

[Report 1932] / Medical Officer of Health, Oldham County Borough.

Contributors

Oldham (England). County Borough Council. nb2004302054

Publication/Creation

1932

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COUNTY BOROUGH OF OLDHAM.

REPORT
ON THE
HEALTH OF OLDHAM
FOR THE YEAR 1932.

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.

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John Albinson Limited, Printers, Chapel Street, High Street, Oldham

MEMBERS of the HEALTH COMMITTEE, 1932

Mr. Alderman W. H. Bolton, J.P., Chairman.
" " T. Wrigley, J.P., Vice-Chairman.
The Mayor, Mr. Alderman Hague, J.P.
Dr. Councillor J. Low, J.P.
Miss Councillor M. Lees.
Mr. Councillor Barlow.
" " Clayton.
" " Taylor
Mrs. Councillor Slocock.

MATERNITY and CHILD WELFARE COMMITTEE.

All the Members of the Health Committee with the addition
of Mrs. Bainbridge, B.A., Mrs. Gourlay, Mrs. Jackson, and
Mrs. Gannon.

HOSPITAL SUB-COMMITTEE.

Alderman Bolton, Alderman Wrigley,
Councillors Low and Slocock.

BUILDINGS SUB-COMMITTEE.

Alderman Bolton, Alderman Wrigley,
Councillors Taylor and Clayton.

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

LADIES AND GENTLEMEN,

I herewith submit my Annual Report on the work of the Health Department and Hospitals during the year 1932.

During the year there has been no matter requiring a special report and there has been little alteration in the routine work of the Department.

On April 1st the the Municipal Hospital was entirely separated from the Institution, both as regards staff and catering. A Steward was appointed and commenced duty in charge of the Hospital on April 1st and the new kitchens took over the cooking, etc., of the food for the Hospital. The change over, took place without any difficulty and the meals can now be served much more expeditiously. Two other matters require attention to bring up the Hospital to a satisfactory standard (1) improved accommodation for the children who are very badly housed, and (2) an alteration of one of the gangways and provision of an additional lift. This alteration will allow the food, etc., to be conveyed from the kitchens to any of the wards without being taken outside, and will obviate the carrying of patients up the stairs by porters which is both difficult and not free from danger.

The residential and administrative portions of Strinesdale Sanatorium have still further deteriorated and new accommodation is urgently needed.

As regards the Housing very slow progress is being made. One house only was closed and demolished by the Local Authority. Eighteen were demolished for street improvement and three for the erection of a workshop. 104 were reported in July under the Housing Acts as unfit for habitation and are still under consideration.

With regard to the Sewage Works, improvements are in hand but though generally the results of purification have been satisfactory, the solids in the effluent are often in excess of the standard, and I am of opinion that precipitants will have to be used and perhaps an enlargement of the humus tanks. I have previously referred to the Biological treatment of the tank effluent which I think the Council would be advised to consider.

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, 1933.

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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 1911—147,483 Persons.

„ 1921—144,983 „

„ 1931—140,314 „

Decrease— 4,669 „

The corrected figures are now available and the result shows a considerable decrease in the population.

The changes of the population of the various Wards have been considerable and are largely due to the building of houses and the demolition of a large slum area. They are tabulated as follows :—

WARD POPULATIONS :—

WARD	Census Population 1921	Census Population 1931	Increase or Decrease
St. Mary's	10,986	9,870	— 1,116
St. Peter's	11,562	9,934	— 1,628
Werneth	12,113	10,922	— 1,189
Westwood	14,888	13,672	— 1,216
St. Paul's	14,863	16,279	+ 1,419
Coldhurst	10,583	7,592	— 2,991
Hartford	13,133	11,662	— 1,468
Hollinwood	9,915	12,126	+ 2,203
Clarksfield	15,824	16,015	+ 190
Mumps	8,583	7,810	— 773
St. James'	11,205	10,218	— 990
Waterhead	13,205	14,214	+ 1,008
Totals...	144,983	140,314	— 4,669

The following items are also taken from the Census returns :—

	1921	1931
Number of Inhabited Houses... ..	34,845	36,071
Number of Separate Families... ..	37,755	36,763
Average number of Houses per Acre	7·3	7·5
Average number of Persons per House	4·1	3·8
Average number of Persons per Acre..	30·6	29·6

These figures show that there has been a considerable decrease in the number of persons per house but an increase in the density of houses, though owing to the decrease of the population the density of the population has decreased.

The Ratable Value is estimated at £698,677, and the sum represented by a penny rate at £2,649.

Social Conditions.

These vary very little from those given in last year's report and the conditions of trade show little or no sign of improvement. A few of the older mills have been demolished. Although there has been a great deal of poverty in the town, the returns relating to school inspection show that there are fewer children suffering from malnutrition and from insufficient clothing than in previous years. The former is doubtless due to the supply of free meals and milk to the children requiring it.

Public Health Officers of the Local Authority.

The List of the Staff in the various branches under the control of the Health Committee was given in full in the Report for 1931, and there has been little alteration.

The Assistant Meat and Food Inspector resigned at the end of the year and a fully qualified Inspector was appointed in his place.

In the Infant Welfare Department Nurse Smart obtained another position and Nurse Bates took her place.

The Clinical Tuberculosis Officer and Deputy Medical Officer of Health, Dr. Anderson, was appointed Medical Officer of Health for Chorley, and Dr. T. Chalmers Keddie, one of the Assistant-School Medical Officers, was appointed in his place.

Of Dr. Anderson I cannot speak too highly, not only did he carry out his work with the greatest efficiency but though he was only here for about sixteen months he gained and merited the full confidence of the Medical Practitioners in the town.

He is the tenth assistant who has gone from the Department to a position of Medical Officer of Health.

HOME NURSING.

No Home Nursing is undertaken by the Health Authority.

MIDWIVES.

Including the Midwives at the Nursing Home and at the Maternity Home the number which was on the list for practising in the Borough at the close of the year was 46 the same as in the previous year. There is only one Midwife now, who was placed on the list when the Midwives Act came into force and one other who removed into the town two or three years ago. Neither of these two attend many cases. The following is a list :—

LIST OF MIDWIVES.

Name.	Address.	Number of Certificate	Date of Certificate.
Bailey, Annie	457, Ashton Road	49570	Nov. /19 (4)
Barratt, Bertha	60, Dunkerley Street ...	38797	Nov. 1/13 (4)
Billington, Annie	77, Vulcan Street	33601	June 20/1911 (4)
Bowden, Marian.....	Greenacres Maternity Home	78713	Aug. 16/30 (4)
Brogan, Mary	Oldham Nursing Assoc.	83566	(4)
Challinor, Elizabeth	26, Dickenson Street ...	480	Dec. 17/1903
Clegg, Kate.....	3, Featherstall Road S.	38861	Nov. 1913 (4)
Cockcroft, Ethel.....	28, Merton Avenue	78103	May 24/1930 (4)
Coote, Margaret.....	Greenacres Maternity Home	79428	Nov. 24/30 (4)
Corless, Elizabeth Ellen..	40, Florida Street	10733	Dec. 22/1904 (1)
Costello, A.....	69, Oldham Rd., Royton	42668	June /1915 (4)
Coupe, Elizabeth	Greenacres Maternity Home	59796	April 14/23 (4)
Crompton, Elsie	68, Abbey Hills Road ...	78778	Aug. 15/30 (4)
Cunliffe, M. E.	262, Ashton Rd.	75512	Feb. 26/28 (4)
Dalton, Caroline	12, Charter Street	54723	Aug. 13/1921 (4)
Davies, N.	2, Ruskin Street	74304	Nov. 24/28 (4)
Denton, Jane Ann	10, Elizabeth Street, Whitefield, Nr. M/c.	18831	April 27/1905 (4)
Eastwood, Annie	335, Greenacres Road ...	46434	Nov. 10/1917 (4)
Eccles, Leah D.....	49, Prince Albert Street	72684	Feb. 25/28 (4)
Ellard, Mary A.	11, Albert Street	20617	April 28/1886
Entwistle, Alice	88, Manchester Road ...	70956	May 26/27 (4)
Fitton, B. E.	29, Burnley Lane, Chadderton	56915	April 19/1922 (4)
Hargreaves, B.	12, Oriel Avenue	68953	April 29/26 (4)
Hatch, Emma.....	245, Ashton Road West, Failsworth	40388	June 22/14 (4)
Hawcroft, Elsie	251, Burnley Lane, Chadderton	57614	June 10/22 (4)
Hobday, Ethel	Greenacres Maternity Home	49239	Aug. 7/1919 (4)
Hill, Florence	331, Manchester Road...	36110	June 15/1912 (4)
Jenkinson, Mary Alice ...	29, Grasmere Road	48807	May 10/1919 (4)

LIST OF MIDWIVES—CONTINUED.

Name.	Address.	Number of Certificate	Date of Certificate
Lees, E.	780, Hollins Rd.	67682	Dec. 12/25 (4)
Lees, Jane	94, Stanley Road, Chadderton	74796	Nov. 24/28 (4)
Markwell, Hilda.....	40, Florida Street.....	61452	Oct. 8/1923 (4)
Mayall, Sarah A.	2, Esther Street	53875	April 13/1921 (4)
McGrath, Margaret	78, Featherstall Road, N	59476	Feb. 10/1923 (4)
Noton, Jane.....	29, Queen's Road, Chadderton	80423	Feb. 3/31 (4)
Passey, Clara	20, Stockport Road, Romiley, Cheshire	74448	Nov 14/1928 (4)
Platt, May	30, Lees Street, Shaw	74755	Nov. 24/1928 (4)
Reeves, Sarah Elizabeth.	176, Garforth Street..... Chadderton	41891	Feb. 20/1916 (4)
Robinson, Hilda.....	Greenacres Maternity Home	81875	Aug./31 (4)
Rushworth, Edith	8, Carrington Street, Hollinwood.	75404	Feb. 23/1929 (4)
Shaw, Martha.....	93, Henshaw Street	78523	May 24/30 (4)
Stafford, Martha Ann ...	41, Walker Lane, Springhead...	46268	Aug. 11/1917 (4)
Tetlow, M. W.	Greenacres Maternity Home	84844	Aug. 3/32 (4)
Thorp, E. A.	Oldham Nursing Association	72456	(4)
Trevitt, N.	364, Ripponden Road ...	59642	Feb. 10/1923 (4)
Wild, Hilda	17, Kersley Street	54887	Aug. 13/1921 (4)
Wilkinson, M. A.	1, Eden Street	62162	Dec. 12/23 (4)

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

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

POOR LAW MEDICAL OUT-RELIEF.

Under the Act of 1929 the Council resolved that all Medical Services with the transfer of the Poor Law Hospital should come under the control of the Health Committee and the District Medical Officers were transferred. This arrangement was found during the year to be unsatisfactory and they have now returned under the administration of the Public Assistance Committee. It is doubtful if the arrangement ever was legal

LABORATORY FACILITIES.

The facilities for general Bacteriological Examinations also remain the same. During the year 60 samples of Milk have been sent to Manchester University for examination for Tuberculosis.

A small Laboratory has been erected at the Boundary Park Hospital for the use of the Staff there

LEGISLATION IN FORCE.

No additional powers have been obtained during the year and the local Acts and Bye-laws thus remain the same

General Provision of Health Services.

The Hospitals and allied Institutions in the town are practically the same as in the previous year and are briefly enumerated as follows :—

(1) THE OLDHAM ROYAL INFIRMARY with 182 beds for in-patients, a large out-patient's Department, a fully equipped Electrical and Orthopædic Department and a

well appointed Laboratory. The Venereal Disease Clinic is at this Institution. The Convalescent Home attached to the Hospital has been temporarily closed but will probably be reopened for the summer.

(2) VOLUNTARY NURSING INSTITUTION for the supply of Nurses.

(3) A NURSING HOME thoroughly well equipped and managed by a Committee of Medical Men practising in the Borough. The fees for maintenance are fixed to cover the cost of the Institution. Maternity cases are also admitted. Medical Practitioners attend their own cases in the Institution.

(4) BOUNDARY PARK MUNICIPAL HOSPITAL. This Hospital is now conducted under the Public Health Acts and not under the Poor Law. The complete transference from the Poor Law Institution took place on April 1st, 1932. The only connection remaining is that the laundry for the Hospital is done by the Institution.

Considerable improvements in the Hospital have been completed during the year and a small Laboratory for use by the staff and a large Storeroom in the basement of one of the Hospital blocks have been completed. The two matters which ought to be dealt with at once are, better accommodation for the children and the raising of one of the communicating gangways to the level of the other floor and the provision of an additional lift for patients.

At the close of the year a Radiologist was appointed, and also a Masseuse who is also qualified in Electrical and X-Ray Treatment. The latter is also Superintendent at the Orthopædic Centre so as to effect a close association with this Centre.

An improvement in the Nursing Staff has also been effected by the appointment of additional Staff Nurses.

From the following figures it will be seen that the work in the Hospital has considerably increased.

During the year there were 800 Surgical Operations under general anæsthetic compared with 747 in 1931, and 610 Maternity Cases compared with 454. The Population served is about 236,500 of which about 94,000 belong to the County area.

The following is a summary of Patients admitted during the year:—

Number of beds (approximately)

	MEN	WOMEN	CHILDREN	TOTAL
Medical	83	68	—	151
Surgical	43	44	—	87
Children	—	—	58	58
Tuberculosis ...	6	6	8	20
Isolation	6	6	9	21
Maternity	—	26	26*	26

* Babies Cots.

Statistics relating to the Year ending December 31st, 1932.

IN-PATIENTS.

	1931	1932
1. Total number of admissions	3464	4100
2. Number of Maternity Cases admitted...	454	610
3. Number of live births	400	560
4. Number of still births	61	58
5. Number of deaths among the new-born (i.e., under four weeks of age)	46	34
6. Total number of deaths among children under one year... ..	67	57
7. Number of maternal deaths	6	6
8. Total number of deaths	515	495

	1931	1932
9. Number of patients discharged	3026	3562
10. Average duration of stay of patients, included in 8 and 9 above (total patient days divided by deaths and discharges)	26·3	25 days
11. Number of beds occupied (a) average during the period... ..	272	274
(b) highest	337	320
(c) lowest	221	230
12. Number of surgical operations under general anæsthetic (excluding dental operations)	747	800
13. Number of abdominal sections	380	247

OUT-PATIENTS.

No Out-patient Department.

Classification of in-patients who were discharged from or who died in the Institution during the year ended 31st December, 1932.

Disease Groups.	Children under 16 yrs.		Men and Women	
	Dis- charged	Died	Dis- charged	Died
A. Acute Infectious Disease	6	0	20	6
B. Influenza	2	0	17	3
C. Tuberculosis				
Pulmonary	0	0	24	11
Non-pulmonary	5	1	25	5
D. Malignant disease	0	1	52	56

CLASSIFICATION— continued.

					Children under 16 yrs.		Men and Women	
					Dis- charged	Died	Dis- charged	Died
E. Rheumatism								
(1) Acute rheumatism (rheumatic fever) together with sub-acute rheumatism and chorea					25	—	29	3
(2) Non-articular manifestations of so called "rheumatism" (muscular rheumatism, fibrositis, lumbago and sciatica)					—	—	19	—
(3) Chronic Arthritis					—	—	56	4
F. Venereal disease					—	—	11	2
G. Puerperal Pyrexia					—	—	18	1
H. Puerperal Fever					—	—	4	2
I. Other diseases and accidents connected with child bearing					1	—	148	3
J. Mental diseases					—	—	11	4
K. Senile decay					—	—	60	22
L. Violence					14	1	78	8
M. Disease of the Nervous System and Sense Organs					32	1	133	7
N. Disease of the Respiratory System					163	16	226	1
O. " " " Circulatory "					6	6	192	104
P. " " " Digestive "					43	8	295	46
Q. " " " Genito-Urinary "					14	—	207	36
R. " " " Skin					48	2	109	7
S. Other diseases					93	6	244	10
T. Mothers and Infants discharged from Maternity Wards and not included in above figures					526	23	604	6

(5) **WESTHULME INFECTIOUS DISEASES HOSPITAL**—This Hospital consists of three hospital blocks; one of which is used for Scarlet Fever,, another for Diptheria and the third a small isolation block for Typhoid and cases of mixed Infections. There is also a pavilion for 36 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 Sanatorium but the old administrative portion becomes more and more dilapidated and is really unfit for use.

(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 Authorities for cases of Tuberculosis, and was occupied as such during the whole of the year. There were no cases of Smallpox in the area.

(8) **MATERNITY HOME**—This Institution remains the same and a summary of the number of cases admitted is given on a later page. There are now 14 beds in the Hospital.

TUBERCULOSIS DISPENSARY (25, Barker Street).

VENEREAL DISEASES CENTRE—At Royal Infirmary.

MATERNITY AND CHILD WELFARE CENTRES. (See later).

DAY NURSERY. No alteration.

SCHOOL CLINICS—Two in number with two dental clinics.

MATERNITY AND NURSING HOMES—All these Institutions remain exactly the same as in the year 1931 and no comment is necessary respecting them.

ORTHOPÆDIC CLINIC.—The Isabella Greenhalgh Orthopædic Institution has been in active work throughout the year and on the days when the Orthopædic Surgeon visits, the rooms have been exceedingly crowded with patients waiting for a consultation.

AMBULANCE FACILITIES—For Infectious Cases two Motor Ambulances are kept at the Infectious Diseases Hospital and a Horse Ambulance is kept at the Disinfecting Station. For non-infectious cases the Police have taken over the removal of all these cases to Hospital. The service within an area of 10 miles, which more than covers the area for which Boundary Park Municipal Hospital is available, is entirely free. The cost of the Ambulance is borne by the Local Authorities in proportion to their rateable value. As the result of this the Public Assistance Ambulances do not remove any cases to Boundary Park Municipal Hospital with the exception of cases from the Institution.

Sanitary Circumstances of the District.

WATER SUPPLY.

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	1923	5,936,641 galls.
Do. do.	1924	6,350,203 „
Do. do.	1925	6,457,076 „
Do. do.	1926	6,568,994 „
Do. do.	1927	6,651,754 „
Do. do.	1928	7,033,203 „
Do. do.	1929	6,772,959 „
Do. do.	1930	6,595,803 „
Do. do.	1931	6,221,997 „
Do. do.	1932	6,332,197 „

Daily quantity of compensation water,

1932	3,079,288 „
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Estimated population supplied in 1932 233,416

Area of Gathering Ground of Works... 7,353½ acres

Total storage capacity of all reservoirs 2,538,500,000 galls.

Available for the domestic supply 1,829,106,000 „

Amount of water in reservoirs at

close of year, Dec. 31st, 1932... 2,388,514,000 „

At the close of the year the reservoirs contained about 33¼ weeks' supply.

The average amount of water used per head per day of the above population is about 28·34 gallons.

No complaints have been received during the year about the water supply.

RIVERS AND STREAMS.

There are no alterations in connection with these and no comments are necessary.

SEWAGE WORKS.

The coarse screens at the inlet end of the detritus tanks have been completed and have resulted in large amounts of cotton waste being intercepted. The two sprinkler filters damaged by frost have been repaired and are being refilled with clinkers.

The contact beds have been improved by the removal of the deposit of sludge on the surface and the sedimentation tanks are in a better condition than they have been for some years. The payment of 6d. per load for the removal of sludge has resulted in larger quantities being removed by the farmers. As regards the general purification of the sewage there is an excess of solids in the final effluent. This is due to the too small size of the humus tanks and to the non sedimentation of the lighter organic matter. I am of the opinion that the use of precipitant will, although expensive become necessary. They were tried some years for a brief period and the continuation of their use then recommended.

The following is the average of the Analyses during the year. The oxygen absorbed is below the standard but the solids are in excess of the standard of the River Board.

The results are expressed in parts per 100,000.

	Sewage	Tank Effluent	Final Effluent
Oxygen absorbed four hours	5.33	4.49	1.31
Free Ammonia	3.48	3.37	0.74
Albuminoid Ammonia ...	0.68	0.56	0.22
Chlorine	9.10	9.40	9.10
Nitrates and Nitrites ...	—	—	0.67
Suspended Matter, Mineral	—	—	1.74
Do. Volatile	—	—	3.88
Do. Total	—	—	5.62

Percentage of Purification—

	Oxygen Absorbed in 4 hrs.	Albuminoid Ammonia as Nitrogen
Sewage to Final Effluent ...	75.4	67.6
Do. Tanks to Final	70.8	60.7

226 Samples of Final Effluent were incubated, and of these 215 remained good and 11 were unsatisfactory.

CLOSET ACCOMMODATION AND SCAVENGING.

Very little alteration has been made in the total number of closets in the Borough. There has been a slow decrease in the number of pail closets and waste water closets. There are now 24,582 waste water and 1,429 pan closets, compared with 24,606 and 1,611 in the year 1931. Many of the pan closets cannot be demolished until requisite sewers are provided.

REFUSE.

No alterations from the method of dealing with this from that described in the previous report, has been made. There are three Destructors in the town. The arrangements are fully described in last year's report. About

1,680 tons of ashes have been tipped, the remainder, about 25,000 have been taken to the Destructor to be dealt with. Most of the clinker is taken to the Sewage Works for filter material. No complaints have been received during the year of any nuisances arising from any of these Destructors.

The following table indicates the number of the various Sanitary Conveniences in the Borough at the close of each of the last five years. These Statistics as well as those relating to the work done have been supplied to me by the Superintendent of the Carrying and Cleansing Department.

	1928	1929	1930	1931	1932
Number of Ashpits in the Borough.....	none	none	none	none	none
„ Ashcans „	34585	34862	36524	36681	36860
„ Sanitary Pans „	1885	1867	1656	1611	1429
„ Water Closets „	10015	10235	10563	11127	11347
„ Waste-water Closets in the Borough	24778	24638	24623	24606	24582
„ Latrines (Clean Water) in the Borough	2953	2930	2921	2906	2906

WATER CARRIAGE DEPARTMENT.

REPORT OF WORK DONE FOR THE YEAR ENDED DECEMBER, 1932.

	W.W.C's	W.C's	Latrines	TOTAL
No. of Blockages cleared ..	5510	—	45	5555
No. of Drains cleared	—	—	—	207
Drains found blocked, requiring excavating	—	—	—	281
Tippers found not working and re-adjusted	—	—	—	273
Tippers, Fittings, &c., found broken	—	—	—	1147
New Tippers, Fittings, &c., fixed	—	—	—	1368
Visits paid Flushing Latrines, &c.	—	—	—	10520

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.

REPORT OF THE CHIEF INSPECTOR FOR THE YEAR, 1932.

20th February, 1933.

TO THE MEDICAL OFFICER OF HEALTH.

SIR,

I have pleasure in presenting to you my Report of the work of your staff of Inspectors for the past year.

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

Food Inspection—The visits to premises where food is prepared or deposited for sale, numbered 23,331. As a result of these visits almost 19 tons of diseased or unsound food was destroyed. In no case was a seizure made, the whole being surrendered by the vendors. During the year 285 cases of Tuberculosis in Animals were reported, in addition 196 cases were found, making a total of 481 cases, of these 242 occurred in cattle and 239 in swine.

Slaughterhouses—We began the year with 34 Slaughterhouses on the register. During the year none were added to the register, and none were lapsed.

Dairies and Cowsheds—These premises have been inspected during the year.

Bacteriological Examination of Milk—During the year 60 year samples of milk have been examined for Tuberculosis as follows:—38 samples from 428 cows on 38 farms within the Borough, one cow being found affected with Tuberculosis, which was slaughtered under the provisions of the Tuberculosis Order 1925; 22 samples from 453 cows on 21 farms outside the Borough, three cows being found affected, these three cows were slaughtered under the provisions of the Tuberculosis Order 1925 by the Lancashire County Council.

Samples of Food and Drugs—During the year 137 samples were obtained under the Food and Drugs Acts, and 28 samples were obtained informally, making a total of 165 samples, all of which were submitted to the Borough Analyst. This is a decrease of 38 samples when compared with the previous year

Smoke Inspection—During the year 912 observations were made. In four cases the limit was exceeded and in three cases it was approached and reported to the Medical Officer of Health. The four cases which exceeded the limit were dealt with as follows:—a legal notice was served on three offenders and one was cautioned by the Health Committee.

Inspection of Nuisances—During the year 3244 notices were served for the abatement of nuisances, of these 3115 were remedied during the year. In connection with these nuisances 13767 re-visits were paid during the year.

Closet Accommodation — During the year 133 additional Closets were provided for houses, and 29 additional Closets for workshops. Since we began this work 2,898 additional Closets have been provided.

House Inspection—During the year 5,485 houses were inspected under the Housing Act, and Public Health Act. A notice to cleanse was served on 35 occupiers, 34 of which were complied with before the end of the year. The number of houses found defective amounted to 1236, of these 1090 were repaired during the year.

Houses Let-in-Lodgings—During the year 9,053 visits were paid, resulting in the serving of 24 notices to cleanse, 67 notices to repair, 20 notices for overcrowding, 26 notices for the separation of sexes, 13 notices for failing to register, 21 notices for other defects and 5 notices for additional water closets, a total of 176 notices, of which 159 were complied with during the year. During the year 19 houses containing 108 rooms have been added to the register, and 14 houses containing 61 rooms have been lapsed.

At the end of the year we had 142 houses containing 781 rooms on the register.

Infectious Diseases—The number of visits paid amounted to 380, a decrease of 203 when compared with the previous year. In addition 38 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, which shows only a slight alteration from the previous year :—

Total number of Lodging Houses	...	...	11
Total Nightly Accommodation...	...	...	818
Total Accommodation reserved for Females	...	...	82
No. of Lodging Houses receiving Women only.			2

2. **Houses Let-in-Lodgings**—These remain much the same as in the previous year.

3. **Furnished Rooms**—There is an increase in the number of furnished rooms in the Borough. The number of such rooms on the Register in December, 1931 was 734 compared with 781 in December, 1932. All these are visited at least once per month by the Inspectors and during the year 9,053 visits were paid.

These premises are very profitable undertakings and vacant houses in residential districts have been converted to this use to the great annoyance of the residents and the deterioration in value of their property. In many instances the rents charged are exorbitant having no relation to the value of the accommodation.

Constant inspection keeps them clean and free from overcrowding but there is little or no control over the disorderliness of the tenants in some of the houses.

OFFENSIVE TRADES.

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

OFFENSIVE TRADES.					1931.	1932.
Tripe Boilers	...	..	...	...	8	7
Marine Stores	...	...	...	...	9	10
Grease Works	...	...	...	...	2	2
Gut Scrapers	...	...	...	...	3	3
Hide and Skin Depots	...	...	...	...	2	2
Chemical Works	...	...	...	...	1	1
					<hr/> 25	<hr/> 25

SMOKE ABATEMENT.

Owing to the lack of trade in the Borough many of the mills have been stopped and smoke observations have, of course, been unnecessary, and the number of observations taken have been fewer in number. In four cases out of the 912 observations the limit allowed by the Corporation was exceeded. In three cases it was the first offence and the

usual legal notice was served. In the other case a representative appeared before the Health Committee and was cautioned against a repetition of the offence.

The measures for the establishment of a Regional Smoke Abatement Committee which seems the only solution of the smoke problem, is, owing to the state of the trade, still in abeyance.

FACTORIES AND WORKSHOPS.

The Factories are visited where necessary for the remedying of nuisances. The Workshops are regularly visited. In all 411 visits were paid and 31 notices for the remedying of defects were issued and 27 were complied with by the end of the year.

The following is a list of Workshops on the Register at the close of the year.

The number has decreased from 374 to 356 during the year.

There are no outworkers in the Borough as far as is known.

The following is a list of the Workshops registered :—

Blacksmiths	7	Laundries	10
Blind Manufacturers...	1	Machine Brokers	8
Bottlers (Beer)	3	Mantle Makers	6
Brass Founders	1	Marine Stores	10
Brush Makers	1	Milliners	30
Cabinet Makers	3	Mineral Water Manufacturers	1
Carriage Builders	1	Picture Framers	1
Cartsheet Manufacturers	2	Plumbers	8
Cloggers and Boot Shoe Repairers	86	Printers	3
Coffin Makers	3	Roller Coverers	2
Cotton Waste Dealers	25	Rope Makers	1
Curriers	3	Saddlers	4
Cycle Makers and Motor Engineers	12	Saw Cutters	2
Dentists	4	Scale Makers	3
Dress Makers	17	Shoe Makers	4
Dyers	1	Skip Makers	4
Electricians	4	Tailors	18
Electro-Platers	1	Tile Fitters	2
French Polishers	1	Tinsmiths	13
Heating Apparatus Manufac- turers	1	Umbrella Manufacturers	1
Hosiery & Stocking Knitters	3	Upholsterers	4
Ice Cream Manufacturers ...	9	Watch Repairers ..	4
Iron Founders	2	Wire Workers	1
Joiners	10	Wheelwrights.....	4
		Wringing Machine Manufac- turers	1
		Sundry Trades	10

CARAVANS.

The number of these in the Borough has not altered much during the year and pending the increase in the housing accommodation little action has been taken except as regards the prohibition of new ones.

SCHOOLS.

The arrangements are the same as in the previous year and a separate report has been issued.

With the exception of the Medical Officer of Health who is also Superintendent School Medical Officer the Medical and Nursing Staffs of the Health and School Medical Service are distinct but there is co-ordination between them through the Medical Officer of Health being in charge of the services.

HOUSING.

HOUSING CONDITIONS. — There is still a considerable demand for houses from the inhabitants in the Borough and a large number of applicants are on the Register of the Housing Department for new houses. The decrease in the population and the number of new houses has been referred to on another page.

Oldham is, to a part extent, built up and there is very great difficulty in obtaining sites on which the Corporation can build houses, most of the vacant land is unsuitable for building purposes and is also a considerable distance from the business part of the town. The ordinary workman cannot afford the daily expense of conveyance from such districts to his work.

In August, 1932, nine areas containing one hundred and four houses were formally represented as insanitary and unfit for habitation. They are still under the consideration of the Health Committee.

The following Statistics give particulars of the work in connection with Housing during the year :—

Statistics for the year, 1932.

Number of new houses erected during the year 1932 :—

(a) Total

(i) By the Local Authority	... ..	198
(ii) By other Local Authorities...	... ..	Nil
(iii) By other bodies or person	... ..	71

(b) With State assistance under the Housing Acts:

(i) By the Local Authority	.. ...	198
(a) For the purpose of Part II of Act 1925 ..		Nil
(b) For the purpose of Part III of Act 1925...		Nil
(c) For other purposes	... ..	198
(ii) By other persons	... ..	71

1—Unfit Dwelling Houses.

INSPECTION :—

(1) (a) Total number of dwelling houses inspected for housing defects (under Public Health or Housing Acts),	...	5485
(b) Number of Inspections made for the purpose	... ..	13767
(2) (a) Number of dwelling houses (included under sub-head (1 above) which were inspected and recorded under the Housing Consolidated Regulations		
1925	... ..	3033

(b) Number of Inspections made for the purpose	7614
(3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ...	1
(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 ...	1236

2—Remedy of defects during the year without service of formal Notices.

Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authority or their Officers ...	656
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3—Action under Statutory Powers during the year.

(a) PROCEEDINGS UNDER SECTIONS 17, 18 and 23 OF THE HOUSING ACT, 1930 :	
(1) Number of dwelling houses in respect of which notices were served requiring repairs	300
(2) Number of dwelling houses which were rendered fit after service of formal notices :	
(a) By owners	281
(b) By Local Authority in default of owners	5
(b) PROCEEDINGS UNDER PUBLIC HEALTH ACTS.	
(1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied	151

(2) Number of dwelling houses in which defects were remedied after service of formal notices :	
(a) By owners	148
(b) by Local Authority in default of owners	Nil
(c) PROCEEDINGS UNDER SECTIONS 19 AND 21 (21) OF THE HOUSING ACT, 1930 :	
(1) Number of dwelling houses in respect of which Demolition Orders were made ...	Nil
(2) Number of dwelling houses demolished in pursuance of Demolition Orders ..	Nil
(d) PROCEEDINGS UNDER SECTION 20 OF THE HOUSING ACT, 1930 :	
(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made	1
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit... ..	Nil
(e) PROCEEDINGS UNDER SECTION 3 OF THE HOUSING ACT, 1925 :	
(1) Number of dwelling houses in respect of which notices were served requiring repairs	Nil
(2) Number of dwelling houses which were rendered fit after service of formal notices :	
(a) By owners	Nil
(b) By local authority in default of owners	Nil

(3) Number of dwelling houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close	Nil
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(f) PROCEEDINGS UNDER SECTIONS 11, 14,
AND 15 OF THE HOUSING ACT, 1925 :

(1) Number of dwelling houses in respect of which Closing Orders were made	Nil
--	--------	-----

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

(3) Number of dwelling houses in which Demolition Orders were made	Nil
--	--------	-----

(4) Number of dwelling houses demolished in pursuance of Demolition Orders	6
--	--------	---

The following houses were voluntarily closed :—

HOUSES VOLUNTARILY CLOSED.

Total Number Closed.	NATURE OF HOUSE.			REASON FOR CLOSING.
	Through	Single.	Back to Back	
1	1	—	—	Unfit for Habitation
8	—	8	—	Demolished for Road
1	1	—	—	Demolished for Street Improvement
9	8	1	—	Demolished for Street Improvement
1	—	—	1	Converted to through House
3	3	—	—	Demolished. Workshop Built

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.
1	1	—	—	—	6	6*	—

* Closing Order made the previous year.

CLASS OF HOUSES CLOSED.

No. Closed	Through	Single	Under Dwellings
1	—	1	—

The following table gives a summary of the houses inspected, and the conditions found during the past 10 years, with a summary for that period:—

NUMBER OF HOUSES INSPECTED (House to House).

	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	Total
No. of Houses.	4210	5207	4984	3519	6214	5869	2600	5855	5645	5485	49588
Overcrowded ...	2	2	16	11	21	46	33	58	9	14	212
Structurally Defective ..	365	1977	2226	2023	2456	1773	1042	1422	1267	1236	15787
Dirty Houses	81	104	79	43	76	86	53	66	23	35	646
Defective Roofs	400	759	586	440	662	819	544	826	803	731	6570
Percentage of Defective H'ses	7.4	37.9	44.6	55.3	39.52	30.2	40.07	24.2	22.4	22.5	31.84
Percentage of Dirty Houses	1.92	2.7	1.58	1.22	1.06	1.46	2.3	1.12	4.07	6.37	1.302
No. of Notices.. Served.....	857	1298	1107	817	1358	1508	1016	1982	1539	1525	13007

Inspection and Supervision of Food.

(A). Milk Supply—There are very few dairy farms within the Borough, the number 34, is the same as in the previous year.

The number of Cowsheds on these farms is 75. The number of visits to these premises during the year was only 91 a considerable decrease from previous year. This will be altered during the ensuing year.

In Table 27 will be found the number of Registered Purveyors of Milk. The Oldham Farmers number 34, those from outside areas 158.

Two persons are licensed to Sell Certified Milk : one to pasteurise Milk and 29 to Sell Pasteurised Milk.

During the year 60 samples of Milk were purchased for examination for the presence of the Tubercle Bacillus.

The following table gives particulars relating to these.

In all the positive samples the farms from which the Milk came was visited either by the Oldham Staff or by the County and the animals giving the infected supply traced and slaughtered.

BACTERIOLOGICAL EXAMINATION OF MILK

SUMMARY FOR 1932.

Samples obtained from	No. of Cows Dry	Negative			Positive			Totals			Percentages	
		Samples	Farms	Cows	Samples	Farms	Cows	Samples	Farms	Cows	Samples	Cows
OLDHAM FARMS ...	30	36	30	427	2	1	1	38	31	428	5.26	0.23
OTHER FARMS ...	27	19	18	450	3	3	3	22	21	453	13.64	0.66
TOTALS	57	55	48	877	5	4	4	60	52	881	8.33	0.45

(B). Meat Supply—There are 34 Slaughter Houses on the Register. 9419 visits have been paid to them for the Inspection of Meat, &c.

It was not necessary to serve notices for any defect.

There is no public Abbatoir 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	No. of Samples	Description of Sample	Genuine	Not Genuine	Summoned before Magistrates	Cautioned by Committee
2	118	Milk	116	4	—	(Two samples below standard followed by two appeal to cow samples also below standard. Informal sample.
6	3	Cream	8	1	—	
—	8	Whisky	8	—	—	
—	8	Rum	8	—	—	
3	—	Coffee	3	—	—	
4	—	Rice	4	—	—	
3	—	Pepper	3	—	—	
2	—	Pearl Barley..	2	—	—	
1	—	Baking Powder	1	—	—	
6	—	Sausage	6	—	—	
27	137		159	5		

RAG FLOCK ACT

2. Informal flock samples marked 1^B and 20^A
5. Formal samples marked 2^B, 3^B, 4^B, 5^B flocks. 6^B pulled cotton.

As regards the Milk the Analyst reports that the average percentage of milk fat was 3.85 and of non fatty solids 8.97 for the year.

Maternity and Child Welfare.

1. MIDWIVES—

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

They are visited and their bags, appliances and books inspected by the Superintendent Nurse at the Infant Welfare Centre, who paid 250 visits to them during the year, an average of about six visits to each of those in private practice.

2. HEALTH VISITORS.—The arrangements have not been altered from those in the previous year except one change previously referred to in the *personnel* of the staff.

3. WELFARE CENTRES.—There are six Branch Centres in town, each under the control of the Health Visitor for the District. Statistics of attendances are given below.

There is also one Centre adjoining the Town Hall, which is open all day. At this Centre besides the usual Welfare routine there is an Infant Clinic and the Antenatal Centre. The Distribution of Free Milk, &c. is carried out here,

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

The following figures give statistics of the work at this Centre.

TOWN HALL INFANT WELFARE CENTRE

	1931	1932
Number of Cases on the Books	603	592
Total Number of Attendances	8065	8498
Number of Meetings	160	160
Average Number at each Meeting	50	53
Average Attendance per Mother	13	14

Cases recommended for Treatment at the Orthopaedic Institute

Cases sent to Mr. Poston	12
„ „ for Sunlight treatment	27
„ „ for Massage	—

INFANT CLINIC.

This is held at the above Centre and the following table gives particulars of those attending. No actual Medical Treatment is given, cases requiring this are referred to their own Doctor or a Hospital.

	1931	1932
Total number of Visits to Clinic	1521	1489

SUMMARY OF CASES WHICH ATTENDED AT THE CLINIC.

Disease	No. of Cases	Visits to Clinic	Cured	Under Treatment	Improved	Sent to Hospital
Septic Umbilicus ...	47	144	34	9	4	1
Deformities & Rickets	61	260	5	29	27	28
Hernia	20	84	15	3	2	3
Circumcision	20	63	12	4	4	11
Sore Eyes	17	54	9	4	4	7
Marasmus	69	284	16	28	25	10
Skin Eruptions ...	54	189	34	15	5	5
Ear, Throat & Nose	35	84	17	8	10	22
Sundries... ..	116	327	59	34	23	6
Total ...	439	1489	201	134	104	93

ANTE-NATAL CASES.

The following are statistics of the Ante-natal Centre. The Assistant Medical Officer has usually two sessions per week and the consulting Obstetrician attends to see special cases on the first Tuesday in the month.

Very few of the Medical Practitioners in the town or of the Midwives have taken advantage of the opportunity of a consultation available. From the following table it will be seen that there is a gradual increase in the number of Expectant Mothers who attend. Last year in more than one-fifth of the confinements the Mothers had attended the Clinic.

The following table gives details of the results.

	1931	1932
No. of Cases...	407	445
Doctor's Consultations...	864	912
Dr. Bailey's Consultations	126	99
Total No. of Attendances	1473	1426
Average Attendance per Case	4	3
Normal Confinements	269	311
Instrumental Confinements	48	29
Doctor in Attendance at Confinement...	69	54
Referred to Oldham Hospitals	97	140
Born in	84	129
Referred to Manchester Hospitals	7	12
Born in	5	2
Referred to Greenacres Maternity Home	154	122
Born in	133	105
Stillbirths	14	4
Miscarriage	3	3
Cases still attending	75	85
„ left the district	5	10
„ not pregnant	7	7
Visits paid to Midwives	250	250
Medical Help Forms	362	286

BRANCH CENTRES.

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

	Hollin-wood Centre	York Street	Overens Street	Lord Street	Copster Hill	Ripp'nd'n Road	Total
No. on Books ...	351	277	500	393	252	272	2045
Attendances—							
Mother & Child	4678	6051	6739	4253	4179	3630	29530
Av. Attendance	102	132	147	96	95	77	108
Av. Attendance per Mother ...	13	22	14	10	17	13	15
No. of Meetings	46	46	46	45	47	47	277

Anti-natal Cases are all dealt with at the Town Hall Centre.

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

	1931	1932
First Visits to Infants under 1 year ...	1832	1701
Total Visits to Infants under 1 year ...	7130	6060
Total Visits to Children 1 to 5 years ...	12455	12347
First Visits to Expectant Mothers ...	312	262
Total Visits to Expectant Mothers ...	447	433
Opthalmia Cases Visited	11	16
Puerperal Fever and Pyrexia Visited ...	28	25
Visits to Measles	885	1202
„ Mumps	735	82
„ Whooping Cough	407	586
„ Poliomyelitis	1	—
„ Chicken Pox	797	486
„ Infant Deaths	191	133
„ Sundry Enquiries	687	822
Total Visits to Infectious Cases	2864	2397

INFANTILE MORTALITY.

The following figures give the principal statistics relating to Infant Mortality. The corrected death rate for infants under one year, per 1,000 births, was 83 compared with 105 in the previous year. The following figures divide legitimate and illegitimate births.

	Legitimate	Illegitimate	Total
Births	1690	101	1791
Deaths (under 1 year) ...	138	11	149
Death rate per 1,000 births	81	109	83
Still-births	88	6	94

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

	1928	1929	1930	1931	1932
Infectious Diseases	6	29	39	5	17
Premature Births	61	40	38	51	35
Atrophy, Debility & Marasmus	30	37	17	30	20
Diarrhoea & Digestive Diseases	17	12	11	9	12
Tubercular Diseases	0	1	5	1	1
Respiratory Diseases	32	64	42	66	35
Convulsions	11	8	13	6	1
Syphilis	4	3	5	1	—
Other Causes	20	27	35	34	28
Total	181	221	205	203	149

Although Measles has been prevalent especially among School Children, there were only five deaths from this disease in children under one year.

There were also nine deaths from Whooping Cough and one from Cerebro Spinal Meningitis. Deaths from Respiratory Diseases are much fewer.

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	365	22·7	18	49
Hollinwood	110	9·0	15	136
St. Paul's	122	7·4	15	123
Werneth	98	8·9	5	51
St. Peter's	77	7·7	14	181
St. Mary's	87	8·9	6	69
Westwood	647	47·3	6	9
Waterhead	135	9·4	14	103
Mumps	94	12·0	16	170
St. James's.....	95	9·3	12	126
Hartford	91	7·8	11	120
Coldhurst	66	8·6	13	196
Transferred Births and Deaths	—196		+4	
Borough	1791	12·8	149	83

MATERNAL DEATHS. There were 10 deaths attributed to childbirth. Three of them were due to Sepsis and seven to other conditions. This gives a total rate of 5·5 per 1,000 births compared with 6·2 in the previous year.

Convulsions 2 ; Placenta Prævia and Hæmorrhage 3 ; one to Albuminuria and one to collapse during operation after confinement.

NOTIFICATION OF BIRTHS.—Out of the total number of Births 1,329 were notified by Midwives and 710 by Parents and Doctors. The Stillbirths notified numbered 115, of which 7 were illegitimate.

FREE MILK.—The applications for free milk have enormously increased during the year, due to the great amount of unemployment and short time.

Virol, Cod Liver Oil, &c., are also supplied when ordered by the Doctor of the Welfare Centre and when the income of the family is under the scale fixed by the Health Committee.

The cost of Dried Milk and those Articles supplied free during the year was £1539 7s. 10d.

The cost of the Milk supplied by Farmers and Dairymen during the year was £1085 0s. 6d.

MEDICAL AID was sought by Midwives in 286 cases compared with 362 in the previous year, and in the financial year 177 claims were made by the Doctors summoned, for fees amounting to £240 4s. 6d.

The repayments during the financial year amounted to £65 19s. 0d., compared with £82 9s. 6d., in the previous year. The great amount of unemployment is influencing the repayments considerably.

OPHTHALMIA NEONATORUM. — Only 13 cases were notified during the year. All are kept under observation by the Health Visitors. The following gives the termination of the cases. It is some years since a case occurred in which the Eyesight was very seriously impaired.

Attended at confinement by Midwives	...	11
" " Doctors	... ..	2
Vision Unimpaired	... ..	12
Vision Impaired Slightly	... ..	1
Vision Impaired Severely	... ..	—
Blind	... ..	—
Died from other causes...	... ..	—
Still under Treatment	... ..	—
Treated at Hospital	... ..	—
Treated by Private Practitioners	... ..	13
Not Ophthalmia	... ..	—

Each certified Midwife is supplied with Argentum Collosol for application to the eyes of the newly born. The absence of serious Ophthalmia would indicate the beneficial effects.

LECTURES.—During the winter the usual course of Lectures was given to the Midwives in the town, and the Nursing Staff.

These were attended not only by our own Staff but by some Midwives from outside Districts.

LECTURE I. **November 18th. "Milk as a Food and its Dangers."**

J. T. CHALMERS KEDDIE, M.B., Ch.B., D.P.H.,
Deputy Tuberculosis Officer, Oldham.

LECTURE II. **December 2nd. "Menstruation—Facts and Fallacies."**

DR. LEITCH, M.B., Ch.B.
Assistant Medical Officer of Health.

LECTURE III. **December 16th. "Mental Deficiency in Childhood."**

DR. SIMON KELLY, M.B., Ch.B., D.P.H., M.R.C.P., London.
Hon. Physician, Victoria Memorial Jewish Hospital, Manchester.

LECTURE IV. **January 20th. "Puerperal Sepsis."**

DR. K. V. BAILEY, M.C., M.D., Ch.B.,
Lecturer, Obstetrics and Gynecology, University of Manchester.

LECTURE V. **February 2nd. "Tuberculosis."**

DR. JAMES B. WILKINSON, M.D., C.M., D.P.H.
Medical Officer of Health.

LECTURE VI. **February 17th. "Diseases of Metabolism in
Young Children."**

DR. KING MAY ATKINSON, M.B., Ch.B.,
Late Assistant 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 Hospitals available for Cases are :—

1. Strinesdale Sanatorium. 42 Beds—Pulmonary.
2. Westhulme Hospital. 30 „ „
3. Boundary Park Municipal Hospital. 15 Beds—Non Pulmonary.
4. Occasionally special cases are sent to other Sanatoriums in the Country.
5. Gland and Skin Cases are treated at the Orthopædic Centre by Artificial Light.

The use of the X-Ray apparatus at the Isabella Greenhalgh Institute has considerably increased. During the year 255 skiagrams were taken as compared with 189 for the previous year.

All new notified cases of Pulmonary Tuberculosis, all chest cases sent for the opinion of the Clinical Tuberculosis Officer and contacts with suspicious signs and symptoms or a heavy family infection are X-Rayed.

In addition those cases in Sanatorium who show slight physical signs after a six months stay and appear well are again examined radiologically. By this method we can determine more accurately the extent of the disease and later the amount of cure affected.

A small number of patients come to us through the Oldham Royal Infirmary, either by notification or at the request of one of the Honorary Medical Staff. In all these cases a radiogram has been taken by the Honorary

Physician in charge of the X-Ray Department and he very kindly lends us the film, thus saving us considerable time and trouble. During the year fifty films were borrowed and I should like to express my appreciation and gratitude to him for his kind co-operation.

General co-operation exists between the Department and the local practitioners. The number of new patients sent to the Dispensary for the opinion of the Tuberculosis Officer was 240, an increase of 38 over the previous year. Of these 85 were found to be suffering from Tuberculosis and 155 were Non-Tuberculous.

It is interesting to note that 85 new cases (45·7%) were seen by the Clinical Tuberculosis Officer before notification.

The following is a Summary of the deaths and notifications during the year.

1932

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 to 5	...	...	3	1	...	...	1	1
5 to 10	2	1	6	8	...	...	...	2
10 to 15	3	3	8	2	...	...	3	...
15 to 20	6	7	4	2	3	3	...	1
20 to 25	11	11	9	4	7	12	...	1
25 to 35	10	18	7	6	7	11	2	1
35 to 45	20	6	2	2	17	7	...	1
45 to 55	12	10	3	3	12	6	1	2
55 to 65	8	3	1	1	15	1	...	...
65 and upwards	5	...	1	1	3	...	1	1
TOTALS	77	59	44	31	64	40	8	11
1932	136		75		104		19	
1931	169		80		108		25	

During 1932 there were 123 deaths from Tuberculosis, a death rate of 0·87 per 1000 of the population, which compares with 133 for 1931, and a death rate of ·937.

There were 17 deaths (13·8%) which escaped statutory notification as tuberculosis cases during life. Of these there were 10 Non-Pulmonary, which on the total deaths from this form of the disease equalled 52·6%. An analysis of these cases is interesting. In six cases death occurred in hospital and was due to

Tubercular Enteritis	...	...	...	...	1
„ Peritonitis...	...	...	...	...	1
„ Meningitis	...	...	...	...	4

The remaining cases died at home,

Tubercular Meningitis...	...	...	...	...	1
„ Kidney	...	...	...	...	1
„ Spine...	...	...	...	...	1
Amyloid Disease of Kidney and Tuberculosis Ribs	...	...	...	...	1

Four of the hospital cases were notified after death and one death took place under observation in Westhulme so that only 5 cases escaped our investigation and control.

PUBLIC HEALTH REGULATIONS, 1925.

It was not necessary to take any action as regards Tuberculosis Employees in the Milk trade.

PUBLIC HEALTH ACT, 1925.

No cases were removed compulsory to hospital.

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

Cotton Operatives	...	...	...	...	...	63
Ironworkers	...	...	...	...	...	5
Textile Machinery Workers	...	...	...	...	...	13
Labourers	...	...	...	...	...	11
Housework	...	...	...	...	...	23
Other Occupations	...	...	...	...	...	33
School...	...	...	...	...	...	29
No Occupation	...	...	...	...	...	9
Total						<u>186</u>

The number of new cases ascertained otherwise than by notification were :—

Pulmonary...	...	...	...	...	...	10
Non-Pulmonary...	...	...	...	...	...	15

Of these 8 were "removals in" from other authorities and 17 were obtained from the district Registrar's death returns.

ATTENDANCES AT DISPENSARY.

Insured Persons and	1930	1931	1932
Ex-Service Men	1,129	1,219	1,267
Non-Insured	236	276	221
Children	938	600	587
Totals	<u>2,303</u>	<u>2,095</u>	<u>2,075</u>

The number of contacts examined was 63, a slight increase on last year. This figure is extremely low and is largely due to the reluctance of adults to come up for examination.

The Number of School Exemption Certificates furnished to the Local Education Authority was 33.

Number of Sputum Examinations—Positive	...	135
do do —Negative	...	603
Total	...	<u>738</u>

Number of Reports to Ministry of Pensions :—

To Area Officer, Manchester...	...	42
Total	...	<u>42</u>

Total number of visits to homes by Tuberculosis Nurse, 889.

Sanatorium Treatment

STRINESDALE SANATORIUM.

	1931	1932
Patients admitted	96	82
Patients discharged	90	69
Patients died	7	12

Of the Patients discharged during 1932, 11 showed no increase in weight.

The average increase in the weight of the remaining 58 was $14\frac{1}{2}$ lbs.

The maximum increase of any one patient being $29\frac{1}{2}$ lbs.

WESTHULME HOSPITAL.

	1931	1932
Patients admitted.	95	88
Patients discharged	64	56
Patients died... ..	20	34

BOUNDARY PARK MUNICIPAL HOSPITAL.

	1931	1932
Patients admitted... ..	53	65
Patients discharged	41	52
Patients died... ..	20	12

In addition to the above figures for 1932, which relate to definite cases only, the following were admitted for observation purposes, viz. :—Strinesdale 4, Westhulme 18, and Boundary Park Municipal Hospital 8.

Of these, 3 were still under observation at the end of the year, and the diagnosis on discharge of the remainder will be found in Table II C.

DEATHS, 1932.

Occupations of Patients who have died of Tuberculosis.

Occupation	Pulmonary	Non-Pulmonary
Cotton Operatives	32	2
Ironworkers	6	2
Textile Machinery Workers ...	12	1
Labourers	9	—
House-duties	19	4
Scholars	—	6
Shop Assistants	4	—
Clerks... ..	1	—
Confectioners	1	—
Electrical Workers	2	—
Printers Assistant	—	1
Joiners	3	—
Meter Fitter	1	—
Stoker	1	—
Salesman	1	—
Picture Frammer	1	—
Engineer	1	—
Teacher	1	—
Tram Conductor	1	—
Watchman... ..	1	—
Engine Driver	1	—
Fruiterer	1	—
Tin Plate Worker	1	—
Baker's Assistant	1	—
No Occupation	3	3
Totals	<u>104</u>	<u>19</u>

DEATHS FROM TUBERCULOSIS

The following tabulation shows the decrease in the number of deaths from Tuberculosis since the adoption of a scheme in the year 1914. The average for the previous five years was 250 deaths per annum.

Year	Pulmonary		Non-Pulmonary		Total	Rate per 1,000 Population	
1915	...	203	...	64	267	...	1·8
1916	...	203	...	53	256	...	1·8
1917	...	178	...	52	230	...	1·7
1918	...	160	...	59	219	...	1·5
1919	...	130	...	42	172	...	1·4
Average	...	175	...	54	229	...	1·6
1920	...	156	...	40	196	...	1·3
1921	...	122	...	34	156	...	1·0
1922	...	142	...	53	195	...	1·3
1923	...	127	...	53	180	...	1·2
1924	...	126	...	51	177	...	1·2
Average	...	135	...	46	181	...	1·2
1925	...	121	...	29	150	...	1·0
1926	...	112	...	47	159	...	1·1
1927	...	104	...	22	126	...	0·8
1928	...	115	...	24	139	...	0·9
1929	...	144	...	24	168	...	1·1
Average	...	119	...	29	148	...	1·0
1930	...	103	...	36	139	...	0·9
1931	...	108	...	25	133	...	0·9
1932	...	104	...	19	123	...	0·8

Since we now have a complete scheme for the care and treatment of all types of Tuberculosis, much less use is made of Hospitals and Sanatoria outside the Borough.

On December 31st the following were the only patients in these Institutions :—

Shropshire Orthopædic Hospital, Oswestry	4
City Sanatorium, Edinburgh	1
Liverpool Hospital for Children, Leasowe	1

The following Tables in the forms prescribed by the Ministry of Health give full details of the work carried out during the year as regards Tuberculosis.

Summary of Notifications during the period from the 3rd January 1932, to the 31st December, 1932,
Part I.
in County Borough of Oldham.

Age-periods	FORMAL NOTIFICATIONS.											
	Number of Primary Notifications of New Cases of Tuberculosis.											Total Notifications
	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 (All Ages)
Pulmonary Males	82
" Females	63
Non-pulmonary Males	41
" Females	30

SUPPLEMENTAL RETURN.

New cases of Tuberculosis coming to the knowledge of the Medical Officer of Health during the above-mentioned period, otherwise than by formal notification.

Part II.

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
Pulmonary Males	8
" Females	2
Non-Pulmonary Males	8
" Females	7

SOURCE OF INFORMATION.	No. OF CASES.	
	Pulmonary	Non-Pulmonary
Death Returns { from local Registrars
Posthumous Notifications { transferable deaths from Registrar General
Transfers from other areas (other than transferable deaths)
Other sources if any (Specify)

NOTIFICATION REGISTER,

Part III.

	PULMONARY			NON-PULMONARY			Total Cases
	Males	Females	Total	Males	Females	Total	
Number of Cases of Tuberculosis remaining at 31st December, 1932, on the Notification Register	361	184	545	146	155	301	846
Number of Cases removed from the Register during the Year by reason of <i>inter alia</i> of :—							
1—Withdrawal of Notification... ..	6	8	14	3	4	7	21
2—Recovery from the Disease	10	5	15	5	5	10	25
3—Death	68	42	110	12	12	24	134

TABLE I.

(A) Return showing the work of the Dispensary during the year 1932.

DIAGNOSIS.	PULMONARY.				NON-PULMONARY.				TOTAL.				Grand Total	
	Adults		Children		Adults		Children		Adults		Children			
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		
A.—NEW CASES examined during the year (excluding contacts) :—														
(a) Definitely tuberculous	68	48	5	2	20	10	12	12	88	58	17	14	177	
(b) Diagnosis not completed	—	—	—	—	—	—	—	—	2	2	2	—	6	
(c) Non-tuberculous	—	—	—	—	—	—	—	—	59	55	43	78	235	
B.—CONTACTS examined during the year :—														
(a) Definitely tuberculous	2	2	—	2	—	—	—	—	2	2	—	2	6	
(b) Diagnosis not completed	—	—	—	—	—	—	—	—	—	—	—	1	1	
(c) Non-tuberculous	—	—	—	—	—	—	—	—	4	8	15	29	56	
C.—CASES written off the Dispensary Register as—														
(a) Recovered	9	4	1	1	1	1	4	4	10	5	5	5	25	
(b) Non-tuberculous	—	—	—	—	—	—	—	—	69	68	61	111	309	
D.—NUMBER OF CASES on Dispensary Register on December 31st :—														
(a) Definitely tuberculous	321	156	35	28	87	96	55	51	408	252	90	79	829	
(b) Diagnosis not completed	—	—	—	—	—	—	—	—	2	2	2	1	7	

Table 1 — continued.

1. Number of cases on Dispensary Register on January 1st	838	8. Number of visits by Tuberculosis Officers to Homes (including personal consultations)	145
2. Number of cases transferred from other areas and cases returned after discharge under Head 3 in previous yrs.	16	9. Number of visits by Nurses or Health Visitors to Homes for Dispensary purposes	889
3. Number of cases transferred to other areas, cases not desiring further assistance under the scheme, and cases "lost sight of"	48	10. Number of— (a) Specimens of sputum, etc., examined (b) X-ray examinations made in connection with Dispensary work ...	623 <small>115 additional Specimens from D's</small>
4. Cases written off during the year as Dead (all causes)	117	11. Number of "Recovered" cases restored to Dispensary Register, and included in A (a) A (b) above	294
5. Number of attendances at the Dispensary (including Contacts)	2075	12. Number of "T.B. plus" cases on Dispensary Register on December 31st	Nil
6. Number of Insured persons under Domiciliary Treatment on 31st Dec.	178		169
7. Number of consultations with medical practitioners:— (a) Personal (b) Others	9 646		

TABLE II.

RESIDENTIAL INSTITUTIONS.

(a) NUMBER OF BEDS AVAILABLE FOR THE TREATMENT OF TUBERCULOSIS ON THE
31st DECEMBER, IN INSTITUTIONS BELONGING TO THE COUNCIL.

NAME OF INSTITUTION	For Pulmonary Cases		For Non-Pulmonary Cases		Total
	Adults	Children under 15	Adults	Children under 15	
Strinesdale Sanatorium	36	6	—	—	42
Westhulme Hospital	26	4	—	—	30
Boundary Park Municipal Hospital	—	—	10	5	15

(b) RETURN SHOWING THE EXTENT OF RESIDENTIAL TREATMENT AND OBSERVATION DURING
THE YEAR IN INSTITUTIONS APPROVED FOR THE
TREATMENT OF TUBERCULOSIS

			In Institutions on Jan. 1.	Admitted during the year.	Discharged during the year.	Died in the Institutions	In Institutions on Dec. 31.
Number of doubtful Tuberculous Cases admitted for Observation	Adults	M.	—	11	9	1	1
		F.	1	12	10	1	2
	Children	.....	—	7	7	—	—
	Total...	.....	1	30	26	2	3
Number of definitely Tuberculous Patients admitted for Treatment	Adults	M.	45	135	101	36	43
		F.	32	84	72	19	25
	Children	.....	11	20	13	3	15
	Total...	.....	88	239	186	58	83
Grand Total ... ..	...	...	89	269	212	60	86

(c) RETURN SHOWING THE RESULTS OF OBSERVATION OF DOUBTFULLY TUBERCULOSIS CASES
DISCHARGED DURING THE YEAR FROM INSTITUTIONS APPROVED FOR THE TREATMENT
OF TUBERCULOSIS.

Diagnosis on Discharge from Observation	For Pulmonary Tuberculosis						For Non-Pulmonary Tuberculosis						Totals		
	Stay under 4 weeks			Stay over 4 weeks			Stay under 4 weeks			Stay over 4 weeks					
	M.	F.	Ch	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch	M.	F.	Ch.
Tuberculous	1	2	—	—	—	1	—	—	1	—	—	—	1	2	2
Non-tuberculous ..	3	1	1	3	6	3	—	—	—	1	1	—	7	8	4
Doubtful	1	—	—	1	1	—	—	—	—	—	—	1	2	1	1
Totals	5	3	1	4	7	4	—	—	1	1	1	1	10	11	7

TABLE III—continued.

[illegible]

TABLE IV.—(a) PULMONARY TUBERCULOSIS.

Supplementary Annual Return showing in summary form (a) the condition at the end of 1932 of all patients remaining on the Dispensary Register; and (b) the reasons for the removal of all cases written off the Register. The Table is arranged according to the years in which the patients were first entered on the Dispensary Register as definite cases of pulmonary tuberculosis, and their classification at that time.

Condition at the time of the last record made during the year to which the Return relates.	Previous to 1926.					1926.				1927.				1928.			
	Class T.B. plus.				Class T.B. minus	Class T.B. plus.				Class T.B. plus.				Class T.B. plus.			
	Group 1.	Group 2.	Group 3.	Total (Class T.B. plus).		Group 1.	Group 2.	Group 3.	Total (Class T.B. plus).	Group 1.	Group 2.	Group 3.	Total (Class T.B. plus).	Group 1.	Group 2.	Group 3.	Total (Class T.B. plus).
(a) Remaining on Dispensary Register on 31st December.																	
Disease arrested:																	
Adults M.	35	5	...	5	5	1	...	...	1	1	...	...	...	...	...	...	...
F.	12	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Children	11	...	...	...	6	...	...	...	...	2	...	...	...	...	...	...	...
Disease not arrested:																	
Adults M.	47	16	4	1	21	11	1	3	1	13	2	2	...	...	2	...	2
F.	16	2	4	...	6	6	...	1	...	3	...	1	...	1	2	...	3
Children	10	1	...	...	1	12	...	...	...	7	1	...	...	...	1	...	1
Condition not ascertained during the year																	
Register on 31st Dec.	5	4	...	...	4	2	...	...	...	1	...	1	...	1	...	...	1
Total on Dispensary Register at 31st Dec.	136	28	8	1	37	42	2	4	1	29	3	4	...	29	2	5	7
(b) Not now on Dispensary Register and reasons for removal therefrom.																	
Discharged as recovered																	
Adults M.	44	2	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
F.	34	3	...	...	3	2	...	...	...	...	...	...	...	...	...	...	...
Children	14	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Lost sight of, or otherwise removed from Dispensary Register																	
Register	399	26	11	2	39	27	2	1	...	26	4	2	2	31	...	2	5
Adults M.	572	19	21	65	105	26	12	14	7	22	3	14	7	19	4	13	7
F.	312	6	13	53	72	15	4	8	5	11	4	9	6	14	1	8	6
Children	81	...	3	3	6	4	1	1	1	3	...	1	1	2	...	...	...
Total written off Dispensary Register	1456	57	48	123	228	74	19	24	13	62	11	26	16	66	5	23	44
Grand Totals	1592	85	56	124	265	116	21	28	14	91	14	30	16	95	7	28	51

Condition at the time of the last record made during the year to which the Return relates.	1929				1930				1931				1932			
	Class T.B. plus.				Class T.B. plus				Class T.B. plus				Class T.B. plus			
	Class T.B. minus	Group 1.	Group 2.	Group 3.	Total (Class T.B. plus.)	Class T.B. minus	Group 1.	Group 2.	Group 3.	Total (Class T.B. plus)	Class T.B. minus	Group 1.	Group 2.	Group 3.	Total (Class T.B. plus)	Class T.B. minus
(a) Remaining on Dispensary Register on 31st December																
Disease arrested : Adults M. F. Children	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Disease not arrested : Adults M. F. Children	13 4 1	2	7	4 2 ...	13 2 ...	13 13 13	...	5 4 ...	3 1 1	8 5 1	16 10 6	4 5 1	11 8 ...	4 1 ...	19 14 1	26 18 3
Condition not ascertained during the year	...	1	...	...	1	2	...	...	...	...	2	...	...	...	...	...
Total on Dispensary Register at 31st Dec.	19	3	7	6	16	42	...	9	5	14	34	10	19	5	34	47
(b) Not now on Dispensary Register and reasons for removal therefrom.																
Discharged as recovered Adults M. F. Children	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lost sight of or otherwise removed from Dispensary Register	8	...	4	...	4	11	...	1	...	1	4	...	1	...	1	...
Adults M. F. Children	14 5 2	5 1 ...	16 6 ...	16 12 2	37 19 2	11 6 1	...	5 3 ...	17 13 ...	22 18 ...	14 8 ...	...	11 10 ...	22 8 ...	3 18 ...	16 9 ...
Total written off Dispensary Register	29	6	26	30	62	29	2	9	30	41	26	...	22	30	52	25
Grand Totals	48	9	33	36	78	71	2	18	35	55	60	10	41	35	86	72

TABLE IV.—(b) NON-PULMONARY TUBERCULOSIS.

Supplementary Annual Return showing in summary form (a) the condition at the end of 1932 of all patients remaining on the Dispensary Register; and (b) the reasons for the removal of all cases written off the Register.

Condition at the time of the last record made during the year to which the Return relates.	Previous to 1926.					1926.					1927.					1928.				
	Bones & Joints	Abdo- minal	Other Org'ns	Peri- pheral Glands	Total	Bones & Joints	Abdo- minal	Other Org'ns	Peri- pheral Glands	Total	Bones & Joints	Abdo- minal	Other Org'ns	Peri- pheral Glands	Total	Bones & Joints	Abdo- minal	Other Org'ns	Peri- pheral Glands	Total
Disease arrested: Adults M. F. Children	2 ... ...	... ... 3	2 ... 1	1 2 4	5 2 11	... ... ...	... ... ...	... ... ...	... 1 ...	... 2 ...	... ... 1	... ... 3	... ... ...	... 1 1	... 1 5	... ... 1	... ... 2	... ... ...	... ... ...	1 1 6
Disease not arrested: Adults M. F. Children	2 5 9	... 2 4	... 1 3	2 2 7	4 10 23	1 ... ...	... 1 2	2 ... 1	... ... 1	3 1 4	... 1 2	1 ... 1	... ... ...	... 2 3	1 3 6	2 1 4	... ... 4	1 1 3	... ... ...	3 4 14
Condition not ascer- tained during the year	1	...	...	...	1	1	...	...	...	1	...	...	1	1	2	1	...	...	...	1
Total on Dispensary Register at 31st Dec.	22	9	7	18	56	2	3	4	2	11	4	5	1	8	18	9	6	5	10	30
Transferred to Pulmonary	1	1	2	1	5	...	1	...	2	3	...	...	1	...	1	...	1	...	1	2
Discharged as re- covered Adults M. F. Children	15 8 26	6 1 23	2 2 3	14 14 56	37 25 108	... ... 3	... ... 4	2 ... 2	... ... 4	2 ... 13	2 ... ...	... ... 1	1 ... ...	... ... 4	3 ... 5	... ... ...	... ... ...	... ... ...	... ... ...	... ... 1
Lost sight of or other- wise removed from Dispensary Register	144	49	46	135	374	8	4	3	3	18	5	4	1	7	17	3	6	2	3	14
DEAD. Adults M. F. Children	29 9 9	7 3 22	1 3 3	6 3 4	43 18 38	1 1 ...	... 1 2	2 ... 2	1	4 2 4	4 1 3	1 1 2	... 1 ...	1 1 ...	6 4 5	... ... 1	... 2 ...	1 ... 1	... ... ...	1 2 3
Total written off Dispensary Register	240	111	60	232	643	13	11	11	8	43	15	9	3	13	40	4	8	4	5	21
GRAND TOTALS of (a) & (b) exclud- ing those transferred to Pulmonary	262	120	67	250	699	15	14	15	10	54	19	14	4	21	58	13	14	9	15	51

(b) Not now on Dispensary Register and reasons for removal therefrom.

Condition at the time of the last record made during the year to which the Return relates.	1929					1930					1931					1932				
	Bones & Joints	Abdo- minal	Other Org'ns	Peri- pheral Glands	Total	Bones & Joints	Abdo- minal	Other Org'ns	Peri- pheral Glands	Total	Bones & Joints	Abdo- minal	Other Org'ns	Peri- pheral Glands	Total	Bones & Joints	Abdo- minal	Other Org'ns	Peri- pheral Glands	Total
Disease arrested: Adults M. F. Children	...	...	...	1 3 4	1 3 4	1 ...	...	1 ...	3 ...	5	...	...	...	1 ...	1...	...	...	...	...	...
Disease not arrested: Adults M. F. Children	1 2 3	1 ...	...	...	2 4 8	4 5 5	1 4 5	1 5 2	1 1 3	7 15 15	5 5 9	1 3 1	3 5 1	5 7 2	14 20 13	9 1 6	1 3 7	3 2 ...	4 2 8	17 8 21
Condition not ascer- tained during the year	1	...	...	2	3	...	...	...	1	1	1	...	...	2	3	...	...	...	...	...
Total on Dispensary Register at 31st Dec.	7	2	2	14	25	15	13	9	11	48	20	6	9	20	55	16	11	5	14	46
Transferred to Pulmonary	...	...	...	1	1	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...
Discharged as re- covered Adults M. F. Children	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lost sight of or other- wise removed from Dispensary Register	3	1	1	2	7	2	3	...	4	9	1	1	...	1	3	...	...	...	...	...
Dead Adults M. F. Children	...	...	1	...	1	1	1	...	1	3	...	...	4	...	4	2	...	1	...	3
Total written off Dispensary Register	5	2	2	2	11	4	10	...	5	19	2	4	10	1	17	2	3	3	...	8
GRAND TOTALS of (a) & (b) exclud- ing those transferred to Pulmonary	12	4	4	16	36	19	23	9	16	67	22	10	19	21	72	18	14	8	14	54

(a) Remaining on Dispensary Register at 31st December

(b) Not now on Dispensary Register and reasons for removal therefrom.

GRAND TOTALS of (a) & (b) exclud-
ing those transferred to Pulmonary

Venereal Disease.

The scheme for treating the above disease remains the same, briefly outlined as follows:—

1. The Clinic is at the Oldham Royal Infirmary.
2. Dr. Brown is the V.D. Officer and he is assisted by two Assistant Surgeons.
3. There are two beds available for in-patients.
4. The V.D. Clinics are open on Monday, Tuesday and Wednesday evenings and patients can ask to see the Doctor at any of the out-patient clinics without a recommend.
5. There is an orderly available for the men and nurses for the women, whose services are available at practically any time.
6. The Microscopical tests are done at the Infirmary and the Wasserman tests at the Public Health Laboratory, Manchester.
7. Salvarsan Substitutes are supplied free to Medical Practitioners in the town who are entitled to receive them.
8. Pathological outfits for taking specimens are obtainable at the Health Office.

The following figures give the number treated at the Infirmary during the last five years.

		SYPHILIS		GONORRHOEA		OTHER V. D. CASES	
		Males	Females	Males	Females	Males	Females
1928	...	135	88	256	43	1	0
1929	...	149	83	267	43	2	1
1930	...	115	78	122	25	1	0
1931	...	132	105	143	28	0	0
1932	...	142	126	155	30	0	0

The following Statistics summarise the work done during the past year:—The total number of persons treated was 502.

NUMBER OF PERSONS UNDER TREATMENT.

	Jan. 1st		Treated during the Year.		Total	
	Males	F'mal's	Males	Females	Males	Females
Suffering from Syphilis	90	82	52	44	142	126
„ „ Gonorrhœa	74	15	81	15	155	30
„ „ Soft Chancre	0	0	0	0	0	0
„ „ Non-V'n'real Dise'ses	6	1	24	18	30	19
Total	170	98	157	77	327	175

In addition to the above, several Oldham persons were treated at the Venereal Centres in Manchester, and 9 persons at the Salford Royal Hospital and three or four in other towns.

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

	MALES.	FEMALES.
Syphilis	10	3
Soft Chancre	0	0
Gonorrhœa	55	8

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

	MALES.	FEMALES.
Syphilis	4	3
Soft Chancre	0	0
Gonorrhœa	3	1

No. under Treatment at close of year 1932.

Syphilis	92	83
Gonorrhœa	55	12
Soft Chancre	0	0
Other Conditions	2	2

Total attendances of all Patients :—

	Males	Females	Total
Syphilis	2890	2129	5019
Soft Chancre	0	0	0
Gonorrhœa	1506	805	2311
Other conditions not V.D.	106	93	199
Total ...	4502	3027	7529

Aggregate number of In-patient days :—

Syphilis	100	19	119
Gonorrhœa	247	61	308
Soft Chancre	0	0	0
Other Conditions	0	15	15

	Spirochetes	Gonococci	Others	Wasserman
Number of specimens examined at the Infirmary	10	407	0	0
Number of specimens sent to the Pathological Laboratory, Manchester	0	0	0	529
Total ...	10	407	0	529

Number of Oldham persons attending for the first time	183
Lancashire County	42
Yorkshire „	4
Total ...	229

The total cost of Treatment during the year amounted to £1,764 17s. 2d., which receipts from outside areas will reduce to about £1,484 15s. 7d.

The total number of V.D. specimens examined at the laboratory at the Manchester University was 828 of which 821 were for the Wasserman tests and six for Gonococci. 200 of the Wasserman tests gave a positive reaction.

The Orthopædic Institute.

The Isabella Greenhalgh Orthopædic Institute has been in full work throughout the year and has amply proved the great value of the gift of Mr. Richard Greenhalgh, and many young persons will owe him a debt of gratitude that they are not growing up in a crippled condition.

The afternoons on which the Surgeon attends are frequently very crowded, as many as 45 or 50 attending and an additional session once a month has been arranged, mainly for Tubercular patients.

The total number of cases who attended the Centre during the year was 391, and came under the various groups as follows :—

	1931	1932
Child Welfare... ..	124	125
School Children	122	93
Tuberculosis	86	86
Private Patients	73	87
	<hr/> 405 <hr/>	<hr/> 391 <hr/>

Out of this number 219 were seen by the Orthopædic Surgeon necessitating 830 consultations.

The X-Ray apparatus has been exceedingly valuable, in fact, the Department could not be efficient without its use.

The largely increased number of Radiograms in connection with Tuberculosis will be noticed and this is largely due to the increased number of patients who are sent by Doctors to the Dispensary for diagnosis, both for Pulmonary and Non-Pulmonary cases.

The number of X-Rays taken during the year was :—

	1931	1932
Dispensary Cases	189	255
Infant Welfare Cases	19	25
School Cases	37	42
Private Cases	20	7
Total	<u>265</u>	<u>329</u>

Owing to the Municipal Hospital being associated by having the same Surgeon and 8 beds available for Orthopædic cases, a larger number of operative cases have been treated.

A further association has been obtained by the appointment of the Maseuse at the Institute as Superintendent of the work both at the Institute and at the Hospital giving her an assistant at the Institute. She is thus in touch with the patient before they enter the Hospital, while they are in the Hospital, and after they are discharged, this arrangement seems to work very well.

As regards the treatment by the Ultra-Violet Rays, the results continue to be very satisfactory. During the year 574 local treatments and no less than 2604 general treatments were given. The most successful results were obtained in Rickets, Tuberculosis of the Abdomen and Glands. In these conditions the results in those patients who completed the treatment necessary were almost universally satisfactory.

In cases of Debility in children, progress was generally quickly obtained and in chronic forms of Catarrh and Bronchitis and Bronchial Asthma great improvement was obtained in every case.

The following Tables give the number of cases treated and the general results.

TABLE No. 1.
NUMBER OF PATIENTS TREATED.

	M. & C.W.	School	Tubercular	Private	Total.
Rickets	19	20	—	5	44
Bronchitis	4	4	2	2	12
Paralysis	14	21	—	2	37
Debility, Malnutrition and Neurasthenia	28	14	—	7	49
Anæmia	—	3	—	1	4
Rheumatism	—	—	—	7	7
Deformities	43	13	—	13	69
Injuries	1	3	—	18	22
Alopecia	—	—	—	1	1
Asthma	1	1	—	—	2
T. B. Abdomen...	—	—	9	—	9
„ „ Hip	—	—	8	—	8
„ „ Spine	—	3	7	—	10
„ „ Knee	—	1	3	1	5
„ „ Bone	—	—	9	1	10
Enlarged Glands. ...	1	1	36	1	39
Lupus	—	—	10	—	10
Chorea	—	1	—	—	1
Wry Neck	5	3	—	—	8
Fracture	—	1	—	9	10
Sundries	10	6	—	19	35
Totals	126	95	84	87	392

TABLE No. 2.

RESULTS.

	No.	Sunlight	Still under Treatment	Cured	Much Improved	Improved	I.S.Q.	Discontinued Treatment
Rickets ...	74	55	16	6	8	33	15	21
T.B. Bone...	37	13	21	9	7	12	6	5
„ Abdomen	10	10	2	1	4	3	—	—
„ Glands	37	37	11	6	9	13	6	6
Lupus ...	10	10	5	—	3	3	4	—
Debility ...	56	56	13	—	20	25	7	9
Chorea ...	1	1	1	—	—	1	—	—
Bronchitis	13	13	5	—	4	9	—	—
Asthma ...	1	1	—	—	—	1	—	—
Skin Disease								
Alopecia...	2	2	—	—	1	1	—	—
Paralysis ...	33	1	20	1	1	15	9	3
Deformities	46	7	22	3	7	19	8	10
Sundries ...	55	14	18	14	9	18	5	6
Totals ...	375	220	134	40	73	153	60	60

Infectious Diseases.

The following Table gives the number of cases of Infectious Diseases notified during the year, and the deaths registered as the result of these diseases.

DISEASE.	NOTIFICATIONS.	DEATHS.
Small-pox	0	0
Scarlet Fever	209	0
Diphtheria	50	1
Erysipelas	55	2
Enteric Fever	2	1
Acute Anterior Poliomyelitis	0	1
Puerperal Fever	8	2
Puerperal Pyrexia	12	0
Tuberculosis	186	123
†Pneumonia	150	156
Cerebro Spinal Meningitis... ..	5	3
Ophthalmia Neonatorum	13	0
Encephalitis Lethargica	1	5
*Measles and German Measles	1202	18
*Whooping Cough	586	15
*Chicken Pox	486	0

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

Influenza also caused 19 deaths; Syphilis 1; General Paralysis of the Insane 32 and Diarrhœa and Enteritis 10 deaths.

The Attack rates per 1,000 in England and Wales and in Oldham is shown as follows.

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

	England & Wales			Oldham		
Small-pox	0·05	...	...	0·00	...	...
Scarlet Fever	2·12	...	...	1·50	...	...
Diphtheria	1·08	...	...	0·36	...	...
Enteric Fever	0·06	...	...	0·01	...	...
Puerperal Fever	0·05	...	...	0·05	...	...
Puerperal Pyrexia	0·14	...	...	0·08	...	...
Erysipelas	0·36	...	...	0·39	...	...

The death rates per 1,000 of the population from the principal Infectious Diseases were as follows :—

The rate in Oldham for each Disease except Measles and Whooping Cough is lower than for the Country as a whole.

	England and Wales			118 Large Towns			Oldham		
Scarlet Fever	0·01	...	...	0·01	...	...	0·00	...	...
Diphtheria	0·06	...	...	0·07	...	...	0·007	...	...
Enteric Fever	0·01	...	...	0·00	...	...	0·007	...	...
Measles	0·08	...	...	0·11	...	...	0·13	...	...
Whooping Cough	0·07	...	...	0·08	...	...	0·10	...	...
Influenza	0·32	...	...	0·28	...	...	0·13	...	...
Diarrhoea & Enteritis. 6·6	...	...	...	8·9	...	...	3·3	...	...

(Under 2 years per 1,000 Births)

SMALL-POX.

No case of Small-pox was notified in the Borough during the year.

VACCINATION.

The following returns for the past three years indicate the prevalence of Vaccination in the Borough. In the Borough only 11·5 per cent of the children born were successfully vaccinated. This is the lowest percentage yet recorded.

It is probable that a larger number of vaccinations would be done if there were no Vaccination Laws, especially if the fees were payable to the family Doctor.

	1929	1930	1931
Number of Births	1926	1941	2021
Successfully Vaccinated	243	251	175
Died Unvaccinated	138	113	150
Insusceptible	6	3	0
Postponed by Medical Certificate	4	23	35
Left the District	55	35	27
Not Accounted for	29	20	10
Percentage successfully Vaccinated	13	13	11½

Lymph, by permission of the Ministry is now stored by the Corporation and is available at any time day or night. This will obviate any delay should any outbreak of small-pox occur in the town.

ERYSIPELAS.

Fifty-five cases were notified during the year and two deaths occurred, both of adults.

SCARLET FEVER.

During the year 209 cases were notified, compared with 272 and 712 in the two preceding years. There were no deaths from the disease.

ENTERIC FEVER.

Only two cases were notified and one of these died, this death was of a man aged 41 years. There was no connection found between the cases, but the non-fatal case was associated with a family in one of the out-districts where there were several cases.

ENCEPHALITIS LETHARGICA.

Only one new case was notified during the year, a man aged 36. The illness terminated fatally, and there were four deaths of persons notified previously, from this disease.

DIPHTHERIA.

There was a considerable reduction in the number of cases notified 50, instead of 88, and only one of these cases died, giving a mortality of 2 per cent. Thirty-seven of these cases were removed to Westhulme Hospital for treatment. Twenty-five cases were removed from outside districts and of these six died, giving a mortality of 24 per cent. It is probable that the very prompt removal to Hospital of the Oldham cases is the cause of this great difference as it allows very early administration of antitoxin.

INFLUENZA.

For a short period this disease was somewhat prevalent but it was generally of a mild type. The deaths numbered 19 against 32 in 1931 and 28 in 1930.

The death rate in Oldham for the year was 0.13 per 1,000 compared with 0.32 for the whole of England and Wales.

DISINFECTION.

The same arrangements exist in the town as in previous years, viz: a central depot with Steam Disinfector, Removal Van, Cleansing Baths, etc., and a small Disinfector (current steam) at the Infectious Disease Hospital.

There is also a Disinfecting Apparatus under the control of the Public Assistance Committee available for the Institution only.

Hospitals.

WESTHULME HOSPITAL.

The General Infectious Disease Hospital for the Borough. It is a training school for the Fever Nursing Certificate. Cases are received if there are beds available, from the surrounding Districts of Chadderton, Crompton, Royton, Lees, Failsworth and Saddleworth. It is very probable that it may be necessary to increase the accommodation owing to the Local Government Act, 1929 and the undertaking by the Council to treat all necessitous cases, but during the past year there has been ample beds available.

The following is a summary of the total number of cases admitted during last year and this :—

DISEASE	1931				1932			
	CASES	DEATHS	CASES	DEATHS	CASES	DEATHS	CASES	DEATHS
Measles	22	0	16	0				
Scarlet Fever	254	3	221	0				
Diphtheria	106	4	75	7				
Enteric	11	1	6	2				
Erysipelas	2	0	1	0				
Tuberculosis	96	20	101	34				
Chicken-pox	2	0	2	0				
Malnutrition	0	0	0	0				
Cross Infections	0	0	3	2				
Encephalitis Lethargica	1	0	0	0				
Cerebro Spinal Meningitis	2	0	6	4				
Mumps	0	0	1	0				
Total	496	28	432	49				

STRINESDALE SANATORIUM.

During the year 85 cases were admitted, and 12 died.

The administrative portion is gradually becoming more dilapidated and may become unusable at any time.

BOUNDARY PARK MUNICIPAL HOSPITAL.

Full details of the work of this Hospital are given in an earlier part of this Report.

MATERNITY HOME.

This Institution was opened on September 25th, 1928, and since this date 1,002 persons have been admitted, 950 babies have been born living, and 31 were stillborn; 18 babies died after birth in the home.

During the past year there has not been quite such a demand on the beds, owing to a greater number entering Boundary Park Hospital since it was transferred from the Guardians.

The Staff remains the same, viz :—Matron, two Sisters, who are trained Nurses and Midwives, three certificated Midwives, five Maids, a Cleaner and one Male Porter.

The following are the Statistics for 1931 and 1932 :

	1931	1932
Persons admitted	261	225
Attended by Staff	116	112
Attended by Doctor	142	113
Medical aid sought	49	41
Maternal deaths	0	2
Infant deaths	8	6
Cases of Puerperal Fever	0	0
Cases of Pyrexia	7	6
Cases of Ophthalmia	1	0
Cases of Pemphigus	2	0

The causes of the Maternal deaths were Uræmia and an Ecclamptic Fit, and of the Infant deaths, Premature Birth, 2 ; Congenital Malformation, 4.

RACEFIELD SMALL-POX HOSPITAL.

The above Hospital has been let to the Lancashire County Council for the treatment of Tuberculosis and Small-Pox throughout the year.

CORONER'S COURT.

The Coroner has very kindly supplied me with particulars of the inquests held during the past year as follows :—

	MALES	FEMALES	TOTAL
Deaths reported to the Coroner	195	128	323
Inquests	121	70	191
Verdicts—Suicide	19	10	29
Accidents, etc. ...	61	26	87
Natural Causes ...	34	30	64
Excessive Drinking... ..	2	0	2
Open Verdicts... ..	5	2	7

There were no inquests on infants suffocated whilst in bed with their parents. Two inquests were on newly-born children.

Of the total number of deaths 104 were mental defectives in Institutions, 5 inmates of other Institutions and 214 other persons. In 132 cases reported the deaths were investigated by the Coroner but no inquests held. 59 inquests were held with a jury and 132 without.

CANCER.

There is again a slight increase in the number of deaths attributed to this disease during the year. Fourteen were of persons under the age of 45 years and 110 in persons over 65. The number of deaths in the last five years is as follows :—

1928	...	...	...	216
1929	...	...	...	240
1930	...	...	...	232
1931	...	...	...	217
1932	...	...	...	235

The following Table gives further details respecting the disease.

The organs affected in the 235 deaths are as follows :—

Digestive Organs—

Oesophagus	...	...	...	17
Stomach	...	...	...	51
Liver	...	...	...	18
Intestines	...	...	...	31
Pancreas	...	...	...	2
Rectum	...	...	...	31

Female Generative

Organs—

Breast	...	...	...	16
Uterus	...	...	...	15
Ovary	...	...	...	1

Miscellaneous—

Tongue	5
Jaw	5
Larynx	10
Bladder	9
Heart	—
Male Organs	—
Sundry	24
	<hr/>
	235
	<hr/>

BACTERIOLOGY.

All Specimens for Bacteriological Examination except Sputum are sent to the Public Health Laboratory at Manchester University.

The following Specimens were sent from the Health Department during the year:—

	Number	Positive	Negative
Diphtheria Swabs	207	41	166
Typhoid Fever	14	—	—
Fæces and Urine	21	—	—
Others	31	—	—

VITAL STATISTICS.

POPULATION. The Registrar's present estimate of the population for the middle of the year 1932 is 138,900. This figure on which the various vital statistics are calculated is 1,414 lower than the Census figure in 1931, and 3,000 lower than the estimated population in 1931. The populations of the Wards are also taken from the Census figures.

BIRTHS. The number of births during the year has decreased when compared with the previous year from 1,928 to 1,791, giving a rate of 12·8 instead of 13·5 per 1,000 population. The previous lowest rate was 13·2 in the year 1929.

DEATHS. The number of deaths during the year has decreased slightly, being 1,942 instead of 2,035 giving a rate of 13·9 instead of 14·3 per 1000 population. In only two years previously has the rate been lower, viz :—13·7 in both 1924 and 1930.

The number of deaths from Heart affections have increased considerably and there is also an increase in the number of deaths from Cancer. The deaths from Respiratory Diseases are considerably lower than in the previous year being 337 compared with 461.

The principal causes of death in the order of fatality are Heart Disease, Cancer, Bronchitis, Pneumonia, Apoplexy, and Tuberculosis.

The Statistics for the various Wards based on the Census population are tabulated in Table No. 6.

The very high birth rates in Westwood and Clarksfield Wards are of course due to the number of births in Boundary Park Hospital and in the Maternity Home.

As regards the deaths the highest rate was 15·1 in Mumps Ward and the lowest 11·7 in Hollinwood.

The Infantile Mortality rates will be found under the Maternity and Child Welfare Section.

The following figures allow a comparison of the Oldham rates with the Country and other Lancashire towns :—

	Birth Rate (per 1,000 population)	Death Rate (per 1,000 population)	Infantile Mortality Rate (per 1,000 Births)	Maternal Mortality rate (per 1,000 Births)	Tuberculosis Death rate (all forms) (per 1,000 population)
England and Wales	15·3	12·0	65	4·24	—
118 Great Towns	15·4	11·8	69	—	—
126 Smaller Towns	15·4	10·8	58	—	—
Oldham	12·8	13·9	83	5·5	0·87
Blackburn	12·6	12·6	66	5·1	0·79
Bolton	13·2	12·5	71	6·76	0·75
Burnley	12·0	13·0	86	7·3	0·96
Bury	12·7	13·4	85	2·5	0·63
Liverpool	21·0	13·2	91	2·6	1·32
Manchester	15·3	13·0	85	3·6	1·17
Preston	14·8	13·0	84	5·6	0·93
Rochdale	12·5	14·1	72	1·76	0·77
St. Helens	19·9	11·3	89	4·17	0·81
Salford	15·4	13·2	99	6·1	1·2
Warrington	17·3	12·2	87	2·8	0·12
Blackpool	10·5	14·4	75·8	4·6	0·74
Southport	11·25	11·6	45	7·9	0·51
Wigan	17·80	13·34	93	8·5	0·97

The following table gives the death rates from certain specified diseases in the various Wards calculated on the Census figures.

Ward	Infectious Diseases			Tuberculosis		Respiratory Diseases			Diarrhoea and Enteritis	Deaths under one year per 1,000 births
	Measles	Whooping Cough	Diphtheria	Pulmonary	Other Forms	Influenza	Bronchitis	Pneumonia	Under 2 years	
St. Mary's ...	0·20	0·10	...	1·11	0·10	...	0·91	0·91	0·10	69
St. Peter's ...	0·10	0·10	..	0·80	0·10	...	1·41	1·00	...	181
Werneth.....	...	0·09	...	0·82	0·09	0·18	1·00	1·46	0·09	51
Westwood ...	0·07	0·07	...	0·37	...	...	1·24	1·17	...	9
St. Paul's ...	0·06	0·18	...	0·86	...	0·36	0·86	0·92	...	123
Coldhurst ...	0·39	0·52	...	1·05	0·26	...	0·65	1·71	0·13	196
Hartford.....	0·08	0·08	...	1·07	0·26	...	1·97	0·94	0·08	120
Hollinwood...	0·33	...	...	0·49	0·25	...	1·07	1·07	0·08	136
Clarksfield ...	0·06	0·06	...	0·44	0·12	0·31	1·62	1·06	...	49
Mumps ...	0·12	0·25	0·12	1·05	0·13	0·76	1·14	1·14	0·12	170
St. James's ..	0·29	...	...	0·39	0·10	0·29	1·76	0·78	0·09	126
Waterhead ...	...	...	...	1·34	0·28	0·21	1·54	1·33	...	103
Borough...	0·13	0·10	0·007	0·74	0·13	0·13	1·30	1·12	0·04	83

VITAL STATISTICS, 1932.

SUMMARY.

Population estimated by the Registrar General to
the middle of the year 138,900

Nett Births registered in the 52 weeks ending
December 31st, 1932... Males ... 856 } 1,791
Females ... 935 }

Nett Deaths registered in the 52 weeks ending
December 31st, 1932... Males ... 986 } 1,942
Females ... 956 }

Deaths from the seven principal Zymotic diseases 33

Deaths under 1 year per 1,000 Births... 83

Annual Rate of Births per 1,000 living population 12·8

Annual Rate of Mortality from all causes per 1,000
living population 13·9

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

Of the 1,942 deaths registered during the year 1932,
210 or 10·8 per cent. were those of children under 5
years of age.

PRINCIPAL CAUSES OF DEATHS

Influenza	...	...	19	Debility, &c.	...	...	20
Bronchitis	...	...	181	Cancer	...	...	235
Pneumonia	...	...	156	Convulsions	...	...	2
Phthisis	...	...	104	Diarrhœa...	...	...	1
Heart Disease...	...	...	311	Premature Birth	...	...	35
Measles	...	...	18	Whooping Cough	...	...	15
Apoplexy, &c....	...	...	154	Accidents...	...	...	36
Diphtheria	...	...	1				

TABLE No. 1.
HOUSES BUILT IN THE BOROUGH.

YEAR.						No. OF HOUSES BUILT.
April	1893	to	March	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
"	1928	"	1929	...	...	348
"	1929	"	1930	...	...	447
"	1930	"	1931	...	...	358
"	1931	"	1932	...	...	68
"	1932	"	1933	...	...	90

TABLE No. 2.
 INFANTILE MORTALITY ENDING DECEMBER
 31st, 1932.
 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	4	5
Scarlet Fever ... ..	...	...	...	...	...	...	...	...	...	...
Whooping Cough ... ..	...	...	...	...	...	...	1	4	4	9
Diphtheria and Croup ... ..	...	...	...	...	...	...	...	...	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	...	...	...
Tubercular Meningitis ... ..	...	...	...	...	...	...	1	...	...	1
Abdominal Tuberculosis ... ..	...	...	...	...	...	...	...	...	...	...
Other Tuberculous Diseases ... ..	...	...	...	...	...	...	...	...	...	...
Meningitis (<i>not</i> T.B.)	...	...	...	...	...	...	...	...	...	...
Cerebro-Spinal ... ..	...	...	...	...	...	...	1	...	...	1
Convulsions ... ..	...	...	...	...	...	...	1	...	...	1
Laryngitis ... ..	...	...	...	...	...	...	...	...	...	...
Bronchitis ... ..	...	...	...	1	1	8	3	...	1	13
Pneumonia (all forms) ... ..	...	1	1	2	4	4	5	3	5	21
Diarrhoea ... ..	...	...	...	...	...	...	...	1	...	1
Enteritis ... ..	...	...	...	...	...	1	4	...	...	5
Gastritis ... ..	...	...	...	...	...	...	...	...	...	...
Syphilis ... ..	...	...	...	...	...	...	...	...	...	...
Rickets ... ..	...	...	...	...	...	...	...	...	...	...
Suffocation, overlying ... ..	...	1	...	...	1	...	...	...	...	1
Injury at Birth	1	...	...	...	1	1	...	...	...	2
Atelectasis	3	1	...	...	4	...	...	...	...	4
Congenital Malformations	6	...	...	...	6	1	...	...	...	7
" Heart Disease ... ..	...	2	...	...	2	1	...	...	...	3
Premature Birth	28	2	2	2	34	1	...	...	...	35
Atrophy, Debility and	...	...	...	...	...	...	...	...	...	...
Marasmus	4	...	3	1	8	8	3	...	1	20
Other Causes	6	...	2	...	8	4	4	3	1	20
TOTALS.....	48	7	8	6	69	29	23	12	16	149

TABLE No. 3.

DISEASES UNDER ONE YEAR OF AGE IN 1932.

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.....	...	2	3	...	...	...	...	...	5	5
Scarlet Fever .....	...	...	...	...	...	...	...	...	...	...
Whooping Cough ..	1	2	5	1	...	2	...	...	7	9
Diphtheria & Croup..	...	...	...	...	...	...	...	...	...	..
Erysipelas .....	...	...	...	...	...	...	...	...	...	...
Tubercular Meningitis	...	...	...	1	...	...	..	..	1	1
Abdominal										
Tuberculosis.....	...	...	...	...	...	...	...	...	...	...
Other Tuberculous										
Diseases .....	...	...	...	...	...	...	...	...	...	..
Meningitis (not T.B.)										
Cerebro-Spinal ..	...	...	1	...	...	...	...	...	1	1
Convulsions .....	...	...	1	...	...	...	...	...	1	1
Laryngitis .....	...	...	...	...	...	...	...	...	...	...
Bronchitis	3	8	2	...	...	1	...	...	12	13
Pneumonia (all forms)	1	13	6	1	...	3	...	2	16	21
Diarrhœa .....	...	1	...	...	...	...	...	...	1	1
Enteritis .....	...	3	1	1	...	...	...	...	5	5
Gastritis .....	...	...	...	...	...	...	...	...	...	...
Syphilis.....	...	...	...	...	...	...	...	...	...	...
Rickets .....	...	...	...	...	...	...	...	...	...	...
Suffocation, over-										
lying ..	...	...	1	...	...	1	...	...	...	1
Injury at birth.....	...	1	...	...	1	2	...	...	...	2
Atelectasis .....	...	2	...	...	2	...	...	1	3	4
Congenital Mal-										
formation .....	...	1	2	...	4	1	...	...	6	7
Congenital Heart										
Disease .....	...	2	...	...	1	...	1	...	2	3
Premature Birth ..	1	11	2	...	21	5	...	1	29	35
Atrophy, Debility,										
and Marasmus...	...	14	1	2	3	6	...	1	13	20
Other Causes	1	13	4	1	1	6	...	2	12	20
TOTALS	7	73	29	7	33	27	1	7	114	149

TABLE No. 6.—Showing Population, Births and Birth Rates, Deaths and Death Rates.—1932.

WARD.	Census Population 1931	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	9,870	124	79.6	42	45	87	8.9	58	46	104	10.5
St. Peter's	9,934	284	31.4	43	34	77	7.7	77	69	146	14.6
Werneth	10,922	264	41.4	46	52	98	8.9	74	77	151	13.8
Westwood	13,672	281	48.6	323	324	647	47.3	90	78	168	12.2
St. Paul's	16,279	485	33.5	60	62	122	7.4	101	112	213	13.0
Coldhurst	7,592	143	53.1	28	38	66	8.6	60	57	117	12.7
Hartford	11,662	202	57.7	41	50	91	7.8	88	86	174	14.9
Hollinwood.....	12,126	417	29.0	59	51	110	9.0	71	71	142	11.7
Clarksfield	16,015	652	24.5	172	193	365	22.7	111	106	217	13.5
Mumps	7,810	135	57.8	46	48	94	12.0	65	53	118	15.1
St. James'	10,218	967	10.5	44	51	95	9.3	59	72	131	12.8
Waterhead	14,214	781	18.1	53	82	135	9.4	99	102	201	14.1
Transferred Births and Deaths	...	..	...	-101	-95	-196	...	+33	+27	+60	...
Registrar General's Estimate.....	138,900	4,735	29.9	856	935	1,791	12.8	986	956	1,942	13.9

The Population are Census numbers for 1931.

TABLE No. 9.—FOR WHOLE DISTRICT.

YEAR.	Population estimated to middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				Total Deaths in Public Insti- tutions in the District.	Deaths of Non- residents register'd in Public Insti- tutions 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 register'd	Number	Rate.					
1	2	3	4	5	6	7	8	9	10	11	12	13
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
1927	141,400	2095	14.6	181	86	2249	15.7	543	281	86	2054	14.4
1928	143,200	2044	14.1	181	88	2289	15.9	905	300	88	2064	14.4
Averages for years 1919-1928	.....	2539	17.4	259	101	2380	16.4	532	303	64	2190	15.0
1929	142,500	1887	13.2	221	117	2913	20.3	1095	330	73	2646	18.5
1930	142,500	1902	13.3	134	70	2277	15.9	920	309	88	1950	13.7
1931	141,900	1928	13.5	204	105	2370	16.7	600	333	70	2035	14.3
1932	138,900	1791	12.8	149	83	2305	16.5	623	347	60	1942	13.9

At Census of 1931.—Total population at all ages, 140,314. Number of inhabited houses, 36,071.
 Area of District in Acres, 4,735.
 Average number of persons per house, 3.8.

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 1900-1932

Year	Population	RATES PER 1,000 POPULATION FROM						Deaths under 1 year to 1000 births
		Births	Deaths all causes	7 princip'l Zymotic Diseases	Phthisis	Bronchitis	Pneumonia	
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	128
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
1928	143,200	14.1	14.4	0.4	0.8	1.6	0.9	88
1929	142,500	13.2	18.5	0.86	1.0	2.5	1.7	117
1930	142,500	13.3	13.7	0.3	0.7	1.6	1.0	70
1931	141,900	13.5	14.3	0.2	0.7	1.8	1.4	105
Average 5 y'rs		13.7	15.0	0.3	0.7	1.8	1.2	93
1932	138,900	12.8	13.9	0.2	0.7	1.3	1.1	83

* 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 1897-1932.

Year	Population	Smallpox	Measles	Scarlet Fever	Diphtheria	Whooping Cough	Fever Typhus and Typhoid	Diarrhoea	Total Deaths
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
1928	143,200	...	9	1	35	4	...	21	70
1929	142,500	...	23	2	17	73	2	16	23
1930	142,500	...	21	8	17	2	...	...	148
1931	141,900	...	10	2	2	8	...	15	37
1932	138,900	...	18	0	1	15	1	10	45

* Estimated for Deaths.

TABLE No. 12.

Weekly Means of Meteorological Observations for the year 1932.

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 Bulb	Maximum in Sun Black Bulb in Vacuo	Minimum on Grass.	Temperature 12in. below surface.	Temperature 4 ft. below surface.					
1931																	
January	2 28.91	39	39	39	100	43	34	43	50	24	40	42	.73	6	7	9.60	
	9 28.75	45	45	45	100	48	39	49	53	29	42	42	3.14	7	8	5.50	
	16 28.74	45	45	43	85	48	38	49	57	29	40	42	.76	4	5	10.15	
	23 29.24	47	47	46	93	50	44	52	60	37	43	42	.33	3	8	2.30	
	30 29.80	36	35	36	100	48	33	43	58	24	39	42	.13	2	8	12.85	
February	6 29.66	39	39	39	100	44	35	44	50	27	38	41	.04	2	9	5.60	
	13 29.40	35	35	33	78	38	32	39	50	26	37	40	.18	4	9	4.70	
	20 29.67	37	37	36	91	43	31	47	57	23	37	40	.09	4	7	28.95	
	27 29.48	41	41	40	92	44	36	36	58	27	35	37	.07	3	7	14.90	
March	5 29.17	36	36	34	73	41	60	44	64	21	37	39	.01	1	4	33.75	
	12 29.00	36	36	34	79	43	31	46	63	21	36	39	.94	4	9	24.10	
	19 29.31	40	40	37	75	43	45	47	62	23	36	38	.01	1	9	11.00	
	26 29.16	45	45	42	78	47	37	51	65	29	40	39	.14	2	9	9.25	
April	2 28.43	44	44	42	85	48	38	57	64	30	41	40	1.51	6	9	7.05	
	9 28.69	44	44	42	85	45	36	34	69	26	40	40	.71	6	9	21.05	
	16 28.92	43	43	40	77	47	36	51	76	26	40	40	.81	6	8	18.25	
	23 28.88	44	43	41	85	46	38	51	72	29	41	41	.90	5	9	12.65	
	30 28.87	48	48	45	78	51	41	57	83	31	43	42	1.02	6	7	22.35	
May	7 29.01	44	44	41	77	52	40	56	83	31	45	43	.26	4	9	21.33	
	14 28.95	49	49	46	79	52	41	56	82	31	49	44	1.06	4	8	19.35	
	21 29.05	57	57	54	80	61	50	68	92	39	50	46	1.19	6	9	8.46	

June	28	28-99	49	50	46	73	53	44	59	87	36	50	47	1-81	7	8	14-09
	4	29-10	54	54	51	80	61	46	68	96	37	52	48	.27	4	7	44-90
	11	28-96	56	56	53	80	58	48	65	93	34	52	49	—	—	8	29-75
	18	29-35	61	61	60	94	70	54	78	106	40	56	50	.37	2	7	68-65
July	25	29-29	57	57	52	69	62	51	69	96	38	56	52	.03	1	8	28-30
	2	29-09	62	62	57	70	66	58	72	96	47	57	52	.60	6	8	19-85
	9	29-10	61	61	56	70	64	56	71	96	43	56	53	.53	4	9	21-55
	16	29-04	63	63	60	82	69	61	77	103	47	59	54	1-60	4	8	25-05
	23	29-13	57	57	53	74	57	51	65	90	42	56	54	.26	5	9	17-05
August	30	28-83	59	59	56	81	×	54	67	92	42	57	54	1-54	7	9	18-30
	5	29-14	60	60	57	81	×	56	69	95	45	59	54	.30	5	8	21-80
	13	29-21	66	66	63	—	×	59	78	106	42	60	55	.04	1	6	53-90
	20	29-01	64	64	61	—	71	61	80	104	49	62	56	.20	4	5	18-00
	27	29-33	58	58	55	81	63	50	70	101	38	59	57	.64	2	6	29-35
Septem.	3	29-07	60	60	57	81	61	56	71	95	43	59	57	2-19	5	8	21-45
	10	28-86	57	57	54	80	56	53	65	88	39	57	56	1-32	7	9	15-45
	17	29-15	60	60	57	81	59	53	68	88	40	57	56	.98	5	8	24-60
	24	28-98	51	51	48	79	50	44	61	88	28	54	55	.13	4	6	28-15
October	1	29-01	50	50	47	79	49	43	62	88	28	52	54	.76	6	6	39-20
	8	28-93	49	49	47	86	48	41	57	78	27	49	52	.85	5	7	10-20
	15	28-58	48	48	46	86	47	41	53	73	27	48	51	2-27	6	7	21-20
	22	28-89	51	51	49	86	50	42	56	75	21	57	50	1-71	7	9	12-20
	29	28-77	45	45	43	85	46	39	52	63	24	47	49	1-83	7	9	9-45
Novem.	5	28-95	48	48	47	93	48	51	53	68	27	45	48	1-14	7	8	14-20
	12	29-27	45	45	43	85	43	39	49	62	20	43	47	.02	2	8	5-65
	19	29-28	42	42	41	92	43	39	45	55	27	43	46	.19	4	10	2-20
	26	28-91	44	44	43	92	46	38	47	57	25	43	44	1-84	6	8	2-00
Decem.	3	28-84	43	43	42	92	43	38	48	57	22	42	45	.96	7	9	4-80
	10	29-21	38	38	37	91	37	34	51	51	15	38	44	.40	5	7	14-20
	17	28-97	43	43	43	100	44	38	45	56	25	39	42	.40	6	9	2-45
	24	29-08	49	49	49	100	49	44	54	55	29	43	43	.11	4	8	8-15
	31	29-27	42	42	41	92	44	39	45	49	22	41	43	.50	6	9	1-15
Means		29-07	52	52	47	67	48	44	56	71	31	47	47	39-72	237	8	939-38

TABLE No. 15—Continued.

CAUSE OF DEATH.	AGES.													Totals.
	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.....	35	...	35	...	...	...	...	...	...	...	...	...	...	35
Atelectasis	4	...	4	...	...	...	...	...	...	...	...	...	...	4
Congenital Malformations....	7	...	7	...	...	...	...	...	...	...	...	...	...	7
Heart Disease	3	...	3	...	...	...	...	...	...	...	...	...	...	3
Old Age .....	...	...	...	...	...	...	...	...	...	...	5	25	5	35
VI.—LOCAL DISEASES.														
1. Diseases of Nervous System														
Inflammation of Brain or Membranes	1	4	5	2	1	...	1	1	...	...	1	...	...	11
Apoplexy, Softening of Brain, Hemiplegia, Brain Paralysis.	...	...	...	...	...	1	5	14	20	10	65	33	6	154
Insanity, General Paralysis of the Insane .....	...	...	...	...	...	2	4	7	2	4	7	5	1	32
Epilepsy	1	...	1	...	2	3	3	2	...	1	...	...	...	12
Convulsions	1	1	2	...	...	...	...	...	...	...	...	...	...	2
Laryngismus Stridulus (Spasm of Glottis).....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica.....	...	...	...	...	...	2	2	1	...	...	...	...	...	5
Polio-myelitis .....	...	...	...	1	...	...	...	...	...	...	...	...	...	1
Disease of Spinal Cord, Paraplegia, Paralysis Agitans...	...	...	...	...	...	...	2	1	1	2	...	1	...	7
Other Diseases of Nervous System .....	...	...	...	...	...	...	1	1	2	...	1	1	...	6
2. Diseases of Organs of Special Sense.														
Of Ear, Eye, Nose .....	...	2	2	2	...	1	2	...	...	...	...	...	...	7
Cerebro Spinal Meningitis ...	1	1	2	...	1	...	...	...	...	...	...	...	...	3
3. Diseases of Circulatory System.														
Pericarditis .....	...	...	...	...	...	...	...	1	...	...	...	...	...	1
Acute Endocarditis.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Valvular Diseases of Heart ...	...	...	...	2	1	5	8	13	6	9	28	15	2	89
Other Diseases of Heart	5	...	5	2	4	1	7	26	24	28	65	54	6	222
Aneurism .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Embolism, Thrombosis .....	...	...	...	...	2	2	...	2	2	3	20	5	3	39
Other Diseases of Blood Vessels	...	...	...	...	...	...	...	...	1	3	19	9	1	33
4. Diseases of Respiratory System.														
Laryngitis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Croup .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Emphysema, Asthma.....	...	1	1	...	2	...	1	5	2	2	4	1	...	18
Bronchitis	13	5	18	...	...	...	2	16	11	20	59	49	6	181
Pneumonia	21	16	37	4	5	7	18	17	10	15	31	12	...	156
Pleurisy .....	...	...	...	...	...	2	...	1	2	...	...	...	...	5
Other Diseases of Respiratory System	1	...	1	1	...	...	...	3	...	...	4	...	...	9

TABLE No. 16.
SCARLET FEVER.

Ages	Cases Reported.	Deaths of such Cases.	
		Total.	Percentage.
Under 5 years ...	47		
5 to 10	99		
10 to 15... ..	39		
15 to 25... ..	18		
25 to 35	4		
35 to 45	1		
45 to 55... ..	1		
Over 55 ... ..	...	
Totals	209	Nil.	

TABLE No. 17.

DIPHTHERIA.

Ages.	Cases Reported.	Deaths of such Cases.	
		Total.	Percentage
Under 5 years ...	6	...	...
5 to 10... ...	19	1	5.26
10 to 15... ...	10	...	...
15 to 25... ...	9	...	...
25 to 35... ...	3	...	...
35 to 45... ...	2	...	...
45 to 55... ...	...	...	...
Over 55... ...	1	...	...
Total	50	1	2%

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... ..	...	...	...
35 to 45... ..	2	1	50%
45 to 55... ..	...	...	...
Over 55... ..	...	...	...
Totals	2	1	50%

TABLE No. 19.
Showing the number of Cases of Sickness and the Deaths Registered during the
several months of the year 1932 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		PNEUMONIA		CHICKEN POX.	
	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	13	...	4	...	...	...	1	...	1	...	...	...	...	...	...	...	3	...	22	...	...	...
February...	11	...	10	...	...	...	2	1	2	...	...	...	...	...	...	...	5	...	21	...	...	...
March	10	...	1	...	...	...	...	...	2	...	...	...	...	...	...	...	6	...	17	...	...	...
April	7	...	5	1	1	1	...	...	...	...	...	...	...	...	...	1	5	...	20	...	...	...
May	22	...	2	...	...	...	2	...	...	...	2	...	...	...	...	...	3	...	10	...	...	...
June	13	...	2	...	...	...	1	...	1	1	...	...	...	...	...	...	1	...	16	...	...	...
July	10	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	3	1	13	...	...	...
August	10	...	5	...	...	...	...	...	1	...	...	...	...	...	...	...	3	...	7	...	...	...
September	18	...	2	...	...	...	2	...	2	...	...	...	...	...	...	...	7	...	8	...	...	...
October	36	...	9	...	...	...	...	1	...	...	1	...	...	...	...	...	3	...	6	...	...	...
November..	33	...	4	...	...	...	1	...	1	...	...	...	...	...	...	...	12	1	10	...	...	...
December...	26	...	2	...	...	...	...	...	1	...	...	...	...	...	...	...	4	...	11	...	...	...
Totals	209	...	50	1	2	1	8	2	12	...	5	3	...	1	1	5	55	2	150	156	...	...

TABLE No. 20.

Cases of Infectious Disease notified during the Year 1932.

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 ... ..	...	...	...	...	...	...	...
Scarlet Fever ..	209	1	46	138	18	6	...
Diphtheria	50	...	6	29	9	6	...
Enteric Fever ..	2	...	...	...	...	2	...
Puerperal Fever ...	8	...	...	...	2	6	...
Puerperal Pyrexia	12	...	...	...	4	8	...
Cerebro Spinal Fever	5	1	...	...	3	1	...
Acute Poliomyelitis ...	...	...	...	...	...	...	...
Encephalitis Lethargica ...	1	...	...	...	...	1	...
Typhus Fever ...	...	...	...	...	...	...	...
Erysipelas	55	...	1	3	6	35	10
Dysentery .....	...	...	...	...	...	...	...
Malaria .....	...	...	...	...	...	...	...
Totals ...	342	2	53	170	42	65	10

TABLE No. 20—Continued.

Cases of Infectious Disease notified during the Year, 1932.

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 ..	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fev'r	209	20	11	24	34	19	13	11	27	21	9	8	12
Diphtheria...	50	4	5	3	5	6	1	3	1	8	6	6	2
Enteric Fev'r	2	...	...	...	...	...	...	1	...	...	...	...	1
Puerperal Fever...	8	...	...	...	...	2	...	1	1	1	...	1	2
Puerperal Pyrexia ...	12	1	...	1	2	...	...	...	..	3	1	1	3
Cerebro Spinal Fever	5	2	...	...	...	1	1	...	1	...	...	...	...
Acute Poliomyelitis	...	...	...	..	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica	1	...	...	...	...	1	...	...	...	...	...	...	...
Typhus Fev'r	...	...	...	...	...	..	...	...	...	...	...	...	...
Erysipelas...	55	5	3	2	7	6	4	9	3	5	4	3	4
Dysentery ..	...	...	...	..	...	...	...	...	...	...	...	...	...
Malaria ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals ...	342	32	19	30	48	35	19	25	33	38	20	19	24

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 ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fev.	133	18	9	13	22	8	10	7	21	6	8	5	6
Diphtheria...	37	4	3	2	3	4	1	3	1	3	6	5	2
Enteric Fev.	1	...	...	...	...	...	...	...	...	...	...	...	1
Puerperal „	5	...	...	...	...	1	...	1	...	1	...	1	1
Puerperal Pyrexia ...	4	...	...	1	...	...	...	...	...	1	1	1	...
Cerebro Spinal Fev.	4	2	...	...	...	...	1	...	1	...	...	...	...
Acute P'li'my'litis	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica	1	...	...	...	...	1	...	...	...	...	...	...	...
Typhus Fev.	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas...	13	2	...	1	1	2	2	1	2	1	1	...	...
Dysentery...	...	...	...	...	...	...	...	...	...	...	...	...	...
Malaria .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals ...	198	26	12	17	26	16	14	12	25	12	16	12	10

TABLE

SUMMARY OF CASES ADMITTED INTO WESTHULME

	1913		1914		1915		1916		1917		1918		1919		1920		1921	
	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died
Measles .....	...	...	47	7	6	1	18	2	19	2	17	...	36	...	8	...	4	...
Measles & Appendectomy .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles & Pneumonia .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever...	509	10	815	37	364	7	110	2	99	1	106	6	296	11	318	6	503	8
Doubtful Scarlet Fe. ....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fe. & Diphtheria .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fe. & Measles ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fe. & Chick'n-pox...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fe. & Whoop'g C'gh .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fe. & Phthisis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria	22	9	46	9	37	6	76	20	32	4	52	9	71	9	87	16	72	6
Diphtheria & Measles .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria, Measles and Ophthalmia .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria & Phthisis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria & Typhoid Fe. ....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Typhus .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Typhoid Fever.	10	...	24	6	14	1	9	3	11	4	24	4	7	3	7	3	13	5
Puerperal Fe. ....	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	1	...	1	...	5	...	2	...	4	...	2	...	2	...	3	...	1	...
Tuberculosis ...	...	...	105	20	127	22	131	23	162	29	153	28	147	25	114	28	99	22
Chicken-pox ...	4	...	...	...	...	...	...	...	1	...	9	...	9	...	6	...	5	...
Chic'n-pox & Appendicitis ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough .....	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro Spinal Meningitis ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Marasmus .....	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...
Malnutrition ...	...	...	...	...	...	...	...	...	3	...	7	3	13	1	...	...	...	...
Mumps .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	546	19	1040	80	553	37	346	50	331	40	370	50	583	50	543	53	311	18

No. 21.

HOSPITAL DURING THE YEARS 1913 TO 1932.

1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932
Admitted Died	Admitted Died	Admitted Died	Admitted Died	Admitted Died	Admitted Died	Admitted Died	Admitted Died	Admitted Died	Admitted Died	Admitted Died
64 10	10 ...	25 ...	56 8	29 1	22 2	7 1	16 1	12 ...	22 ...	16 ...
...	...	...	...	1 ...	1 ...	...	...	...	...	...
467 7	194 5	162 5	371 9	306 ...	185 ...	256 2	475 3	522 5	254 3	221 ...
...	1 ...	...	...	...	...	...	3 ...	...	...	...
3 ...	3 1	2 ...	3 ...	1 7	...	5 ...	9 1	3 ...	...	1 ...
1 ...	1 ...	...	...	...	...	...	1 ...	...	...	...
...	1 ...	1 ...	...	...	...	1 ...	2 ...	1 ...	...	...
...	...	...	...	2 ...	...	...	...	...	...	...
...	...	...	...	1 ...	...	...	...	...	...	...
67 12	53 12	83 6	128 22	150 15	213 16	276 31	240 14	162 17	106 4	75 7
2 1	...	...	2 1	...	2 1	2 2	...	...	...	...
...	...	1 ...	...	...	...	...	...	...	...	...
1 ...	1 ...	...	...	...	...	...	...	...	...	...
...	...	...	1 1	...	...	...	...	...	...	...
11 3	9 2	12 2	8 2	6 1	7 2	6 3	6 2	2 1	11 1	6 2
...
...	...	1 1	1 ...	1 1	...	1 1	...	...	1 ...	...
...	...	1 ...	...	...	2 ...	...	...	...	2 ...	1 ...
105 28	94 18	95 22	96 27	80 27	98 23	82 25	83 35	78 17	96 20	101 34
2 ...	14 ...	24 3	9 ...	12 ...	...	1 ...	...	1 ...	2 ...	2 ...
1 ...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	5 2	4 ...
...	...	...	...	1 1	2 2	1 1	...	...	2 ...	6 4
2 ...	36 ...	28 ...	13 2	...	15 ...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	1 ...
726 61	417 38	435 40	688 73	596 46	547 46	638 66	835 56	781 40	501 30	436 49

TABLE No. 22

Showing the number of new Cases of Sickness coming to the knowledge of the Medical Officer of Health during the years 1901 to 1932.

Year.	Small-pox.	Scarlet Fever.	Diphtheria.	Typhus Fever.	Typhoid Fever.	Puerperal Fever.	Total Cases.
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
1928	31	279	288	...	1	31†	630
1929	18	668	221	...	6	32†	945
1930	32	712	168	...	...	34†	946
1931	...	272	88	...	8	28†	396
1932	...	209	50	...	2	20†	281

* 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, Hartshead and Strinesdale Hospitals during the years 1918 to 1932.

Hospitals	1918		1919		1920		1921		1922		1923		1924		1925		1926		1927		1928		1929		1930		1931		1932	
	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	...	...	...	...	4 ...	1 ..	49 ...	...	...	...	...	...	...	...	10 ...	19 ...	30 ...	18 ...	32 ...	...	...	...	...	...	...	...	...	...	...	...
Strinesdale.....	* 79	...	* 73	...	* 76 ...	* 76 1	* 73	2	* 50	...	* 67 ...	* 77 ..	* 96	3	* 86	9	* 76	4	* 73	8	* 71	8	* 103	8	* 96	7	* 85	12	*	12
Oldham Cases	57	..	55	...	68 ...	74 ..	122	2	48 ..	67 ...	77 ..	106	3	105	9	106	4	91	8	103	8	96	7	85	12					
Out-Township Cases	22	...	18	...	...	6 ...	...	...	2 ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	79	...	80	...	68	4	77	...	122	2	50	...	67	...	77	...	106	3	105	9	106	4	91	8	103	8	96	7	85	12

* Cases of Phthisis.

TABLE No. 24.

HEALTH VISITORS' SUMMARY,

For Year ending December, 1932.

Total Live Births—Legitimate	...	...	...	...	1842
„ „ Illegitimate	...	...	...	...	114
„ Still Births	...	...	...	...	115
„ Births notified by Midwives	...	...	...	...	1329
„ „ „ Doctors and Parents	...	...	...	...	710
Infant Deaths—Legitimate	...	...	...	...	138
„ „ Illegitimate	...	...	...	...	11
Visits to Children under 1 year	...	...	...	...	6060
„ „ 1 to 5 years	...	...	...	...	12347
„ Expectant Mothers...	...	...	...	...	433
„ Ophthalmia	...	...	...	...	44
„ Puerperal Fever	...	...	...	...	10
„ „ Pyrexia	...	...	...	...	18
„ Measles	...	...	...	...	1202
„ Mumps	...	...	...	...	82
„ Whooping Cough	...	...	...	...	586
„ Chicken Pox	...	...	...	...	486
„ Special Enquiries	...	...	...	...	822
„ Infant Deaths...	..	...	...	...	133

TABLE No. 25.

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

No. of Workshops on Register December, 1931	...	...	...	374
" " Discontinued during 1932	...	..	...	28
" " Registered during 1932...	...	...	...	10
" " on Register December, 1932	...	...	...	356
" Visits Paid	...	...	...	411
" Notices Served	...	...	...	31
" " Complied with	...	...	...	27

Nature of Defects.	Notices Served.	Notices Complied with.
Dirty Workrooms	...	...
Damp, Defective Roof, &c.	2	1
Defective Ventilation	...	...
Defective Water Supply	...	...
Insufficient or no Closet Accommodation	1	1
Defective Closets	3	3
Closet—Not Separate for Sexes	1	1
Defective Drains	1	1
Untrapped Drains	...	...
Blocked Drains	3	3
Dust Bins	...	...
Defective or Short Slop Pipes	...	...
Fire Escapes	10	7
Accumulations	3	3
Defective Chimneys	1	1
Overcrowding	...	...
Miscellaneous	6	6

TABLE No. 26.

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

No. of Bakehouses on Register, December, 1931	...	...	...	...	307
„ „ discontinued during 1932	...	...	...	...	8
„ „ registered during 1932	...	...	...	...	22
„ „ on Register, December, 1932	...	...	...	...	319
„ Visits paid	...	...	...	...	482
„ Notices served	...	...	...	...	28
„ „ complied with	...	...	...	...	25

Nature of Defects.	Notices Served	Notices Complied with.
Defective Ventilation	2	1
Dirty Bakehouses ... ..	..	...
Accumulations	1	1
Damp, Defective Roof, etc.	4	4
Defective Water Supply	1	1
Defective Dustbins	5	5
Defective Slop Pipe	2	2
Blocked Drains	4	4
Defective Drains	2	2
Defective Chimneys	1	...
Defective Closets	1	1
Insufficient or no Closet Accommodation	2	1
Broken Walls .. ...	...	...
Broken Ceiling	1	1
Miscellaneous	2	2

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	Electric
No. A	32	...	14	10	2	6	2	24	5	...	1
„ B	64	4	13	19	4	24	5	66	6	...	...
„ C	74	1	33	5	2	33	5	73	1	...	3
„ D	56	1	17	18	3	17	6	49	...	...	1
„ G	51	6	13	7	5	20	7	43	6	1	1
„ H	42	3	6	8	4	21	3	41	5	2	...
Totals	319	15	96	67	20	121	28	296	23	3	6

TABLE No. 27.

REGISTERED MILK PURVEYORS.

No. of Milk Shops on Register, December, 1931	...	...	...	322
" " Discontinued during 1932	...	...	...	22
" " Registered " 1932	...	...	...	75
" " on Register, December, 1932	...	...	...	375
No. of Visits to Milk Shops	...	...	...	503
No. of Notices Served	...	...	...	6
" " Complied	...	...	...	6

No. of Oldham Farmers on Register, December, 1931	...	...	33
" " " Discontinued during 1932	...	...	0
" " " Registered " 1932	...	...	1
" " " on Register, December, 1932	...	...	158

No. of Outside Farmers and Dairymen on Register, Dec., 1931	124
" " " " " Discontinued during 1932	13
" " " " " Registered " 1932	47
" " " " " on Register, Dec., 1932	34

MILK (SPECIAL DESIGNATIONS) ORDER, 1932.

No. of Licences to Sell Certified Milk	...	...	...	2
" " to Pasteurise Milk	...	...	...	1
" " to Sell Pasteurised Milk	...	...	...	29

ICE CREAM VENDORS.

No. of Visits	...	...	...	83
" Notices Served	...	...	...	2
" " Complied	...	...	...	2

TABLE No. 28.

Showing the number of Smoke Observations taken and Inspections of
Mill Lodges made during the years 1931-1932.

Month ending		SMOKE OBSERVATIONS.		MILL LODGES INSPECTIONS.	
1931.	1932.	1931.	1932.	1931.	1932.
Jan. 10	Jan. 9...	17	20	27	—
Feb. 7	Feb. 6...	81	65	35	24
Mar. 7	Mar. 5...	95	67	37	19
Apr. 4	Apr. 2...	98	57	24	36
May 2	Apr. 30...	63	61	29	32
„ 30	May 28...	82	46	31	32
June 27	June 25...	67	70	24	51
July 25	July 23...	77	79	21	44
Aug. 22	Aug. 20...	83	105	25	34
Sep. 19	Sep. 17...	58	44	19	18
Oct. 17	Oct. 15...	102	86	39	31
Nov. 14	Nov. 12...	76	74	24	15
Dec. 12	Dec. 10...	104	76	47	27
	Dec. 31	53	62	39	1
Totals		1056	912	421	364

TABLE No. 29

HALF-HOURLY SMOKE OBSERVATIONS,
TAKEN DURING 1932.

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
912	388	276	173	59	13	3
Percentage ...	42.54	30.26	18.97	6.47	1.43	0.33

TABLE No. 30.
LIST OF FIRMS REPORTED TO HEALTH COMMITTEE DURING THE YEAR 1932.

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
Tay Mill ...	Windsor Street ...	4	32	8 0	Tons 100	4	None	Legal Notice Served.
Gresham Mill ...	Main Road ...	2	30	8 6	45	2	None	Cautioned by Health Committee.
Holyrood Mill ...	Windsor Street ..	3	30	7 6	65	3	None	Legal Notice Served.
Orb Mill ...	Holgate Street ...	3	30	8 0	67	3	None	Legal Notice Served.

TABLE No. 31.

SMOKE PROSECUTIONS DURING 1932.

No. of Firms Fined	Amount of Fine.	No. of times previously prosecuted.
Nil	Nil	Nil

TABLE No. 32.

NATURE OF SMOKE APPLIANCES IN USE IN THE
BOROUGH OF OLDHAM, 1932.

Name of Appliances.	No. of Mills.	No. of Boilers.
Auto-Coking Machines	8	19
Broadbent's Louvre Air Regulators... ..	10	40
Caddy's Tubular Bars	2	7
Butterworth's Sectional Bars	2	7
Hollow or Split Bridge Walls	3	10
Hamer's Patent Expansion Joints	2	7
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	13
Mellor's Patent	2	6
Evan's „	1	2
TOTALS... ..	35	128

Where no Appliances are fixed— 101 Mills ; 273 Boilers. There
are also about 45 Workshop Chimneys not on books.

Number Electrified ... 14

Partly Electrified 15

FOOD INSPECTOR'S REPORT.

Visits to Markets ...	...	...	...	...	...	364
Do. Cattle Wharves...	...	...	...	...	...	370
Do. Meat Shops ...	...	...	...	...	...	9,419
Do. Fish Shops ...	...	...	...	...	...	741
Do. Fruit and Vegetable Shops ...	...	...	...	...	...	4,831
Do. Miscellaneous	Do.	...	...	...	...	3
Do. Under Contagious Disease Animals Act	...	...	...	...	...	9
Do. Corporation Destroyers	...	...	...	...	...	122
No. of Samples of Food Purchased under Food & Drugs Acts	...	...	...	...	...	137
" " " Informal "	...	...	...	...	...	28
No. of Samples of Milk examined for Tuberculosis	...	...	...	...	...	60

SLAUGHTER HOUSES.

VISITS MADE AND DEFECTS REMEDIED.

No. on Register, December, 1931	...	...	...	...	34
No. lapsed during 1932	...	...	...	...	0
No. newly licensed during 1932	...	...	...	...	0
No. on Register, December, 1932...	...	...	...	...	34

DAIRIES AND COWSHEDS.

No. of Dairies on Register, December, 1931	...	...	...	33
No. " " " 1932	...	...	...	34
No. of Cowsheds on Register, December, 1931	...	...	...	75
No. " Lapsed during 1932	...	...	...	0
No. of New Cowsheds Registered during 1932	...	...	...	0
No. of Cowsheds on Register December, 1932	...	...	...	75

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

Total number of Cowsheds, 75.						1931.	1932.
						No. of Shippons	No. of Shippons.
600 cubic feet and under	700 cubic feet per head					28	28
700	"	800	"	"	...	12	12
800	"	900	"	"	...	22	22
900	"	1000	"	"	...	9	9
1000	"	1100	"	"	...	2	2
1100	"	1200	"	"	...	2	2
Total						75	75

SUMMARY.

					Visits paid.	Notices served.	Notices complied with.
Slaughter Houses	...	...	...	...	6,767	—	—
Dairies	...	...	...	...	47	—	—
Cowsheds	...	...	...	...	91	—	—

DISEASED OR UNSOUND FOOD DESTROYED.

						Tons.	Cwts.	Qrs.	Lbs.
11 Cattle	...	...	...	...	...	2	7	3	20
23 Sheep	...	...	...	...	...	0	8	2	22
27 Pigs	...	...	...	...	...	1	3	3	2
Meat	...	...	...	...	...	2	17	2	4
Offal	...	...	...	...	...	10	8	3	5
Preserved Foods	..	...	...	...	...	1	1	3	0
Fish	...	...	...	...	...	0	9	1	0
8 Rabbits	...	...	...	...	...	0	0	0	24
80 Eggs	...	...	...	...	...	0	0	0	10
Total	...	...	...	...	...	18	18	0	3

SUMMARY.—*continued.*

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 in Cattle	...	...	...	220	22	242
Tuberculosis in Pigs	...	...	...	65	174	239
Flukey Livers	...	...	...	29	264	293
Echinococcus	...	...	...	18	156	174
Dropsy	...	...	...	12	2	14
Pneumonia and Pleurisy	...	...	...	6	132	138
Injured	...	...	...	4	0	4
Suffocation	...	...	...	14	0	14
Angioma	...	...	...	0	18	18
Cirrhosis	...	...	...	8	48	56
Abscess	...	...	...	8	15	23
Unsound	...	...	...	7	0	7
Septicæmia	...	...	...	0	1	1
Jaundice	...	...	...	0	1	1
Mammitis	...	...	...	12	11	23
Actinomycosis	...	...	...	0	1	1
Nephritis	...	...	...	3	0	3
Pericarditis	...	...	...	0	2	2
Fatty Degeneration	...	...	...	0	1	1
Exposure	...	...	...	1	0	1
Putrefaction	...	...	...	12	1	13
Congestion	...	...	...	0	3	3
Strongylus	...	...	...	0	7	7
Total				419	859	1278

INSPECTORS' ANNUAL REPORT, 1932.

Total Number of Reports of Nuisances and Notices Served...	...	3244
Total Number of Notices complied with ... ..	...	3115
Number of Cases reported to Health Committee in 1932 ... ..	...	969
Number of Notices complied with Order of Committee...	...	953
Number of Committee Cases remaining unabated ... ..	...	16
Number of Cases dealt with by the Magistrates in 1932 ... ..	...	—
Number of Complaints Received and Visited ... ..	...	729
Re-Inspection of Nuisances under Notice ... ..	...	13767

House-to-House Inspection	... ..	5485
Total Number of Houses Inspected on Complaint...	... ..	2459
Visits to Cases of Infectious Disease	... ..	380
Visits to Cases of Tuberculosis...	... ..	38
Miscellaneous Visits	... ..	3742
Privies Inspected	... ..	9631
Letters written to Property Owners or Agents, &c.	... ..	196

NUISANCES.	Notices Served.	Notices Complied with
Dirty Houses	59	56
Damp, Defective Roof, &c....	731	679
Defective Ventilation	128	113
Defective Cellars	6	6
Closet Nuisances	110	103
Defective Water Supply	34	34
Overcrowding	34	30
Unfit for Habitation	1	—
Unregistered Houses let in lodgings...	13	13
Separation of Sexes	26	16

HOUSES LET IN LODGINGS, 1932.

Number of Houses on Register, December, 1931	...	...	...	137
" " lapsed during 1932	...	...	...	14
" " registered during 1932	...	...	...	19
" " on register December, 1932	...	...	...	142
Rooms on register December, 1931	...	...	...	734
" " lapsed during 1932	...	...	...	61
" " registered during 1932	...	...	...	108
" " on register December, 1932	...	...	...	781
Visits paid	...	...	...	9053
Notices Served	...	...	...	176
" complied with	...	...	...	159

NATURE OF DEFECTS	Notices Served	Notices Complied With
Broken Walls, Floors and Ceilings...	13	13
Overcrowding	20	20
Separation of Sexes	26	16
Dampness from Defective Roof, etc.	23	22
Blocked and Defective Drains	14	14
Defective Slop-pipes	3	3
Dirty Walls, Floors, Ceilings, Closets, etc....	24	22
Defective Water Closets	3	3
" Waste Water Closets...	2	2
Additional Closets Provided	5	3
Accumulations of Refuse	2	2
Defective Dust bins	9	9
Defective Ventilation	—	—
Failing to Register	13	13
Other Defects	19	17
	176	159

DRAINAGE DEFECTS.	Notices Served.	Notices Complied with
Blocked Drains	477	467
Defective Drains... ..	193	175
Drain Inlets Untrapped or Defectively Trapped ...	321	305
Slop Pipe, Defective or Improperly Ventilated ...	38	37
Defective Water Closets	39	36
Defective Waste Water Closets... ..	897	894
New Water Closets provided	197	161
New Waste Water Closets	—	—
New Pail Closets	1	1
Yards and Passages Repaired and Flagged	68	53
Accumulation of Offensive Matter	154	147
Manure Heaps	15	14
Defective and Insufficient Dustbins	814	799

No. of Smoke or other Tests, 914. No. of Houses Tested, 765.
 No. of Defects found, 251. 1104 yards of Channel Tiles and Drainage
 Pipes have been laid or re-laid.
 Traps fixed, 305. Ventilating Grids, 1.
 Houses connected with Main Sewer, 112.

VISITS TO VARIOUS PREMISES.	Visits Paid.	Notices Served.	Notices Complied with
Bakehouses	482	28	25
Pigsties	38	—	—
Tents, Vans, and Sheds	1124	1	1
Houses let in Lodgings	9053	176	159
Offensive Trades	300	6	6
Mill Lodges	364	1	1
Ice Cream Vendors	83	2	2
Milkshops	503	6	6
Factories and Workshops	411	31	27
Shop Hours Act	—	—	—

CLOTHING, &c., 1931-1932.

Articles.	Disinfected.		Destroyed.		Totals.	
	1931.	1932.	1931.	1932.	1931.	1932.
Blankets	1234	951	37	27	1271	978
Sheets	861	625	24	28	885	653
Pillows	948	1605	130	162	1078	1767
Bolsters	732	525	48	53	780	578
Quilts.....	885	613	17	25	902	638
Mattresses	14	17	64	85	78	102
Beds	654	947	140	172	794	1119
Carpets	18	2	8	1	26	3
Rugs	37	26	2	...	39	26
Curtains	49	9	...	...	49	9
Clothes	1339	1648	194	154	1533	1802
Sundry Articles ...	19	644	203	228	222	872
Total	6,790	7,612	867	935	7,657	8,547

1931—Total Houses Disinfected ... 715

,, Rooms ,, ... 1789

1932—Total Houses Disinfected .. 550

,, Rooms ,, ... 1421

