilda	17, Kersley Street	54887	Aug. 13/1921 (4)
Lees, Eliza	25, Shaw Rd., Royton...	67682	Dec. 12/25 (4)
Mallalieu, Hilda	164, Edge Lane Road ..	44132	
Markwell, Hilda	177, Lee Street.....	61452	Oct. 8/1923 (4)
Mayall, Sarah A.	2, Esther Street	53875	April 13/1921 (4)
McGrath, Margaret	7, Kempsey Street	59476	Feb. 10/1923 (4)
O'Hara, Ellen.....	14, Jackson Street	28117	Feb. 15/1909 (4)
Reeves, Sarah Elizabeth.	176, Garforth Street.....	41891	Feb. 20/1916 (4)
Shaw, Vera.....	720, Oldham Road, Bardsley...	64107	Aug. 9/1924 (4)
Stafford, Martha Ann ...	41, Walker Lane, Springhead...	46268	Aug. 11/1917 (4)
Trevitt, N.	364, Ripponden Road ...	59642	Feb. 10/1923 (4)
Tweedale, Mary Jane ...	194, Littlemoor Lane ...	29713	Oct. 30/1909 (4)

LIST OF MIDWIVES—CONTINUED.

Name.	Address.	Number of Certificate	Date of Certificate
Walker, Alice J... ..	Lees Nursing Ass'n. ...	68062	Dec. 12/25 (4)
Whittaker, Alice.....	61, Kolverlow Street ...	66628	June /1925 (4)
Whyatt, Hannah	6, Prince Albert Street...	11065	Dec. 22/1904
Wild Elizabeth	125, Coppice Street	36297	Aug. /11 (4)
Wilkinson, M. A.	1, Eden Street	62162	Dec. 12/23 (4)
Wood, Eliz. A.	24, Densmore Street, Failsworth...	69400	April /26 (4)

(1) Holds the Certificate of St. Mary's Hospital, Manchester.

(4) Passed the Examination of the Central Midwives' Board.

LEGISLATION IN FORCE.

There are several local Acts of Parliament in force most of which contains Sanitary Enactments.

Parts II., III., and IV., of the Public Health Acts (Amendment Act, 1890) have been adopted ; and also the Notification of Births Act.

There are Bye-laws for—

New Streets and Buildings.

Slaughter Houses.

Common Lodging Houses.

Houses-Let-in Lodgings.

Cowsheds, Dairies and Milk Shops.

Tripe Boilers and Offensive Trades.

Public Baths.

Tents, Vans, Sheds, &c

The Prevention of Spitting, &c.

The old obsolete Bye-laws for New Streets and Buildings have now been replaced by new Bye-laws containing the latest approved conditions applicable to new constructions.

The Bye-laws relating to Houses-Let-in-Lodgings require some amendments.

Sanitary Circumstances of the District.

WATER SUPPLY.

There is no alteration in the water supply of the town from that previously described. The supply is constant and there has been no shortage during the year. Practically no complaints have come to the Health Department. The New Waterworks, at which the work is actively proceeding, are expected to be available next year.

The Water Engineer (Mr. C. J. Batley) has kindly supplied the following statistics of the Service during the year.

Average daily consumption of water

in the supply area for year	1917	5,772,221 galls.
Do. do.	1918	5,219,161 „
Do. do.	1919	5,534,726 „
Do. do.	1920	5,768,824 „
Do. do.	1921	5,287,085 „
Do. do.	1922	5,526,203 „
Do. do.	1923	5,936,134 „
Do. do.	1924	6,350,203 „
Do. do.	1925	6,457,076 „
Do. do.	1926	6,568,994 „
Do. do.	1927	6,651,754 „

Daily quantity of compensation water,

1927	3,033,194 „
------	-----	-----	-----	-----	-------------

Estimated population supplied in 1927	250,965
---------------------------------------	---------

Area of Gathering Ground of Old

Works	5,708 acres
-------	-----	-----	-----	-----	-------------

Total storage capacity of all reservoirs	1,976,000,000 galls.
Available for the domestic supply	1,364,000,000 „
Amount of water in reservoirs at close of year	1,752,244,000 „

At the close of the year the reservoirs contained about $24\frac{1}{2}$ weeks' supply.

The average amount of water used per head per day of the population is about 26·40 gallons.

NEW RESERVOIRS (Oldham)—White Holme and Blackstone Edge.

NEW WORKS—

Area of Gathering Ground, $1,645\frac{1}{2}$ acres.

Area of Reservoirs, 157 acres.

Capacity of Reservoirs (Storage) 547,800,000 gallons.

Amount available for Domestic Supply, 465,106,330 gallons.

Estimated daily supply available for Domestic use, 2,124,167 gallons.

DRAINAGE AND SEWERAGE.

Except for sparsely populated districts, nearly all the inhabited part of the town is either covered with houses or paved, and the drains are connected up to the public sewers.

SEWAGE WORKS.

At the Sewage Works a considerable amount of work has been done in renewing, improving and re-constructing the older Filter Beds, and during the past year three newly reconstructed Contact Beds have commenced work.

The Overflow Weir and Culvert has been completed and was very useful during the storms. The Weir is fixed at seven times the dry weather flow.

A New Electroflow Meter has been fixed for measuring the amount of sewage coming to the works.

Under pressure of the Mersey and Irwell Rivers Board arrangements are being made for the completion of the necessary works by the erection of Storm Tanks and Sludge Lagoons together with larger Detritus Tanks.

When these are completed the arrangements for treating the sewage according to the requirements laid down by the Ministry of Health will have been provided.

The Daily Dry Weather flow is now ascertained to be a little over $4\frac{1}{2}$ million gallons.

The following is the average of the Analyses during the year in grain per gallon :—

	Sewage	Tank Effluent	Final Effluent
Oxygen absorbed four hours	3·81	2·67	0·90
Free Ammonia	2·21	2·08	0·43
Albuminoid Ammonia ...	0·65	0·43	0·19
Chlorine	6·4	6·1	6·0
Nitrates as NH_3	—	—	0·2
Suspended Matter, Mineral	—	—	2·44
Do. Volatile	—	—	3·26

Percentage of Purification—Sewage to Final	...75 $\frac{1}{3}$
Do. —Tanks to Final	...66 $\frac{1}{3}$

9 Samples of Final Effluent were incubated in none of which putrifaction occurred. The Incubator was out of repair a greater portion of the year and a new one had to be purchased.

CLOSET ACCOMMODATION AND SCAVENGING.

The work of converting the pan closets to water closets has proceeded very slowly, mainly owing to financial conditions.

There has during the year been an increase of 67 can closets and an increase of 882 water closets.

I am glad to say there has been a decrease of 23 waste water closets.

The following table indicates the number of the various Sanitary Conveniences in the Borough at the close of each of the last five years :—

	1923	1924	1925	1926	1927
Number of Ashpits in the Borough.....	804	509	252	3	none
„ Ashcans „	31534	32259	33043	33789	34151
„ Sanitary Pans „	2001	1984	1842	1822	1889
„ Water Closets „	8026	8289	8540	8566	9448
„ Waste-water Closets in the Borough	24789	24811	24799	24803	24780
„ Latrines (Clean Water) in the Borough	2953	2953	2953	2953	2953

It will be noted that the town has been free for many years of privy middens and is now entirely free of ashpits.

I have previously expressed the opinion that the incidence of certain diseases and deaths among young children has been considerably reduced by the abolition of the ashpits.

The work of abolishing the ashpits commenced in 1909. The progress was considerably hindered by the war. The total cost of abolition has been £7777 2s. 8d.

The Superintendent of the Cleansing Department has supplied me with the following particulars of the work done in relieving blocked Closets.

It will be noticed what a considerable amount of work is required in connection with waste water closets in removing blockages, adjusting and supplying new tippers, etc.

WATER CARRIAGE DEPARTMENT.

REPORT OF WORK DONE FOR THE YEAR ENDED DECEMBER, 1927.

	W.W.C's	W.C's	Latrines	TOTAL
No. of Blockages cleared ...	6015	135	61	6211
No. of Drains cleared ...	—	—	—	281
Drains found blocked, requiring excavating ...	—	—	—	384
Tippers found not working and re-adjusted ...	—	—	—	61
Tippers, Fittings, &c., found broken ...	—	—	—	814
New Tippers, Fittings, etc., fixed	—	—	—	827
Visits paid Flushing Latrines, &c.	—	—	—	10890

SCAVENGING.

This is entirely carried out by the Carrying and Cleansing Department of the Corporation with their own Staff of Men, Horses, Appliances, &c.

There can be no doubt of the great improvement in the general cleanliness of the town, both in the streets and especially of the back passages and public courts.

REFUSE.

There are three Destructors in the Town :

1 Rhodes Bank ; 2 Robin Hill ; 3 Hollinwood.

The Clinker is used for (1) constructing Filter Beds at the Sewage Works ; (2) for Mortar Making ; (3) for the manufacture of Paving Flags, and the waste heat is used for working machinery and for heating the water at one of the public baths.

Sanitary Inspection of the Area.

The following is the Report of the Chief Sanitary Inspector, and in table 25 and subsequent ones are summarised the number of Visits, Inspections, Notices Served and other details of the work of the Sanitary Inspectors' Department.

15th February, 1928.

REPORT OF THE CHIEF INSPECTOR FOR THE YEAR, 1927.

TO THE MEDICAL OFFICER OF HEALTH.

SIR,

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

Contagious Diseases—We have had no outbreak of Contagious Diseases during the year.

Food Inspection—The visits to premises where food is prepared or deposited for sale, numbered 11,469. As a result of these visits, over 18 tons of diseased or unsound food was destroyed. In one case only was a seizure made, the rest being surrendered by the vendors.

During the year 151 cases of Tuberculosis in Animals were reported, in addition 102 cases were found, making a total of 253 cases, of these 202 occurred in cattle and 51 in swine.

Slaughterhouses—We began this year with 34 Slaughterhouses on the register. During the year two Slaughterhouses were re-licensed.

Dairies and Cowsheds—A thorough inspection of these premises has been made during the year. Every cow found on the premises at the time of inspection were also examined, but none were found suffering from Tuberculosis.

Samples of Food and Drugs—During the year 172 samples were obtained under the Food and Drugs Acts, and 52 samples were purchased informally, a total of 224 samples, which were submitted to the Borough Analyst.

Smoke Inspection—During the year 1490 observations were made. In three cases the limit was exceeded, and in nine cases it was approached and reported to the Medical Officer of Health. The cases where the limit had been exceeded were reported to the Health Committee. In two cases a legal notice was served. In one case proceedings were taken in the Court and a fine was inflicted.

Inspection of Nuisances—During the year 3274 notices were served for the abatement of nuisances, of these 3037 were remedied during the year. In connection with these nuisances 14492 re-visits were paid during the year.

Demolition of Ashpits—During the year 13 Ashpits were demolished, and 6 dustbins substituted. From the 18th November, 1909, 7885 Ashpits have been demolished and 19215 dustbins substituted, at a cost of nineteen shillings and ninepence per Ashpit.

Ashpits—At the end of the year we had only one ashpit in existence, viz., one in Werneth Ward, in connection with two Churches and in this case the bins were supplied some time ago.

Closet Accommodation—The provision of additional Closets for premises insufficiently provided for, has resulted in 92 additional Closets being provided for houses, and 8 additional Closets for workshops.

House Inspection—During the year 4162 houses were inspected under the Housing Acts and 2052 houses under the Public Health Acts, a total of 6214 houses. A notice to cleanse was served on 76 occupiers, all of which were complied with before the end of the year. The number of houses found defective amounted to 2456 under the Housing Act 1925; and 1534 under the Public Health Acts; a total of 3990 houses defective, of these 3823 were repaired during the year. During the year 21 notices were served for overcrowding, 19 of which were complied with before the end of the year.

Houses Let-in-Lodgings—During the year 7328 visits were paid, resulting in the serving of 78 notices to cleanse, or repair, and 6 notices for overcrowding, a total of 84 notices. All these notices were complied with before the end of the year.

Infectious Diseases—The number of visits paid amounted to 628, a decrease of 41 when compared with the previous year. In addition 67 visits were paid to cases of Consumption, for the purpose of arranging for disinfection.

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

I beg to remain,

Yours faithfully,

GEORGE WINTERBOTTOM,

Chief Sanitary Inspector.

Premises and Occupations which can be controlled by Bye-laws and Regulations.

LODGING HOUSES.

Three classes of Houses may be included under this heading.

1. Common Lodging Houses.
2. Houses let as lodgings (weekly lodgers).
3. Furnished rooms.

1. **Common Lodging Houses**—These premises are under the control of the Police, and regularly inspected by a Special Member of the force. The following are particulars of the accommodation : —

Total number of Lodging Houses	...	...	11
Total Nightly Accommodation...	...	...	785
Total Accommodation reserved for Females	...	...	73
No. of Lodging Houses receiving Women only.			2

2. **Houses Let-in-Lodgings**—These differ little from the Common Lodging House except that the occupants are weekly lodgers, many of whom reside in the same home for years. They are inspected at least once a month and are generally clean and in good condition.

3. **Furnished Rooms**—These also come under the above Bye-laws and are all visited at least once a month by a Sanitary Inspector. Their condition varies very considerably, many are kept perfectly clean but others require constant supervision.

For the first time for many years there has been a decrease in the number of houses and rooms of this class. The insanitary area consists very largely of this type of house, and as the inhabitants of this area are removed to the new housing estate, and the houses demolished, there will be a still further reduction. At the close of the year there were on the Register 150 houses compared with 177, and 755 rooms compared with 838 in the previous year.

OFFENSIVE TRADES.

The following is a list of these trades in the Borough. All of them are regularly inspected. They are mostly small businesses and the number remains the same.

OFFENSIVE TRADES.					1926.	1927.
Tripe Boilers	...	..	...	...	8	7
Marine Stores	...	...	...	...	11	12
Grease Works	...	...	...	...	4	4
Gut Scrapers	...	...	...	...	2	2
Hide and Skin Depots	...	...	...	...	2	2
Chemical Works	...	...	...	...	1	1
					—	—
					28	28

SMOKE ABATEMENT.

A larger number of observations were taken during the year than in the previous year and three were found to have exceeded the limit of black smoke allowed. One was prosecuted and a fine of £5 imposed, and in the case of the other two, it being the first offence, the legal notice was served.

I have previously expressed my opinion that no great improvement in the amount of smoke emitted from mill chimneys can be expected until the surrounding districts

are combined and properly qualified smoke inspectors appointed in the whole area, who can go into the boiler-house and indicate the faults whereby black smoke is made.

FACTORIES AND WORKSHOPS.

Factories—The Inspection of Factories is confined to :—

1. The Mill Reservoirs.
2. Smoke observations of the amount of black smoke emitted from the chimneys.
3. The provision of efficient fire escapes, when complained of or reported by the Factory Inspectors.
4. The removal of nuisances complained of or reported by the Factory Inspectors.

Workshops—With regard to the Workshops, these are regularly visited.

604 Visits were paid to these premises during the year and 21 out of the 24 Notices served for defects were compiled with before the close of the year. Particulars of these defects are to be found in Table 25.

At the close of the year there were 455 workshops on the Register. This number shows a decrease of 22 from the previous year.

THEATRES, &c.

The Sanitary conveniences at the various Theatres, Picture Houses, &c., have been regularly inspected throughout the year. They are in good condition.

The following is a list of the Workshops registered :—

Bakers... ..	15	Machine Brokers	3
Blacksmiths	6	Mackintosh Manufacturers ..	1
Blind Manufacturers... ..	1	Mantle Makers	7
Blind Women's Industry ...	1	Marine Stores	5
Bookbinders	3	Milliners	47
Bottlers (Beer)	3	Mineral Water Manufacturers	2
Brass Founders.....	1	Opticians	1
Brush Makers	1	Pattern Makers ..	3
Cabinet Makers.....	5	Picture Framers	3
Carriage Builders	2	Plumbers	10
Cartsheet Manufacturers	1	Printers	3
Cloggers	63	Restaurants	4
Coffin Makers	4	Roller Coverers	2
Coopers	1	Rope Makers	2
Cotton Waste Dealers	26	Saddlers	6
Curriers	3	Saw Cutters	2
Cycle Makers and Motor Engineers	21	Scale Makers	2
Dentists	5	Shirt Makers	1
Drapers (Underwear and Skirts)	1	Shoe Makers	67
Dress Makers	21	Skewer Makers	1
Dyers	1	Skip Makers	6
Drysalters (Chemists)	2	Sugar Boilers	3
Electricians	6	Tailors.....	36
Electro-Platers	1	Tile Fitters	4
Firewood Manufacturers	3	Tinsmiths	16
French Polishers	1	Umbrella Manufacturers	2
Heating Apparatus Manufac- turers	1	Upholsterers	5
Horse-hair Draughter	1	Watch Makers	5
Hosiery & Stocking Knitters	5	Wire Workers	3
Ice Cream Manufacturers ...	4	Wheelwrights... ..	4
Iron Founders	2	Wringing Machine Manufac- turers	3
Joiners	10	Sundry Trades	10
Laundries	13		

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 issued.

The Schools are—

- (a) 37 Elementary Schools.
- (b) A Municipal Secondary School.
- (c) 4 Central Schools.
- (d) 1 School for Mentally Defective Children.
- (e) 1 School for Physically Defective Children.
- (f) 1 School for the Blind.
- (g) 1 School for the Deaf.
- (h) 1 Open Air Residential School for Pre-Tubercular Girls.
- (i) A large Grammar School for both Boys and Girls.
- (j) Several Small Preparatory and Private Schools.

SUMMARY OF HOUSING INSPECTION FOR THE YEAR 1927.

Name of Local Authority—**OLDHAM COUNTY BOROUGH.**

HOUSING CONDITIONS

Year ended 31st December, 1927.

GENERAL STATISTICS.

Area (Acres) 4735.

Population Census 1921, 148,300 ; 1927, 141,400.

Number of inhabited houses (1291) 34,781.

Number of families or separate occupiers (1921) 34,755.

Rateable Value, £839,012 (May, 1928.)

Sum represented by a penny rate. £3,031.

HOUSING.

Number of new houses erected during the year :—

- (a) Total, including numbers given separately under
- (b) 396.

- (b) With State assistance under the Housing Acts:

- (i) By the Local Authority, 84.
- (ii) By other bodies or persons, 290.

1—Unfit Dwelling Houses.

INSPECTION—(1) Total number of dwelling houses inspected for housing defects (under Public Health or Housing Acts), 6,214.

- (2) Number of dwelling houses which were inspected and recorded under the Housing (Inspection of District) Regulations 1910, or the Housing Consolidated Regulations 1925, 4,162.

(3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation, 2.

(4) Number of dwelling houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation, 2456.

2—Remedy of defects without service of formal Notices.

Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authority or their Officers 2,342.

3—Action under Statutory Powers.

(a) PROCEEDINGS UNDER SECTION 3 OF THE HOUSING ACT, 1925.

(1) Number of dwelling houses in respect of which notices were served requiring repairs, 922.

(2) Number of dwelling houses which were rendered fit after service of formal notices, 834.

(a) by owners 832.

(b) by Local Authority in default of owners, 2.

(3) Number of dwelling houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close, Nil.

(b) PROCEEDINGS UNDER PUBLIC HEALTH ACTS.

(1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied 1534.

(2) Number of dwelling houses in which defects were remedied after service of formal notices, 1,481.

(a) by owners, 1,470.

(b) by Local Authority in default of owners, 11

(c) PROCEEDINGS UNDER SECTIONS 11, 14, AND 15 OF THE HOUSING ACT, 1925.

(1) Number of representations made with a view to the making of Closing Orders, 1.

(2) Number of dwelling houses in respect of which Closing Orders were made, 2.

(3) Number of dwelling houses in respect of which Closing Orders were determined, the dwelling houses having been rendered fit, Nil.

(4) Number of dwelling houses in respect of which Demolition Orders were made, Nil.

(5) Number of dwelling houses demolished in pursuance of Demolition Orders, Nil.

Unhealthy Area.—The Smethurst Street Unhealthy Area for which a Scheme was approved after a Public Enquiry in March, 1924, is being dealt with. Several of the houses have now been closed, and the tenants offered accommodation on the new housing site at Greenacres.

Despite many adverse circumstances, lack of furniture, unemployment, unmade roads in the wet season, my experience, gained in the visits to many of these new houses, is that the tenants in the majority of cases are trying to live up to the improved standard which their surroundings allow.

The following houses were voluntarily closed :—
HOUSES VOLUNTARILY CLOSED.

Total Number Closed.	NATURE OF HOUSE.			REASON FOR CLOSING.
	Through	Single.	Back to Back	
4	2	—	2	Pulled down. Site for new Mission.
1	1	—	—	Pulled down for street improvement.

HOUSES CLOSED BY LOCAL AUTHORITY.

No. R'port'd	No. of Houses Closed		No. Ad- journd	Plans to be Sub- mitted	No. De- mol'shed	Houses Demolished	
	By L.A.	By Owner				By Owner	By L.A.
2	2	—	—	—	—	—	—

CLASS OF HOUSES CLOSED.

No. Closed	Through	Single	Under Dwellings
2	2	—	—

Inspection and Supervision of Food.

(A). **Milk Supply**—There are very few dairy farms within the Borough, the total number being 35. These farms comprise of 78 cowsheds. Particulars as to cubic space, &c., will be found in the Summary of the Food Inspector's Report on a later page.

(B). **Meat Supply**—There are 36 Slaughter Houses on the Register. Both these and the Meat and other Food Shops are regularly visited. It was only necessary to serve three Notices during the year for defects, &c., which were complied with. About $18\frac{1}{4}$ tons of unsound food were destroyed during the year.

There is no Public Abattoir in the Town.

SALE OF FOOD AND DRUGS ACT.

The number of samples of different kinds of food purchased under the Food and Drugs Act is tabulated below.

NUMBER OF SAMPLES PURCHASED FOR ANALYSIS UNDER
THE FOOD AND DRUGS ACT.

Informal Samples	Formal Samples	Description of Sample	Genuine	Not Genuine	Summoned before Magistrates	Cautioned by Committee
—	3	Lard	3	—	—	—
—	2	Rice	2	—	—	—
2	3	Butter	5	—	—	—
—	3	Coffee	3	—	—	—
3	150	Milk	149	4	3	1
3	—	Jam	3	—	—	—
—	—	Pepper	—	—	—	—
—	—	Baking Powder	—	—	—	—
12	5	Scotch Whisky	10	7	—	—
12	3	Rum	12	3	—	—
2	1	Margarine	3	—	—	—
—	1	Sago	1	—	—	—
—	1	Tapioca	1	—	—	—
18	—	Sundries... ..	18	—	—	—
52	172		210	14	3	1

Ten samples of Spirits and four samples of Milk were below the standard.

The following are details of the samples found to be below the standard.

No. 7 (Milk) was adulterated with 10·5 per cent. of added water and contained milk fat 3·4 per cent. and non-fatty solids 7·6 per cent.—Night's milk.

No. 8 (Milk) was adulterated with 5·5 per cent. of added water and contained milk fat 3·37 per cent. and non-fatty solids 8·03 per cent.—Morning's milk.

Both these samples were purchased from the same farmer. Legal proceedings were taken, &c., the vendor was fined £3 0s. 0d. and 10/6 Analyst's Fee.

No. 37 (Milk) contained 3 per cent. of added water. The vendor appeared before the Committee and was cautioned.

No. 142 (Milk) was deficient of fat to the extent of 16 per cent. and contained 2·52 per cent. of fat and 8·92 of solids not fat. The vendors were prosecuted and the two members of the firm were fined £5 each with the Analyst's Fees.

No. 167 (Scotch Whisky) contained 10 per cent. excess water. This vendor appeared before the Committee and gave the explanation that the barmaid had been treating her friends and making up the deficiency in water. She agreed to pay £2 2s. 0d. towards the expenses.

No. 169 (Scotch Whisky) contained 4·9 per cent. of excess water. The vendor claimed that he was protected by two small notices which were posted up near the bar.

He was subsequently cautioned and informed that proceedings would be taken in future cases. The size of the letters in the notices were about $\frac{3}{8}$ of an inch.

Nos. 29a, 43a, 49a. These were informal samples of Whisky with a slight excess of water.

Nos. 30a, 38a, 48a. These were informal samples of Rum and contained a slight excess of water.

A letter of caution was sent to each vendor of these samples.

Maternity and Child Welfare.

1. MIDWIVES—

A list of those practising in the town is given on a previous page.

The Superintendent Nurse of the Infant Welfare Centre visits them at regular intervals.

During the year she paid 235 visits in connection with them.

2. HEALTH VISITORS. *General Arrangement.*

Briefly the town is divided into six Districts, each of two wards, and there are six Health Visitors, one in charge of each District. There is in each District one Infant Welfare Centre, open one afternoon each week, under the charge of the Health Visitor.

The Assistant Medical Officer attends each Centre alternate weeks for consultation and advice.

Babies are weighed at their attendances and full records are kept of their progress. During the past year the babies were required to be undressed for weighing, with the exception of those at one Centre where the heating arrangements are unsatisfactory. Unfortunately no more suitable premises are available in the District. All children receiving free Milk Supplies must attend one of the Centres regularly unless prevented by illness and produce their Weighing Card when applying for an extension of the supply. Also no person is allowed to purchase Dried Milk at the Centre unless on the books and in attendance at one of the Centres.

One of the Health Visitors, Nurse Wilkinson, left at the end of the year to be married, and Nurse Owen has taken over her District. Nurse Evans was appointed to succeed the latter.

Nurse Wilkinson was exceedingly popular in her District among the mothers, and while sorry to lose such an efficient worker we wish her every happiness in her future life.

TOWN HALL CENTRE.

The Centre adjoining the Health Office is open all day, and is under the charge of the Superintendent Nurse.

The Assistant Medical Officer attends one morning each week for Ante-natal Work and one or two mornings, and on alternate Monday afternoons for Infant consultations. The Schools for Mothers are held in the afternoons.

Ante-natal Cases are sent to this Centre from the Branch Centres.

There is a gradual increase in the number of Ante-natal cases and in the number of attendances of these cases. When the Maternity Home is opened it seems probable that the Ante-natal work will increase beyond the capacity of the present staff, and additional arrangements will be required.

The attendances at the Infant Clinic, where such minor ailments as do not require medical treatment can be attended to, have increased. Cases requiring medical treatment are sent to the private Medical Attendant or to the Infirmary or elsewhere.

The Dried Milk Supplies are kept at this Centre.

The following are statistics of the work at this Centre—

INFANT WELFARE CENTRE.

	1926	1927
Number of Cases on the Books	548	552
Total Number of Attendances	8700	8793
Number of Meetings	180	180
Average Number at each Meeting	48	49
Average Attendance per Mother	16	16
Number of Ante-natal Cases	84	104
Number of Visits paid by Ante-natal Cases	280	383
Number of Visits paid to Midwives	224	235

INFANT CLINIC.

	1926	1927
Total Visits paid to Clinic for advice ...	1294	1414

SUMMARY OF CASES WHICH ATTENDED AT THE CLINIC.

Disease	No.	Visits to Clinic	Cured	Under Treatment	Improved
Sores... ..	86	151	58	2	10
Septic Umbilicus ...	154	300	112	4	40
Abscess	5	21	2	...	1
Deformities	10	32	1	1	1
Hernia	37	126	19	7	6
Circumcision	10	28	7	...	...
Sore Eyes	7	25	1	2	...
Marasmus	60	267	6	8	30
Skin Eruptions ...	67	207	30	7	17
Ear, Throat & Nose	19	75	5	4	7
Rickets	44	182	...	18	30
Total ...	499	1414	241	53	142

The following are statistics of the termination of the Ante-natal cases attending this Centre :—

No. of Cases...	104
No. of Attendances	383
Average Attendance per Case	3
Normal Confinement	47
Doctor in Attendance at Confinement...	23
Oldham Hospital Cases...	12
Manchester Hospital Cases	4
Stillbirths	1
Cases still attending	37
Visits paid to Midwives	235

BRANCH CENTRES.

The visits made by the Health Visitors during the year were as follows :—

	1926	1927
First Visits to Infants under 1 year	2232	2025
Total Visits to Infants under 1 year	8318	6979
Total Visits to Children 1 to 5 years	9478	8675
First Visits to Expectant Mothers	856	282
Total Visits to Expectant Mothers	1042	369
Visits to Ophthalmia Cases	17	18
„ Puerperal Fever and Pyrexia	16	14
„ Measles	1616	408
„ Whooping Cough	886	68
„ Chicken Pox	619	39
„ Infant Deaths	191	170
„ Sundry Enquiries	469	625
Total Visits to Infectious Cases	3150	4200

The following Table gives an indication of the attendance of the Mothers and Infants at the various Centres :—

	Hollin- wood Centre	Bent House	Overens Street	Fisher Street	Copster Hill	Ripp'nd'n Road	Total
No. on Books ...	77	92	102	104	94	78	547
Attendances—							
Mother & Child	1163	1352	1946	1988	1690	1412	9551
Av. Attendance	28	30	44	45	38	33	36
Av. Attendance per Mother ..	15	15	19	19	18	15	17
No. of Meetings	42	45	45	44	44	43	263

Expectant Mothers are sent to the Town Hall Centre.

INFANTILE MORTALITY.

In the town there were 166 deaths under the age of one year among the babies legitimately born, giving an infantile mortality rate of 82 per 1,000 births. Among the illegitimate children there were 15 deaths, giving a rate of 150 per 1,000.

The causes of Infant Deaths during the past five years were as follows :—

	1923	1924	1925	1926	1927
Infectious Diseases	26	18	4	25	7
Premature Births	46	60	53	42	46
Atrophy, Debility & Marasmus	56	41	44	39	19
Diarrhoea & Digestive Diseases	29	30	8	22	14
Tubercular Diseases	4	5	3	2	2
Respiratory Diseases	63	65	35	66	27
Convulsions	14	13	11	13	12
Syphilis	7	4	4	8	4
Other Causes	44	39	72	32	49
Total	289	275	236	249	180

The Infantile Mortality rate in the various Wards in actual Residents was as follows :—

WARDS	No. of Births	Birth Rate	No of Deaths under 1 yr.	Rate per 1000 births
Clarksfield	216	13·6	14	65
Hollinwood	174	17·6	19	109
St. Paul's	190	12·7	22	116
Werneth	125	10·4	6	48
St. Peter's	119	10·3	10	84
St. Mary's	159	14·4	15	94
Westwood	325	21·8	14	43
Waterhead	193	13·9	14	72
Mumps	148	17·3	24	162
St. James's.....	129	11·5	12	93
Hartford	170	12·9	15	88
Coldhurst	147	13·9	16	109
Borough	2095	14·6	181	86

From the above table it will be noted that Mumps, one of the most congested Wards of the town, has its usual high Infantile Mortality Rate. Coldhurst Ward, in which the condemned insanitary area is situated, has also a high rate. St. Paul's usually has a low rate, in 1926 only 79, has this year a high rate.

MATERNITY DEATHS.—There were 23 deaths due to conditions connected with childbirth. Seven of these were due to Sepsis and the remainder to various accidents of childbirth. There were 14 cases of Puerperal Fever and 8 of Puerperal Pyrexia notified during the year.

NOTIFICATION OF BIRTHS.—Out of the total number of Births 1,576 were notified by Midwives and 439 by Parents and Doctors. This gives a percentage of 96 per cent. of Births notified. The Stillbirths notified numbered 134.

FREE MILK.—Owing to the continued broken time and unemployment during the year, due to trade conditions, the applications for a Free Milk Supply have been very numerous. Regular attendance at one of the Welfare Centres is always required where Free Milk is granted, except in cases of illness.

In addition to Milk; Virol, Cod Liver Oil, &c., are supplied to those who cannot obtain it when prescribed by the Medical Officer of the Welfare Clinic.

The cost of Dried Milk and those Articles supplied free during the year was £250 3s. 6d.

The cost of the Milk supplied by Farmers and Dairymen during the year was £488 11s. 0d.

MEDICAL AID was sought by Midwives in 309 cases compared with 340 in the previous year, and 110 claims were made by the Doctors summoned, for fees amounting to £172 18s. 6d. Unemployment and short time has considerably reduced the amounts which ought to have been repaid.

The repayments during the financial year amounted to £181 9s. 0d., compared with £59 13s. 9d., in the previous year. This sum includes repayments for claims made in previous years.

OPHTHALMIA NEONATORUM.—Seventeen cases were notified during the year. Two were Out-District cases from the Oldham Union.

Every case except those in Hospital is at once visited by a Health Visitor and a special enquiry at the close of the year gives the following results in the Oldham cases :

Attended at confinement by Midwives	...	13
" " Doctors	... ..	4
Vision Unimpaired	... ..	13
Vision Impaired Slightly	... ..	1
Vision Impaired Severely	... ..	0
Blind	... ..	0
Died from other causes	... ..	2
Still under Treatment	... ..	0
Treated at Hospital	... ..	3
Treated by Private Practitioners	... ..	13
Removed from District	.. ..	1

The two deaths which occurred among these cases were certified as due to Congenital Syphilis.

Each certified Midwife is supplied with Argentum Collosol for application to the eyes of the newly born.

During the winter the usual course of Lectures was given to the Midwives in the town and the Nursing Staff. There is a good attendance at these Lectures which seem to be much appreciated.

LECTURE I. December 2nd—"Some Causes of the Failure of Breast Feeding."

Dr. MURDOCH, M.B., Ch.B., D.P.H.
Assistant Medical Officer of Health.

LECTURE II. December 16th—"Clean Milk."

Dr. GRAHAM, M.B., Ch.B., D.P.H.
Assist. Medical Officer of Health and Assist. Tub.
Officer, Oldham.

LECTURE III. January 13th—"Prevention and Treatment of Common Deformities."

Mr. POSTON, M.B., B.Ch., B.A.O.
Surgeon, Ancoats Hospital, Manchester.

LECTURE IV. **January 27th—"The Premature Child "**

Dr. CATHERINE CHISHOLME, B.A., M.D., Ch.B.
Hon. Physician, Northern Hospital and Babies'
Hospital, Manchester.

LECTURE V. **February 10th—" Treatment of Tuberculosis Joints."**

Mr. POSTON, M.B., B.Ch., B.A. O.
Surgeon, Ancoats Hospital, Manchester.

LECTURE VI. **February 24th—" Convulsive Disorders in Infancy."**

Dr. KING-MAY ATKINSON, M.B., Ch.B.
Hon. Assist. Medical Officer, Manchester Royal Infirmary.

Public Health (Prevention of Tuberculosis) Regulations.

No alteration in the scheme or method of working was instituted during the year. The scheme has been fully detailed in previous reports.

The following tables, in the form prescribed by the Ministry of Health, give a summary of the cases and work of the Department during the year.

Summary of Notifications during the period from 2nd January, 1927, to the 31st December, 1927,
in the County Borough of Oldham.

NOTIFICATIONS ON FORM A.													NUMBER OF NOTIFICATIONS ON FORM C.		
Age-periods	Number of Primary Notifications.												Total Notifications on Form A.	Poor Law Institutions	Sanatoria
	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	65 and upwards	Total Primary Notifications			
	Pulmonary Males ...	1	2	4	10	6	10	17	23	28	5	1				107	115	7	(88)
" Females ...	1	...	6	5	11	10	12	13	10	2	1	71	75	5	(61)
Non-pulmonary Males ...	1	3	8	7	6	4	2	1	1	1	...	34	36	5	(7)
" Females ...	...	6	5	8	5	2	3	4	2	...	...	35	36	3	(10)

SUPPLEMENTAL RETURN.

New cases of Tuberculosis coming to the knowledge of the Medical Officer of Health during the period from the 2nd January, 1927, to the 31st December, 1927, otherwise than by notification on Form A or B under the Public Health (Tuberculosis) Regulations, 1912.

Age-Periods	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	65 and upwards	Total Cases
Pulmonary Males	1	...	...	...	2	2	2	1	...	6
" Females	1	1	2	...	...	4
Non-Pulmonary Males	1	...	...	...	...	1	1	...	...	...	3
" Females	1	1	...	...	1	...	...	...	...	3

The source or sources from which information as to the above-mentioned cases was obtained should be stated below:—

Death Returns " Inward " Transfers Other Sources, viz : (Notified after death	SOURCE OF INFORMATION.		No. of Cases.	
	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary
...	7	6
...	1	...
...	2	...

TABLE I.

Return showing the work of the Dispensary during the year 1927.

DIAGNOSIS.	PULMONARY.			NON-PULMONARY.			TOTAL.		
	Adults		Children	Adults		Children	Adults		Children
	M.	F.	M.	F.	M.	F.	M.	F.	M.
A.—NEW CASES examined during the year (excluding contacts):—									
(a) Definitely tuberculous	64	36	7	6	11	11	75	47	20
(b) Doubtfully tuberculous	—	—	—	—	—	—	16	9	7
(c) Non-tuberculous	—	—	—	—	—	—	49	30	44
									65
B.—CONTACTS examined during the year :—									
(a) Definitely tuberculous	5	9	2	—	—	2	5	11	4
(b) Doubtfully tuberculous	—	—	—	—	—	—	1	1	2
(c) Non-tuberculous	—	—	—	—	—	—	3	8	33
									52
C.—CASES written off the Dispensary Register as—									
(a) Cured	—	—	—	1	6	5	6	5	15
(b) Diagnosis not confirmed or non-tuberculous (including cancellation of cases notified in error)	—	—	—	—	—	—	58	45	82
									125
D.—NUMBER OF PERSONS on Dispensary Register on December 31st :—									
(a) Diagnosis completed	352	167	36	42	79	81	431	248	105
(b) Diagnosis not completed	—	—	—	—	—	—	3	—	—
									92
									1

The four cases shown under D (b) Diagnosis not completed and also under A (b) had not been on the Dispensary Register for one month on 31st December, 1927.

Item A (a) included two cases previously removed from the Dispensary Registered as "Cured." One a male adult, previously a Bones and Joints case come on again as T.B. Minus and died during the year. The other a female adult, previously a Peripheral Glands case is now on the Dispensary Register as T.B. Minus.

Table 1—continued.

1. Number of persons on Dispensary Register on January 1st	854	9. Number of patients to whom Dental Treatment was given, at or in connection with the Dispensary	Nil
2. Number of patients transferred from other areas and of "lost sight of" cases returned	14	10. Number of consultations with medical practitioners:— (a) At Homes of Applicants (b) Otherwise	12 251
3. Number of patients transferred to other areas and cases "lost sight of" ...	72	11. Number of other visits by Tuberculosis Officers to Homes	106
4. Died during the year	91	12. Number of visits by Nurses or Health Visitors to Homes for Dispensary purposes	744
5. Number of observation cases under A (b) and B (b) above in which period of observation exceeded 2 months ...	A (b) 7 B (b) 7	13. Number of— (a) Specimens of sputum, etc., examined (b) X-ray examinations made in connection with Dispensary work (at Oldham Royal Infirmary)... ..	564 163
6. Number of attendances at the Dispensary (including Contacts)	2293	14. Number of Insured Persons on Dispensary Register on the 31st December	583
7. Number of attendances of non-pulmonary cases at Orthopaedic Out-stations for treatment or supervision	—	15. Number of Insured Persons under Domiciliary Treatment on the 31st December	222
8. Number of attendances, at General Hospitals or other Institutions approved for the purpose, of patients for— (a) "Light" treatment (b) Other special forms of treatment ...	— —	16. Number of reports received during the year in respect of Insured Persons:— (a) Form G.P. 17	—

TABLE II.
RESIDENTIAL INSTITUTIONS.

(a) AVERAGE NUMBER OF BEDS AVAILABLE FOR PATIENTS DURING THE YEAR 1927.

Note.—This Return includes all the beds available, the remaining beds having been used by other Authorities.

	Observation.	Pulmonary Tuberculosis.		Non-Pulmonary Tuberculosis.		Total.
		"Sanatorium" Beds.	"Hospital" Beds.	Disease of Bones and Joints.	Other Conditions.	
Adult Males	1	16	9	2	1	29
Adult Females	1	11	8	Nil	1	21
Children under 15	2	8	3	2	4	19
Total	4	35	20	4	6	69

This Table includes all the beds available, but not those occupied by patients from other Authorities.

(b) RETURN SHOWING THE EXTENT OF RESIDENTIAL TREATMENT DURING THE YEAR 1927.

			In Institutions on Jan. 1.	Admitted during the year.	Discharged during the year.	Died in the Institutions	In Institutions on Dec. 31.
Number of Patients :	Adults	M.	27	78	71	11	23
		F.	16	51	38	13	16
	Children	M.	11	16	13	2	12
		F.	10	14	*12	...	12
Number of Observation Cases :	Adults	M.	...	5	4	...	1
		F.	...	2	2	...	...
	Children	M.	...	4	4	...	...
		F.	...	8	8	...	...
Total	...	...	64	178	152	26	64

*1 Discharged diagnosis not confirmed.

Included in this table is the case of a female child admitted as "T.B. Minus" in 1926, and discharged "Diagnosis not confirmed" in 1927.

TABLE III.

Return showing the immediate results of treatment of patients and of observation of doubtful cases discharged from Residential Institutions during the year 1927.

Classification on admission to the Institution.	Condition at time of discharge.	Duration of Residential Treatment in the Institution.									
		Under 3 months.			3-6 months.			6-12 months.			Total
		M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	
Class T.B. minus.	Quiescent	10	2	1	13	7	3	5	5	6	56
	Improved	5	2	2	2	2	1	1	1		11
	No material improvement	1	2	1	1			1			6
	Died in Institution										
Class T.B. plus Group 1.	Quiescent	2			4			5			12
	Improved	1			2			1		1	4
	No material improvement	1									2
	Died in Institution										
Class T.B. plus Group 2.	Quiescent	2	1		4	3		1	4		16
	Improved	1	2			2		2			7
	No material improvement	4	2		2				2		10
	Died in Institution										
Class T.B. plus Group 3.	Quiescent	3	1		1	1	1				2
	Improved	1	2								7
	No material improvement	1	4	1						2	8
	Died in Institution										

PULMONARY TUBERCULOSIS.

TABLE III—continued.

Non-PULMONARY TUBERCULOSIS.		Quiescent or Arrested	Improved	No material improvement	Died in Institution	1	1	2	2	1	1	7
Bones and Joints.		...	...	...	...	1	1	2	2		1	7
		Improved	...	...	...	1	1					
		No material improvement	...	...	...	1	1					
		Died in Institution	...	...	...				
Abdominal.		Quiescent or Arrested	...	...	...	1	1	3	1	1	1	7
		Improved	...	...	...	1	1					2
		No material improvement	...	...	...				
		Died in Institution	...	...	...				
Other Organs.		Quiescent or Arrested	...	...	...		1					1
		Improved	...	...	...				
		No material improvement	...	...	...				
		Died in Institution	...	...	...				
Peripheral Glands.		Quiescent or Arrested	...	...	...			1				1
		Improved	...	...	...				
		No material improvement	...	...	...				
		Died in Institution	...	...	...				

Observation for purpose of diagnosis.		Under 1 wk.		1-2 weeks.		2-4 weeks.		More than 4 weeks.	
Tuberculous	...							2	1
Non-Tuberculous	...					1		2	1
Doubtful	...							2	1
									6
									6
									10

Included in this table as an observation case discharged as non-tuberculous is a female child admitted as "T.B. Minus" in 1926 and discharged "Diagnosis not confirmed" in 1927.

Condition at the time of the last record made during the year to which the Return relates.	Previous to 1926.					1926.					1927.				
	Bones and Joints	Abdominal	Other Organs	Peri-pheral Glands	Total	Bones and Joints	Abdominal	Other Organs	Peri-pheral Glands	Total	Bones and Joints	Abdominal	Other Organs	Peri-pheral Glands	Total
ALIVE.															
Discharged as cured:															
Adults M.	8	4	1	14	27										
F.	4	1	2	10	17										
Children M.	10	10	2	25	47										
F.	2	3		15	20										
Disease arrested:															
Adults M.	1				1										
F.	3			2	5										
Children M.	1	2		2	3										
F.		1			3										
Disease not arrested:															
Adults M.	13	3	5	6	27										
F.	11	3	4	8	26										
Children M.	21	15	4	17	57										
F.	14	5	3	10	32										
TRANSFERRED TO PULMONARY		1	1	1	3		1		2	3					
CONDITION NOT ASCERTAINED DURING THE YEAR	8	5	3	11	27										
LOST SIGHT OF OR OTHERWISE REMOVED FROM DISPENSARY REGISTER	119	35	33	117	304		1	1	1	3		1			1
DEAD.															
Adults M.	26	7	1	6	40										
F.	7	3	2	2	14										
Children M.	8	13	2	1	24										
F.	1	9	1	1	12										
Totals	257	120	64	248	689	13	15	14	13	55	18	15	5	20	58

The number of deaths certified as due to Tuberculosis during the year was:—Pulmonary Cases 104; Non-Pulmonary 22; a total of 126 compared with 112; 47 and 159 in the previous year. A very considerable reduction.

The X-Ray apparatus at the Orthopædic Centre has been of very great value in the diagnosis of cases.

1927

NEW CASES					DEATHS			
AGE PERIODS	PULMONARY		NON-PULMONARY		PULMONARY		NON-PULMONARY	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
0 to 1	1	1	1	...	...	1	1	...
1 to 5	2	...	3	6	...	...	2	...
5 to 10	4	6	8	5	1	...	1	1
10 to 15	10	5	7	8	3	...	1	1
15 to 20	6	11	6	5	1	5	2	1
20 to 25	10	10	4	2	5	7	1	1
25 to 35	17	12	2	3	10	9	1	2
35 to 45	23	13	1	4	19	8	2	1
45 to 55	28	10	1	2	17	8	2	1
55 to 65	5	2	1	...	5	3	1	...
65 and upwards	1	1	...	...	2	...	...	...
TOTALS	107	71	34	35	63	41	14	8
	178		69		104		22	

The number of Primary Notifications for 1926 were:—Pulmonary 202; Non-Pulmonary 71; Total number of Primary Notifications for 1926, 273 against 247 in 1927.

ATTENDANCES AT DISPENSARY.

Insured Persons and	1925	1926	1927
Ex-Service Men	1,533	1,167	1,369
Non-Insured	161	192	191
Children	905	739	733
Totals	2,599	2,098	2,293

Number of New Cases sent to Dispensary by Private Practitioners, 167. Of these 55 were found to be suffering from Tuberculosis and 112 were Non-Tuberculous.

Number of Sputum Examinations—Positive	...	125
Do. do. —Negative	...	439
Total	...	<u>564</u>

Number of Reports to Ministry of Pensions :—

To Area Office, Manchester	...	...	...	...	113
To District Office, Oldham, which was closed for correspondence after the 24th March, 1927	...	...	...	...	24
Total	...	...	...	...	<u>137</u>

Number of School Exemption Certificates furnished to Local Education Authority, 92.

The following list gives a summary of the principal occupations of patients notified for the first time to be suffering from Tuberculosis :—

Cotton Operatives	...	...	...	...	77
Ironworkers	...	...	...	...	31
Labourers	...	...	...	...	15
Housework	...	...	...	...	19
Other Occupations	...	...	...	...	35
School	...	...	...	...	51
No Occupation	...	...	...	...	19
Total	...	...	...	...	<u>247</u>

STRINESDALE SANATORIUM.

Patients discharged during 1927	...	...	...	79
Patients died during 1927	...	...	...	9
Total	...	...	...	<u>88</u>

Of the Patients discharged 8 showed no increase in weight.

The average increase in the weight of the remaining 71 was $13\frac{2}{5}$ lbs.

The maximum increase in weight of any one patient was $55\frac{1}{2}$ lbs.

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1924.

Number of cases of Tuberculosis remaining on the Registers of Notifications kept by the Medical Officer of Health of the County Borough, on the 31st December, 1927.

PULMONARY			NON-PULMONARY			...	Total Cases
Males	Females	Total	Males	Females	Total		
435	253	688	177	149	326	...	1041

VENEREAL DISEASE.

The Scheme for treating the above disease remains the same as that given in previous reports.

The following figures give the number treated at the Infirmary during the last five years. These show that the number of cases of Syphilis treated during the past year is nearly one half the number treated five years ago. The cases of Gonorrhœa have increased in number. This is very probably due to the result of the propaganda during Health Week and at other times, leading those affected to realize that the disease is more serious than is usually considered and in consequence bringing a larger proportion under treatment.

		SYPHILIS		GONORRHOEA		OTHER V. D. CASES	
		Males	Females	Males	Females	Males	Females
1923	...	234	139	140	19	16	2
1924	...	176	114	176	33	6	1
1925	...	163	88	174	34	7	0
1926	...	152	95	182	34	2	0
1927	...	117	90	226	38	1	0

The following Statistics summarise the work done during the past year :—

NUMBER OF PERSONS UNDER TREATMENT.

	Jan. 1st		Treated during the Year.		Total	
	Males	F'mal's	Males	Females	Males	Females
Suffering from Syphilis	85	59	32	31	117	90
„ „ Gonorrhœa	120	24	106	14	226	38
„ „ Soft Chancre	0	0	1	0	1	0
„ „ Non-V'n' real Dise'ses	46	12	45	18	91	30
Total	251	95	184	63	435	158

In addition to the above, 98 Oldham persons were treated at the Venereal Centres in Manchester, making a total of 691 persons who were treated during the year.

Number of persons who ceased to attend without completing a course of Treatment at the Royal Infirmary :—

	MALES.	FEMALES.
Syphilis	10	12
Soft Chancre	1	0
Gonorrhœa	30	4

No. ceased to attend after Treatment but before completion of Treatment Tests :—

Syphilis	21	14
Soft Chancre	0	0
Gonorrhœa	43	8

No. under Treatment at close of year 1927.

Syphilis	79	59
Gonorrhœa	148	24
Soft Chancre	0	0
Other Conditions	45	12

MALES. FEMALES.

Total attendances of all Patients :—

Syphilis	949	790
Soft Chancre	1	0
Gonorrhœa	5632	809
Other conditions not V.D.	197	626

Aggregate number of Inpatient days :—

Syphilis	0	0
Gonorrhœa	75	14
Soft Chancre	0	0
Other Conditions	0	0

	Spirochetes	Gonococci	Others	Wasserman
Number of specimens examined at the Infirmary	4	151	3	0
Number of specimens sent to the Pathological Laboratory, Manchester	0	0	0	320
Total	4	151	3	320

Number of Oldham persons attending for the first time	183
Lancashire County	43
Yorkshire ,,	2
Total	228

The total cost of Treatment during the financial year amounted to £1296 5s. 4d., which receipts from outside areas will reduce to about £1078 4s. 0d.

The total number of V.D. specimens examined at the laboratory at the Manchester University was 391 all for Wasserman Reaction of which 125 gave a positive reaction.

PROPAGANDA.

From October 3rd to October 9th extensive propaganda work was undertaken in connection with Health Week.

The general arrangements were very similar to those in the previous years.

- 1—Two Lectures and Cinema Films for the older school children who attended in the mornings with their Teachers. Over 4,000 attended. The Films were on Teeth, Flies, Milk and General Cleanliness.
- 2—Short Dinner Hour Addresses to the workmen of 3 of the largest Firms in the Borough. These Meetings were very well attended.
- 3—Afternoon Addresses and Cinema Films for women on four afternoons. About 2,400 women attended.

The Addresses were on :—

- 1—Are Diseases inherited.
 - 2—Health Problems of a Woman
 - 3—Health in Childhood.
 - 4—Prevention of Tuberculosis.
- 4—A Lecture each night for mixed audiences. The Lecture Hall was full each evening.

The subjects of the Lectures were :—

- 1—Hygiene in Daily Life.
- 2—A C3 or an A1 Nation.
- 3—Health and Hygiene.

4—Food and Health.

5—Tuberculosis.

6—Cancer.

5—A Lecture Film for men only on Sunday afternoon and a final Meeting with Lecture and Film for adults on Sunday evening in one of the Cinema Halls in the Borough. The Hall held on each occasion about 2,500 persons and was packed on each occasion.

The Two Lectures were :—

(1) Men and Disease.

(2) Secrets of Good Health.

6—A Special Service was also held in St Peter's Church on the Sunday, when the organiser, Mr. T. Bowen Partington preached on "Godliness and Health."

7—There was also an Exhibition in the Town Hall, of Articles and Appliances relating to Public Health, which was open on each day of the week. Both the Gas Department and the Electricity Department had a large exhibit, and the former arranged a series of cookery lectures. It is estimated that over 10,000 visited the Exhibition.

Infectious Diseases.

The following Table gives the number of cases of Infectious Diseases notified during the year, and the deaths from these diseases :—

DISEASE.	NOTIFICATIONS.	DEATHS.
Small-pox	19	1
Scarlet Fever	188	0
Erysipelas	60	0
Diphtheria	205	14
Enteric Fever	3	1
Puerperal Fever... ..	14	7
Puerperal Pyrexia	8	0
Tuberculosis (Pulmonary)	178	108
Do. (Non-Pulmonary)... ..	69	17
Pneumonia	172	169†
*Measles and German Measles	0	8
Cerebro Spinal Meningitis... ..	0	0
Infantile Paralysis	0	0
Ophthalmia Neonatorum	17	0
Encephalitis Lethargica	14	11
*Whooping Cough	0	6
Dysentery	1	0

* Notified from Schools, &c. † Includes Broncho-Pneumonia.

There were also four deaths from Diarrhœa, all in infants under one year and 15 from Enteritis, nine of which were in infants. 63 deaths were attributed to Influenza and five to Syphilis and 50 to General Paralysis.

The following Tables gives a comparison of Oldham with the rest of England.

The rates per 1,000 of the population were as follows :—

	England and Wales	107 Large Towns	Oldham
Scarlet Fever	0.01	0.01	0.00
Diphtheria	0.07	0.08	0.08
Enteric Fever	0.01	0.01	0.00
Puerperal Fever	—	—	0.05
Measles	0.09	0.12	0.08
Whooping Cough	0.09	0.10	0.04
Influenza	0.57	0.49	0.44
Diarrhoea & Enteritis. (Under 2 years)	6.3	8.3	—

The case rates of certain Infectious Diseases per 1,000 of the population are as follows :—

	England & Wales	Oldham
Small-pox	0.38	0.13
Scarlet Fever	2.16	1.31
Diphtheria	1.33	1.43
Enteric Fever	0.09	0.02
Puerperal Pyrexia	0.14	0.05
Puerperal Fever	0.05	0.09
Erysipelas	0.38	0.42

SMALL-POX.

Nineteen cases of this disease were notified during the year.

All except the first case notified were Inmates of the Poor Law Institution and this case had been an inmate at the beginning of the Incubation period.

The disease was introduced by a tramp who was subsequently discovered in another town.

The cases were all of a mild type, and the majority in men over 60 years age. One death was attributed to the disease ; a man 62 years of age.

After hanging on for a period of five or six weeks, general Vaccination in the blocks affected put an end to the epidemic.

VACCINATION.

The following return for three years shows the position of Vaccination in this Borough. Only 19 per cent. of the children born were vaccinated. In the Oldham Union Area it was slightly higher, viz : —22 per cent.

The percentage vaccinated or insusceptible to vaccination is about the same as in the previous year.

	1924	1925	1926
Number of Births	2397	2266	2310
Successfully Vaccinated	534	407	444
Died Unvaccinated	177	162	158
Insusceptible	0	0	0
Postponed by Medical Certificate	4	0	0
Left the District	25	31	32
Not Accounted for	51	46	43
Percentage successfully Vaccinated	22	19	19

It is pure heresy and contrary to the dictates of Public Health, but, in view of the enormous expense and work required in combatting the extension of Small-pox and taking into consideration the mild type of the disease now prevalent, the question of treating the cases like Chicken Pox frequently occurs to one. The cases would be isolated at home and people would have the choice of escaping the disease by being Vaccinated or of contracting it and the expense would be borne by those who prefer to have Small-pox.

There would undoubtedly be at first an enormous spread of the disease but in a short time the whole community would be protected by having had the disease or by Vaccination.

SCARLET FEVER.

The number of notifications of Scarlet Fever received was 188. The majority were of a mild type, though some were of a very severe type. One hundred and twenty-one cases were removed to Hospital for treatment. In a few of the very severe cases Scarlet Fever Serum was used and with very beneficial results. The temperatures dropped within twenty-four hours and the septic signs disappeared.

The disease was spread generally over the town and was not exceptionately prevalent in any portion of the year.

DIPHTHERIA.

The total number of cases notified during the year was 205 compared with 140 and 133 in the two preceding years.

This is a larger number than in any previous year, but only 14 of these cases terminated fatally, the same number as in the previous year. This gives a percentage fatality of 6.8. Of the above number 143 were removed to Hospital for treatment.

The disease was most prevalent in the latter three months of the year, but was not especially prevalent in any one portion of the town. Besides the usual enquiries, special investigations were made on several occasions and the children examined and Swabs taken in several schools where cases occurred, but without any result in eliciting the cause of the increased number.

The question of using the Schick test and immunisation has been several times considered. It would be difficult to carry out on any sufficiently extensive scale.

Anti-Toxin is available for an initial dose either night or day and a syringe can be loaned at the same time so as to avoid any delay in its use.

ENTERIC FEVER.

Three cases were notified during the year. Two of them were notified from the Poor Law Hospital. One of their cases was from one of the out-side Districts.

The other case in this Hospital died. The other Oldham case was notified five weeks after the Doctor had been called in. The Diagnosis was doubtful.

ENCEPHALITIS LETHARGICA.

Fourteen cases of this disease were notified during the year and of these 11 died, giving a mortality of 78 per cent.

Three of the above cases were reported from the Poor Law Hospital, and two of them were from out-side districts.

In addition to the above deaths, six deaths from this disease occurred in the Poor Law Institution of which no notification during the year had been received. Three of these deaths were of persons from out-side Districts.

This gives a total number of deaths from Encephalitis Lethargica of 11 in persons belonging to the town.

With the exception of two persons who died in the same house no connection between the cases could be traced.

These two cases were a woman, aged 83, taken ill on October 6th and died on November 5th, and a man, aged 69, taken ill on October 10th who recovered. This man was working up to the day his illness commenced.

The cases during the last five years is as follows :—

		Cases		Deaths
1923	...	18	...	13
1924	...	35	...	12
1925	...	11	...	9
1926	...	12	...	10
1927	...	15	...	11

DISINFECTION.

The same arrangements exactly as in the previous year.

HOSPITALS.

WESTHULME HOSPITAL.

This is the General Infectious Diseases Hospital for the Borough. It contains 130 beds, including the pavilion of 30 beds for Tuberculosis. It is recognised as a Training School for the Fever Nurses Certificate. It receives cases from the Guardians, and if there are beds at liberty, from the surrounding Urban Districts of Chadderton, Crompton, Royton, Lees, Failsworth, Saddleworth and occasionally from Ashton-under-Lyne.

The following figures give a Summary of the cases admitted for treatment during the year:—

DISEASE	1926		1927	
	CASES	DEATHS	CASES	DEATHS
Measles	29	1	23	2
Scarlet Fever	306	0	185	0
Diphtheria	150	15	213	16
Enteric	6	1	7	2
Erysipelas	—	—	2	0
Tuberculosis	80	27	98	23
Chicken-pox, &c.	12	0	—	—
Malnutrition	—	—	15	0
Cross Infections	12	1	2	1
Encephalitis Lethargica	1	1	—	—
Cerebro Spinal Meningitis	—	—	2	2
Total	596	46	547	46

Considering that all the more severe cases of Infectious Disease are sent into Hospital, some of the Diphtheria cases arriving almost moribund, the fact that there were no deaths from Scarlet Fever and only 7 per cent. of the Diphtheria cases died, the result may be deemed satisfactory.

STRINESDALE SANATORIUM.

During the year 86 patients were admitted, all from the Borough, and nine of these died.

The building of the Administrative Portion was considered during the year but owing to the state of trade in the town the erection was still further postponed.

RACEFIELD SMALL-POX HOSPITAL.

The few cases of Small-pox which occurred in the Borough during the year were sent to Hartshead Hospital under the Ashton-under-Lyne authority, thus obviating the

necessity of clearing Racefield which is occupied by cases of Tuberculosis

CORONER'S COURT.

	MALES	FEMALES	TOTAL
Deaths reported to Coroner ...	213	119	332
Inquests	131	64	195
Verdicts—Suicide	15	4	19
Accidents, etc. ...	60	18	78
Natural Causes ...	51	38	89
Open Verdicts	5	3	8

One inquest resulted in a conviction for Manslaughter, one inquest on a child suffocated whilst in bed with its parents and four inquests on newly born children.

CANCER.

The number of deaths from this disease was 219. This is a decrease from the number in the previous year. Until this year there has been a gradual increase, the number of cases in each year since 1921 were 179, 192, 208, 201, 233 and in 1927, 219.

The Organs affected in 207 cases of which details were obtained were as follows :—

	Males	Females	Cotton Oper'tives	Iron Spinners	Non-Workers	Manual	No Trade
Digestive Organs—							
Stomach ...	26	21	4	3	6	13	21
Liver ...	7	14	—	1	5	1	14
Intestines ...	11	15	3	3	3	4	13
Æsophagus	3	2	1	—	1	1	2
Pancreas, &c.	3	8	—	—	—	3	8

Female Generative

Organs—

Breast	...	--	17	1	—	—	—	16
Uterus	...	—	28	—	—	—	—	28
Ovary	...	—	2	—	—	—	—	2

Miscellaneous—

Tongue	...	9	1	—	—	2	7	1
Jaw	...	2	—	2	—	—	—	—
Larynx	...	10	2	2	—	5	3	2
Bladder	...	—	1	—	—	—	—	1
Heart	...	1	1	—	—	—	1	1
Scrotum	...	6	—	—	4	1	1	—
Prostate	...	4	—	1	—	—	3	—
Bone	...	1	—	—	1	—	—	—
Lungs	...	4	1	1	—	2	1	1
Brain	...	—	3	1	—	—	—	2
Sundry	...	3	1	1	2	—	—	1

Totals	90	117	17	14	25	38	113
--------	----	-----	----	----	----	----	-----

The majority of those classed as No Trade were wives or widows engaged in domestic duties.

BACTERIOLOGY.

At present all Bacteriological Specimens for the Health Department except Sputum are sent to the Public Health Laboratory of the Manchester University.

Microscopic Examinations for Gonorrhœa, &c. in connection with the Venereal Disease Scheme are examined at the Royal Infirmary but Specimens for the Wassermann Reaction are also sent to Manchester University.

VITAL STATISTICS.

POPULATION. The estimated population of the Borough by the Registrar General in the middle of 1927, was 141,400 a reduction of 1,600 from the previous year. This figure is a total reduction of the population from the census in 1921 of 6,900 persons. If this figure were correct it would mean the liberation of 1,600 houses, a result which is contra-indicated by the urgent demand for houses.

With the exception of the Infantile Mortality Rate, which is calculated on actual figures I do not consider that rates calculated on the above estimates are of any value, though I give them for purpose of record.

BIRTHS. There were during the year 2,095 births, a decrease of 243 from the previous year. The males exceed the females by 35. The average birth rate in the town was 14·6 per 1,000 population.

This rate is the lowest recorded in the Borough except for the War Years of 1917 and 1918, and if calculated on the correct population would probably not exceed them.

The highest rates in the Wards calculated on the census figure are 21·8 per 1,000 in Westwood Ward, 17·6 and 17·3 in Hollinwood and Mumps Wards and the lowest 10·3 and 10·4 in St. Peter's and Werneth Wards.

DEATHS. The deaths of persons in Oldham totalled 2,249. 281 of these were non-residents and 86 deaths of Oldham persons were registered outside the Town giving a corrected number of 2,054. This number of deaths is

only 41 less than the number of births. In the various Public Institutions in the Borough there were 543 deaths. The highest rates as calculated on the Census figures were in Coldhurst and Mumps Wards with rates of 16·4 and 15·9 respectively, and the lowest in Werneth Ward with 11·4

The rate for the Borough on the Estimated Population was 14·4

The following Statistics allow a comparison with the rest of the Country :—

	England and Wales	107 Great Towns	155 Smaller Towns	Oldham
Birth Rate	16·7	17·1	16·4	14·6
Death Rate	12·3	12·2	11·3	14·4
Percentage of Deaths Certified by Medical Practitioners	91·7	91·9	92·7	90·5
Inquest Cases	6·6	6·6	5·8	9·5
Certified by Coroner (no Inquest) ..	0·7	0·9	0·3	—
Uncertified	1·0	0·6	1·2	0·0

The following table gives the death rates per 1,000 persons, from certain specified diseases, more or less influenced by defective conditions in the various Wards, calculated on the Census populations, and thus in most cases probably higher than the actual rate—

Ward	Infectious Diseases			Tuberculosis		Respiratory Diseases			Diarrhoea and Enteritis	Deaths under one year per 1,000 births
	Measles	Whooping Cough	Diphtheria	Pulmon'y	Other Forms	Influenza	Bronchitis	Pneumonia	Under 2 years	
St. Mary's ...	0.2	...	0.1	1.3	...	0.9	2.4	1.3	...	94
St. Peter's ...	...	...	...	0.6	...	0.3	1.3	1.3	...	84
Werneth .....	...	...	0.1	0.1	...	0.5	1.3	1.0	0.1	48
Westwood ...	...	...	0.1	0.9	0.1	0.5	1.9	0.8	0.1	43
St. Paul's ...	...	...	0.3	0.4	0.2	0.4	1.2	1.2	0.2	116
Coldhurst ...	0.3	0.2	...	1.0	0.3	0.2	1.6	1.5	0.1	109
Hartford .....	...	0.1	0.1	0.5	...	0.1	1.5	1.0	0.1	88
Hollinwood...	0.1	0.1	...	0.5	...	1.0	1.8	0.8	0.1	109
Clarksfield ...	...	...	0.2	0.6	0.2	0.2	1.2	0.8	...	65
Mumps ...	0.1	0.2	...	0.6	0.4	0.1	2.4	1.3	0.2	162
St. James's ..	...	...	0.2	0.7	...	0.4	1.1	1.8	0.1	93
Waterhead ...	..	...	0.1	0.9	0.3	0.4	1.6	0.6	0.1	72
Borough...	0.0	0.0	0.1	0.7	0.1	0.4	1.6	1.1	0.1	86

VITAL STATISTICS, 1927.

SUMMARY.

Population estimated by the Registrar General to
the middle of the year 141,400

Births registered in the 52 weeks ending December
31st, 1927 Males ... 1,068 }
Females ... 1,027 } 2,095

Deaths registered in the 52 weeks ending December
31st, 1927 Males ... 1,009 }
Females ... 1,045 } 2,054

Deaths from the seven principal Zymotic diseases 36

Deaths under 1 per 1,000 Births 181

Annual Rate of Births per 1,000 living population 14·6

Annual Rate of Mortality from all causes per 1,000
living population 14·4

Annual Rate of Mortality per 1,000 living popula-
tion from the seven principal Zymotic diseases 0·2

Of the 2,054 deaths registered during the year 1927,
257 or 12·5 per cent. were those of children under 5
years of age.

PRINCIPAL CAUSES OF DEATHS.

Bronchitis	240	Debility, &c.	32
Pneumonia	169	Cancer	219
Phthisis	104	Convulsions	14
Heart Disease... ..	212	Diarrhoea... ..	4
Measles	7	Premature Birth	45
Apoplexy, &c... ..	160	Whooping Cough	6
Diphtheria	17	Accidents... ..	47

TABLE No. 1.
HOUSES BUILT IN THE BOROUGH.

YEAR.				No. OF HOUSES BUILT.
March, 1888, to March, 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	...	...	212
" 1915	" 1916	...	...	85
" 1916	" 1917	...	...	16
" 1917	" 1918	...	...	2
" 1918	" 1919	...	...	1
" 1919	" 1920	...	...	4
" 1920	" 1921	...	...	27
" 1921	" 1922	...	...	29
" 1922	" 1923	...	...	318
" 1923	" 1924	...	...	42
" 1924	" 1925	...	...	84
" 1925	" 1926	...	...	179
" 1926	" 1927	...	...	189
" 1927	" 1928	...	...	396

TABLE No. 2.

INFANTILE MORTALITY DURING THE YEAR 1927.

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 ...	...	...	...	...	...	...	...	...	...	...
	Uncertified ...	...	...	...	...	...	...	...	...	...	...
Small-Pox ...		...	...	...	...	...	...	...	...	...	...
Chicken-Pox ...		...	...	...	...	...	...	...	...	...	...
Measles ...		...	...	...	...	...	1	...	1	3	5
Scarlet Fever ...		...	...	...	...	...	...	...	...	...	...
Whooping Cough ...		...	...	...	...	...	1	...	...	1	2
Diphtheria and Croup ...		...	...	...	...	...	...	...	...	...	...
Erysipelas ...		...	...	...	...	...	...	...	...	...	...
Tubercular Meningitis ...		...	...	...	...	...	...	...	...	...	...
Abdominal Tuberculosis ...		...	...	...	...	...	...	...	...	...	...
Other Tuberculous Diseases ...		...	...	...	...	...	...	1	...	1	2
Meningitis (<i>not Tuberculous</i>) ...		...	...	...	1	1	...	...	...	...	1
Convulsions ...		5	...	1	...	6	3	3	...	...	12
Laryngitis ...		...	...	...	...	...	...	...	1	...	1
Bronchitis ...		...	1	...	...	1	2	2	2	1	8
Pneumonia (all forms) ...		...	...	...	...	...	1	7	4	7	19
Diarrhoea ...		...	...	...	...	...	1	1	2	...	4
Enteritis ...		...	2	3	2	7	1	2	...	...	10
Gastritis ...		...	...	...	...	...	...	...	...	...	...
Syphilis ...		...	...	1	1	2	1	1	...	...	4
Rickets ...		...	...	...	1	1	...	...	...	...	1
Suffocation, overlying		...	...	...	...	...	...	...	...	...	...
Injury at Birth ...		...	...	...	...	...	...	...	...	...	...
Atelectasis ...		2	...	...	...	2	...	...	...	...	2
Congenital Malformations ...		2	...	...	1	3	1	...	...	...	4
Premature Birth ...		28	10	4	1	43	3	...	...	...	46
Atrophy, Debility and		...	...	...	...	...	...	...	...	...	...
Marasmus ...		4	2	...	2	8	7	2	2	...	19
Other Causes ...		16	9	...	3	28	7	3	1	1	40
TOTALS.....		57	24	9	12	102	29	22	13	14	180

TABLE No. 3.

DISEASES UNDER ONE YEAR OF AGE IN 1927.

Nature of Disease.	How Fed.					Occupation of Mother.				TOTALS
	Bottle.	Breast.	Artificial food.	Both Breast and Bottle.	No Food.	Cotton Worker.	Charwoman or Domestic Servant	Other Occupations.	Housework.	
Small-pox .....	...	...	...	...	...	...	...	...	...	...
Chicken-pox .....	...	...	...	...	...	...	...	...	...	...
Measles.....	...	3	2	...	...	...	...	...	5	5
Scarlet Fever .....	...	...	...	...	...	...	...	...	...	...
Whooping Cough .....	...	2	...	...	...	2	...	...	...	2
Diphtheria & Croup .....	...	...	...	...	...	...	...	...	...	...
Erysipelas .....	...	...	...	...	...	...	...	...	...	...
Tubercular Meningitis .....	...	...	...	...	...	...	...	...	...	...
Abdominal Tuberculosis.....	...	...	...	...	...	...	...	...	...	...
Other Tubercular Diseases .....	...	1	1	...	...	...	...	...	2	2
Meningitis (not Tuberculous) .....	...	1	...	...	...	1	...	...	...	1
Convulsions	1	10	...	...	1	4	...	1	7	12
Laryngitis .....	...	...	1	...	...	...	...	...	1	1
Bronchitis .....	...	7	1	...	...	2	...	...	6	8
Pneumonia (all forms) .....	...	16	3	...	...	4	...	...	15	19
Diarrhœa .....	...	3	1	...	...	...	...	...	4	4
Enteritis .. ..	...	5	2	1	2	3	...	...	7	10
Gastritis .....	...	...	...	...	...	...	...	...	...	...
Syphilis.....	...	4	...	...	...	1	...	...	3	4
Rickets .....	...	1	...	...	...	1	...	...	...	1
Suffocation, over- lying .....	...	...	...	...	...	...	...	...	...	...
Injury at birth... ..	...	...	...	...	...	...	...	...	...	...
Atelectasis .....	...	1	...	...	1	2	...	...	...	2
Congenital Mal- formation	3	...	...	...	1	3	...	...	1	4
Premature Births ..	5	19	1	1	20	10	...	1	35	46
Atrophy, Debility, and Marasmus...	1	11	4	...	3	8	...	1	10	19
Other Causes	2	29	4	...	5	12	1	...	27	40
TOTALS	12	113	20	2	33	53	1	3	123	180

TABLE NO. 6.—SHOWING POPULATION, BIRTHS AND BIRTH RATES, DEATHS AND DEATH RATES.—1921.

WARD.	Census Population 1921	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	10,986	124	87.9	68	91	159	14.4	80	72	152	13.8
St. Peter's	11,562	284	37.5	64	55	119	10.3	90	74	164	14.2
Werneth	12,113	264	44.5	60	65	125	10.4	67	71	138	11.4
Westwood	14,888	281	51.8	153	172	325	21.8	106	102	208	13.9
St. Paul's	14,863	485	32.7	103	87	190	12.7	95	101	196	13.1
Coldhurst	10,583	143	69.4	75	72	147	13.9	87	86	173	16.4
Hartford	13,133	202	63.5	87	83	170	12.9	64	104	168	12.7
Hollinwood.....	9,915	417	23.6	98	76	174	17.6	67	75	142	14.3
Clarksfield	15,824	652	24.9	118	98	216	13.6	99	113	212	13.3
Mumps	8,583	135	59.5	77	71	148	17.3	72	64	136	15.9
St. James'	11,205	967	11.3	70	59	129	11.5	88	77	165	14.7
Waterhead	13,828	781	17.2	95	98	193	13.9	94	106	200	14.4
Registrar General's Estimate.....	141,400	4,735	30.6	1,068	1,027	2,095	14.6	1,009	1,045	2,054	14.4

The Populations of the Wards are Census numbers.

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 Institutions in the District.	Deaths of Non-residents registered in Public Institutions in the District.	Deaths of residents beyond the District.	NETT 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 registered	Number	Rate.							
								5						6	7	8	9	10	11	12	13
1	2	3	4											
1917	...	2150	14.4	238	110	2298	17.2	701	229	67	2136	16.0		
1918	...	2057	13.8	243	118	3036	22.8	828	287	72	2821	21.1		
1919	...	2246	15.7	213	95	2390	17.2	438	225	56	2221	16.0		
1920	143,154	3372	23.6	355	105	2285	16.0	451	205	60	2140	15.0		
1921	148,300	3136	21.3	341	109	2333	15.9	397	207	52	2178	14.8		
1922	148,300	2835	19.3	301	106	2531	17.2	537	256	57	2332	15.8		
1923	147,500	2617	17.8	289	110	2560	17.4	527	264	56	2352	16.0		
1924	147,300	2433	16.3	260	107	2226	14.9	416	237	56	2045	13.7		
1925	146,200	2279	15.5	236	103	2376	16.1	522	255	65	2186	14.8		
1926	143,000	2338	16.1	241	103	2565	17.7	590	805	68	2328	16.0		
Averages for years 1917-1926	.....	2546	17.4	272	106	2460	17.2	541	247	61	2274	15.9		
1927	141,400	2095	14.6	181	86	2249	15.7	543	281	86	2054	14.4		

Area of District in Acres, 4,735.

At Census of 1921—Total population at all ages, 145,001. Number of inhabited houses, 34,781.

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 1892-1927

Year	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	
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
Average 5 y'rs		29.1	21.6	2.6	1.9	2.5	2.3	180
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
Average 5 y'rs		27.0	20.9	2.5	1.7	2.4	2.3	180
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
Average 5 y'rs		25.5	18.6	2.3	1.4	2.0	1.6	152
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
Average 5 y'rs		26.4	18.6	1.9	1.3	2.0	1.6	141
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
1916	*136,126	17.8	16.7	0.9	1.3	1.8	0.9	122
Average 5 y'rs		21.5	17.2	1.4	1.3	1.9	1.3	123
1917	*133,721	14.4	16.0	0.8	1.3	2.1	1.3	110
1918	149,285	13.8	21.1	1.0	1.2	2.7	2.3	118
1919	.....	15.7	16.0	0.6	0.9	2.2	1.1	95
1920	143,154	23.6	15.0	0.4	1.1	1.6	1.2	105
1921	148,300	21.3	14.8	0.5	0.8	1.7	1.2	109
Average 5 y'rs		17.7	16.6	0.6	1.1	2.1	1.4	107
1922	148,300	19.3	15.8	0.7	0.9	2.0	1.2	106
1923	148,300	17.8	16.0	0.5	0.8	2.2	1.5	110
1924	147,300	16.3	13.7	0.3	0.8	1.7	1.2	111
1925	146,200	15.5	14.8	0.5	0.8	1.7	1.1	103
1926	143,000	16.1	16.0	0.7	0.8	1.9	1.4	106
Average 5 y'rs		17.0	15.2	0.5	0.8	1.9	1.3	107
1927	141,400	14.6	14.4	0.2	0.7	1.7	1.2	86

* Estimated for Deaths.

TABLE No. 11.

Showing the number of deaths from the Seven Principal Zymotic Diseases in the Borough of Oldham, during the years 1890-1927.

Year	Population	Smallpox	Measles	Scarlet Fever	Diphtheria	Whooping Cough	Fever Typhus and Typhoid	Diarrhoea	Total Deaths
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	139,497	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
1916	136,126*	...	29	3	30	48	2	32	144
1917	133,721	...	73	3	6	4	4	25	115
1918	149,285	...	34	7	10	71	7	5	134
1919	.....	...	25	13	21	5	5	17	86
1920	143,154	...	6	6	15	17	1	12	57
1921	148,300	...	2	7	9	34	3	15	70
1922	148,300	...	70	8	11	9	3	10	111
1923	148,300	...	12	5	10	46	1	6	80
1924	147,300	...	24	2	3	13	1	5	48
1925	146,200	...	37	7	16	6	5	10	81
1926	143,000	...	23	4	19	47	2	4	99
1927	141,400	1	7	...	17	6	1	4	36

* Estimated for Deaths.

THE NEW YORK PUBLIC LIBRARY ASTOR LENOX TILDEN FOUNDATION 1851

TABLE No. 12.

Weekly Means of Meteorological Observations for the year 1927.

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.				
1927																
January	1 29.07	43	43	42	92	—	36	45	—	28	—	37	.29	5	10	5.24
	8 29.10	42	42	41	92	—	—	45	—	27	—	37	1.03	6	9	1.20
	15 28.97	42	42	41	92	—	—	46	—	29	—	37	.88	5	10	.26
	22 28.83	35	35	34	90	—	—	41	—	20	—	37	1.00	4	8	10.40
	29 28.82	42	42	41	92	—	—	45	—	26	—	37	.99	6	9	1.73
February	5 29.01	38	38	38	100	—	—	45	—	19	—	35	.48	4	6	8.45
	12 29.66	34	34	34	100	—	—	41	—	17	—	34	.50	2	7	25.25
	19 29.55	39	39	39	100	—	—	47	—	23	—	34	.09	2	10	6.65
	26 28.64	43	43	42	92	—	—	48	—	28	—	34	.72	5	10	1.95
March	5 28.64	47	47	44	79	—	—	53	—	32	—	34	1.36	7	8	5.40
	12 28.81	41	41	39	85	—	—	51	—	25	—	34	1.06	6	8	15.35
	19 29.40	46	46	44	86	—	—	53	—	24	—	34	.07	2	3	23.39
	26 28.72	47	47	45	86	—	—	58	—	29	—	35	1.20	6	9	13.40
April	2 28.95	44	44	41	78	—	—	54	—	27	—	34	1.24	6	6	12.39
	9 28.87	44	44	42	85	—	—	55	—	28	—	35	.94	5	7	17.74
	16 29.27	45	45	43	85	—	—	55	—	26	—	35	.98	5	7	11.04
	23 29.39	50	50	49	73	—	—	63	—	35	—	35	.49	3	8	19.70
	30 29.09	42	42	39	78	—	—	54	—	24	—	34	.80	5	5	30.66
May	7 29.31	52	52	48	74	—	—	67	—	33	—	36	.49	3	1	24.91
	21 29.30	52	52	49	80	—	—	—	—	32	—	35	.07	2	1	30.00

June	4	29.16	53	53	49	74	—	—	—	—	34	—	35	.38	3	7	23.73
	11	29.23	52	52	49	80	—	—	—	—	32	—	35	.58	4	6	37.20
	18	29.24	58	58	57	93	—	—	—	—	32	—	37	.87	2	3	39.63
July	25	29.17	53	53	50	80	—	—	—	—	36	—	41	2.16	6	8	21.10
	2	28.94	53	53	53	100	—	—	—	—	37	—	42	1.22	7	9	14.25
	9	29.03	60	60	60	100	—	—	—	—	36	—	40	1.53	7	7	21.99
	16	29.38	62	62	58	—	—	—	—	—	43	—	49	1.66	2	6	35.78
	23	29.16	59	59	55	76	—	—	—	—	42	—	46	.29	3	7	11.37
August	30	29.08	61	61	58	—	—	—	—	—	44	—	46	.63	6	6	13.74
	6	29.34	64	64	59	—	—	—	—	—	45	—	47	.07	1	1	28.71
	13	28.96	60	60	57	76	—	—	—	—	61	—	49	1.88	7	8	16.70
	20	28.95	56	56	55	93	—	—	—	—	59	—	50	.69	7	9	13.45
	27	29.05	58	58	56	87	—	—	—	—	57	—	49	.66	3	8	11.75
Septem.	3	29.42	60	60	60	100	—	—	—	—	59	—	49	1.24	4	5	28.40
	10	29.21	58	58	58	100	—	—	—	—	58	—	50	.40	3	7	14.65
	17	29.02	52	52	51	93	—	—	—	—	53	—	50	1.09	5	4	18.80
	24	28.72	53	53	51	86	—	—	—	—	54	—	50	2.41	7	9	9.75
October	1	29.13	49	49	47	86	—	—	—	—	43	—	46	2.06	6	9	10.62
	8	29.52	53	53	50	80	—	—	—	—	49	—	42	.63	2	6	18.45
	15	29.53	52	52	48	74	—	—	—	—	49	—	44	.23	1	4	26.85
	22	29.07	49	49	46	79	—	—	—	—	50	—	45	.73	6	10	9.59
	29	29.00	54	54	50	74	—	—	—	—	45	—	41	1.85	6	9	7.51
Novem.	5	29.21	54	54	52	86	—	—	—	—	55	—	43	1.64	7	10	2.70
	12	28.85	39	38	36	83	—	—	—	—	48	—	43	1.20	2	6	30.85
	19	29.27	41	42	41	92	—	—	—	—	—	—	42	.25	5	9	2.80
	26	29.19	42	42	42	100	—	—	—	—	—	—	40	.73	7	10	3.40
Decem.	3	29.45	40	40	39	92	—	—	—	—	—	—	40	.42	3	9	8.54
	10	29.08	43	43	42	92	—	—	—	—	—	—	40	.08	2	10	4.20
	17	29.24	34	34	34	100	—	—	—	—	—	—	38	.04	1	10	2.80
	24	28.86	35	35	35	100	—	—	—	—	—	—	35	.65	3	8	4.54
	31	29.27	32	32	31	—	—	—	—	—	16	—	35	.20	2	5	17.08
Means	29.12	48	48	48	46	86	59	51	49	60	41	39	40	44.12 Total	224 Total	7	819.76 Total

TABLE No. 15—Continued.

CAUSE OF DEATH.	AGES.												
	0 to 1	1 to 5	Total under 5 years	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 60	60 to 65	65 to 75	75 to 85	85 and upwards
V.—DEVELOPMENTAL DISEASES.													
Premature Birth.....	45	...	45	...	...	...	...	...	...	...	...	...	...
Atelectasis	2	...	2	...	...	...	...	...	...	...	...	...	...
Congenital Malformations....	3	...	3	...	...	...	...	...	...	...	...	...	...
Old Age .....	...	...	...	...	...	...	...	...	...	4	39	86	19
VI.—LOCAL DISEASES.													
1. Diseases of Nervous System													
Inflammation of Brain or Membranes	1	2	3	...	3	1	...	...	...	...	...	...	...
Apoplexy, Softening of Brain, Hemiplegia, Brain Paralysis.	...	...	...	...	1	3	7	17	17	29	57	27	2
Insanity, General Paralysis of the Insane .....	...	...	...	...	...	1	5	1	6	7	20	10	...
Epilepsy	1	...	1	...	1	...	1	3	...	...	1	...	...
Convulsions	12	2	14	...	...	...	...	...	...	...	...	...	...
Laryngismus Stridulus (Spasm of Glottis)	2	1	3	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica.....	...	1	1	2	2	...	2	1	1	...	1	1	...
Poliomyelitis .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Disease of Spinal Cord, Paraplegia, Paralysis Agitans...	1	1	2	...	...	...	...	1	1	...	4	...	...
Other Diseases of Nervous System .....	...	...	...	...	...	...	...	...	1	...	1	...	...
2. Diseases of Organs of Special Sense.													
Of Ear, Eye, Nose	1	...	1	1	...	1	...	...	...	1	...	...	...
Cerebro Spinal Meningitis.....	...	...	...	...	...	...	...	...	...	...	...	...	...
3. Diseases of Circulatory System.													
Pericarditis .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Acute Endocarditis.....	...	...	...	...	1	2	3	3	3	2	1	2	...
Valvular Diseases of Heart ...	...	...	...	4	4	11	13	16	5	22	30	7	...
Other Diseases of Heart	9	2	11	2	...	3	4	9	8	15	37	10	1
Aneurism .....	...	...	...	...	...	...	...	...	1	...	1	1	...
Embolism, Thrombosis .....	...	...	...	...	1	...	1	1	1	...	3	3	...
Other Diseases of Blood Vessels	...	...	...	...	...	5	2	7	4	9	23	17	...
4. Diseases of Respiratory System.													
Laryngitis .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Croup .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Emphysema, Asthma .....	...	...	...	...	...	...	...	4	1	...	2	...	...
Bronchitis	10	7	17	1	2	4	11	26	32	30	79	34	4
Pneumonia	20	22	42	5	9	13	24	23	12	17	18	5	1
Pleurisy .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Diseases of Respiratory System .....	...	1	1	...	...	1	1	3	...	4	5	...	...

TABLE No. 16.
SCARLET FEVER.

Ages	Cases Reported.	Deaths of such Cases.	
		Total.	Percentage.
Under 5 years ...	41	...	...
5 to 10	96	...	...
10 to 15... ..	32	...	...
15 to 25... ..	15	...	...
25 to 35	2	...	...
35 to 45	2	...	...
45 to 55... ..	...	...	...
Over 55 .. ...	...	...	...
Total	188	...	...

TABLE No. 17.

DIPHTHERIA.

Ages.	Cases Reported.	Deaths of such Cases.	
		Total.	Percentage.
Under 5 years ...	50	7	14·0
5 to 10... ...	83	2	2·4
10 to 15... ...	38	2	5·2
15 to 25... ...	22	...	...
25 to 35... ...	7	...	...
35 to 45... ...	1	1	100·0
45 to 55... ...	4	...	..
Over 55... ...	...	...	...
Total	205	12	5·8

TABLE No. 18.
TYPHOID OR ENTERIC FEVER.

Ages.	Cases Reported.	Deaths of such Cases.	
		Total.	Percentage
Under 5 years ...	...	...	...
5 to 10... ..	...	...	...
10 to 15... ..	...	...	...
15 to 25... ..	...	...	...
25 to 35... ..	1	...	...
35 to 45... ..	1	1	100·0
45 to 55... ..	1	...	...
Over 55... ..	...	...	...
Total	3	1	33·3

TABLE No. 19.

Showing the number of Cases of Sickness and the Deaths Registered during the several months of the year 1927 in Oldham.

MONTHS.	SMALLPOX.		SCARLET FEVER.		DIPH- THERIA.		TYPHOID FEVER.		PUER- PERAL FEVER.		PUER- PERAL PYREXIA.		CEREBRO- SPINAL M'NINGITIS.		ACUTE POLIOMYE- LITIS.		ENCEPHA- LITIS L'ITH'RGICA.		ERYSIPELAS.		DYSENTERY.		MALARIA.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January ...	...	...	19	...	24	2	1	...	1	...	1	...	...	...	...	...	1	...	9	...	...	...	...	...
February...	...	...	12	...	16	1	1	...	...	...	1	...	...	...	...	...	...	3	1	...	...	...	...	...
March .....	...	...	15	...	16	1	...	...	...	...	...	...	...	...	...	...	1	7	...	...	...	...	...	...
April .....	...	...	13	...	11	1	1	...	2	...	...	...	...	...	...	...	1	4	1	...	...	...	...	...
May	5	...	25	...	12	4	...	...	1	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...
June	12	...	14	...	12	...	...	...	2	...	1	...	...	...	...	...	...	3	...	...	...	...	...	...
July	2	1	13	...	8	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
August ...	...	...	9	...	11	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
September.	...	...	11	...	9	1	...	...	1	...	...	...	...	...	...	...	1	...	6	...	...	...	...	...
October ...	...	...	29	...	32	2	...	...	2	...	3	...	...	...	...	...	3	1	1	...	...	...	...	...
November..	...	...	17	...	20	...	...	...	2	...	...	...	...	...	...	...	2	...	4	...	...	...	...	...
December..	...	...	11	...	34	...	...	...	2	...	...	...	...	...	...	...	1	7	...	...	...	...	...	...
Totals ...	19	1	188	...	205	12	3	1	14	7	8	...	...	...	...	...	14	10	60	2	1	...	...	...

TABLE No. 20.

Cases of Infectious Disease notified during the Year 1927.

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	19	...	...	...		12	7
Scarlet Fever ..	198	...	41	128	15	4	...
Diphtheria	205	5	45	121	22	12	...
Enteric Fever ..	3	...	...	...	...	3	...
Puerperal Fever ...	14	...	...	...	4	10	...
Puerperal Pyrexia	8	...	...	...	4	4	...
Cerebro Spinal Fever ... ..	...	...	...	...	...	...	...
Acute Poliomyelitis ...	...	...	...	...	...	...	...
Encephalitis Lethargica ...	14	...	...	3	2	7	2
Typhus Fever ...	...	...	...	...	...	..	...
Erysipelas	60	...	..	1	4	44	11
Dysentery	1	...	...	...	...	1	...
Malaria .....	...	...	...	...	...	...	...
*Phthisis... ..	...	...	...	...	...	...	...
Totals ..	512	5	86	253	51	97	20

*Not included in Totals.

TABLE No. 20—Continued.

Cases of Infectious Disease notified during the Year, 1927.

NOTIFIABLE DISEASE.	TOTAL CASES NOTIFIED IN EACH LOCALITY.												
	Total No.	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' Ward	Waterhead Ward
Small-pox ..	19	..	..	..	18	..	..	..	..	..	..	1	..
Scarlet Fev'r	188	19	6	16	12	25	12	12	16	14	11	20	25
Diphtheria...	205	14	10	16	15	49	11	19	5	17	7	25	17
Enteric Fev'r	3	..	..	1	1	1	..	..	..	..	..	..	..
Puerperal Fever ..	14	..	..	..	8	1	2	..	1	2	..	..	..
Puerperal Pyrexia ...	8	..	..	..	..	..	1	2	..	1	1	3	..
Cerebro Spinal Fever	..	..	..	..	..	..	..	..	..	..	..	..	..
Acute Poliomyelitis	..	..	..	..	..	..	..	..	..	..	..	..	..
Encephalitis Lethargica	14	..	3	2	2	..	..	2	..	1	1	1	2
Typhus Fev'r	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas...	60	..	2	3	13	8	3	5	5	4	4	4	9
Dysentery ..	1	..	..	..	..	..	1	..	..	..	..	..	..
Malaria	..	..	..	..	..	..	..	..	..	..	..	..	..
Phthisis	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals	512	33	21	38	69	84	30	40	27	39	24	54	51

TABLE No. 20—Continued.

NOTIFIABLE DISEASE.	No. of Cases Removed to Hospital from each Locality												
	Total No.	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' Ward	Waterhead Ward
Small-pox ...	19	...	...	...	18	...	...	...	...	...	...	1	...
Scarlet Fev.	121	12	4	12	9	12	9	6	11	5	9	15	17
Diphtheria...	143	9	5	11	12	33	8	17	2	10	6	18	12
Enteric Fev.	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal,,	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Pyrexia ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro Spinal Fev.	...	...	...	...	...	...	...	...	...	...	...	...	...
Acute P'li'my'litis	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...	...	...	...	...
Typhus Fev.	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery...	...	...	...	...	...	...	...	...	...	...	...	...	...
Malaria .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals ...	283	21	9	23	39	45	17	23	13	15	15	34	29

SUMMARY OF CASES ADMITTED INTO WESTHULM

	1908		1909		1910		1911		1912		1913		1914		1915		1916	
	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died
Measles	53	8	13	...	64	3	14	1	21	1	...	...	47	7	6	1	18	2
Measles & Appendectomy
Scarlet Fever...	306	13	312	10	154	6	260	6	242	7	509	10	815	37	364	7	110	2
Doubtful Scarlet Fe...
Scarlet Fe. & Diphtheria...
Scarlet Fe. & Measles
Scarlet Fe. & Chick'n-pox...
Scarlet Fe. & Whoop'g C'gh
Scarlet Fe. & Phthisis
Diphtheria	5	1	8	2	11	4	25	4	20	5	22	9	46	9	37	6	76	20
Diphtheria & Measles....
Diphtheria, Measles and Ophthalmia
Diphtheria & Phthisis...
Diphtheria & Typhoid Fe...
Typhus
Typhoid Fever.	30	9	20	2	27	8	25	1	18	5	10	...	24	6	14	1	9	3
Puerperal Fe...	1	...	...	...	...	...
Encephalitis, Lethargica
Erysipelas	2	1	1	1	3	...	...	...	1	...	1	...	5	...	2	...
Tuberculosis	105	20	127	22	131	23
Chicken-pox	24	...	10	...	4	...	...	...	...	...	...	...
Chic'n-pox & Appendicitis...
Whooping Cough	1	1	...	...	...	...
Cerebro Spinal Meningitis...
Marasmus
Malnutrition
	394	31	355	15	257	22	351	12	311	18	546	19	1040	80	553	37	346	50

No. 21.

HOSPITAL DURING THE YEARS 1908 TO 1927.

1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
Admitted Died	Admitted Died	Admitted Died	Admitted Died	Admitted Died	Admitted Died	Admitted Died	Admitted Died	Admitted Died	Admitted Died	Admitted Died
19 2	17 ...	36 ...	8 ...	4 ...	64 10	10 ...	25 1	56 8	29 1	22 2
...	...	...	...	...	...	...	...	...	1 ...	1 ...
99 1	106 6	296 11	318 6	503 8	467 7	194 5	162 5	371 9	306 ..	185 ...
...	...	...	...	...	...	1 ...	...	...	...	...
...	...	...	...	...	3 ...	3 1	2 ...	3 ...	1 7	...
...	...	...	...	...	1 ...	1 ...	...	...	...	...
...	...	...	...	...	...	1 ...	1 ...	...	...	...
...	...	...	...	...	...	...	...	...	2 ...	...
...	...	...	...	...	...	...	...	...	1 ...	...
32 4	52 9	71 9	87 16	72 6	67 12	53 12	83 6	128 22	150 15	213 16
...	...	...	...	...	2 1	...	...	2 1	.. ..	2 1
...	...	...	...	...	...	...	1 ...	...	...	...
.. ...	...	...	...	...	1 ...	1 ...	...	...	...	...
...	...	...	...	...	...	...	...	1 1	...	...
11 4	24 4	7 3	7 3	13 5	11 3	9 2	12 2	8 2	6 1	7 2
...
...	...	...	...	...	...	...	1 1	1 ..	1 1	...
4 .	2 ...	2 ...	3 ...	1 ...	...	...	1 ...	...	...	2 ..
162 29	153 28	147 25	114 28	99 22	105 28	94 18	95 22	96 27	80 27	98 23
1 ...	9 ...	9 ...	6 ...	5 ...	2 ...	14 ...	24 3	9 ...	12 ...	... ..
...	...	...	...	...	1 ...	...	...	...	...	...
...
...	...	...	...	...	...	...	...	...	1 1	2 2
...	...	2 1	...	...	...	...	...	...	...	...
3 ...	7 3	13 1	...	...	2 ...	36 ...	28 ...	13 2	...	15 ...
331 40	370 50	583 50	543 53	697 41	726 61	417 38	435 40	688 73	596 46	547 46

TABLE No. 22.

Showing the number of new Cases of Sickness coming to the knowledge of the Medical Officer of Health during the years 1896 to 1927.

Year.	Small-pox.	Scarlet Fever.	Diphtheria.	Typhus Fever.	Typhoid Fever.	Puerperal Fever.	Total Cases.
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
1916	1	149	142	...	5	9	306
1917	...	129	51	...	5	11	196
1918	...	141	55	...	17	6	219
1919	...	436	118	...	5	14	573
1920	4	434	152	...	3	16	609
1921	4	725	106	...	10	12	857
1922	50	610	89	...	5	15	769
1923	...	244	59	...	3*	9†	315
1924	...	142	80	...	3	7	232
1925	...	410	133	...	7	9	559
1926	10	326	140	...	1	16†	493
1927	19	188	205	...	3	22†	437

* Including one case notified by Manchester Health Department.

† Including one case admitted into Oldham Union from Royton when already suffering from Puerperal Fever.

† Including Puerperal Pyrexia.

TABLE No. 23.

Summary of Cases treated in the Racefield and Strinesdale Hospitals during the years 1913 to 1927.

Hospitals.	1913		1914		1915		1916		1917		1918		1919		1920		1921		1922		1923		1924		1925		1926		1927	
	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.
Racefield & Hartshead																														
Oldham Cases	8	...	4	...	22	...	1	...	...	...	...	...	...	...	4	...	1	...	49	...	...	...	...	...	...	...	10	...	19	...
Strinesdale....	* 110	1	* 116	1	* 99	...	* 87	...	* 65	.	* 79	...	* 73	...	* 76	...	* 76	1	* 73	2	* 50	...	* 67	...	77	..	96	3	86	9
Oldham Cases	103	...	101	1	82	...	76	...	56	..	57	..	55	...	68	...	74	...	122	2	48	...	67	..	77	..	106	3	105	9
Out-Township Cases	7	...	15	..	17	...	11	...	9	...	22	...	18	...	...	...	6	...	...	...	2	..	...	..	...	...	...	...	...	...
Totals	110	1	116	1	99	...	87	...	65	...	79	...	80	...	68	4	77	...	122	2	50	...	67	...	77	...	106	3	105	9

* Cases of Phthisis.

TABLE No. 24.

HEALTH VISITORS' SUMMARY,

For Year ending December, 1927.

Total Live Births—Legitimate	...	...	...	...	1995
" " Illegitimate	...	..	...	...	100
Still Births	...	...	...	...	134
Births notified by Midwives	...	...	...	...	1576
" " " Doctors and Parents	...	...	...	...	439
Infant Deaths—Legitimate	...	...	...	...	166
" " Illegitimate	..	...	...	...	15
Visits to Children under 1 year	..	...	...	...	6979
" " 1 to 5 years	...	...	...	...	8675
Expectant Mothers...	...	...	...	...	369
Ophthalmia	...	...	...	...	17
Puerperal Fever	...	...	...	...	13
Measles	...	...	...	...	408
Whooping Cough	...	...	...	...	68
Chicken Pox	...	...	...	...	30
Special Enquiries	...	...	...	...	625
Infant Deaths...	...	...	...	...	170

TABLE No. 25.

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

No. of Workshops on Register December, 1926	...	...	...	455
„ „ Discontinued during 1927	...	..	...	7
„ „ Registered during 1927...	...	...	...	48
„ „ on Register December, 1927	...	...	...	496
„ Visits Paid	...	...	...	604
„ Notices Served	...	...	...	24
„ „ Complied	...	...	...	21

Nature of Defects.	Notices Served.	Notices Complied.
Dirty Workrooms	1	1
Damp, Defective Roof, &c.	7	4
Defective Ventilation	2	2
Defective Water Supply	...	...
Insufficient or no Closet Accommodation	1	1
Defective Closets (or unsuitable)	1	1
Closet Nuisances	1	1
Defective Drains	4	4
Untrapped Drains	2	2
Dust Bins	1	1
Defective or Short Slop Pipes	...	...
Fire Escapes	2	2
Accumulations	...	...
Workshops Repaired	...	...
Defective Chimneys	2	2
Overcrowding	...	...
New Dust Bins Provided	...	...

TABLE No. 26.

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

No. of Bakehouses on Register, December, 1926	...	...	...	...	288
" " discontinued during 1927	...	...	...	...	16
" " registered during 1927	...	...	...	...	19
" " on Register, December, 1927	...	...	...	...	291
Visits paid	...	...	...	...	606
Notices served	...	...	...	...	19
" " complied	...	...	...	...	18

Nature of Defects.	Notices Served	Notices Complied
Dirty Bakehouses	1	1
Accumulations	1	1
Damp, Defective Roof, etc.	6	6
Defective Water Supply	...	...
Defective Dustbins	...	...
Defective Slop Pipe	1	1
Blocked Drains	2	2
Defective Drains	2	2
Defective Chimneys	...	...
Defective W.W. Closet	2	1
Insufficient or no Closet Accommodation	...	...
Broken Walls	1	1
Failing to Register	3	3

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. A	36	...	18	14	2	2	...	33	2	1	...
" B	55	5	8	16	4	22	6	57	6	...	...
" C	76	7	27	9	3	30	5	69	1	1	...
" D	44	...	19	15	3	7	4	40	...	...	...
" G	44	8	13	6	5	12	9	37	6	...	...
" H	36	3	4	7	3	19	3	32	10	2	1
Totals	291	23	89	67	20	92	27	263	25	4	1

TABLE No. 27.

RETAIL MILK SHOPS.

No. of Milk Shops on Register, December, 1926...	...	...	...	243
„ „ Discontinued during 1927	...	...	...	26
„ „ Registered „ 1927	...	...	...	11
„ „ on Register, December, 1927...	...	...	...	228
No. of Visits Paid	...	...	...	637
Visits to Ice Cream Vendors	...	...	...	113

TABLE No. 28.

Showing the number of Smoke Observations taken and Inspections of Mill Lodges made during the years 1926-1927.

Month ending		SMOKE OBSERVATIONS.		MILL LODGES INSPECTIONS.	
1926.	1927.	1926.	1927.	1926.	1927.
Jan. 16	Jan. 14...	72	87	13	17
Feb. 13	Feb. 12...	76	111	13	18
Mar. 13	Mar. 12...	100	135	18	27
Apr. 10	Apr. 9...	90	152	10	25
May 8	May 7...	96	128	13	15
June 5	June 4...	105	138	13	21
July 3	July 2...	119	89	15	18
„ 31	„ 30...	102	84	12	20
Aug. 28	Aug. 27...	97	101	17	19
Sep. 25	Sep. 24...	78	63	9	15
Oct. 23	Oct. 22...	85	117	10	32
Nov. 20	Nov. 19...	102	139	12	31
Dec. 18	Dec. 17...	83	146	27	24
Totals		1205	1490	182	282

TABLE No. 29.

HALF-HOURLY SMOKE OBSERVATIONS,
TAKEN DURING 1927.

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
1490	438	537	433	72	7	3
Percentage ...	29.39	36.0	29.06	4.83	0.47	0.20

TABLE No. 30.

LIST OF FIRMS REPORTED TO HEALTH COMMITTEE DURING THE YEAR 1927.

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
Messrs. Star Corn Mill Co. Ltd. with Central Mill..... Company Limited.	Woodstock Street...	3 { 1 2	ft. 32 30	ft. in. 8 6 8 6	Tons 8 (coke) 54	1 2	Auto Stoker (disused)	Fined £5
Bedford Mill	Holt Street	2	30	8 0	45	2	None	Legal Notice Served
Olive Mill Co.....	Quebec Street.....	—	30	7 0	62	3	None	Legal Notice Served

TABLE No. 31.

SMOKE PROSECUTIONS DURING 1927.

No. of Firms Fined	Amount of Fine.	No. of times previously prosecuted.
One	£5	13th July, 1907

TABLE No. 32.

NATURE OF SMOKE APPLIANCES IN USE IN THE
BOROUGH OF OLDHAM, 1927.

Name of Appliances.	No. of Mills.	No. of Boilers.
Auto-Coking Machines	7	18
Meldrum Bros.' Forced Draught Furnace	1	1
Broadbent's Louvre Air Regulators... ..	12	43
Caddy's Tubular Bars	2	6
Yates & Thom's Rocking Bars ... ..	...	...
Butterworth's Sectional Bars	2	7
Hollow or Split Bridge Walls	3	10
Hamer's Patent Expansion Joints	2	6
Sanger and Webster's Patent Air Regulators	2	8
Johnson's Smoke Consumer	1	5
Courts Turners Engineering Co.'s Doors	1	4
Babcocks and Wilcocks Patent	1	12
Mellor's Patent	2	6
Evan's ,,	1	2
TOTALS... ..	36	126

Where no Appliances are fixed— 101 Mills ; 202 Boilers. There
are also about 45 Workshop Chimneys not on books.

Number Electrified ... 16

Partly Electrified 17

FOOD INSPECTOR'S REPORT.

Visits to Markets ...	...	...	...	...	...	309
Do. Cattle Wharves ..	...	...	...	...	...	649
Do. Meat Shops ...	...	...	...	...	...	4,624
Do. Fish Shops ...	...	...	...	...	...	915
Do. Fruit and Vegetable Shops ...	...	...	...	...	...	1,394
Do. Miscellaneous	Do.	...	...	...	...	23
Do. Under Contagious Disease Animals Act	...	...	...	...	...	12
No. of Samples of Food Purchased under Food & Drugs Acts	...	...	...	...	...	172
" " "Informal" ...	...	...	...	...	...	52

SLAUGHTER HOUSES.

VISITS MADE AND DEFECTS REMEDIED.

No. on Register, December, 1926	...	...	...	...	34
No. lapsed during 1927	...	...	...	...	—
No. newly licensed during 1927	...	...	...	...	2
No. on Register, December, 1927...	...	...	...	...	36

DAIRIES AND COWSHEDS.

No. of Dairies on Register, December, 1926	...	...	...	45
No. " " " 1927	...	...	...	35
No. of Cowsheds on Register, December, 1926	...	...	...	101
No. " " Lapsed during 1927	...	...	...	23
No. of New Cowsheds Registered during 1927	...	...	...	—
No. of Cowsheds on Register December, 1927	...	...	...	78

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

Total number of Cowsheds, 78.				1926.	1927.
				No of Shippons	No. of Shippons.
600 cubic feet and under 700 cubic feet per head				49	37
700 " " 800	"	"	...	16	12
800 " " 900	"	"	...	24	18
900 " " 1000	"	"	...	8	8
1000 " " 1100	"	"	...	2	1
1100 " " 1200	"	"	...	2	2
Total				101	78

SUMMARY.

	Visits paid.	Notices served.	Notices complied with.
Slaughter Houses	2,646	3	3
Dairies	63	3	3
Cowsheds	139	3	3

DISEASED OR UNSOUND FOOD DESTROYED.

	Tons.	Cwts.	Qrs.	Lbs.
21 Cattle	5	5	1	22
22 Sheep	0	9	2	7
7 Pigs	0	10	0	20
16 Calves	0	7	3	5
Meat	3	3	2	7
Offal	7	12	1	14
Fruit	0	0	1	20
Fish	0	0	0	0
Preserved Goods	0	11	3	26
90 Rabbits	0	1	5	16
446 Eggs	0	0	2	23
3 Turkeys	0	0	1	8
Total	18	4	3	0

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

Diseased Conditions.	No. Reported.	No. Found by Inspector.	Total.
Tuberculosis	151	102	253
Dropsy and Emaciation	3	6	9
Pneumonia	2	7	9
Injured in transit	3	3	6
Jaundice	3	1	4
Suffocation	5	4	9
Echinococcus	—	43	43
Immaturity	—	8	8
Actinomycosis	—	5	5
Flukes (Liver)	2	293	295
Septicæmia	3	1	4
Decomposition	6	10	16
Total	179	482	661

INSPECTORS' ANNUAL REPORT, 1927.

Total Number of Reports of Nuisances and Notices Served...	3274
Total Number of Notices complied with	3037
Number of Cases reported to Health Committee in 1927	932
Number of Notices complied with Order of Committee...	869
Number of Committee Cases remaining unabated	63
Number of Cases dealt with by the Magistrates in 1927	4
Number of Complaints Received and Visited	336
Re-Inspection of Nuisances under Notice	14492

House-to-House Inspection	6214
Total Number of Houses Inspected on Complaint...	1544
Houses Repaired... ..	385
Visits to Cases of Infectious Disease	628
Visits to Cases of Tuberculosis... ..	67
Miscellaneous Visits	5793
Privies Inspected	11624
Letters written to Property Owners or Agents, &c.	—

NUISANCES.						Notices Served.	Notices Complied with
Dirty Houses						76	76
Damp, Defective Roof, &c....						649	603
Defective Ventilation						77	69
Defective Cellars						1	1
Closet Nuisances						219	212
Defective Water Supply						21	20
Overcrowding						21	19
Unfit for Habitation						—	—
Unregistered Houses let in lodging						1	1

HOUSES LET IN LODGINGS, 1927.

Number of Houses on Register, December, 1926	...	...	...	177
" " lapsed during 1927	...	...	...	31
" " registered during 1927	...	...	...	4
" " on register December, 1927	...	...	...	150
Rooms on register December, 1926	...	...	...	838
" " lapsed during 1927	...	...	...	103
" " registered during 1927	...	...	...	20
" " on register December, 1927	...	...	...	755
Visits paid	...	...	...	7328
Notices Served	...	...	...	84
" complied with	...	...	...	84

NATURE OF DEFECTS	Notices Served	Notices Complied With
Broken Walls, Floors and Ceilings...	10	10
Overcrowding	6	6
Separation of Sexes	...	...
Dampness from Defective Roof, etc.	21	21
Blocked and Defective Drains	4	4
Defective Slop-pipes	6	6
Dirty Walls, Floors, Ceilings, Closets, etc....	12	12
Defective Water Closets	3	3
" Waste Water Closets	1	1
Accumulations of Refuse	3	3
Defective Dust bins	8	8
Defective Ventilation	1	1
Failing to Register	...	...
Other Defects	9	9
	84	84

DRAINAGE DEFECTS.	Notices Served.	Notices Complied with
Blocked Drains	528	508
Defective Drains... ..	113	102
Drain Inlets Untrapped or Defectively Trapped ...	78	68
Slop Pipe, Defective or Improperly Ventilated ...	55	52
Defective Water Closets	82	66
Defective Waste Water Closets... ..	61	55
New Water Closets provided	159	99
New Waste Water Closets	—	—
New Pail Closets	1	1
Yards and Passages Repaired and Flagged	43	38
Accumulation of Offensive Matter	76	76
Manure Heaps... ..	3	3
Defective and Insufficient Dustbins	1018	989

No. of Smoke or other Tests, 590. No. of Houses Tested, 480.
 No. of Defects found, 171. 904 yards of Channel Tiles and Drainage
 Pipes have been laid or re-laid.
 Traps fixed, 96. Ventilating Grids, —.
 Houses connected with Main Sewer, 22.

VISITS TO VARIOUS PREMISES.	Visits Paid.	Notices Served.	Notices Complied with
Bakehouses	606	19	18
Pigsties	72	2	2
Tents, Vans, and Sheds	839	1	1
Houses let in Lodgings	7328	84	84
Offensive Trades	184	5	5
Mill Lodges	282	2	2
Ice Cream Vendors	113	2	2
Milkshops	637	12	12
Factories and Workshops	604	24	21
Shop Hours Act	4	—	—

ABOLITION OF ASHPITS.

Number of Ashpits abolished during the year 1927	...	...	...	13
do.	do.	since November 18th, 1909	...	7885
Number of Dustbins provided during the Year 1927	...	...	...	6
do.	do.	since November 18th, 1909	...	19431½

					£	s.	d.
Total Cost of 19215½ Dustbins with Covers	...	...	...	...	7712	17	2
do. 216 do. without Covers	...	...	...	...	64	5	6
Total Cost to date	...	...	...	...	7777	2	8

CLOTHING, &c., 1926-1927.

Articles.	Disinfected.		Destroyed.		Totals.	
	1926.	1927.	1926.	1927.	1926.	1927.
Blankets	1565	1491	17	29	1582	1520
Sheets	1148	1032	16	11	1164	1043
Pillows	1508	1418	94	119	1602	1537
Bolsters	775	715	28	33	803	748
Quilts.....	1004	898	9	23	1013	921
Mattresses	21	13	60	67	81	80
Beds	867	754	87	101	954	855
Carpets	6	4	4	8	10	12
Rugs	21	16	6	...	27	16
Curtains.....	...	7	...	...	...	7
Clothes	1352	1287	124	92	1476	1379
Sundry Articles ...	80	29	186	103	266	132
Total	8347	7664	631	586	8978	8250

Total Houses Disinfected ... 712
 „ Rooms „ ... 1898

CLEANSING DEPARTMENT, 1927.

Number of Ashpits in the Borough	...	...	...	...	None
Do. Ashbins	do.	...	...	...	34151
Do. Pail Closets	do.	...	...	...	1889
Do. Water Closets	do.	...	...	...	9448
Do. Waste-water Closets	do.	...	...	...	24780
Do. Latrines	do.	...	...	...	2953
Do. Houses represented	...	...	...	...	35828
Do. Mills, Workshops, &c.	do.	...	...	...	592
Do. Churches, Schools, &c.	do.	...	...	...	240

ASHES DEPARTMENT.

Number of Ashpits Emptied during the day	...	...	...	...	None
Do. Ashbins	do.	do.	...	...	1692207
Do. Tons of Ashes taken to Destructors	...	...	...	...	25617
Do. do. do. Corporation Tips	...	...	...	...	3666
Do. do. do. Other Tips	...	...	...	...	682
Total No. of Tons collected	...	...	...	...	29965
Number of Tons of Clinker removed from Destructors	...	...	...	...	8150

NIGHTSOIL DEPARTMENT.

Number of Sanitary Pails Emptied during the night	...	...	...	...	99580
Do. Collections of Butchers' Offal (during the night)	...	...	...	...	2559
Do. do. Fish Offal	...	...	...	...	18853
Do. Loads of Excreta collected	...	...	...	...	1509
Do. do. Butchers' Offal collected	...	...	...	...	624
Do. do. Fish Offal collected	...	...	...	...	1261

DESTRUCTORS.

Quantity of Ashes, Fish Offal and Garbage consumed :—					Tons	Cwt.
					T.	C.
Rhodes Bank Destructor :—						
Portion of Collection—Screened	...	...	11113	9		
Do. do. Unscreened	...	...	3239	9	14352	18
Robin Hill	„	...	...	...	7096	13
Hollinwood	„	...	...	...	5804	6
Total	...	...	...	...	27253	17

Quantity of Mortar Sold:—							Tons Cwt. qrs.
Rhodes Bank Destructor	...	...	...	...	...	...	1144 6 0
Robin Hill	..	...	...	...	...	...	155 17 0
Hollinwood	..	...	...	...	...	...	1278 16 0
Total	...	...	...	...	...	...	<u>2578 19 0</u>

Quantity of Screened Clinker taken to Sewage Works:—							Tons Cwt. qrs.
Rhodes Bank Destructor	...	...	...	...	...	...	3101 4 0
Hollinwood Destructor	...	...	...	...	...	...	1305 9 0
							<u>4406 13 0</u>

Quantity of Baled Tins Sold							Tons Cwt. qrs.
...	...	...	...	...	...	...	464 5 0

FLAG MAKING DEPARTMENT.

							Sq. Yds.
Quantity of Flags made, 1927	...	...	...	...	...	...	16584
Do. sold	...	...	...	...	...	...	14686

HIGGINSHAW DEPOT.

Number of Tons of Shoddy Dirt Received	...	...	...	...	...	...	81
Do. Tons of Shoddy Manure Sent out by Rail	...	...	...	...	...	...	623