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**COUNTY BOROUGH OF STOCKPORT**



# **ANNUAL REPORT**

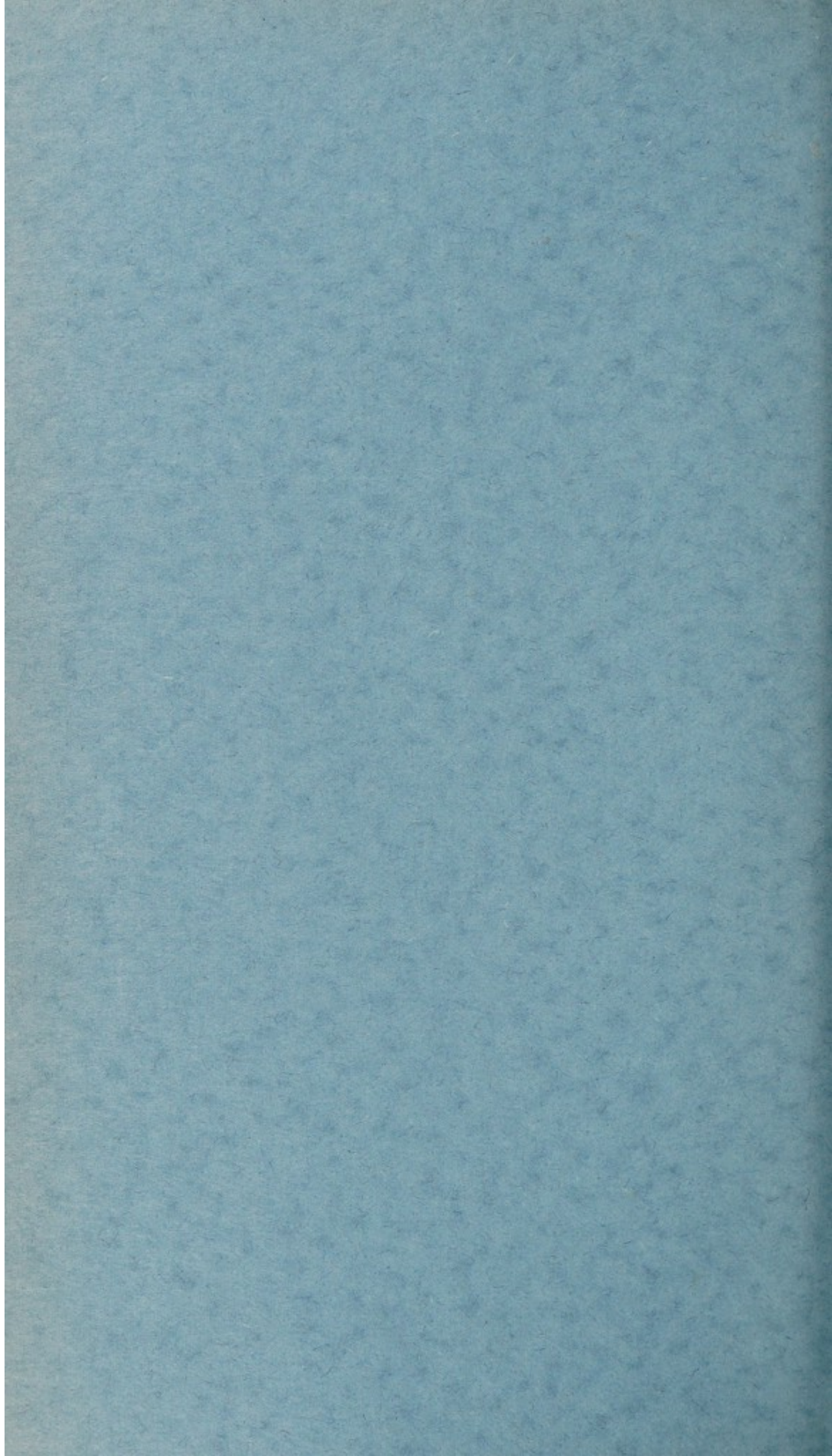
OF THE  
**MEDICAL OFFICER  
OF HEALTH**

**J. YULE, M.D., D.P.H.**



# **1937**








ANNUAL REPORT  
ON THE  
HEALTH  
OF THE  
County Borough of Stockport  
For the Year 1937.

J. YULE, M.D., D.P.H.  
*Medical Officer of Health.*





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The following are the Committees for 1937-38 :—

PUBLIC HEALTH AND ASSISTANCE COMMITTEE.

*Chairman*—ALDERMAN HENRY PATTEN, J.P.

*Vice-Chairman*—COUNCILLOR JAMES H. STANSFIELD.

HIS WORSHIP THE MAYOR (Councillor Herbert Shepherdson).

ALDERMEN GEORGE H. BENNETT, FRED BOWLER, J.P., JAMES R. GOSLING, JOHN T. HOPKINS, J.P., JOSEPH HOUGH, JOSEPH MORTON, and CHARLES ROYLE, J.P.; COUNCILLORS ADA ALLCOCK, ERNEST AXON, EDWARD BROWN, WILLIAM THOMAS DINGLE, J.P., THOMAS S. FISH, CHARLES GATTIE, GEORGE GILL, HENRY GREEN, J.P., EDMUND GRUNDY, JOHN T. HILL, AMBROSE H. HULL, M.B.E., CATHERINE E. JOHNSON, GEORGE W. MEREDITH, THOMAS J. VERNON PARRY, JAMES M. PIDGEON, REV. A. RIPPINER, F.R.G.S., WALTER H. ROWLINSON, TOM SIDES, JOHN EDWARD SMITH, TOM START, OSWALD TAYLOR, and ERNEST WHITELEY.

GENERAL HEALTH SUB-COMMITTEE.

*Chairman*—COUNCILLOR JAMES H. STANSFIELD.

*Vice-Chairman*—COUNCILLOR THOMAS S. FISH.

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MATERNITY AND CHILD WELFARE SUB-COMMITTEE.

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*Vice-Chairman*—COUNCILLOR CATHERINE E. JOHNSON.

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*Vice-Chairman*—HIS WORSHIP THE MAYOR (Councillor Herbert Shepherdson).

ALDERMEN GEORGE H. BENNETT, FRED BOWLER, J.P., JOHN T. HOPKINS, J.P., JOSEPH MORTON, and CHARLES ROYLE, J.P.; COUNCILLORS ADA ALLCOCK, EDWARD BROWN, THOMAS S. FISH, THOMAS J. VERNON PARRY, TOM SIDES, JOHN EDWARD SMITH, JAMES H. STANSFIELD, OSWALD TAYLOR, and ERNEST WHITELEY.

STAFFING SUB-COMMITTEE.

*Chairman*—ALDERMAN HENRY PATTEN, J.P.

*Vice-Chairman*—HIS WORSHIP THE MAYOR (Councillor Herbert Shepherdson).

ALDERMEN FRED BOWLER, J.P., JOHN T. HOPKINS, J.P., and JOSEPH MORTON; COUNCILLORS ADA ALLCOCK, WILLIAM THOMAS DINGLE, J.P., THOMAS S. FISH, CATHERINE E. JOHNSON, GEORGE W. MEREDITH, JOSEPH RANGLES, TOM SIDES, JOHN EDWARD SMITH, JAMES H. STANSFIELD, and OSWALD TAYLOR.



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*Chairman*—ALDERMAN JOSEPH MORTON.*Vice-Chairman*—HIS WORSHIP THE MAYOR (Councillor Herbert Shepherdson).

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## No. 1 RELIEF AND REPAYMENT SUB-COMMITTEE.

*Chairman*—HIS WORSHIP THE MAYOR (Councillor Herbert Shepherdson).*Vice-Chairman*—COUNCILLOR OSWALD TAYLOR.

ALDERMEN GEORGE H. BENNETT, and HENRY PATTEN, J.P.; COUNCILLORS THOMAS S. FISH, HENRY GREEN, J.P., AMBROSE H. HULL, M.B.E., and TOM START.

## No. 2 RELIEF AND REPAYMENT SUB-COMMITTEE.

*Chairman*—ALDERMAN JOSEPH MORTON.*Vice-Chairman*—COUNCILLOR EDWARD BROWN.

ALDERMEN FRED BOWLER, J.P., and JOSEPH HOUGH; COUNCILLORS ERNEST AXON, CATHERINE E. JOHNSON, REV. A. RIPPINER, F.R.G.S., and WALTER H. ROWLINSON.

## No. 3 RELIEF AND REPAYMENT SUB-COMMITTEE.

*Chairman*—COUNCILLOR JAMES M. PIDGEON.*Vice-Chairman*—ALDERMAN JOHN T. HOPKINS, J.P.

COUNCILLORS ADA ALLCOCK, WILLIAM THOMAS DINGLE, J.P., ALBERT E. KIRKHAM, GEORGE W. MEREDITH, THOMAS J. VERNON PARRY, and JAMES H. STANSFIELD.

## No. 4 RELIEF AND REPAYMENT SUB-COMMITTEE.

*Chairman*—ALDERMAN JAMES R. GOSLING.*Vice-Chairman*—COUNCILLOR JOHN E. SMITH.

ALDERMAN CHARLES ROYLE, J.P.; COUNCILLORS CHARLES GATTIE, EDMUND GRUNDY, JOHN T. HILL, TOM SIDES, and ERNEST WHITELEY.

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*Chairman*—COUNCILLOR JOHN T. LORD.*Vice-Chairman*—COUNCILLOR CHARLES HARTLEY.

HIS WORSHIP THE MAYOR (Councillor Herbert Shepherdson).

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## STAFF OF PUBLIC HEALTH DEPARTMENT.

Medical Officer of Health; School Medical Officer; Administrative Tuberculosis, Maternity and Child Welfare, and Venereal Diseases Officer; Medical Superintendent of Infectious Diseases Hospitals; and Administrative Officer, Stepping Hill Hospital :—

JOHN YULE, M.D., Ch.B., D.P.H.

Senior Assistant Medical Officer of Health and Tuberculosis and Assistant Venereal Diseases Officer :—

EDWIN RATNER, M.D., Ch.B., D.P.H. (ceased 31st March, 1937).

GERALD RAMAGE, M.D., Ch.B., D.P.H. (commenced 17th May, 1937).

Assistant Medical Officer of Health, Maternity and Child Welfare Medical Officer, and Assistant Venereal Diseases Officer :—

JEAN M. MACKINTOSH, M.D., Ch.B. D.P.H.

Assistant Medical Officer of Health :—

A. R. M. MOIR, M.B., Ch.B., D.P.H.

Clinical Venereal Diseases Officer (Part time) :—

W. J. S. REID, M.A., B.Sc., M.D., M.R.C.P.

Consultant Obstetrician to Mile End Hall Maternity Hospital and Stepping Hill Hospital (Part time) :—

KENNETH VERNON BAILEY, M.C., M.D., F.C.O.G., M.R.C.P.

Ear, Nose and Throat Specialist to Dialstone Lane Hospital (Part time) :—

N. YOUNG, F.R.C.S. (Edin.).

Assistant Medical Officers, Maternity and Child Welfare Centres (Part time) :—

HARRY SLATER, M.B., Ch.B.

MARY WILSON, M.B., Ch.B.

Public Analyst (Part time) :—

T. R. HODGSON, M.A., F.I.C., F.C.S.

Veterinary Surgeon (Part time) :—

J. J. GARSIDE, M.R.C.V.S. (Died November 12th, 1937).

Chief Sanitary Inspector and Inspector of Foods.....F. ALLSOP§ °

District Inspectors	{	.....H. PRICE§ °
		.....F. MILLS§ °
		.....P. N. BLOMFIELD§ °
		.....H. HOWARD§ °
		.....S. H. TURNER§ °
		.....J. H. PEEBLES§ °

Housing Inspectors	{	.....S. DERBYSHIRE§
		..(Commenced 15/2/37).....J. CUNNINGHAM§

Shops Act Inspector.....W. TURNER§ °



Superintendent Health Visitor.....	Miss K. M. JONES†§a
Health Visitors	.....Miss E. B. SWAN§†a
	.....Miss E. SNOWDON*†a
	.....Miss L. M. DREW*†a
	.....Mrs. E. HOLLAND†a
	.....Miss D. T. CLAYTON*†a
	.....Miss K. McMAHON*†a
	.....Miss V. J. STUBBS*†a
	..(Commenced 14/6/37).....Miss J. B. COOPER*†a (Tuberculosis).....Miss M. SMITH*†
Non-Medical Supervisor of Midwives (Commenced 1/2/38)....	Miss E. M. SKRIMSHIRE*†
Municipal Midwives	(Commenced 1/8/37).....Mrs. M. ADCROFT†
	Do. ....Mrs. M. J. BENNETT†
	Do. ....Mrs. R. FARR†
	Do. ....Miss F. FAULKNER†
	Do. ....Miss S. MORRIS*†
	Do. ....Mrs. S. PEEL†
	Do. ....Miss H. F. TROTTER*†
	(Commenced 1/9/37).....Mrs. J. G. TURK*† (Commenced 1/8/37).....Mrs. N. WALKER† Do. ....Miss A. WHITAKER†
Matron, Isolation and Tuberculosis Hospitals.....	Miss F. V. M. CALDWELL
Matron, Mile End Hall Maternity Hospital.....	Miss E. M. SKRIMSHIRE
Deputy Matron, Isolation Hospital.....	Miss M. SEDDON
Deputy Matron, Tuberculosis Hospital.....	Miss E. E. WILSON
Masseuse (Part time) Maternity and Child Welfare Department....	Miss G. POTTS

§Certificate, Inspector of Nuisances.

°Certificate, Meat and Other Foods.

\*State Registered Nurse.

† Certificate of Central Midwives Board.

a Certificate (new) R S.I., Health Visitors.

#### CLERICAL STAFF.

Chief Clerk .....	A. ROWLAND, A.C.I.S.
<i>General Health.</i>	
Statistical Clerk {	(Transferred to Dispensary 26/7/37).....H. HOLDEN
	(Commenced 1/7/37).....H. G. HOE
Junior Clerks {	(Ceased 31/12/37).....E. A. BURN
	.....E. W. JACKSON
Shorthand Typist.....	Miss C. M. CLARK
Office Girl {	(Commenced 15/2/37; transferred to M.C.W. 30/10/37
	Miss J. GREENWOOD
	(Commenced 1/11/37).....Miss E. M. TAYLOR
<i>Maternity and Child Welfare.</i>	
Records Clerks {	.....Miss K. L. ECKERSALL
	.....Miss J. ORR
Junior Clerks {	(Ceased 30/10/37).....Miss E. N. M. HAYWARD
	(Commenced 10/5/37).....Miss M. PUGH
	(Transferred from Gen. Health 30/10/37).....Miss J. GREENWOOD
<i>Dispensary.</i>	
Correspondence and General Clerk {	(Superannuated 4/8/37).....Mrs. F. STEAD
	(Transferred from Gen. Health 26/7/37).....H. HOLDEN
Records Clerk.....	Miss A. B. BELLERBY
<i>Housing.</i>	
General Clerk.....	H. WINSTANLEY

V.D. Orderly (Part time).....W. E. LEES

## PUBLIC VACCINATORS :—

\*No. 1 District .. J. W. BROOKS, M.B., Ch.B.

\*No. 2 District .. R. M. WILSON, M.B., Ch.B.

\*No. 3 District .. F. CHADWICK, M.B., Ch.B.

Stepping Hill Hospital ; Shaw Heath Institution ; Cottage Homes :—

E. C. DUTTON, M.B., Ch.B., F.R.C.S. (Ed.).

\*A redistribution of the Borough into the above districts was put into effect on the 1st October, 1937.

## VACCINATION OFFICERS :—

No. 1 District .. S. R. BROOME.

No. 2 District .. W. C. TUNSTALL.

No. 3 District .. J. T. LOMAS.

A redistribution of the Borough into the above districts was put into effect on the 1st July, 1937.

## PUBLIC ASSISTANCE DEPARTMENT.

Public Assistance Officer :—H. BARLOW, Barrister-at-Law.

Deputy :—HENRY WHALLEY.

Medical Superintendent, Stepping Hill Hospital ; Medical Officer, Shaw Heath Institution and Cottage Homes :—E. C. DUTTON, M.B., Ch.B., F.R.C.S. (Ed.).

## DISTRICT MEDICAL OFFICERS :—

No. 1 District .. J. A. D. WYNESS, M.B., Ch.B.

No. 2 District .. F. CHADWICK, M.B., Ch.B.,

No. 3 District .. C. B. V. WALKER, M.B., Ch.B., D.P.M.

No. 4 District .. W. M. THOMSON, L.R.C.P., L.R.C.S.



## To the Worshipful the Mayor, Aldermen and Councillors of the County Borough of Stockport.

MR. MAYOR, LADIES AND GENTLEMEN,

I have the honour to submit to you the report on the health of the Borough during 1937.

The Birth Rate was 14.14, compared with 14.9 per thousand of the population for England and Wales.

The Death Rate was 13.94, compared with 12.4 for England and Wales.

The Infant Mortality Rate was 56.61, compared with 58 for England and Wales, and 75.60 for Stockport for 1936.

There was an increased incidence of Diphtheria during the last quarter of the year, but no serious epidemic of any infectious disease during the year.

The year has been one of outstanding importance, as in November the new Public Health and Assistance Committee was formed to carry out the work formerly administered by the Public Assistance, Health, and Maternity and Child Welfare Committees. This has been done by the Council after prolonged and careful consideration, with a view to the better co-ordination of the Public Health Services of the Borough, including the School Medical Service.

It is not anticipated that the full consequences of this action will be apparent for a number of years. However, certain important steps have already been taken. Stepping Hill Hospital was appropriated for Public Health purposes on the 1st April, 1938. It is the policy of the Council to develop their Hospital services on the site at Stepping Hill Hospital, not only for general hospital beds, but also for Maternity, Tuberculosis and Children's work, so that ultimately a complete and comprehensive Hospital Centre will be developed around the existing buildings.

A tender has already been accepted for a new Maternity Unit of over 50 beds, with an Ante-Natal Clinic attached. Moreover, plans are already prepared for an extension to the Nurses' Home.

Until the new Maternity Block is completed, it has been necessary to utilise three of the existing Wards for Maternity cases, which rendered it possible to close Mile End Maternity Hospital on the 1st February, 1938, and concentrate all Maternity cases at Stepping Hill Hospital. Until the extension to the Nurses' Home is completed, Mile End Hall is being utilised as an annexe to the Nurses' Home at Stepping Hill Hospital.

The most recent step taken by the Council has been the decision to close Whitehill Hospital for Tuberculosis cases, and transfer these either to the Tuberculosis Wards at Stepping Hill Hospital, or to outside Sanatoria.

These are a few of the steps already taken by the new Committee to co-ordinate and unify the existing Public Health Services, and it is hoped that by pursuing a similar policy in other directions, the aim of the Council, will, in a few years, be attained.

The year has also been one of great activity in other directions.



The Slum Clearance programme has been actively carried out. During the year three Ministry of Health Inquiries were held, involving 324 houses. In addition, concurrently, an attempt has been made to abate cases of statutory overcrowding found as a result of the Overcrowding Survey.

Another epoch making step was taken during the year by the inauguration on the 1st August, 1937, of a Municipal Domiciliary Midwifery Service in accordance with the requirements of the Midwives Act, 1936. This new Service comprises ten Midwives and one Superintendent Midwife. It has rendered possible a wider and broader conception of the duties of Midwives, and it is hoped a better and more efficient Domiciliary Midwifery Service. Naturally, it is in the experimental stage, but many improvements have already been rendered possible, and it is certain that ultimately this will prove a great and important advance in Public Health work.

Other advances made during the year were the opening of a new Welfare Centre at Heaton Mersey, and the introduction of arrangements for the treatment of the Pre-School Child similar to those existing for the School Child.

A great deal of propaganda work has been carried out during the year, and in connection with the National Health Campaign a Public Meeting to make better known the Health Services available in the Borough was held in the Town Hall, on the 7th December.

I wish to place on record the loyalty and invaluable assistance rendered to the Medical Officer of Health by every member of the Staff of the Department. In doing so, I would like to pay tribute to Dr. Edwin Ratner, for his loyal and unremitting services as Clinical Tuberculosis Officer over a period of seven years. He left the service of the Corporation on the 31st March, 1937, to take up an important appointment under the West Riding County Council.

Also I must express the grateful thanks of the Department to all Members of the Council, and more particularly to the Chairman, and Vice-Chairman of the Public Health and Assistance, and Housing Committees, for the ready and courteous manner in which suggestions and recommendations have invariably been received.

I have the honour to be,

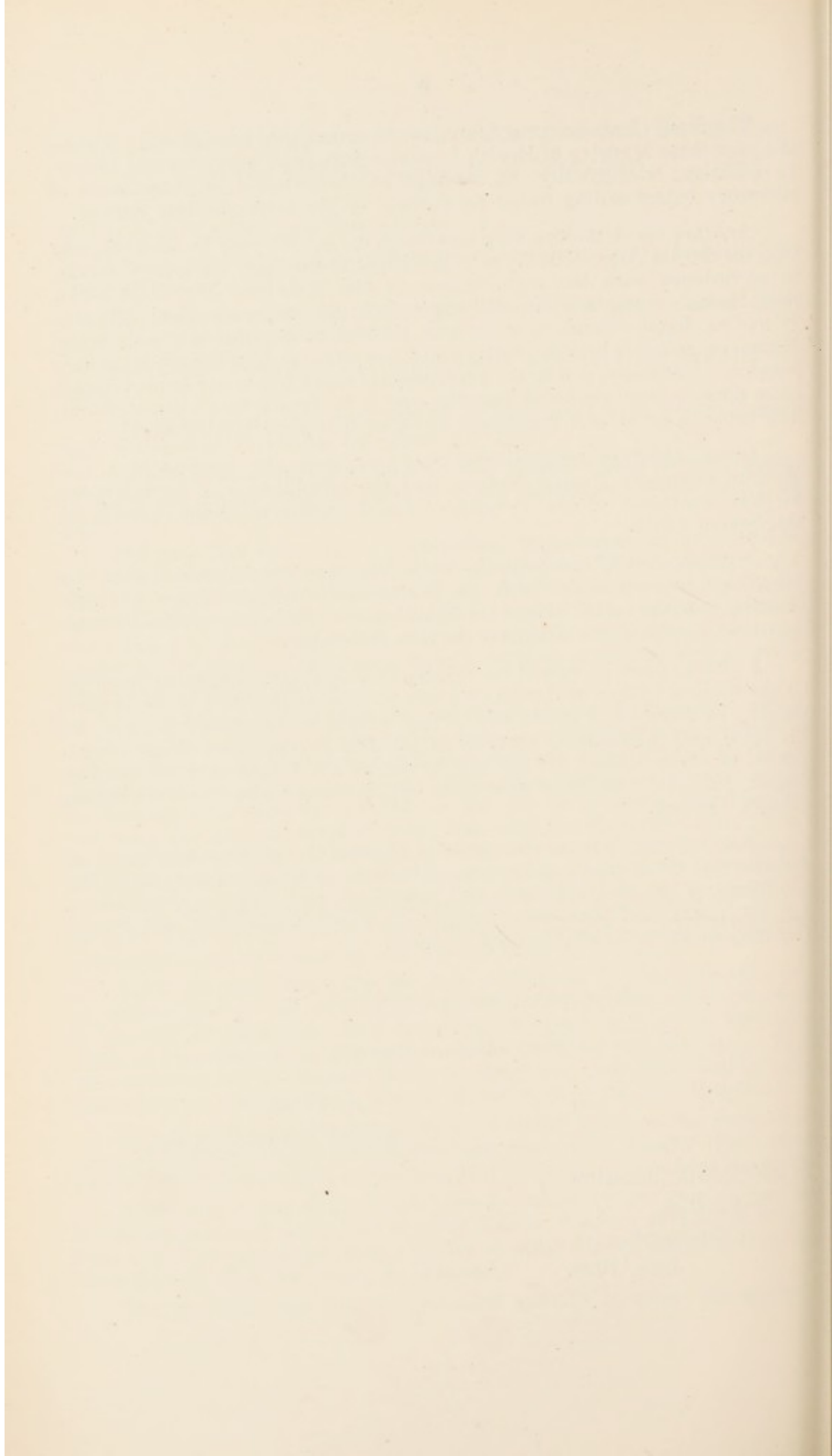
Your obedient Servant,

J. YULE,

*Medical Officer of Health.*

Public Health Department,  
Town Hall,  
Stockport,  
June, 1938.





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SECTION A.

Statistics, Natural and Social Conditions  
of the Area.

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## COUNTY BOROUGH OF STOCKPORT.

## Statistical Memorandum.

	Stockport.	England and Wales.	125 County Boroughs & Great Towns.	148 Smaller Towns.
Population (Census 1931).....	125,490	—	—	—
Estimated Population, Mid-year, 1937	133,700	—	—	—
Area in Acres.....	7,976	—	—	—
Birth Rate per 1,000.....	14.14	14.9	14.9	15.3
Do. do. average for five years, 1933-1937.....	13.31	—	—	—
Still-birth Rate per 1,000 population.	0.67	0.60	0.67	0.64
Do. do. average for five years, 1933-1937.....	0.72	—	—	—
General Death Rate per 1,000.....	13.94	12.4	12.5	11.9
Do. do. average for five years, 1933-1937.....	12.95	—	—	—
Local adjusted General Death Rate (Factor 1.05).....	14.64	—	—	—
Infantile Death Rate per 1,000 Births	56.61	58	62	55
Do. do. average for five years, 1933-1937.....	65.47	—	—	—
Death Rate from Seven Principal Zymotic Diseases.....	0.12	—	—	—
Death Rate from Phthisis (Pulmonary Consumption) per 1,000 .....	0.74	0.58	—	—
Death Rate from all other Tubercular Diseases.....	0.16	0.11	—	—

## Statistics and Social Conditions of the Area.

Area (in acres).....	7,976
Registrar-General's estimate of resident population, 1937.....	133,700
Number of inhabited houses (end of 1937) according to rate books.....	42,300
Rateable Value (April, 1937).....	£855,121
Sum represented by a penny rate.....	£3,245

Extracts from vital statistics for the year :—

	Total.	M.	F.	
Live Births : Legitimate.....	1805	969	836	} Birth Rate per 1,000 of the estimated resident population, 14.14.
Illegitimate.....	85	48	37	
Stillbirths.....	89	50	39	} Rate per 1,000 total births (live and stillbirths), 44.97
Deaths.....	1864	918	946	
				Death Rate per 1,000 of the estimated resident population, 13.94.

Deaths from diseases and accidents of pregnancy and childbirth :—

From Sepsis.....	6
„ other causes.....	11
Total.....	17

Death Rate of Infants under one year of age :—

All Infants per 1,000 live births.....	56.61
Legitimate infants per 1,000 legitimate live births.....	57.62
Illegitimate infants per 1,000 illegitimate live births.....	35.29
Deaths from Cancer (all ages) .....	233
„ Measles (all ages).....	2
„ Whooping Cough (all ages).....	Nil
„ Diarrhoea (under 2 years of age).....	8

## COMPARATIVE STATEMENT OF VITAL STATISTICS.

YEAR 1937.

	Birth Rate.	Death Rate.	Local Adjusted Death Rate.	Infantile Mortality Rate.		Death Rate from Phthisis.	Death Rate from other Tub. Diseases.	Maternal Mortality Rate (per 1000 Total Births).		
				Year 1937.	Average 5 years 1932-36			Puerp'l Sepsis.	Other Causes.	Total.
ENGLAND & WALES	14.9	12.4	..	58	61	0.58	0.11	0.94	2.17	3.11
125 GREAT TOWNS.	14.9	12.5	..	62	65	..	..	..	..	..
Birkenhead.....	16.3	13.0	14.1	77	72	0.76	0.11	0.40	0.80	1.2
Blackburn.....	11.7	15.2	15.6	69	64	0.62	0.10	..	6.34	6.34
Bolton.....	12.7	14.2	15.4	61	64.8	0.53	0.10	0.87	5.23	6.1
Burnley....	11.71	15.53	16.77	75.2	72.2	0.61	0.11	..	1.79	1.79
Bury.....	13.00	15.46	15.61	55	69	0.50	0.15	1.2	6.2	7.4
Halifax.....	12.8	14.6	14.3	63	77	0.35	0.03	..	2.39	2.39
Huddersfield.....	12.78	14.28	14.85	61	54	0.50	0.09	0.65	0.65	1.29
Manchester....	14.31	13.52	15.41	76.16	75.59	0.88	0.15	1.34	2.85	4.19
Oldham....	13.18	15.86	17.76	69	71	0.64	0.13	1.12	2.24	3.36
Preston.....	14.00	14.23	15.79	77	81	0.68	0.17	1.20	1.20	2.40
Rochdale.....	11.9	15.4	16.17	53	79	0.54	0.15	2.61	3.48	6.10
Salford.....	15.1	14.6	17.23	84	89	0.88	0.13	0.94	3.47	4.41
St. Helens.....	18.6	12.1	14.9	87.7	84.1	0.56	0.14	2.86	4.28	7.14
<b>Stockport.....</b>	<b>14.14</b>	<b>13.94</b>	<b>14.64</b>	<b>56.61</b>	<b>68.33</b>	<b>0.74</b>	<b>0.16</b>	<b>3.03</b>	<b>5.56</b>	<b>8.59</b>
Wallasey.....	13.5	13.4	13.13	58.7	52.8	0.71	0.09	1.49	1.74	3.23
Warrington.....	17.1	12.5	1.20	82	77	0.9	0.03	..	1.4	1.4
Wigan.....	16.27	14.17	17.00	90	89	0.64	0.17	..	2.95	2.95



## SECTION A.

## Statistics, Natural and Social Conditions of the Area.

**Introduction.**

The ancient Borough of Stockport is situated on the Southern border of the Lancashire industrial area, and is actually both in Lancashire and Cheshire. The County Boundary in the Borough is the Rivers Tame and Mersey, the latter being formed by the union of the Rivers Goyt and Tame just east of the town centre.

Stockport is fortunate in that within easy access is some of the most delightful country in England, with the Peak District to the South East, and the rich plain of Cheshire to the South West. The prevailing winds also come to the town without bringing with them the smoke pollution of an industrial area.

The Borough, on the other hand, is well equipped industrially as both road and rail facilities are good, and the air port of Manchester is within easy reach. There are good sites available for new works and factories, and further the rates levied (11/3 in the £), are comparatively low.

**Population.**

The population at mid-year 1937, as estimated by the Registrar-General was 133,700, an increase of 1,893 over the previous year, and an increase of 8,210 over the Census population of 1931.

**Marriages.**

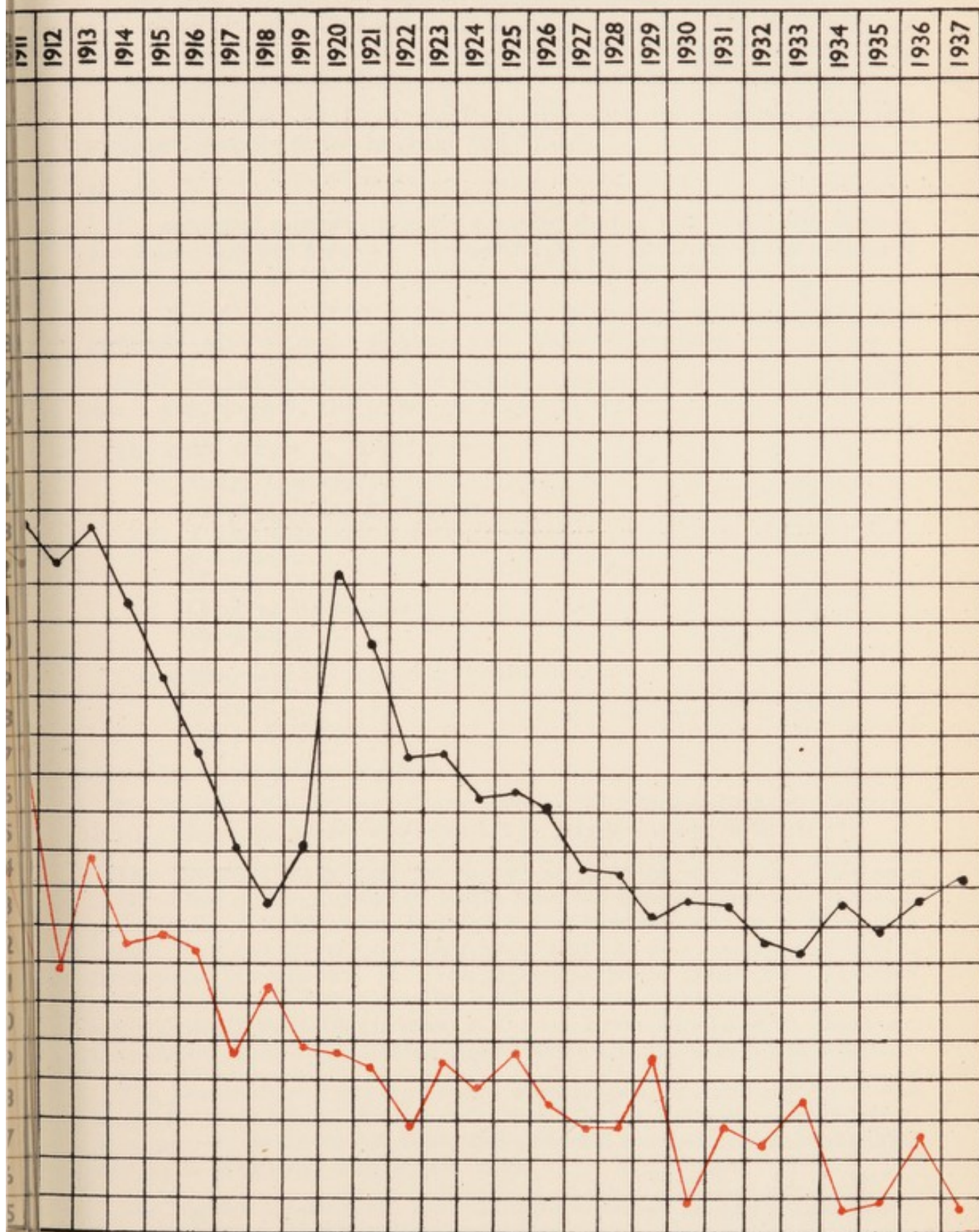
The number of marriages solemnised during the year 1937 was 1,161, or 120 less than in 1936, the marriage rate per thousand persons living, being 17.37, the figure for 1936 being 19.44.

Of the 1,161 marriages, 635 were solemnised according to the rites of the Established Church, 156 under Roman Catholic rites, 2 at the Jewish Synagogue, 215 according to the rites of other religious denominations, and 153 at the Registrar's Office.

<i>Year.</i>	<i>Number of Marriages</i>	<i>Rate per 1000 Living.</i>	<i>Rate for England and Wales.</i>
1926	936	14.9	14.3
1927	1027	16.4	15.7
1928	1087	17.0	15.3
1929	1088	17.03	15.8
1930	1091	17.07	15.8
1931	969	15.31	15.6
1932	1070	16.88	15.2
1933	1097	17.28	15.7
1934	1218	19.02	16.9
1935	1181	18.09	17.1
1936	1281	19.44	17.3
1937	1161	17.37	17.4



Chart showing the Annual Birth-rate per thousand of the population  
and the Infant Mortality Rate per cent. of Registered Births,  
for the past 27 years (1911-1937).



Birth-rate indicated by Black lines.

Infant Mortality Rate indicated by Red lines.



There is a great deal of  
work to be done in the  
state of New York.

It is a great pleasure to  
have you here.

I am very glad to  
hear of your success.

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### **Births.**

The corrected number of births registered in the Borough during 1937 was 1,890, of which 1017 were males and 873 females. The birth rate per thousand of the population was equal to 14.14, the figure for 1936 being 13.65. In 1936 there were 1,799 births—949 males, 850 females.

The Birth Rate 14.14 is slightly higher than the previous year, and compares with 14.9 for England and Wales.

### **Deaths.**

The corrected number of deaths recorded during 1937 was 1,864, namely 918 males, and 946 females. The death rate per thousand of the estimated population was 13.94, as compared with 13.16 in 1936.

The Death Rate 13.94 is higher than in the two previous years, and compares with 12.4 for England and Wales as a whole.

More detailed information and certain comparative rates of other similar towns are shown in the tables on pages 13, 18-22.

The chief causes of Death were :—

Heart Disease.....	548
Cancer, Malignant Disease.....	233
Tuberculosis (all forms).....	121
Pneumonia.....	88
Kidney Disease.....	60
Cerebral Haemorrhage.....	58
Bronchitis.....	59

There were also the following deaths from :—

Suicide.....	14
Other Violence.....	70

### *Mortality in Different Wards.*

The highest Ward Death Rate occurred in Portwood Ward, namely, 19.01, whilst the lowest was recorded in Edgeley Ward, with 10.11.

The Zymotic Death Rate for the whole Borough was 0.12. This rate is calculated on the number of deaths from the following diseases :—Small-pox, Measles, Scarlet Fever, Diphtheria and Membranous Croup, Whooping Cough, Typhoid Fever, and Diarrhoea, and the total number of deaths from these diseases was 16. The highest Zymotic Death Rate occurred in Lancashire Hill Ward, namely, 0.32 per 1,000 of the population; there were no deaths from these diseases in Vernon, Hempshaw Lane, St. Thomas's, Cale Green, Hollywood, Heaton Norris North and Reddish North Wards.

The Death Rate from Pulmonary Tuberculosis, or consumption of the lungs, for the whole of the Borough, was 0.74 per 1,000 of the population, as compared with 0.62 for 1936, and the total number of deaths recorded was 99 as compared with 82 for 1936.

The highest Death Rate from Phthisis occurred in Old Road Ward, namely, 1.76 per 1,000 of the population.



*Infant Mortality.*

The Infant Mortality Rate for 1937 was 56.61. This is calculated on the number of infants dying before reaching the age of one year, per 1,000 infants born. This is the lowest rate recorded for the Borough with the exception of 1934—54.63.

The Infant Death Rate of 56.61 compares with 58 for England and Wales, and 62 for the County Boroughs and Great Towns.

The table inserted last year to show the astonishing progress made during the last twenty odd years in the diminution of the infant death rate is again included with the addition of the figures for 1937.

This table indicates that had the rate of infantile mortality observed from 1904/13 prevailed until 1937, the expected number of deaths would have been enormously increased, and in fact it can be said that 3,283 lives have been saved.

## DEATHS OF INFANTS UNDER 1 YEAR.

<i>Year.</i>	<i>Actually recorded deaths.</i>	<i>No. which would have been recorded had the rate of mortality observed over 1904-1913 still prevailed.</i>		<i>Difference.</i>	
1904-1913 (Average)	421	..	421	..	0
1914.....	339	.	428	..	— 89
1915.....	309	..	382	..	— 73
1916.....	269	..	349	..	— 80
1917.....	181	..	297	..	—116
1918.....	201	..	281	..	— 80
1919.....	194	..	309	..	—115
1920.....	282	..	455	..	—173
1921.....	233	..	402	..	—169
1922.....	168	..	344	..	—176
1923.....	203	..	348	..	—145
1924.....	180	..	324	..	—144
1925.....	202	..	326	..	—124
1926.....	165	..	316	..	—151
1927.....	142	..	288	..	—146
1928.....	141	..	286	..	—145
1929.....	155	..	267	..	—112
1930.....	100	..	277	..	—177
1931.....	136	..	270	..	—134
1932.....	114	..	252	..	—138
1933.....	129	..	244	..	—115
1934.....	95	..	273	..	—178
1935.....	97	..	265	..	—168
1936.....	136	..	282	..	—146
1937.....	107	..	295	..	—189
Total 1914/1937.....	4278	..	7561	..	—3283

NOTE—The infant mortality rate for the years 1904/1913 averaged 157 per 1,000—for the year 1937, as stated, it was 57.

The actual number of children dying under one year of age in 1937 was 107, or 29 less than in 1936.

Once again it is necessary to note that of 107 deaths occurring in children up to one year of age, no less than 66 occurred during the first four weeks of life. These "neonatal" deaths constituted 62 per cent. of the total infant deaths, the chief causes being Premature Birth 43, Congenital Malformations 2, Congenital Debility 3, Other Diseases peculiar to early infancy etc. 8. These deaths are among the most difficult to prevent—they are, of course, not touched by the infant welfare service, but are a legacy of faults in pregnancy or child-birth—considerable attention has been focussed on this aspect of this problem, and an increase in the ante-natal service has been accomplished in 1937, which should do something to lower this great toll on infant life as well as assuring a safer confinement to the mothers.

Other important causes of infant deaths were :—7 from Diarrhoea (10 in 1936), 14 from pneumonia (22 in 1936), and 3 from Bronchitis (10 in 1936).

### Illegitimacy.

During the year there were 85 illegitimate births recorded by the Registrar-General as belonging to the Borough, as compared with 81 in 1936. This gives an illegitimate birth rate of 44.97 per thousand total live births, as compared with 45.03 in 1936.

The infant mortality rate amongst illegitimate children is 35.29 per thousand illegitimate births.

The following table shows the comparison between the death rates of illegitimate children and others registered in the Borough during the past ten years :—

Year	Esti- mated popula- tion.	Births.		Illegitimate Births.		Total deaths under 1 year of age	Infant mor- tality per 1000 births.	Deaths of illegiti- mates under 1 year of age.	Illegiti- mate infant mortality per 1000 illegiti- mate births.
		Legit- imate	Illegit- imate	to 1000 living	to 1000 births				
1928	127600	1756	71	0.56	38.86	141	77.2	6	84.5
1929	127800	1622	78	0.61	45.88	155	91.2	13	166.6
1930	127800	1682	81	0.63	45.94	100	56.7	8	98.8
1931	126600	1660	62	0.49	36.00	136	79.0	7	112.9
1932	126800	1534	71	0.56	44.24	114	71.0	9	126.8
1933	127000	1494	59	0.46	37.99	129	83.0	8	135.6
1934	128050	1666	73	0.57	41.98	95	54.63	6	82.2
1935	130600	1609	80	0.61	47.37	97	57.43	3	37.5
1936	131807	1718	81	0.61	45.03	136	75.60	9	111.1
1937	133700	1805	85	0.64	44.97	107	56.61	3	35.29



# VITAL STATISTICS OF WHOLE BOROUGH DURING 1937, AND PREVIOUS YEARS.

YEAR.	Total Population estimated to Middle of each Year.	BIRTHS.			TOTAL DEATHS REGISTERED IN THE DISTRICT.			TRANSFERABLE DEATHS.			NETT DEATHS BELONGING TO THE DISTRICT.				
		Un- corrected Number.	Nett.		Number.	Rate.	6	7	8	9	Under 1 Year of Age.			At all Ages.	
			Number.	Rate.							Number.	Rate per 1000 Nett Births.	Number.		Rate.
1	2	3	4	5							10	11	12	13	
1927	125,200	1863	1835	14.66	1650	13.18	175	95	142	77	1570		12.54		
1928	127,600	1854	1827	14.32	1733	13.58	199	98	141	77	1632		12.79		
1929	127,800	1758	1700	13.30	1889	14.78	226	109	155	91	1772		13.87		
1930	127,800	1817	1763	13.79	1624	12.71	191	103	100	57	1536		12.02		
1931	126,600	1755	1722	13.60	1870	14.77	234	117	136	79	1753		13.85		
1932	126,800	1636	1605	12.66	1701	13.41	192	104	114	71	1613		12.72		
1933	127,000	1595	1553	12.23	1936	15.24	276	97	129	83	1757		13.83		
1934	128,050	1848	1739	13.58	1692	13.21	262	88	95	55	1518		11.85		
1935	130,600	1830	1689	12.93	1718	13.15	265	110	97	57	1563		11.97		
1936	131,807	1940	1799	13.65	1907	14.46	294	121	136	76	1734		13.16		
1937	133,700	2124	1890	14.14	2084	15.59	332	112	107	57	1864		13.94		

Census of 1931 { Total population at all ages, 125,490.  
 Area of District in acres (land and water) : 7059  
 Private families or separate occupiers : 33,760.

BIRTH RATE, DEATH RATE, INFANT MORTALITY RATE, AND  
ZYMOTIC DEATH RATE (1915-1937).

<i>Year.</i>	<i>Birth-rate</i>	<i>Death-rate.</i>	<i>Infant Mortality.</i>	<i>Zymotic Death-rate.</i>
1915	19.32	16.69	127	1.59
1916	17.66	15.42	121	1.49
1917	15.17	13.18	96	0.54
1918	13.84	18.29	112	0.69
1919	15.05	13.33	98	0.32
1920	22.20	12.87	97	0.88
1921	20.43	12.16	91	0.53
1922	17.42	13.37	77	0.53
1923	17.63	12.66	92	0.35
1924	16.37	13.86	87	0.51
1925	16.51	13.94	97	0.49
1926	16.06	12.78	82	0.40
1927	14.66	12.54	77	0.26
1928	14.32	12.79	77	0.31
1929	13.30	13.87	92	0.23
1930	13.79	12.02	57	0.39
1931	13.60	13.85	79	0.27
1932	12.66	12.72	71	0.45
1933	12.23	13.83	83	0.31
1934	13.58	11.85	55	0.23
1935	12.93	11.97	57	0.24
1936	13.65	13.16	76	0.35
1937	14.14	13.94	57	0.12



## Registrar General's Return of Causes of Death at Different Periods of Life in the County Borough of Stockport.

CAUSES OF DEATH.	Sex.	All Ages.	All Ages.										
			0—	1—	2—	5—	15—	25—	35—	45—	55—	65—	75—
ALL CAUSES.....	M. F.	918 946	71 36 *	15 2	14 7	16 13	29 27	37 45	55 63	107 80	164 152	237 262	173 259
1. Typhoid and Paratyphoid Fevers...	M. F.	..	..	..	..	..	..	..	..	..	..	..	..
2. Measles.....	M. F.	1 1	..	1	..	..	..	..	..	..	..	..	..
3. Scarlet Fever.....	M. F.	..	..	..	..	..	..	..	..	..	..	..	..
4. Whooping Cough.....	M. F.	..	..	..	..	..	..	..	..	..	..	..	..
5. Diphtheria.....	M. F.	1 3	..	1	..	..	..	..	..	..	..	..	..
6. Influenza.....	M. F.	19 28	1 1	1	..	..	..	3 4	5 3	2 3	4 1	1 7	3 7
7. Encephalitis Lethargica.....	M. F.	..	..	..	..	..	..	..	..	..	..	..	..
8. Cerebro-spinal Fever.....	M. F.	6 2	1	..	..	..	..	..	..	..	..	..	..
9. Tuberculosis of Respiratory System	M. F.	54 45	..	..	..	..	8 12	6 15	8 7	21 5	10 2	1 4	..
10. Other Tuberculous Diseases.....	M. F.	14 8	1 1	2 1	3 2	3 2	1 2	3 2	1 ..	..	..	..	..
11. Syphilis.....	M. F.	2 3	2	..	..	..	..	..	1 ..	..	..	..	..
12. General paralysis of the insane, tabes dorsalis.....	M. F.	2 2	..	..	..	..	..	..	..	..	..	..	..
13. Cancer, Malignant Disease.....	M. F.	103 137	..	1	..	..	2	2	5 6	11 22	28 40	39 48	15 21
14. Diabetes.....	M. F.	12 21	..	..	..	..	..	..	1 ..	..	..	..	..
15. Cerebral Haemorrhage, &c.....	M. F.	28 30	..	..	..	..	1	..	..	3 3	4 9	8 9	5 7
16. Heart Disease.....	M. F.	272 276	..	..	..	1	3	2 4	1 8	1 27	10 46	6 101	10 82
			..	..	..	..	..	6	9	17	36	87	120

\* Under 1 year { Legit. Illegit.  
M... 69 .. 2  
F... 35 .. 1





## Inquests and Uncertified Deaths.

## 1.—NATURAL CAUSES.

			<i>Total.</i>
Heart Disease.....	22	Erysipelas & Septicæmia	3
Nephritis.....	7	Nervous System.....	3
Digestive System.....	6	Tuberculosis.....	3
Arterio Sclerosis.....	5	Respiratory System...	2
Cancer.....	3	Other Natural Causes..	3
		—	57

## 2.—BY ACCIDENT OR NEGLIGENCE.

In Vehicular Traffic.....	26	Drowning.....	2
Falls.....	13	Accidental Mechanical	
Burns and Scalds.....	11	Suffocation.....	1
Accidental Poisoning.....	3	Other Injuries.....	3
		—	59

## 3.—SUICIDE.

By Gas Poisoning.....	6	By Drowning.....	2
„ Hanging.....	5	„ Cut or Stab.....	1
		—	14

## 4.—CERTIFIED BY CORONER (No Inquest held).

Heart Disease.....	22	Nervous System.....	2
Kidney Disease.....	7	Digestive System.....	1
Pneumonia .....	4	Tuberculosis.....	1
Arterio Sclerosis.....	2	Other Causes..	4
		—	43

## 5.—UNCERTIFIED DEATHS.

Heart Disease.....	2	Tuberculosis..	1
		—	3

## 6.—HOMICIDE.

Blows on Head.....	1		
	—		1
			—
			177
			—

# SUMMARY OF THE VITAL STATISTICS OF THE BOROUGH AND EACH OF ITS WARDS FOR THE YEAR 1937.

WARD	Acreage.	Estimate- d Popula- tion.	Persons per acre.	No. of Births registered.	Birth rate.	Nett deaths *	Nett Death rate.	No. of de'ths under 1 year of age *	Infant mor- tality rate per 1000 births.	No. of de'ths from 7 prin- cipal Zy- motic dis- eases† *	Zymotic Death rate per 1000.	Zymotic death rate per 1000 (exclud- ing Diar- rhoea).	No. of de'ths from Diar- rhoea. *	Death rate from Diar- rhoea per 1000.	No. of de'ths from Phthi- sis. *	Death rate from Phthi- sis per 1000.	No. of de'ths from other Tubercu- lar dis- eases *	Death rate from other Tubercu- lar dis- eases per 1000.	No. of de'ths from Other Lung Dis- eases. *	Death rate from Other Lung Dis- eases per 1000.		
PORTWOOD . . . . .	835	6,840	20.42	M. 71 F. 57 128	18.71	130	19.01	12	93.75	2	0.29	...	2	0.29	4	0.58	2	0.29	20	2.92		
ST. MARY'S . . . . .	196	6,745	34.41	68 52 120	17.79	112	16.60	6	50.00	1	0.15	0.15	...	...	5	0.74	...	...	14	2.08		
VERNON . . . . .	712	7,317	10.28	84 62 146	19.95	96	13.12	8	54.79	...	...	...	...	...	9	1.23	1	0.14	8	1.09		
HEMPSHAW LANE . .	225	5,790	25.73	50 39 89	15.37	90	15.54	7	78.65	...	...	...	...	...	1	0.17	...	...	6	1.04		
ST. THOMAS'S . . . . .	145	6,680	46.07	56 57 113	16.92	118	17.66	7	61.94	...	...	...	...	...	11	1.64	1	0.15	8	1.20		
CALE GREEN . . . . .	177	7,750	43.79	49 33 82	10.58	130	16.77	7	85.37	...	...	...	...	...	4	0.52	1	0.13	10	1.29		
HEAVILEY . . . . .	1055	8,907	8.44	48 50 98	11.00	115	12.91	4	40.82	1	0.11	...	1	0.11	3	0.34	...	...	7	0.79		
DAVENPORT . . . . .	619	8,270	13.36	75 45 120	14.51	101	12.21	5	41.67	1	0.12	...	1	0.12	7	0.85	1	0.12	7	0.85		
SHAW HEATH . . . . .	356	7,712	21.66	46 46 92	11.93	112	14.52	1	10.87	2	0.26	0.13	1	0.13	5	0.65	2	0.26	9	1.17		
EDGELEY . . . . .	243	7,317	30.11	44 39 83	11.34	74	10.11	3	36.14	1	0.14	0.14	...	...	...	...	...	...	6	0.82		
HOLLYWOOD... . . . .	348	8,430	24.22	71 51 122	14.47	136	16.13	8	65.57	...	...	...	...	...	6	0.71	4	0.47	14	1.66		
HEATON LANE . . . . .	421	6,110	14.51	44 48 92	15.06	64	10.47	3	32.61	1	0.16	0.16	...	...	2	0.33	...	...	8	1.81		
HEATON NORRIS S.	668	7,476	11.19	34 32 66	8.83	94	12.57	4	60.61	2	0.27	...	2	0.27	3	0.40	...	...	11	1.47		
HEATON NORRIS N.	704	6,863	9.04	30 21 51	8.02	80	12.57	2	59.22	...	...	...	...	...	3	0.47	1	0.16	6	0.94		
OLD ROAD . . . . .	247	6,830	27.65	45 56 101	14.79	110	16.11	8	79.21	2	0.29	...	2	0.29	12	1.76	1	0.15	7	1.02		
LANCASHIRE HILL . .	109	6,236	57.21	56 42 98	15.72	95	15.28	7	71.43	2	0.32	0.32	...	...	3	0.48	3	0.48	6	0.96		
REDDISH SOUTH... . .	831	10,338	12.44	82 84 166	16.06	106	10.25	8	48.19	1	0.10	...	1	0.10	11	1.06	3	0.29	10	0.97		
REDDISH NORTH... . .	585	8,589	14.68	64 59 123	14.32	101	11.76	7	56.91	...	...	...	...	...	10	1.16	2	0.23	13	1.51		
STOCKPORT BOROUGH	7976	183700	16.76	1017 873 1890	14.14	M 918 F 946	13.94	M 71 F 36	56.61	M 8 F 8	0.12	0.04	M 6 F 4	10	0.08	M 54 F 45	0.74	M 14 F 8	22	0.16	M 100 F 70	1.27

\* Deaths of Stockport residents in the Stockport Infirmary, Stepping Hill Hospital, Shaw Heath Institution, and Isolation Hospital are here referred to the Wards in which they lived. Deaths within the Borough of persons ordinarily resident outside the Borough are excluded.  
† The "Seven Principal Zymotic Diseases" are Smallpox, Measles, Scarlet Fever, Diphtheria and Membranous Croup, Whooping Cough, Fever (typhus, typhoid and continued), and Diarrhoea. † Registrar General's estimate for 1937.  
(I am indebted to Mr. W. Owen, Chief Rating and Valuation Officer, for the Ward Populations of the Borough, as estimated for mid-year, 1937.)





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SECTION B.

General Provision of Health Services  
for the Area.

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## SECTION B.

## General Provision of Health Services for the Area.

1. (i) Full particulars of the Public Health Officers of the Authority are incorporated at the beginning of this Report.
- (ii) (a) Laboratory facilities. No change.
- (b) Ambulance facilities. No change from 1936 Report.
- (c) Nursing in the Home. No change.
- (d) Clinics and Treatment Centres. In April an additional Infant Welfare Centre was established for the Heaton Mersey District. This Centre is held at the Heaton Mersey Methodist School, on Monday afternoons.
- (e) Hospitals—Public and Voluntary. Under Section 163 of the Local Government Act, 1933, Stepping Hill Hospital was appropriated as a Hospital under the Public Health Acts, as from the 1st day of April, 1938. See 1930 Report, pages 28 and 29.
- (f) National Health Insurance.

## INSURED POPULATION.

On January 1, 1937, 61,690 insured persons were resident in the Committee's area (at October 1, 1937, it was 63,297), 61,027 being members of Approved Societies, Navy, Army and Air Force Insurance Fund, and exempt persons, and 663 being deposit contributors.

The following changes occurred during the year :—New entrants, 3,118; reinstatements and re-entries, 1,120; discharges from Army, 50; society transfers, 225; transfers from Deposit Contributors' Fund, 180; cessations of title to medical benefit, 3,415; removals into area, 2,334; removals out of area, 1,744; temporary residents, 124; change of name on marriage, 918.

Insured persons accepted by doctors for treatment were 7,228, and of this number 3,934 were first time selections, reinstatements, or through practitioners retiring from medical list; 960 transfers from one doctor to another, and 2,334 were removals from other districts. 5,854 insured persons were removed from doctors' lists as follows :—Cessations, and through retirement or death of practitioner, 3,150; transfers of doctors, 960; removals out of area, 1,744.

8,077 medical cards were issued to insured persons during the year.

## STOCKPORT INFIRMARY.

I am indebted to Mr. Price (Secretary-Superintendent of the Stockport Infirmary) for the following particulars of the work carried out at that Hospital during the year 1937 :—

## STOCKPORT INFIRMARY, YEAR 1937.

## STATISTICS FOR THE YEAR.

## In-Patients.

## A.—NUMBER OF BEDS AND IN-PATIENTS.

1. Number of available Beds.....	139
2. Average number of Patients resident daily throughout the year	126.2
3. Number of In-Patients in the Hospital at beginning of year.	126
4. Number of In-Patients admitted during the year.....	3417
5. Number of In-Patients in the Hospital at the end of the year.	125
6. Average number of days each Patient was resident.....	13.5

## Out-Patients.

1. Total number of new Out-Patients.....	23098
2. Total Number of Out-Patient attendances.....	114281
3. Number of Casualty Patients included in No. 1 above.....	7515
4. Number of Casualty attendances included in No. 2 above..	25252

	<i>New Patients.</i>	<i>Attend- ances.</i>
Medical Out-Patients.....	847	3109
Surgical Out-Patients.....	1529	4381
Aural Out-Patients.....	1381	5358
Ophthalmic Out-Patients.....	807	3526
Orthopaedic Massage and Electrical Department Out-Patients.....	3650	60672
Gynaecological Out-Patients.....	406	806
Dental Out-Patients.....	550	710
X-Ray Department Out-Patients.....	6325	6583
Ultra Violet Light Department Out-Patients....	88	3884
Casualty Department Out-Patients.....	7515	25252
	<hr/> 23098	<hr/> 114281

## Operations Performed.

## IN AND OUT PATIENT DEPARTMENTS.

General Surgical.....	999
Aural.....	243
Tonsil and Adenoids.....	707
	<hr/> 950
Ophthalmic.....	49
Orthopaedic.....	126
Gynaecological.....	153
	<hr/>
Total Operations performed in Major Theatres.....	2277
Minor Operations performed in Casualty Theatre.....	1747
	<hr/> 4024



**Casualty Department.**

Number of Casualties treated.....	7515
Number of Attendances made.....	25252
Motor Accident Cases treated.....	340
"    "    admitted.....	132
Casualty Department Operations.....	1747

**Orthopaedic, Massage and Electrical Department.**

Massage and Electrical Treatments.....	48974
In-Patient Treatments.....	1219
Private Patient Treatments (Out-Patients).....	1732
Orthopaedic Clinic Attendances.....	4724
Fracture Clinic Attendances.....	5242
	<hr/>
	61891

### NEW PATIENTS.

Orthopaedic Out-Patients.....	844
Fracture Clinic Out-Patients.....	956
Massage Department Out-Patients.....	1798
Private Patients.....	52
In-Patients.....	69

### ULTRA VIOLET RAY TREATMENTS.

Attendances.....	3884
New Patients.....	88

### X-Ray Department.

Number of Individual Patients dealt with—	Out-Patients.....	6325
	In-Patients.....	1226
		7551

Number of Attendances of these Patients—Out-patients.....	6583
In-patients.....	1285
	<hr/>
	7868

	<i>Out-</i>		<i>In-</i>		<i>Total.</i>
	<i>Patients.</i>		<i>Patients.</i>		
Number of Radiographs taken.....	11855	..	2062	..	13917
„ Screen Examinations.....	539	..	211	..	750
„ Treatments applied.....	755	..	4	..	759
	<hr/>		<hr/>		<hr/>
	12149	..	2277	..	15426

**Dental Department.**

Number of Patients treated.....	550
Number of Attendances of these Patients.....	710
Anaesthetics given.....	19
Teeth extracted.....	1521
In-Patients treated.....	39

**Pathological Department.**

## SPECIMENS EXAMINED.

Hospital Medical Cases.....	5157
Hospital Surgical Cases.....	1992
Public Health Cases.....	3997
Private Cases.....	1722
	<hr/>
	12868
	<hr/>

**STEPPING HILL HOSPITAL.**

This Hospital was appropriated for Public Health purposes on the 1st April, 1938, as part of the General Scheme of Co-ordination of the Public Health Services of the Borough.

After prolonged negotiations and discussions a Tender has now been accepted for the building of the new Maternity Unit of approximately 50 beds with an Ante-natal Clinic attached. It is hoped that building will begin at an early date.

Moreover, plans have been prepared for an extension to the Nurses' Home, which has been rendered necessary by the ever increasing demand made on the Hospital accommodation, which has necessitated a corresponding increase in the Nursing Staff.

Detailed consideration has also been given to the provision of an up-to-date Mortuary and Post-mortem Block. It is hoped to include in this new Block provision for a Coroner's Court and probably Laboratory accommodation.

During the year, owing to the increased demand for Maternity beds, a rearrangement of the Wards was carried out, and three Wards of 17 beds are now devoted to Maternity work. Attached to these are five Labour Rooms, and two side rooms for semi-isolation. In addition, half of the Block which was formerly used for Maternity purposes has been converted into a Maternity Isolation Unit of four beds, with a treatment room attached.



Another important step taken during the year was the appointment of Dr. W. J. S. Reid as Visiting Physician. Arrangements have been made for him to attend on two regular sessions per week, and at other times as required. Moreover, Dr. K. V. Bailey now devotes two sessions per week to work at the Hospital, one primarily in connection with Gynaecology and the other to Obstetrical work. During the Obstetrical Session he takes an Ante-natal and Post-natal Clinic, at which he sees cases of special difficulty referred to him from other Clinics or from Practitioners of the town.

### INSTITUTIONAL TREATMENT OF THE SICK.

#### STEPPING HILL HOSPITAL.

#### SHAW HEATH INSTITUTION.

The area and the population served by the Institutions :—

The County Borough of Stockport.—Population (1936).....	131,807
Hyde and Cheadle Guardians Area of the Cheshire County Council— Population (Census, 1931).....	86,003
Both maintained under the Poor Law Act.	

STAFFING :—

Medical Superintendent or Medical Officer (Name and qualifications and whether resident) :—E. C. Dutton, F.R.C.S. (Ed.), M.B., Ch.B.(Vict.). Resides at Stepping Hill Hospital. Whole-time officer.

	<i>Stepping Hill Hospital.</i>	<i>Shaw Heath Institution.</i>
Number of other Resident Medical Staff.....	3	Nil.
Number of Visiting Staff.....	6	Nil.
Specialised services supplied.....	(a) Surgeon. (b) Obstetrician & Gynaecologist. (c) Radiologist. (d) Anaesthetist. (e) Visiting Physician (f) Tuberculosis Officer.	Nil.
Number of (a) Trained Nurses.....	39	4
(b) Probationer Nurses.....	52	Nil.
(c) Assistant Nurses.....	5	19
(d) Male Attendants.....	1	15

Total number of beds provided in the Institutions for Sick and Maternity Cases at 31st December, 1937 :—

	<i>Stepping Hill Hospital.</i>		<i>Shaw Heath Institution.</i>		<i>Isolation.</i>
	<i>Sick.</i>	<i>Maternity.</i>	<i>Mental.</i>	<i>Chronic Sick.</i>	
(a) For Men.....	194	—	80	112	4
(b) For Women.....	174	51	77	82	..
(c) For Children (under 16 years of age).....	31†	—	—	6	..
Total.....	450		..	361	

† Excluding cots in Maternity Wards.

I.—Table showing the classification of the accommodation for Sick, Maternity and Mental Cases and the number of beds occupied on the 31st December, 1937.

## STEPPING HILL HOSPITAL.

Classification of Wards.	No. of Wards	BEDS.							
		MEN.		WOMEN.		CHILDREN. (under 16 yrs. of age.)		Total.	
		Pro- vided (3)	Occu- pied (4)	Pro- vided (5)	Occu- pied (6)	Pro- vided (7)	Occu- pied (8)	Pro- vided (9)	Occu- pied (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Medical .....	10 }	108	68	92	92	..	..	200	160
Surgical.....		54	28	50	42	..	..	104	70
Chronic Sick.....	..	..	(Included in 1 and 2 above)					..	..
Children.....	1	..	..	..	..	28	28	28	28
Tuberculosis .....	3	32	22	27	14	3	1	62	37
Isolation.....	1	..	..	5	..	..	..	5	..
Maternity. ....	3	..	..	51	45	..	..	51	45
Other.....	..	..	..	..	..	..	27*	..	27
Total.....	18	194	118	225	193	31	56	450	367

\*Children in Adult Wards.

## SHAW HEATH INSTITUTION.

Classification of Wards.	No. of Wards	BEDS.							
		MEN.		WOMEN.		CHILDREN. (under 16 yrs. of age.)		Total.	
		Pro- vided (3)	Occu- pied (4)	Pro- vided (5)	Occu- pied (6)	Pro- vided (7)	Occu- pied (8)	Pro- vided (9)	Occu- pied (10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Chronic Infirm.....	2	112	98	82	90*	6	..	200	188
Isolation.....	1	4	..	..	..	..	..	4	..
Mental Lunacy Act, 1890.....	2	80	67	77	75	..	..	157	142
Total.....	5	196	165	159	165	6	..	361	330

\*8 Sleeping in House Wards.



## II.—Statistics relating to the year ended 31st December, 1937.

### (A) IN-PATIENTS (Stepping Hill Hospital.)

INMATES (Shaw Heath Institution—for whole Institution).

	<i>Stepping Hill Hospital.</i>	<i>Shaw Heath Institution.</i>
1. Total number of admissions (including infants born in hospital).....	4931	766
2. Number of women confined in hospital.....	903	Nil.
3. Number of live births.....	846	Nil.
4. Number of still births.....	71	Nil.
5. Number of deaths among the newly-born (i.e., under four weeks of age).....	37	Nil.
6. Total number of deaths among children under one year (including those given under five).....	60	Nil.
7. Number of maternal deaths among women admitted to hospital for confinement.....	14	Nil.
8. Total number of deaths.....	686	52
9. Total number of discharges (including infants born in hospital).....	4254	704
10. Duration of stay of patients included in 8 and 9 above. Number of cases whose total stay was for the following periods :—		
(a) under four weeks.....	3912	470
(b) four weeks and under thirteen weeks....	798	128
(c) thirteen weeks or more.....	230	158
11. Number of beds occupied :—		
(a) average during the year.....	344	419
(b) highest (on date).....	392 (19/11/37)	438 (29/12/37)
(c) lowest (on date).....	307 (3/4/37)	392 (1/4/37)
12. Number of surgical operations under general anaesthetic (excluding dental operations).....	Major 622 Minor 300	Nil.
13. Number of abdominal sections.....	225	Nil.

### (B) OUT-PATIENTS.

	<i>Stepping Hill Hospital.</i>	<i>Shaw Heath Institution.</i>
1. Out-patient provision (if any) for continuation of treatment, emergency treatment, consultations or otherwise.....	Nil.	Nil.
2. Total number of persons seen in the out-patient department.....	Nil.	Nil.
3. Number of these persons who were subsequently admitted for in-patient treatment in the Institution.....	Nil.	Nil.
4. Number of these persons who had received in-patient treatment in the Institutions.....	Nil.	Nil.
5. Total number of attendances in the out-patient department.....	Nil.	Nil.
6. Ante-natal clinic, total number of expectant mothers seen and the total number of attendances.....	852 (women seen) 4573	Nil.
7. Venereal Clinic.....	Nil.	Nil.

(C) CLASSIFICATION OF IN-PATIENTS WHO WERE DISCHARGED FROM OR WHO DIED IN THE INSTITUTION DURING THE YEAR ENDED 31ST DECEMBER, 1937.

DISEASE GROUPS.	Stepping Hill Hospital.				Shaw Heath Institution.			
	Children (under 16 years of age).		Men and Women.		Children (under 16 years of age).		Men and Women.	
	Dis- charged	Died	Dis- charged	Died	Dis- charged	Died	Dis- charged	Died
A. Acute infectious disease	52	3	10	..	..	..	4	..
B. Influenza.....	12	..	80	10	..	..	..	..
C. Tuberculosis—								
Pulmonary.....	5	..	74	31	..	..	3	..
Non-pulmonary.....	4	4	6	..	..	..	..	..
D. Malignant disease.....	..	..	4	84	..	..	6	2
E. Rheumatism—								
(1) Acute rheumatism (rheumatic fever) together with Sub- acute rheumatism and chorea.....	12	3	52	2	..	..	1	..
(2) Non-articular manifestations of so-called "rheu- matism" (muscular rheumatism, fibro- sitis, lumbago and sciatica).....	..	..	23	..	..	..	..	..
(3) Chronic arthritis..	..	..	83	..	..	..	..	..
F. Venereal disease.....	..	..	12	..	..	..	..	..
G. Puerperal pyrexia.....	..	..	25	..	..	..	..	..
H. Puerperal fever—								
(a) Women confined in the hospital....	..	..	6	5	..	..	..	..
(b) Other cases.....	..	..	..	1	..	..	..	..
I. Other diseases and accidents connected with pregnancy and childbirth.....	..	..	160	8	..	..	..	..
J. Mental diseases—								
(a) Senile Dementia...	..	..	22	..	..	..	} 119	..
(b) Other.....	..	..	10	..	..	..		..
K. Senile decay.....	..	..	..	..	..	..	5	..
L. Accidental injury and Violence.....	..	..	53	12	..	..	..	..
<i>In respect of cases not included above :</i>								
M. Disease of the Nervous System and Sense Organs.....	12	..	83	22	..	..	5	..
N. Disease of the Respira- tory System.....	302	65	180	110	..	..	20	6
O. Disease of the Circula- tory System.....	35	3	965	273	..	..	25	44
P. Disease of the Digestive System.....	100	12	110	22	..	..	3	..
Q. Disease of the Genito- urinary System.....	12	..	48	12	..	..	6	..



(C) CLASSIFICATION OF IN-PATIENTS WHO WERE DISCHARGED FROM OR WHO DIED IN THE INSTITUTION DURING THE YEAR ENDED 31ST DECEMBER, 1937—*continued*

DISEASE GROUPS.	Stepping Hill Hospital.				Shaw Heath Institution.			
	Children (under 16 years of age).		Men and Women.		Children (under 16 years of age).		Men and Women.	
	<i>Dis- charged</i>	<i>Died</i>	<i>Dis- charged</i>	<i>Died</i>	<i>Dis- charged</i>	<i>Died</i>	<i>Dis- charged</i>	<i>Died</i>
R. Disease of the Skin.....	52	2	40	2	..	..	..	..
S. Other diseases.....	..	..	..	..	37	..	470	..
T. Mothers and infants discharged from Maternity Wards and not included in above figures—Mothers....	..	..	872	..	..	..	..	..
Infants.....	738	..	..	..	..	..	..	..
U. Any persons not falling under any of the above headings.....	..	..	..	..	..	..	..	..
Totals.....	1336	92	2918	594	37	..	667	52

2. (i) **Medical Services transferred under the Local Government Act, 1929.** Under Section 163 of the Local Government Act, 1933, Stepping Hill Hospital was appropriated as a Hospital under the Public Health Acts as from the 1st day of April, 1938.
- (ii) **Poor Law Medical Out-relief.** No change.
- (iii) **Institutional Provision for the care of Mental Defectives.** No change.
3. (i) **Midwifery and Maternity Services.** See special Section, pages 100–112.
- (ii) **Institutional Provision for Mothers or Children.** See special Section, pages 28–32.
- (iii) **Health Visitors.** See special Section, pages 108, 109.
- (iv) **Infant Life Protection.** See special Section, page 109, 110.
- (v) **Orthopaedic Treatment.** See special Section, page 92.
4. **Maternity and Nursing Homes.** The number of registered Nursing Homes in the Borough at the end of the year was seven.

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SECTION C.

Sanitary Circumstances of  
the Area.

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## SECTION C.

## Sanitary Circumstances of the Area.

**1. (i) Water.**

The area supplied with water by the Stockport Undertaking covers 115 square miles, with an estimated population of 227,910.

The average daily consumption of water for this area during 1937 was 7,734,000 gallons.

Routine analysis of the water was carried out and the results were satisfactory.

**(ii) Drainage and Sewerage.**

I am indebted to the courtesy of Mr. W. F. Gardner, M.I.C.E., Borough Surveyor, for the following details of work done during the year :—

Number of back passages paved and sewered : 1.  
 Length of sewers laid : 6 miles, 7 fur., 124 yards.  
 Number of cellar areas closed and filled in for street improvements : 27.  
 Number of houses demolished for street improvements : 17.  
 Number of water-closets erected in connection with new houses and buildings : 1,618.

**2. Rivers and Streams.**

No change of importance to report.

**3. (i) Closet Accommodation.**

During 1937, 21 waste water closets, and 1 privy were converted to W.Cs. Sixty-one additional W.Cs. were provided (as distinct from new houses provision), and 58 W.Cs. included in Slum Clearance Areas were demolished.

The following table indicates the position in the Borough, as compared with the previous year.

	1936.		1937.
Water Closets.....	35608	..	37251
Waste Water Closets.....	539	..	518
Pail Closets.....	106	..	106
Privy Middens.....	1	..	—
Cesspools.....	3	..	3

Full details of the work carried out during the year is given in the following table :—

## CONVERSIONS, ADDITIONAL WATER-CLOSETS, &amp;c., PROVIDED DURING 1937.

District	Privies converted to W.Cs.	Additional W.Cs. provided.	Pail Closets converted into W.Cs.	Waste Water Closets converted into W.Cs.	Privy Middens abolished.	Dustbins provided where Middens abolished.	Dry Ashpits abolished.	Dustbins provided where Dry Ashpits abolished.	W.Cs. demolished by Slum Clearance.
No. 1..	0	1	0	2	0	0	0	0	
No. 2..	0	1	0	0	0	0	2	4	
No. 3..	0	5	0	9	0	0	6	10	
No. 4..	1	11	0	0	1	1	0	0	
No. 5..	0	5	0	0	0	0	0	0	
No. 6..	0	16	0	10	0	0	0	0	
Shops	0	22	0	0	0	0	0	0	
Total..	1	61	0	21	1	1	8	14	58

83



**(ii) Public Cleansing.**

No change.

At the end of 1937, there were the following sanitary appliances :—

Ashbins.....	46425
Ashpits.....	121

**(iii) Sanitary Inspection of the Area.**

I am indebted to Mr. F. Allsop, Chief Sanitary Inspector, who has supplied the material for this Section of the Report.

**District Sanitary Inspectors' Work.****INSPECTIONS MADE AND NUISANCES FOUND :—**

Total Inspections made (all purposes).....	29897
Total individual properties inspected (all purposes).....	11853
Housing Inspections (under P.H.A.).....	3363
Total individual properties inspected.....	2972
Other Inspections (under P.H.A.).....	6503
Courts and Yards.....	1763
Dry Ashpits and Dustbins.....	1052
Drainage.....	1523
Water Closets.....	2502
Water Courses.....	40
Miscellaneous Inspections.....	8151
<b>Inspections for Infectious Disease :—</b>	
Total Inspections and Visits.....	934
Total houses visited.....	813
Houses disinfected.....	688 + 3 Out-districts
Schools, etc., disinfected.....	13
<b>COMPLAINTS RECEIVED.....</b>	<b>511</b>
<b>NUISANCES FOUND.....</b>	<b>1546</b>
<b>NUISANCES ABATED (total).....</b>	<b>1551</b>

**WATER CLOSETS, ETC. :—**

Water Closets cleansed (by Owners).....	85
Water Closets cleansed (by Occupiers).....	8
Water Closet Pedestals, etc., renewed or repaired.....	93
Water Supply Pipes or Cisterns to Water Closets repaired....	186
Water Courses Cleansed.....	3
Dustbins renewed.....	363
Houses Cleansed, Re-papered, or Lime-washed.....	9

Water Closets, Etc.—*Continued.*

Sink Waste Pipes Renewed or Repaired.....	187
Downspouts or Eaves Gutters Renewed or Repaired.....	391
House Drains Tested.....	185
House Drains and Drains to Water Closets Reconstructed or Repaired.....	416
Gully Traps Fixed .....	149
Soilpipes and Ventilating Shafts Erected.....	68
Yards, Courts or Passages Drained or Drains Repaired.....	197
Yards, Courts or Passages Paved or Repaired.....	170
Yards, Courts or Passages cleansed by Occupiers.....	2
Animals Improperly Kept—Removed.....	10
Accumulations Removed.....	58
Miscellaneous Nuisances.....	526

## NOTICES SERVED :—

Preliminary.....	923
Statutory.....	105
January 1st, 1937. Statutory Notices outstanding .....	32
December 31st, 1937.                   ,,                   ,, .....	69

## NOTICES COMPLIED WITH :—

Preliminary.....	811
Statutory.....	68

**Factory and Workshop Act, 1901.****1. INSPECTION OF FACTORIES, WORKSHOPS AND WORKPLACES.**

INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS OR INSPECTORS OF NUISANCES.

PREMISES. (1)	Number of		
	Inspections. (2)	Written Notices. (3)	Occupiers Prosecuted. (4)
FACTORIES .. .. . (Including Factory Laundries)	86	6	—
WORKSHOPS .. .. . (Including Workshop Laundries)	79	1	—
WORKPLACES .. .. . (Other than Outworkers' premises)	18	—	—
Total... ..	183	7	—



## 2. DEFECTS FOUND IN FACTORIES, WORKSHOPS AND WORKPLACES.

PARTICULARS.  (1)	Number of Defects.			Number of offences in respect of which Prosecutions were instituted. (5)
	Found. (2)	Remedied. (3)	Referred to H.M. Inspector. (4)	
<i>Nuisances under the Public Health Acts:*</i>				
Want of Cleanliness .. .. .	11	7	—	—
Want of Ventilation .. .. .	—	—	—	—
Overcrowding .. .. .	—	—	—	—
Want of Drainage of Floors .. ..	1	—	—	—
Other Nuisances .. .. .	24	14	—	—
Sanitary accommodation { insufficient .. ..	6	5	—	—
{ unsuitable or or defective .. ..	6	8	—	—
{ not separate for sexes .. .. .	1	1	—	—
<i>Offences under the Factory and Workshop Acts :—</i>				
Illegal occupation of underground Bakehouse (s. 101) .. .. .	—	—	—	—
Other Offences .. .. . (Excluding offences relating to out-work and offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops Transfer of Power) Order, 1921).	—	—	—	—
Total .. .. .	49	35	—	—

\*Including those specified in Sections 2, 3, 7 and 8 of the Factory and Workshop Act, 1901, as remediable under the Public Health Acts.

There were no instances in which the attention of the Department was called to outworkers working in unwholesome premises during 1937.

183 visits of inspection were paid by your Inspectors to the various workplaces during the year.

## 3.—HOME WORK.

Nature of Work	Outworkers' List. Section 107.						Outwork in unwholesome Premises, Section 108.		
	Lists received from Employers.			Number of Addresses of Out-workers received from other Councils.	Number of Addresses of Out-workers forwarded to other Councils.	Instances.	Notices served.	Prosecutions.	
	Twice in the Year.		Once in the Year.						
	Out-workers	Lists.	Out-workers						
	Lists.	Con-tractors	Work-men	Con-tractors	Work-men				
Wearing Apparel :—									
(1) Making, etc.....	17	11	93	..	..	48	8	..	..

Number of Inspections of Outworkers' Premises.....83



**(iv) Shops Acts.**

The administration of Sections 1 to 3 of the Shops Act, 1912, and the whole of the Shops Act, 1934, relating to the employment of young persons, sanitation, and the health and comfort of shop assistants, is carried out by this Department.

On the 1st May, 1937, Sections 11, 12 and 13 of the Shops (Sunday Trading Restrictions) Act, 1936, came into operation, and concerns the hours of employment of shop assistants on Sundays and the keeping of records in connection therewith. This Department carries out the duties involved in the administration of these provisions.

The duties under Sections 4 to 12 of the Shops Act, 1912, relating to the early and late closing of shops are administered by the Watch Committee.

**Summary of Work under the Shops Acts, 1912-1934.**

For the year ended 31st December, 1937.

Number of Shops on the Register.....	3651
Number of Visits for all Purposes.....	3882
Notices Served :—	
Preliminary.....	91
Statutory.....	9
Notices Complied With :—	
Preliminary.....	101
Statutory.....	6
Notices Outstanding :—	
Preliminary.....	32
Statutory.....	4
Nature of Work Complied With :—	
Additions to Sanitary Accommodation.....	22
Renewals and Repairs to Sanitary Accommodation.....	38
General Drainage and Repairs.....	41
Premises Cleansed.....	16
Ash Bins Renewed.....	9
Prescribed Forms obtained and displayed.....	65
Additional Facilities Required and Provided :—	
Washing Facilities.....	16
Ventilation and Temperature.....	35
Facilities for Meals.....	23

**(v) Pharmacy and Poisons Act, 1933.**

The whole of the above Act is now administered by this Department. The listed sellers on the Register under the above Act is 141. During the year 172 inspections of these premises were made. One preliminary notice was served for non-compliance with the requirements of the Act, and this has been complied with.



**(vi) Smoke Abatement.**

As efficient a watch as possible, with the staff available, has been kept on factory smoke during the year, as is shown by the following summary :—

No. of Unrecorded Observations.....	515
No. of Recorded Observations.....	6
No. of instances where warnings have been necessary.....	25

Early in the present year, the Council decided to confirm their previous decision to join the proposed South East Lancashire Joint Smoke Abatement Board, to be composed of authorities within a 15 miles radius of Manchester. The estimated cost to each Statutory Authority is computed to approximate one-ninth of a penny rate. Up to the present, the Board has not been formed, but the Manchester & District Regional Smoke Abatement Committee are actively engaged in negotiating for an early completion of the scheme.

**(vii) Swimming Baths and Pools.**

There are four public swimming baths in the Borough, owned by the Corporation, 3 of which are at the St. Petersgate Baths, and 1 at the Reddish Baths. The water in all four baths is treated by Bells Chlorine Plant, which is in constant use.

In addition, there are two privately owned open-air swimming baths open to the public, both of which are provided with adequate separate sanitary and dressing accommodation. In one of the baths, the water is treated by Bells Chlorine Plant, which is in constant use. In the other privately owned bath, the Bruce Auld Limited Ozone Treatment is used.

Samples of the water from the above baths have been taken during the year, and have proved satisfactory.

**(viii) Eradication of Bed Bugs.**

During the year 16 Corporation houses were found to be infested with bugs, all of which were disinfested by the use of Hydrogen Cyanide.

In the case of rehousing under the Slum Clearance and Overcrowding Schemes, the furniture and bedding from 210 houses was disinfested. The bedding was subjected to steam disinfestation, and the furniture treated with Hydrogen Cyanide. (See "Disinfestation" under Housing, Section D).

The fumigation of Corporation houses and the disinfestation of furniture is carried out by a private firm under contract.

The disinfestation of privately owned houses is not undertaken by the Corporation, but when inquiries are received, advice and information concerning the methods of disinfestation are willingly given.

**(ix.) Premises and Occupations which can be Controlled by Byelaws or Regulations.**

**COMMON LODGING HOUSES.** There are three Common Lodging Houses in the Borough, to which 61 visits were paid during the year.



**BAKEHOUSES.** There are 158 bakehouses, (three of which are underground), to which 295 visits were made in the course of the year.

**OFFENSIVE TRADES.** There are in the Borough 20 premises in which one or other of the offensive trades is carried on, and 253 visits were made to these during the year.

**FAIRS AND WAKES AND TRAVELLING VANS.** In connection with fairs and vans, 62 caravans used as dwelling houses were inspected.

**(x.) Rats and Mice (Destruction) Act, 1919.**

242 visits of inspection were made under the above Act, advice and assistance was given to the persons concerned as to the safest means of destruction in the various cases. It is known that some hundreds of rats were destroyed.

**(xi) Rag Flocks Acts, 1911 and 1928.**

Twelve visits were made to works in order to ascertain that no infringement of the provisions relating to rag flock was taking place.

**4. Schools.**

**(a) Sanitation.**

Progress has been made in improving the general sanitation of the Schools. Reference to the Report on the School Medical Service will give details.

**(b) Infectious Disease.**

In several instances school outbreaks of infectious disease came to the notice of the Health Department, and required investigation.

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SECTION D.

Housing.

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## SECTION D.

Housing.**REVIEW OF SLUM CLEARANCE PROGRAMME.**

The Slum Clearance Programme submitted in 1933 consisted of 20 Clearance Areas, 14 Improvement Areas, and 694 individually unfit houses, involving a total of 4,317 houses.

As the result of experience and the introduction of the Housing Act, 1935, whereby Improvement Areas were discontinued, it was found necessary to remodel the Slum Clearance Programme.

The following tabular statement indicates the position at 31st December, 1937 :—

No. of Houses in Clearance Areas (Confirmed).....	582	
No. of Individually Unfit Houses dealt with.....	386	
No. of Houses scheduled, but subsequently either closed or made fit.....	123	
	—	1091
No. of Houses in the Lacy Street Compulsory Purchase Order awaiting completion of conveyance.....	24	
No. of Houses in Clearance Areas awaiting Ministry of Health confirmation.....	183	
No. of Houses in Clearance Areas passed by the Council, to be submitted to the Ministry of Health.....	50	
No. of Houses in Proposed Clearance Areas.....	648	
No. of Proposed Undividually Unfit Houses.....	41	
	—	946
		—
		2037

**RE-HOUSING.**

No. of Houses provided by the Corporation for Slum Clearance Purposes.....	655
No. of Families re-housed in Corporation Houses (Some of the houses have been let a second time).....	706
No. of Corporation Houses unoccupied (available for re-housing).....	22
No. of Families who have found alternative accommodation elsewhere.....	301
No. of Families still awaiting re-housing.....	62

**New Houses.**

The year has seen an enormous extension of building activity and I give here particulars of the houses built, or in course of building at the end of the year :—

No. of Houses erected during the year ended December, 1937, by private enterprise.....	1392
No. of Houses in course of erection by private enterprise, 31st December, 1937.....	805
No. of Houses erected by the Corporation during the year ended December, 1937.....	140
No. of Houses in course of erection by the Corporation, 31st December, 1937.....	106

Number of houses built by the Corporation and Private Enterprise during the last few years.

NUMBER OF HOUSES COMPLETED.

YEAR.		<i>By Private Enterprise.</i>	<i>By Corporation.</i>		<i>Total.</i>
1920 } 1921 }	..	77	..	147	.. 224
1922	..	125	..	—	.. 125
1923	..	176	..	—	.. 176
1924	..	241	..	—	.. 241
1925	..	405	..	—	.. 405
1926	..	335	..	—	.. 335
1927	..	330	..	20	.. 350
1928	..	333	..	54	.. 387
1929	..	294	..	128	.. 422
1930	..	233	..	174	.. 407
1931	..	468	..	332	.. 800
1932	..	471	..	106	.. 577
1933	..	670	..	514	.. 1184
1934	..	1514	..	51	.. 1565
1935	..	1255	..	270	.. 1525
1936	..	1443	..	110	.. 1553
1937	..	1392	..	140	.. 1532
	Totals	9762	..	2046	.. 11808

TYPES OF HOUSES BUILT BY THE LOCAL AUTHORITY

<i>Site</i>	<i>Flats.</i>						<i>Total.</i>
	<i>A4</i>	<i>B3.</i>	<i>A3.</i>	<i>A2</i>	<i>A2.</i>	<i>A1.</i>	
	<i>Non- Parlour 4 Bed- rooms.</i>	<i>Parlour 3 Bed- rooms.</i>	<i>Non Parlour 3 Bed- rooms.</i>	<i>Non Parlour 2 Bed- rooms.</i>	<i>Non Parlour 2 Bed- rooms.</i>	<i>Non Parlour 1 Bed- room.</i>	
Dial House.....	—	101	—	—	—	—	101
Cheadle Heath (No. 1)..	—	3	16	—	—	—	19
Edgeley.....	—	24	3	—	—	—	27
Cheadle Heath (No. 2)..	—	—	—	20	—	—	20
Didsbury Road.....	—	—	122	76	40	—	238
Criterion Street.....	—	—	118	—	—	—	118
Reddish Road.....	—	—	174	—	40	—	214
Bates Ley (Garners Lane)	—	—	594	—	80	—	674
Lancashire Hill.....	—	—	64	—	—	—	64
School Street.....	5	—	26	—	—	—	31
Towett Street.....	7	—	13	—	—	—	20
Stockport Road Site...	58	—	176	—	—	36	270
Adswood Hall.....	41	—	131	—	—	—	172
Huntsman's Brow.....	7	—	15	—	—	—	22
Woodhall Road .....	—	—	24	—	—	32	56
	118	128	1476	96	160	68	2046



**Ward Distribution of New Houses.**

Number of houses erected in the various Wards of the Borough during the year ended 31st December, 1937 :—

<i>Ward.</i>		<i>Private</i>		<i>Corporation.</i>	<i>Total.</i>
		<i>Enterprise.</i>			
Portwood.....	No. 1	50	..	—	50
St. Mary's.....	2	—	..	—	—
Vernon.....	3	194	..	—	194
Hempshaw Lane.....	4	42	..	—	42
St. Thomas's.....	5	10	..	—	10
Cale Green.....	6	—	..	—	—
Heaviley.....	7	268	..	—	268
Davenport.....	8	18	..	—	18
Shaw Heath.....	9	28	..	62	90
Edgeley.....	10	44	..	—	44
Hollywood.....	11	38	..	—	38
Heaton Lane.....	12	62	..	22	84
Heaton Norris South..	13	103	..	—	103
Heaton Norris North..	14	51	..	—	51
Old Road.....	15	—	..	56	56
Lancashire Hill.....	16	6	..	—	6
Reddish South.....	17	233	..	—	233
Reddish North.....	18	245	..	—	245
Total.....		1392	..	140	1532

**GENERAL ACTION TAKEN AS REGARDS UNFIT HOUSES.****Clearance Areas.**

During the year 17 Clearance Areas, comprising 324 houses were the subject of inquiry and inspection by representatives of the Ministry of Health.

The first inquiry was held on the 16th March, 1937, and subsequent days in connection with the following 8 Clearance Areas :—

Daw Bank, No. 1.....	comprising 6 houses.
Daw Bank, No. 2.....	3 "
Daw Bank, No. 3.....	4 "
Swaine Street.....	3 "
Hart Street.....	16 "
Queen Street West.....	98 "
Hopes Carr.....	7 "
Watson Square.....	4 "

Total..... 141

All the houses in each of the above Areas were confirmed by the Ministry of Health on the 14th June, 1937.

On the 26th October, 1937, and subsequent days, an inquiry was held in connection with the following 6 Clearance Areas :—

Hayfield Street.....	comprising 15 houses.
Emperor Street.....	9    "
Back Water Street, No. 1.....	4    "
Back Water Street, No. 2.....	18   "
Pool Lane, No. 2.....	6    "
Clarkes Court.....	2    "
Total.....	54

At the 31st December, 1937, these Areas were awaiting the confirmation of the Ministry of Health, but during the early part of 1938 a communication was received, confirming all the houses in each of the Areas.

On the 14th December, 1937, and subsequent days, the following 3 Clearance Areas were the subject of inquiry and inspection :—

Swann Street.....	comprising 77 houses.
Pool Lane, No. 1.....	33   "
Dodge Hill.....	15 Living Vans and 4 Wooden Huts.
Total.....	129

Early in 1938, all the houses in each of these Areas were confirmed, with the exception of 1 living van in the Dodge Hill Clearance Area, which had been moved out of the Area between the date of the representation and the inquiry.

At the end of the year, the negotiations in connection with the Lacy Street Area were practically completed, and the property was actually transferred to the Corporation on the 11th January, 1938.

#### Individual Unfit Houses.

During the year, action was taken as follows :—

Demolition Orders Served.....	45
Houses Closed.....	7
Houses Demolished.....	57

#### Disinfestation.

In all cases of rehousing under the Slum Clearance and Overcrowding Schemes, the bedding is subjected to steam disinfestation, and the furniture treated with Hydrogen Cyanide. This disinfestation of furniture is carried out by a private firm under contract. The furniture and bedding of 212 families from 210 houses were treated by the above method during the year, the various cases being classified as follows :—

Families removed from houses in Slum Clearance Areas.....	181
Families removed from Overcrowded Houses.....	26
Tuberculous Families removed from Overcrowded Houses.....	4
Families removed from Council houses to houses on other Corporation Estates.....	1
	212

Included in the above table there is an Overcrowded Tuberculous Family which was rehoused in a house leased by the Corporation for the rehousing of Tuberculous families.

All Corporation houses which become infested with vermin are fumigated with Hydrogen Cyanide. Sixteen houses were disinfested during the year.



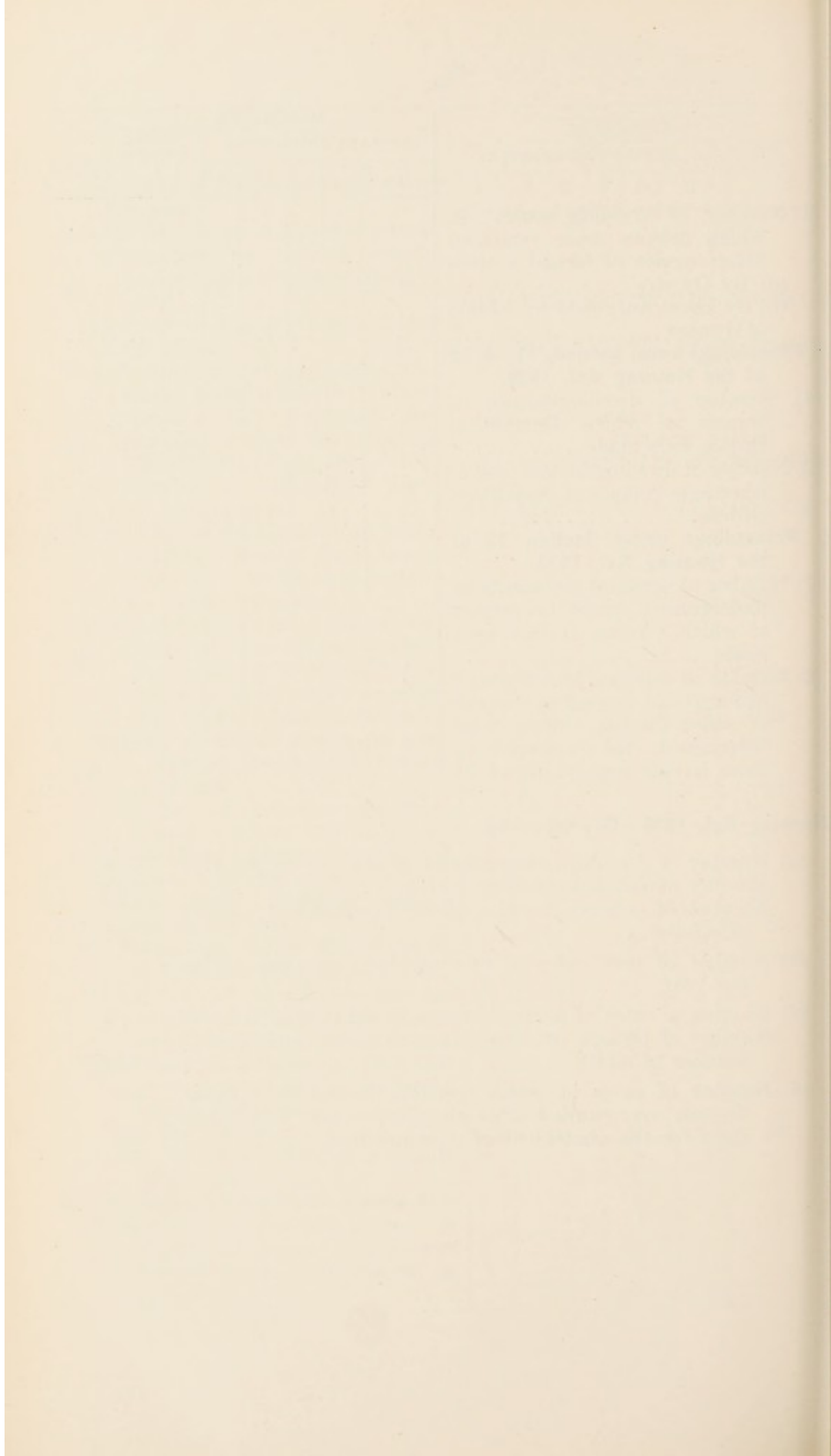
DISTRICTS										Total
SANITARY INSPECTORS						Housing Inspectors				
1	2	3	4	5	6	1	2			
<b>1. Inspection of Dwelling-houses during the year.</b>										
1 (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts).....	445	69	267	285	233	372	347	261	222	
(b) Number of Inspections made for the purpose .....	1466	584	515	897	623	1289	2182	2822	1030	
2 (a) Number of dwelling-houses (included under sub-head (1) above which were inspected and recorded under the Housing Consolidation Regulations, 1925)	52	45	179	136	71	26	247	261	100	
(b) Number of Inspections made for the purpose.....	411	397	394	465	211	175	2182	2822	70	
(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	1	361			
(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..	52	8	61	14	4	25	131			
<b>2. Remedy of defects during the year without Service of Formal Notices.</b>										
Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers										
	54	41	40	11	28	27	..	..		
<b>3. Action under Statutory Powers during the year.</b>										
<b>A. Proceeding under Sections 9, 10 &amp; 16 of the Housing Act, 1936.</b>										
(1) Number of dwelling-houses in respect of which notices were served requiring repairs.....	19	5	..	5	5	..	6			
(2) Number of dwelling-houses which were rendered fit after service of formal notices :—										
(a) By Owners.....	20	5	..	4	1	1	38			
(b) By Local Authority in default of Owners.....	..	..	..	..	..	..	..	..		
<b>B. Proceedings under Public Health Acts.</b>										
(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied.....	7	6	..	68	4	20	..	..		

	DISTRICTS								<i>Total</i>
	SANITARY INSPECTORS						Housing Inspectors		
	1	2	3	4	5	6	1	2	
(2) Number of dwelling-houses in which defects were remedied after service of formal notices									
(a) By Owners .....	9	6	..	20	..	29	..	..	64
(b) By Local Authority in default of Owners .....	..	..	..	..	..	..	..	..	..
<b>C. Proceedings under Sections 11, &amp; 13 of the Housing Act, 1936.</b>									
(1) Number of dwelling-houses in respect of which Demolition Orders were made .....	..	..	..	..	..	..	23	22	45
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders.....	..	..	..	..	..	..	..	..	57
<b>D. Proceedings under Section 12 of the Housing Act, 1936.</b>									
(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made .....	..	..	..	..	..	..	..	..	Nil
(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

#### Housing Act, 1936—Overcrowding.

(a) Number of dwellings overcrowded at the end of the year	500
Number of families dwelling therein .....	516
Number of persons dwelling therein (equivalent number of adults) .....	3291
(b) Number of new cases of overcrowding reported during the year .....	21
(c) Number of cases of overcrowding relieved during the year	64
Number of persons concerned in such cases (equivalent number of adults) .....	380½
(d) Number of cases in which dwelling houses have again become overcrowded after the Corporation had taken steps for the abatement of overcrowding .....	Nil.





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SECTION E.

Inspection and Supervision  
of Food.

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## SECTION E.

## Inspection and Supervision of Food.

**(a) MILK SUPPLY.****(i) General.**

It is of the utmost importance to secure for a community an adequate supply of pure wholesome milk, which is one of the staple articles of diet, and indispensable for invalids and young children.

Milk forms an excellent medium for the growth of organisms of all kinds, and it is liable to contamination by disease-producing germs. Milk-borne epidemics of such diseases as Scarlet Fever, Enteric Fever, etc., are well known. Milk is liable to contamination at all stages from the cow to the consumer, and it is necessary, therefore, for scrupulous cleanliness to be exercised by all who are engaged in its production, storage, transport and distribution.

Details of the work carried out by the Department under the Milk and Dairies (Consolidation) Act 1915, the Milk and Dairies Order 1926, and the Milk (Special Designations) Order 1936, are given below.

**(ii) Milk and Dairies Order, 1926.**

The work carried out under this Order is concerned with the registration and cleanliness of dairies and cowsheds, the registration of persons controlling premises registered under the Order, the inspection of cattle, and the conveyance and distribution of milk.

There are 38 cowsheds and 131 dairies and milkshops in the Borough. In addition 132 persons deliver milk in Stockport.

During the year 598 visits of inspection have been made to these premises, and as a result many alterations and repairs have been effected.

A part-time Veterinary Surgeon is employed, and a routine inspection of all the cows in the Borough is carried out quarterly.

**(iii) Milk (Special Designations) Order, 1936.**

The work carried out by the Department includes the licensing of producers and bottlers of milks designated under this Order and of dealers therein, the taking of samples for examination and the inspection of licensed premises.

The designations of milk are now "Tuberculin Tested," "Accredited," and "Pasteurised."

Changes have also been made in the manner by which the various classes of milk are examined. The Bacterial Count test has been superseded by the Methylene Blue Reduction Test, except in the case of "Pasteurised" milk. The latter test is carried out by the taking of samples in specially sterilised bottles, the milk being kept at a prescribed temperature. Methylene blue is then inserted and a record taken of the time in which the milk decolourises. A satisfactory sample of milk should not decolourise in under  $4\frac{1}{2}$  hours (1st May to 31st October) or  $5\frac{1}{2}$  hours (1st November to 30th April).

A more accurate test for cleanliness is a combination of the Methylene Blue Reduction Test and the Bacteriological Test for the presence of *Bacillus Coli*.

Tuberculin Tested and Accredited milk is now tested, in all cases, by the Methylene Blue Reduction Test and the *Bacillus Coli* Test.

Pasteurised milk is tested by the Bacterial Count and *Bacillus Coli* Tests.

During the year 119 samples of milk have been procured and tested as follows :—

	<i>Total No. of Samples</i>		<i>No. Satisfactory</i>		<i>No. Unsatisfactory</i>
Methylene Blue Reduction Test.....	93	..	51	..	42
Methylene Blue Reduction and <i>Bacillus Coli</i> Test.....	14	..	12	..	2
Bacterial Count and <i>Bacillus Coli</i> Test.....	12	..	5	..	7
	—		—		—
	119	..	68	..	51
	—		—		—

#### (iv) **Milk and Dairies (Consolidation) Act, 1915.**

During the year 123 samples of milk were taken and examined for Tuberculosis infection, of which 108 proved negative and 15 proved positive. The percentage of positive results was, therefore, 12.20, as against 13.11 per cent last year.

The positive samples were followed up, and the affected cows destroyed. But this procedure is lengthy ; it takes up to six weeks after the sample is taken to determine the presence of tubercle bacilli, and during all this time the cow is giving infected milk. Steps are taken by the Department to render this milk safe by pasteurisation until the affected cow, or cows, are ascertained and destroyed.



There is hardly a more important Public Health problem than that of milk infected with Tuberculosis. It is considered by many eminent Medical Authorities that 50 per cent. of child tuberculosis (other than lung tuberculosis) is due to the bovine tubercle bacillus.

**(v) Milk Sediment Test.**

A rough test of milk cleanliness is known as the sediment test, and it is of particular value in that the farmer or dairyman can be shown the actual dirt in his milk, and he will, by the evidence of his own eyes, realise that all is not well. In this test a pint of milk is placed in a special container, and then forced by pressure through a filter pad. The pad retains much of the macroscopic (as distinct from microscopic) dirt, and the farmer or milkman is then given marks according to the cleanliness of the milk—the maximum being 50.

29 sediment tests of milk have been performed during the year, and the results communicated to the farmer or dairyman concerned.

It is interesting to note that the tradesmen who have had tests performed, have frequently asked for a repetition of the test, as they had, in the meantime, been vigorously trying to improve their methods. The second test, as a rule, was distinctly better than the first.

**Results of Milk Sediment Tests.**

<i>Marks.</i>		<i>Number of Samples.</i>		<i>Per cent. of Samples.</i>
50	..	2	..	6.9
45	..	9	..	31.0
40	..	4	..	13.8
35	..	4	..	13.8
30	..	5	..	17.2
25	..	1	..	3.5
20	..	4	..	13.8
15	..	0	..	0
10	..	0	..	0
0	..	0	..	0
		—		—
Total		29	Total	100.0
		—		—

**(b) MEAT AND OTHER FOODS.**

During the year the method of meat inspection, outlined in the report for 1932, was continued, so that each District Inspector was responsible for the work of meat inspection in his district.

During the year 2,567 visits of inspection to slaughter-houses were made, as compared with 2,413 during the previous year.

The following is a summary of the unsound meat and other foods dealt with, and subsequently destroyed :—

#### CARCASES INSPECTED AND CONDEMNED.

	<i>Cattle excluding Cows</i>	<i>Cows</i>	<i>Calves</i>	<i>Sheep and Lambs</i>	<i>Pigs</i>
Number Killed.....	8233	1315	486	35315	4855
Number Inspected.....	8233	1315	486	35315	4855
<b><u>All Diseases except Tuberculosis.</u></b>					
Whole Carcases Condemned .....	—	1	—	5	11
Carcases of which some part or organ was Condemned .....	53	33	—	15	30
Percentage of the number Inspected affected with Disease other than Tuberculosis.....	0.644	2.59	—	.057	.844
<b><u>Tuberculosis only.</u></b>					
Whole Carcases Condemned.....	5	17	1	—	15
Carcases of which some part or organ was Condemned.....	277	348	—	—	524
Percentage of the number Inspected affected with Tuberculosis.....	3.43	27.76	.206	—	11.10

636 tins of meat, fish and fruit unsound. 31 chickens, 15 ducks, 3 geese, 17 turkeys, 84 rabbits, 21 lbs. salmon, 2 boxes haddocks, 964 eggs, 1 barrel pears, 15 boxes grapes, and 17 lbs. chocolates and other sweets.

The unsound meat is sent to the Knacker's Yard, where it is rendered down to chicken meal, fertiliser, etc.

Numerous inspections of food shops, and especially the Market, have been paid, chiefly on Fridays and Saturdays.

#### (c) ADULTERATION.

416 samples of various foodstuffs, of which 61 were milk samples, were taken during the year, and of these 4, including 3 milks, were found to be adulterated, or did not comply with the requirements of the Act. The detailed analyses of the samples, with the action taken, will be found in the following tables :—



## Analyses of Food and Drugs.

<i>Articles Analysed.</i>	<i>Number Analysed.</i>	<i>Result of Analyses.</i>		<i>Extent of Adulteration.</i>	<i>Action Taken.</i>
		<i>Genuine.</i>	<i>Adulterated.</i>		
Milk.....	61	58	3	2 Samples. 3% Deficient in Fat. 1 Sample. 2% Deficient in Fat.	Warned. Warned.
Sherry.....	1	1	—		
Whisky.....	3	3	—		
Rum.....	2	2	—		
Arrowroot.....	3	3	—		
Butter.....	34	34	—		
Camphorated Oil...	4	4	—		
Cheshire Cheese....	20	20	—		
Cinnamon.....	3	3	—		
Coffee.....	21	21	—		
Cream.....	8	8	—		
Dried Mint.....	1	1	—		
Ground Rice.....	9	9	—		
Lard.....	12	12	—		
Malt Vinegar.....	10	10	—		
Margarine.....	5	4	1	Improperly Labelled.	Warned.
Pepper.....	9	9	—		
Cocoa.....	6	6	—		
Olive Oil.....	6	6	—		
Potted Meat.....	24	24	—		
Peroxide of Hydro- gen.....	1	1	—		
Corn Flour.....	4	4	—		
Corned Beef.....	1	1	—		
Sausages.....	20	20	—		
Polony.....	1	1	—		
Veal and Tongue...	1	1	—		
Mixed Spice.....	2	2	—		
Cream of Tartar...	3	3	—		
Glycerine.....	9	9	—		
Sauce.....	6	6	—		
Lemon Cheese.....	6	6	—		
Tea.....	8	8	—		
Tinned Peas.....	9	9	—		
Brawn.....	13	13	—		
Iodine.....	1	1	—		
Tinned Milk.....	6	6	—		
Castor Oil.....	4	4	—		
Dessicated Cocoanut	2	2	—		
Self-Raising Flour..	1	1	—		
Ground Ginger.....	1	1	—		
Veal and Ham.....	1	1	—		
Mustard.....	1	1	—		
Magnesia.....	1	1	—		
Bicarbonate of Soda	2	2	—		
Slippery Elm.....	2	2	—		

## ANALYSES OF FOOD AND DRUGS.—(Continued.)

<i>Articles Analysed.</i>	<i>Number Analysed.</i>	<i>Result of Analyses.</i>		<i>Extent of Adulteration.</i>	<i>Action Taken.</i>
		<i>Genuine.</i>	<i>Adulterated.</i>		
Egg Substitute.....	1	1	—		
Aspirin Tablets....	1	1	—		
Jam.....	6	6	—		
Sage.....	1	1	—		
Mincemeat.....	1	1	—		
Turkey & Tongue Paste.....	4	4	—		
Chicken & Ham Paste.....	2	2	—		
Lobster Paste.....	1	1	—		
Salmon Paste.....	2	2	—		
Camphor.....	1	1	—		
Ground Almonds...	8	8	—		
Black Puddings....	1	1	—		
Steak and Kidney Pudding.....	1	1	—		
Jellied Veal.....	1	1	—		
Anchovies.....	1	1	—		
Kippers.....	1	1	—		
Baking Powder....	2	2	—		
Shrimps.....	1	1	—		
Banana Curd.....	1	1	—		
Beef Suet.....	6	6	—		
Honey.....	1	1	—		
Epsom Salts.....	1	1	—		
Phenol Mixture....	1	1	—		
Tapioca.....	1	1	—		
Pressed Pork.....	1	1	—		
Dried Milk.....	1	1	—		
Gravy Browning...	1	1	—		
Oatmeal.....	5	5	—		
Icing Sugar.....	4	4	—		
Tinned Crab.....	2	2	—		
Tinned Sardines....	1	1	—		
Crab and Lobster Paste.....	1	1	—		
Salmon & Shrimp Paste.....	3	3	—		
Anchovy Paste.....	1	1	—		
Crab Paste.....	1	1	—		
Total.....	416	412	4		



The following tables show the percentage of adulteration compared with previous years :—

<i>Year.</i>	<i>Total Samples analysed.</i>	<i>Adulterated.</i>	<i>Percentage adulteration.</i>
1922	361	26	7.2
1923	326	12	3.68
1924	360	19	5.28
1925	360	17	4.72
1926	361	11	3.05
1927	360	9	2.5
1928	360	16	4.4
1929	239	7	2.93
1930	338	2	0.59
1931	344	4	1.16
1932	326	10	3.067
1933	347	15	4.32
1934	385	25	6.49
1935	400	21	5.25
1936	417	15	3.59
1937	416	4	0.96

Analysis of *milk samples* compared with previous years :—

<i>Year.</i>	<i>Total Samples analysed.</i>	<i>Adulterated.</i>	<i>Percentage adulteration.</i>
1923	187	7	3.74
1924	243	13	5.35
1925	211	10	4.74
1926	226	8	3.54
1927	225	7	3.11
1928	276	13	4.7
1929	212	6	2.83
1930	228	1	0.44
1931	228	2	0.87
1932	234	5	2.14
1933	116	3	2.59
1934	136	8	5.88
1935	88	7	7.95
1936	34	3	8.82
1937	61	3	4.92

**(d) CHEMICAL AND BACTERIOLOGICAL EXAMINATION OF FOOD.**

Chemical Analysis of samples of food-stuffs taken by your Inspectors was carried out by Mr. T. R. Hodgson as Public Analyst. The bacteriological examination is carried out at the Public Health Laboratory, Manchester.

**(e) NUTRITION.**

The five Empire Marketing Board frames, which became the property of the Corporation in 1934, have been used for posters illustrating various health matters, including nutrition. The classes in Mothercraft and Hygiene in the schools have been continued.

**(f) SHELL FISH (Molluscan).**

There are no Shell Fish beds in the Borough.

**(g) FERTILISING AND FEEDING STUFFS ACT.**

Eight samples were taken under the above Act, all of which proved genuine.

### Legal Proceedings during the Year, 1937.

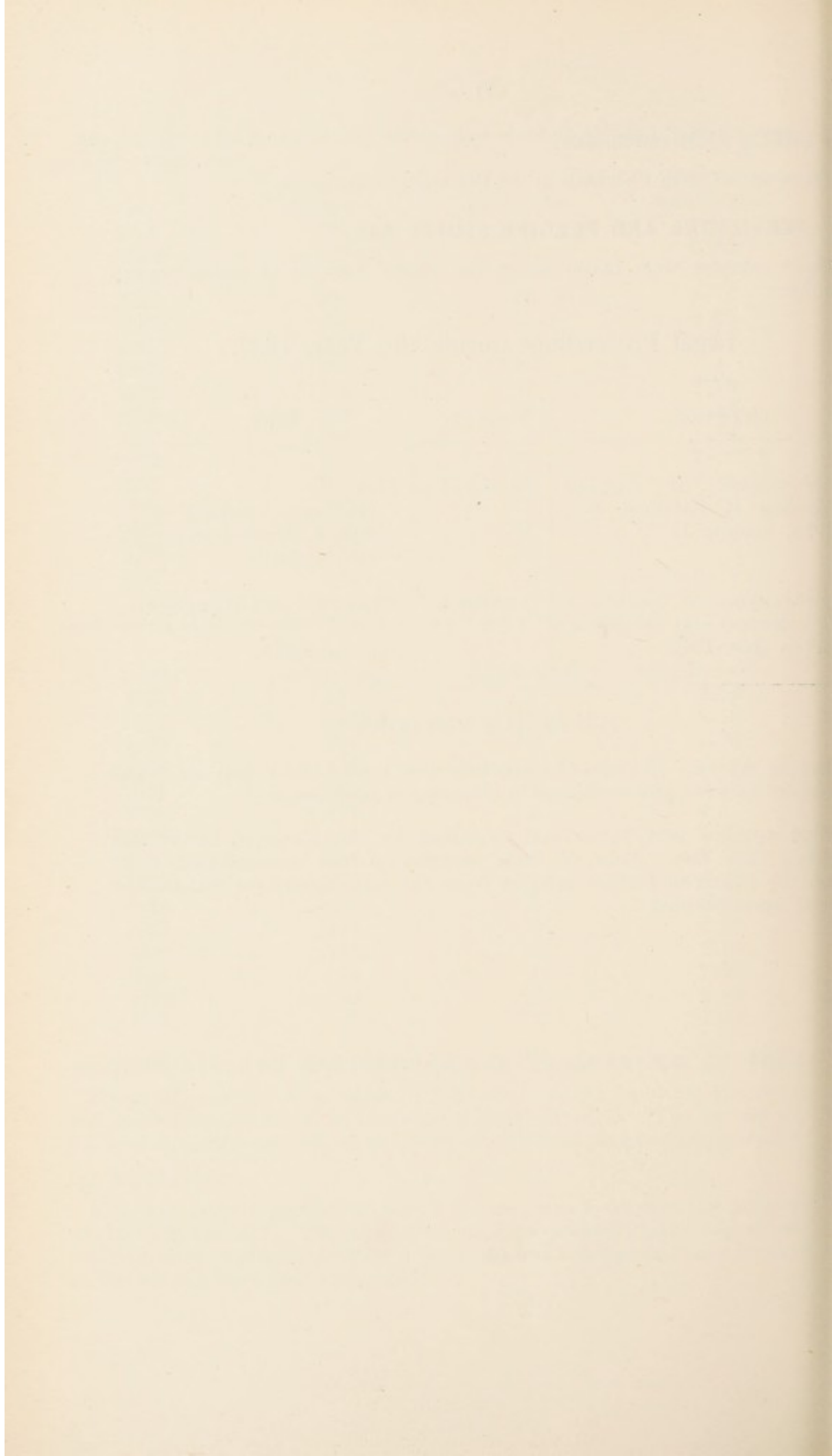
OFFENCE.	RESULT.	FINE.
Contravention of Sunday Trading Restrictions Act, 1936, Section 11.	Convicted.	Fine 20/-. (Decision reversed by King's Bench Division on case stated.)
Contravention of Section 1 (2 offences) and Section 4, Shops Act, 1912.	Convicted.	Fines 40/- and Witness Fee.

### ICE CREAM VENDORS.

During the year 45 visits of inspection were made, and it was not found necessary to serve any notices as to cleansing of premises, etc.

Nine samples were taken and examined by the Bacterial Count and Bacillus Coli Test. Four of these samples proved unsatisfactory, but upon the taking of further samples from the same producers satisfactory results were obtained.





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SECTION F.

Prevalence of, and Control over,  
Infectious and other Diseases.

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## SECTION F.

## Prevalence of, and Control over, Infectious and other Diseases.

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The total number of cases of infectious disease, excluding Tuberculosis, notified during 1937 was 822, as compared with 737 in 1936, and 1226 in 1935.

## Notifiable Infectious Disease.

**Smallpox.**

No case occurred.

**Public Vaccination.**

The following are the Public Vaccinators for the Borough :—

- (1) Dr. E. C. Dutton .. For Shaw Heath Institution, Cottage Homes and Stepping Hill Hospital.
- (2) Dr. J. W. Brooks .. „ No. 1 District.
- (3) Dr. R. M. Wilson .. „ No. 2 District.
- (4) Dr. F. Chadwick .. „ No. 3 District.

A re-arrangement of the Vaccination Districts was put into effect during the year. The Vaccination Districts now coincide with the Districts of the Registrars of Births and Deaths.

The following table shows the number of successful vaccinations carried out by the Public Vaccinators during the period 1st October, 1936, to 30th September, 1937.

# NOTIFIABLE DISEASES DURING THE YEAR 1937.

DISEASE.	Total cases notified.	At Ages—Years.												Cases admitted to Fever Hospital.	Cases treated in Sanatoria, etc.	Total Deaths.	Deaths at age periods.														
		—1	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65	65 & upw'ds.				—1	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65	65 & upw'ds.			
Smallpox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever .....	278	..	2	12	28	27	116	58	12	19	1	3	..	193	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria.....	292	3	7	7	13	17	111	87	21	18	3	4	1	286	..	5	..	1	..	2	..	1	..	..	..	..	..	..	..	..	1
Enteric Fever.....	2	..	..	..	..	..	1	..	1	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever.....	1	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal Fever.....	7	..	..	..	..	..	..	..	..	6	1	..	..	..	5	3	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..
Puerperal Pyrexia .....	39	..	..	..	..	..	..	..	1	34	4	..	..	..	25	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Erysipelas.....	60	..	..	..	..	1	1	2	1	8	14	22	11	†31	2	2	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..
Pneumonia :																															
Acute Primary.....	90	4	..	2	1	1	11	2	7	22	12	20	8	..	46	23	1	..	..	..	..	1	..	2	4	3	7	5	..	..	..
Acute Influenzal.....	41	1	..	..	..	..	1	..	2	9	12	11	5	..	18	10	..	..	..	..	..	..	..	..	2	4	4	..	..	..	..
Malaria.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dysentery.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ophthalmia Neonatorum.	7	7	..	..	..	..	..	..	..	..	..	..	..	..	*4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Encephalitis Lethargica...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acute Polio-Encephalitis.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cerebro-spinal Meningitis.	5	2	1	..	..	1	..	..	..	..	..	1	..	4	1	2	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Acute Poliomyelitis.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total...	822	17	10	21	42	47	241	149	45	117	47	61	25	517	101	46	2	1	..	2	..	2	..	2	..	2	9	9	12	7	7

\* Including 1 case treated at Manchester Eye Hospital.  
† Including 1 Case treated at Hyde Hospital.





RETURN showing the Numbers of Persons successfully vaccinated and re-vaccinated at the cost of the rates by the Medical Officers of the Poor Law Institutions and the Public Vaccinators during the Year ended 30th September, 1937.

Name of the Poor Law Institution or Vaccination District.	Name of the Medical Officer or Public Vaccinator.	Numbers of Successful Primary Vaccinations of Persons :—			Number of Successful Re-vaccinations, <i>i.e.</i> , successful vaccinations of persons who had been successfully vaccinated at some previous time.	OBSERVATIONS.
		Under one year of age.	One year and upwards.	Total.		
Shaw Heath Institution and Cottage Homes.....	Dr. E. C. Dutton.....	..	..	..	..	
Stepping Hill Hospital.....	Dr. E. C. Dutton.....	1	1	2	..	
No. 1 District.....	Dr. R. M. Wilson.....	46	3	49	..	
No. 2 District.....	Dr. F. Chadwick.....	190	11	201	2	
No. 3 District.....	Dr. J. W. Brooks.....	53	6	62	..	
No. 4 District.....	Dr. R. Nightingale.....	43	1	44	..	
Totals.....	Totals.....	336	22	358	2	



### Vaccination Officers :

1st Jan. to 30th June 1937	Stockport First District	Miss M. E. THOMPSON, 240, Wellington Road South, Stockport.
As from 1st July, 1937	Stockport Second District	J. T. LOMAS, Esq., 78, Churchgate, Stockport.
	Stockport Third District	S. R. BROOME, Esq., 212, Manchester Road, Stockport.
	Heaton Norris District	W. C. TUNSTALL, Esq., 26, School Lane, Heaton Norris, Stockport.
	Stockport First District	S. R. BROOME, Esq.
	Stockport Second District	W. C. Tunstall, Esq.
	Stockport Third District	J. T. Lomas, Esq.

The work undertaken by the Vaccination Officers is summarised in the following table :—

### Return respecting the Vaccination of Children whose births were registered from 1st January to 31st December, 1936, inclusive.

Districts.	Number of Births returned in the "Birth List Sheets" as registered from 1st Jan., to 31st Dec., 1936	Number of these Births duly entered by 31st January, 1938, in Columns I., II., IV. and V. of the "Vaccination Register" (Birth List Sheets), viz. :						Number of these Births which on 31st January, 1938, remained un- entered in the "Vaccination Register" on account (as shown by "Report Book") of				Number of these Births remaining on 31st January, 1938, neither duly entered in the "Vaccination Register" (columns 3, 4, 5, 6 and 7 of this Return) nor temporarily accounted for in the "Report Book" (columns 8, 9 and 10 of this Return).	Total number of Certificates and copies of Certificates of Successful Primary Vaccination of Children under 14 received during the Calendar Year 1937.	Number of Statutory Declarations of Conscientious Objection actually received by the Vaccination Officer irrespective of the dates of birth of the children to which they relate, during the Calendar Year 1937.
		Col. I. Success-fully Vaccinated.	Col. II.		Col. IV. No. in re-spect of whom Statutory Declara-tions of Conscien-tious Objection have been received.	Col. V. Died Unvac-cinated.	Post-ponement by Medical Certificate.	Removal to Districts the Vaccination Officers of which have been duly appraised.	Removal to places to which cannot be reached, & Cases not hav-ing been found.					
			Insus-ceptible of Vac-cination.	Had Small-Pox.										
1	2	3	4	5	6	7	8	9	10	11	12	13		
1. STOCKPORT (FIRST) ..	1144	234	1	..	633	31	4	50	17	174	353*	484*		
2. " (SECOND)	391	87	..	..	252	22	9	10	6	5	{ 138* 31† 158* 44† 70* 48† }	{ 169* 118† 142* 194† 33* 90† }		
3. " (THIRD) ..	271	109	..	..	138	16	1	1	5	1				
4. HEATON NORRIS ....	128	64	1	..	51	5	1	4	2	..				
Total .....	1934	494	2	..	1074	74	15	65	30	180	842	1230		

The seasonal prevalence of these various diseases is indicated in the following table which shows the notifications received in the various months of the year 1937 :—

DISEASE.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Smallpox.....	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever.....	16	14	14	25	17	20	31	22	26	38	35	20	278
Diphtheria and Membranous Croup.	36	26	11	15	18	23	12	20	13	47	37	34	292
Typhoid Fever.....	..	..	..	..	..	..	2	..	..	..	..	..	2
Continued Fever.....	..	..	..	..	1	..	..	..	..	..	..	..	1
Puerperal Fever.....	1	..	..	..	1	2	..	..	2	1	..	..	7
Puerperal Pyrexia.....	4	4	..	2	2	..	5	5	6	4	4	3	39
Erysipelas.....	2	1	7	4	7	2	6	4	2	7	10	8	60
Ophthalmia Neonatorum.....	..	1	1	1	1	..	1	..	1	1	..	..	7
Encephalitis Lethargica.....	..	..	..	..	..	..	..	..	..	..	..	..	..
Acute Polio-Encephalitis.....	..	..	..	..	..	..	..	..	..	..	..	..	..
Cerebro-spinal Meningitis.....	1	..	..	2	..	..	..	1	..	..	1	..	5
Acute Poliomyelitis.....	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculosis—	..	..	..	..	..	..	..	..	..	..	..	..	..
Pulmonary.....	11	11	13	10	7	7	20	13	8	12	7	7	126
Other Forms.....	4	2	10	8	3	4	6	4	10	2	7	2	62
Malaria.....	..	..	..	..	..	..	..	..	..	..	..	..	..
Dysentery.....	..	..	..	..	..	..	..	..	..	..	..	..	..
Acute Primary Pneumonia.....	5	14	4	5	9	6	5	5	3	8	6	20	90
Acute Influenzal Pneumonia.....	14	14	4	7	1	..	..	..	..	..	1	..	41
Totals.....	94	87	64	79	67	64	88	74	71	120	108	94	1010



STOCKPORT CASES TREATED FROM 1918 TO 1937 INCLUSIVE, IN ISOLATION HOSPITALS.

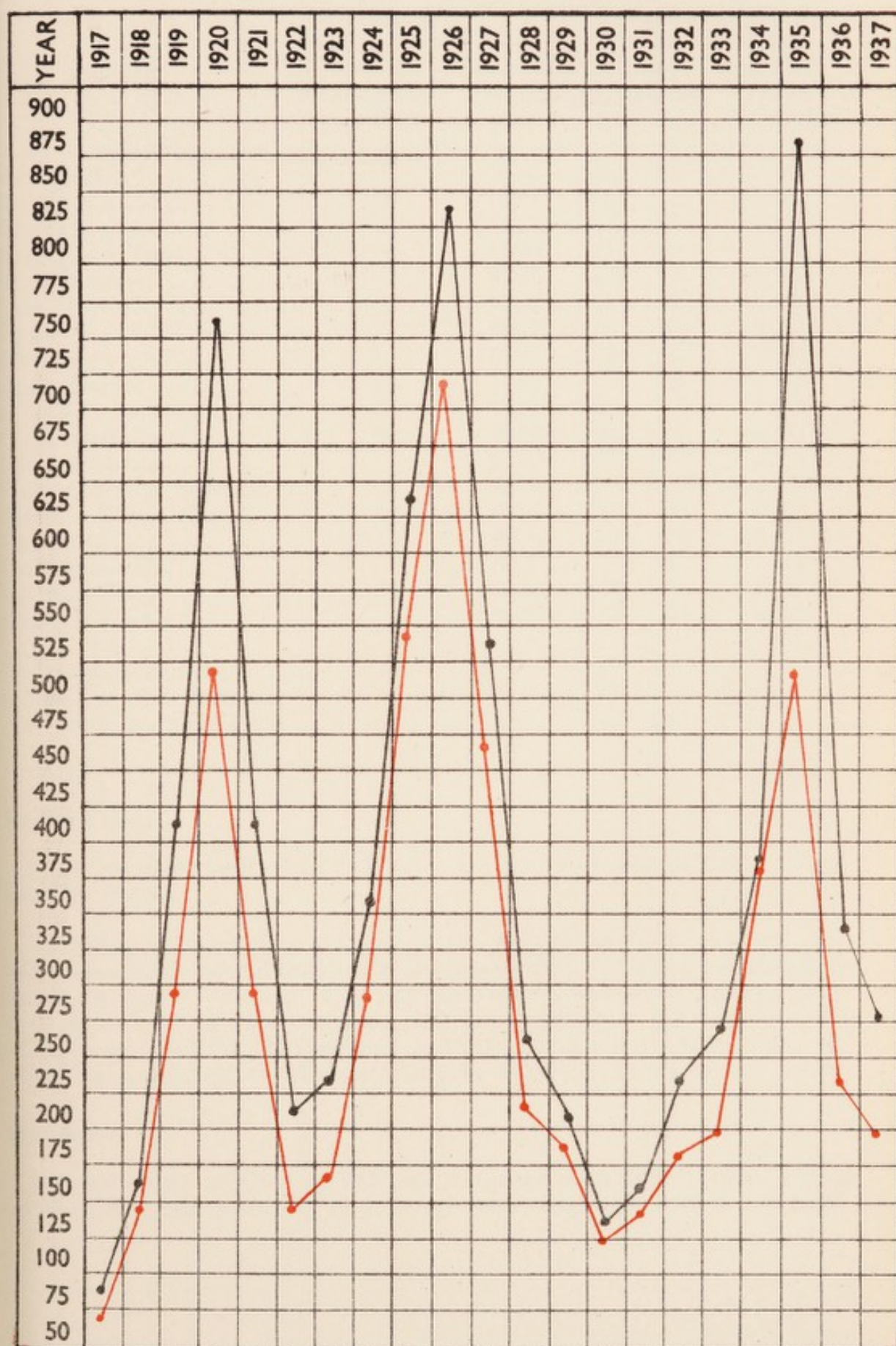
	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937
Smallpox.....	0	0	0	0	0	0	0	0	0	6	11	1	0	0	0	0	0	0	0	0
Scarlet Fever....	146	314	597	365	184	187	338	611	808	602	283	209	150	141	191	193	276	517	235	193
Enteric Fever....	17	11	3	2	5	1	4	1	2	5	6	1	3	3	3	0	3	2	3	2
Diphtheria.....	69	73	167	145	112	99	55	86	92	112	193	255	236	177	352	264	182	160	184	286
Other Notifiable Diseases.....	2	3	0	0	3	0	2	0	30	14	10	6	4	7	16	7	4	6	2	36
Totals.....	234	401	767	512	304	287	399	698	932	739	503	472	393	328	562	464	465	685	424	517

126 Cases of other Diseases and 80 Cases from other Authorities were treated during 1937.

Chart showing the number of cases of Scarlet Fever for the past 21 years.

No. of cases notified in black.

No. of cases removed to Hospital in red.







<i>Ward.</i>	<i>Number of cases of Scarlet Fever notified during the year 1937</i>	<i>Estimated Population.</i>	<i>Percentage of cases removed to Isolation Hospital.</i>	<i>Incidence of Scarlet Fever per 1,000 of the Population</i>
Portwood.....	17	6840	(15) 88	2.49
St. Mary's.....	19	6745	(14) 74	2.82
Vernon.....	8	7317	(7) 88	1.09
Hempshaw Lane.....	5	5790	(3) 60	0.86
St. Thomas's.....	8	6680	(6) 75	1.20
Cale Green.....	4	7750	(1) 25	0.52
Heaviley.....	17	8907	(10) 59	1.91
Davenport.....	19	8270	(10) 53	2.30
Shaw Heath.....	17	7712	(13) 76	2.20
Edgeley.....	13	7317	(10) 77	1.78
Hollywood.....	34	8430	(25) 74	4.03
Heaton Lane.....	17	6110	(14) 82	2.78
Heaton Norris South.....	8	7476	(—) ..	1.24
Heaton Norris North.....	16	6363	(11) 69	2.51
Old Road.....	18	6830	(13) 72	2.64
Lancashire Hill.....	9	6236	(7) 78	1.44
Reddish South.....	34	10338	(24) 71	3.29
Reddish North.....	8	8589	(3) 38	0.93
Stockport Infirmary....	2	..	(2) 100	..
Stepping Hill Hospital..	3	..	(3) 100	..
Offerton Industrial Sch..	2	..	(2) 100	..

### Scarlet Fever.

278 cases were notified in 1937, as compared with 340 in 1936. There were no deaths.

Following on the policy outlined in the Report for 1932, page 82, only those cases have been admitted to Hospital which could not be efficiently isolated at home. During 1937, 193 cases were admitted to Hospital, that is 69.4 per cent. of those notified, compared with 69.1 per cent. in 1936, 58.6 per cent. in 1935, 71.5 per cent. in 1934, and 70.9 per cent. in 1933. No additional spread of the disease whatever could be traced to this policy.

### Diphtheria.

292 cases were notified in 1937, as compared with 192 in 1936, with 4 deaths and a case mortality of 1.37 per cent., compared with 3.6 in 1936.



The following table shows the incidence of the disease in Stockport, together with the death rate, for the last ten years :—

<i>Year.</i>	<i>Number of Cases.</i>	<i>Number of Deaths.</i>	<i>Case Mortality Rate (deaths per 100 cases).</i>	<i>Death Rate (Stockport). per 1,000 population</i>	<i>Death Rate (England and Wales). per 1,000 population</i>
1928	189	5	2.6	0.04	0.081
1929	250	6	2.4	0.05	0.087
1930	234	12	5.1	0.09	0.088
1931	185	15	8.1	0.12	0.067
1932	331	22	7.9	0.17	0.060
1933	269	18	6.7	0.14	0.060
1934	192	4	2.1	0.03	0.100
1935	162	9	5.5	0.07	0.080
1936	192	7	3.6	0.05	0.070
1937	292	4	1.37	0.03	0.070

### Prevention of Diphtheria.

The ease of preventing children getting this disease by means of three harmless injections is discussed in detail in the Report for 1932, pages 84 and 85.

The following tabular statement shows the number of children schick tested and immunised during 1937 :—

	<i>Number of Children Anterior Schick Tested</i>		<i>Number of Children Immunised.</i>	<i>Number of Children Posterior Schick Tested.</i>	
	<i>Negative.</i>	<i>Positive.</i>		<i>Negative.</i>	<i>Positive.</i>
Isolation Hospital...	24	26	54	45	2
Welfare Centres.....	—	—	260	223	5
Stockport Infirmary.	—	—	—	—	—
Barnes Home Industrial School.....	46	20	20	20	—
Offerton Industrial School.....	22	4	4	4	—
School Clinic.....	—	—	100	97	—
"Strathelyde" Children's Home.....	3	4	19	15	1
General Practitioners	2	1	58	10	—
Totals.....	97	55	515	414	8

It will be observed that 515 children were immunised, and during the same period 1890 were born. It is desirable that at least 50 per cent. of the population at risk, that is of the children born each year, should be immunised each year, so that infection, when it comes, may fall on barren ground, and therefore may lose its power of re-infection. We should aim at immunising each year, at least, 800 to 900 children.

<i>Ward.</i>	<i>Number of cases of Diphtheria notified during the year 1937.</i>	<i>Estimated Popula- tion.</i>	<i>Percentage of cases removed to Isolation Hospital.</i>	<i>Incidence of Diphtheria per 1,000 of the Population</i>
Portwood.....	25	6840	(25) 100	3.66
St. Mary's.....	25	6745	(25) 100	3.71
Vernon.....	21	7317	(21) 100	2.87
Hempshaw Lane.....	10	5790	(10) 100	1.73
St. Thomas's.....	22	6680	(22) 100	3.29
Cale Green.....	15	7750	(15) 100	1.94
Heaviley.....	11	8907	(10) 91	1.23
Davenport.....	10	8270	(10) 100	1.21
Shaw Heath.....	9	7712	(9) 100	1.17
Edgeley.....	10	7317	(10) 100	1.37
Hollywood.....	23	8430	(23) 100	2.73
Heaton Lane.....	19	6110	(18) 95	3.11
Heaton Norris South.....	9	7476	(9) 100	1.20
Heaton Norris North.....	5	6363	(4) 80	0.79
Old Road.....	10	6830	(10) 100	1.46
Lancashire Hill.....	16	6236	(16) 100	2.57
Reddish South.....	10	10338	(9) 90	0.97
Reddish North.....	11	8589	(9) 82	1.28
Stockport Infirmary.....	12	..	(12) 100	..
Stepping Hill Hospital.....	9	..	(9) 100	..
"Strathclyde" Children's Home .....	9	..	(9) 100	..
"Mount Vernon" Children's Home .....	1	..	(1) 100	..

### **Puerperal Pyrexia and Fever.**

During the year, 39 notifications of Puerperal Pyrexia and 7 notifications of Puerperal Fever were received. Full details of these cases are given in the section of this Report dealing with Maternity and Child Welfare (see page 104).

### **Ophthalmia Neonatorum.**

Seven cases of this disease were notified during the year as compared with 12 cases in 1936.

### **Erysipelas.**

Sixty cases were notified during the year as compared with 48 in 1936. Of these cases 33 received institutional treatment, and there were two fatal cases.



### **Pneumonia.**

Two forms of Pneumonia are compulsorily notifiable to the Medical Officer of Health.

- (1) Acute Primary Pneumonia—Number of cases notified during 1937—90. (76 in 1936).
- (2) Acute Influenzal Pneumonia—Number of cases notified during 1937—41. (20 in 1936).

Of these cases, 23 Acute Primary Pneumonia and 10 of Acute Influenzal Pneumonia proved fatal. (26 and 11 respectively in 1936.)

### **Malaria and Dysentery.**

No case of Malaria or Dysentery was notified during 1937.

### **Tuberculosis.** (*See special section*).

During 1937, 126 cases of Pulmonary Tuberculosis were notified; of these 65 were males and 60 females.

Sixty-two cases of other forms of Tuberculosis were notified during the same period, 38 males and 24 females.

### **Encephalitis Lethargica.**

No case of this disease was notified as compared with one in 1936.

### **Cerebro-Spinal Meningitis.**

Five cases of this disease were notified during 1937, four of which were removed to the Isolation Hospital for treatment, where two proved fatal. The other case was treated at the Stepping Hill Hospital and recovered.

### **Acute Poliomyelitis.**

There were no cases of this disease notified during 1937.

### **Measles and Whooping Cough.**

These diseases are not notifiable in the strict sense of the word, but the Health Department is informed of cases occurring in the schools, and in this way during 1937, 109 cases of Measles, 191 cases of German Measles, 35 of Whooping Cough and 176 of Chicken Pox were so notified.

Two deaths from Measles and none from Whooping Cough occurred among children under school age.

### **Bacteriological Examinations.**

The routine Bacteriological work is carried out at the Stockport Infirmary Pathological Department, under arrangements made by your Health Committee with the Infirmary Board, and at the Public Health Laboratory York Place, Manchester.

The results of the examinations carried out at the Stockport Infirmary during the year were as follow :—

	<i>Positive.</i>	<i>Total.</i>
Diphtheria.....	622 ..	3892
Typhoid.....	— ..	—
Other Bacteriological Examinations :—		
Swabs.....	1 ..	8
Urine.....	— ..	4
Faeces.....	— ..	5
Widal Test.....	— ..	11
Pus.....	— ..	1
Blood.....	— ..	6
C.S. Fluid.....	— ..	10

During the year the following specimens were examined at the Public Health Laboratory, York Place, Manchester :—

	<i>Positive.</i>	<i>Total.</i>
Swab (Diphtheria).....	53 ..	341
Diphtheria Virulence Tests.....	— ..	32
Typhoid.....	— ..	26
Bovine Tuberculosis in Milk .....	15 ..	117
Tuberculosis (Inoculation).....	— ..	18
Sputa (T.B.).....	1 ..	3
Water (Bacteriological and Chemical)	— ..	2
Cerebro-Spinal Fluid.....	— ..	24
Milk (Bacterial Count and Coli)....	— ..	15
Milk (Microscopical Examination)..	— ..	6
Milk (Methylene Blue Reaction)	— ..	109
Ice Cream (Bacterial Count and B Coli).....	— ..	9
Other.....	— ..	2
	<hr/> 69 ..	<hr/> 704

The examination of sputa in suspected cases of phthisis is carried out at the Tuberculosis Dispensary, Great Egerton Street, 710 examinations being carried out there during 1937, of which 187 were positive and 523 negative.

Particulars of the examination of Pathological Material in connection with Venereal Disease, which is mainly carried out at the Public Health Laboratory, Manchester, are given on page 96.

### **Disinfection.**

Disinfection of premises after infectious disease is carried out by the Staff of your Health Department.

Infected materials, bedding, etc., are removed to the Isolation Hospital for disinfection.



During the year 24,232 articles were thus disinfected.

See Report for 1930 for details of arrangements under this heading.

Modern ideas on disinfection are crystallizing more and more to the view that disinfection is of doubtful value, particularly after Scarlet Fever. Evidence is accumulating that the ordinary type of infectious disease is spread practically entirely by the spray of mucus and saliva from the nose and throat of the sufferer, and not to any great extent by "fomites," i.e., clothes, etc., with which the patient has been in contact. Of course, the above statement is only meant to be a generalisation, as there is no doubt that in certain diseases, for example Typhoid Fever, very careful disinfection is absolutely necessary. But it is probable that a good deal of the work that is done for disinfection for and after a case of Scarlet Fever will shortly be dispensed with.

## CANCER.

### *Introduction.*

Cancer is one of the chief killing diseases, and ranks only second to diseases of the circulatory system as one of the main causes of death. Death by Cancer is limited chiefly to persons over 35 years of age, and affects females more than males.

It will be observed from the following table that even having regard to the increase in population and to the change in the age and sex constitution of the population, the number of deaths from Cancer has remained practically stationary during the last 10 years :—

DEATHS FROM CANCER DURING THE PAST 10 YEARS.

<i>Year.</i>	<i>Population.</i>		<i>M.</i>	<i>F.</i>		<i>Total.</i>	<i>Death Rate per 1,000 of Population.</i>
1927.....	125200	..	90	108	..	198	.. 1.58
1928.....	127600	..	92	129	..	221	.. 1.73
1929.....	127800	..	90	115	..	205	.. 1.60
1930.....	127800	..	92	114	..	206	.. 1.61
1931.....	126600	..	99	112	..	211	.. 1.67
1932.....	126800	..	96	119	..	215	.. 1.70
1933.....	127000	..	104	132	..	236	.. 1.86
1934.....	128050	..	112	132	..	244	.. 1.91
1935.....	130600	..	105	116	..	221	.. 1.69
1936.....	131807	..	88	121	..	209	.. 1.59
1937.....	133700	..	100	134	..	234	.. 1.75
Yearly Average for period	128776	..	97.8	122.4	..	220.2	.. 1.71

Much research and investigation have taken place during the last few years into the cause and methods of treatment of Cancer. The chief facts which have emerged from this work are the importance of early diagnosis and the extremely gratifying results obtained from surgical operation, when this has been performed at the earliest possible moment. In addition, satisfactory results have been obtained from treatment by radium and deep X-ray therapy.

It is important that the public should be aware of these facts, and also of the facilities which are available for the diagnosis and treatment of Cancer.

*Facilities available for the Diagnosis and Treatment of Cancer.*

An arrangement exists between the Stockport Corporation and the Christie Hospital, and Holt Radium Institute, Manchester, whereby Stockport cases requiring advice or radiation treatment are referred by the Medical Staffs at the Hospitals and the General Practitioners in the town to the Christie Hospital.

The following tables show the number of new Stockport cases dealt with at the under-mentioned Institutions during 1937 :—

**CHRISTIE HOSPITAL AND HOLT RADIUM INSTITUTE.**

**STOCKPORT CASES DEALT WITH DURING 1937.**

Site.	Referred by			Examined and treated by Radium X-Ray Surgery or Combined Techniques.	Examined here but not treated (unsuitability or advancement).	Discharged to own home.	Referred back to		died shortly after treatment.	Still in Christie Hospital 31-12-37.
	own Doctor or Consultant.	Stepping Hill Hospital.	Stockport Infirmary.				Stepping Hill Hospital.	Stockport Infirmary		
Uterus .....	1	7	1	7	2	7	1	..	..	1
Mouth.....	11	..	3	14	..	11	..	..	3	..
Breast.....	10	..	3	10	3	8	..	3	2	..
Skin.....	17	1	5	23	..	22	..	..	1	..
Lip.....	..	..	..	..	..	..	..	..	..	..
Pharynx.....	..	1	..	..	1	..	1	..	..	..
Bladder.....	1	1	..	2	..	1	1	..	..	..
Rectum.....	..	..	..	..	..	..	..	..	..	..
Other Sites..	7	4	12	17	6	13	4	2	1	3
Totals.....	47	14	24	73	12	62	7	5	7	4
Grand Totals.	85			85		85				



## STOCKPORT INFIRMARY.

New cases dealt with during 1937.

<i>Sites.</i>	<i>Total Cases*</i>	<i>Males. Females.</i>		<i>Transferred to Christie Hospital.</i>	
				<i>M.</i>	<i>F.</i>
Uterus. ....	12	—	12	—	—
Tongue and Mouth.	—	—	—	—	—
Breast.....	11	1	10	—	—
Lip.....	—	—	—	—	—
Skin.....	—	—	—	—	—
Larynx.....	6	6	—	2	—
Bladder.....	14	14	—	—	—
Rectum. ....	3	2	1	—	—
Other Sites... ..	13	7	6	2	—
Total.....	59	30	29	4	—

*\*In-patients only in above figures. A number of Out-patients were referred to Christie Hospital, but no record available.*

Arrangements exist between the Stockport Infirmary and the Christie Hospital and Holt Radium Institute whereby radium required by the Gynaecologist for the treatment of patients in the Stockport Infirmary is loaned for the purpose, and no difficulty has been experienced in obtaining the necessary supplies of radium required.

In addition, the Radium Institute is also prepared to collaborate with the Medical Staff of the Stockport Infirmary in the radiation treatment of patients treated at the Stockport Infirmary, but during 1937 it was not found necessary to take advantage of this service.

## STEPPING HILL HOSPITAL.

Cases dealt with during 1937.

<i>Sites.</i>	<i>Total Cases.</i>	<i>Males. Females.</i>		<i>Referred to Christie Hospital</i>	
				<i>M.</i>	<i>F.</i>
Uterus.....	25	—	25	—	15
Tongue and Mouth.	4	4	—	4	—
Breast.....	10	—	10	—	—
Lip.....	—	—	—	—	—
Skin.....	3	3	—	—	—
Larynx.....	1	1	—	—	—
Bladder.....	2	2	—	—	—
Rectum. ....	10	8	2	1	—
Other Sites... ..	78	35	43	5	8
Total.....	133	53	80	10	23

## DEATHS FROM CANCER, YEAR 1937.

CAUSE OF DEATH.	SEX.		-1	-2	-3	-4	-5	-10	-15	-20	-25	-35	-45	-55	-65	-75	75—
	M.	F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.
CANCER.																	
Buccal Cavity and Pharynx.....	5	4	..	...	...	...	...	...	...	1	...	...	...	1	...	2 3 1..	1
Digestive Organs and Peritoneum.....	60	71	..	...	...	...	...	...	...	...	...	1	3	2 5	9 14	18 26	28 11 14
Respiratory Organs...	12	6	..	...	...	...	...	...	...	...	...	1	1	2	4 3	1 4	1 1 ..
Uterus.....	..	14	..	...	...	...	...	...	...	...	...	...	2..	3..	5..	2..	2
Other Female Genital Organs.....	..	10	..	...	...	...	...	...	...	...	...	...	...	3..	4..	3..	..
Breast.....	..	23	..	...	...	...	...	...	...	...	...	...	2..	3..	6..	9..	3
Male Genito-Urinary Organs.....	12	..	..	...	...	...	...	...	...	1	...	...	1	1	6 ..	1 ..	2 ..
Skin.....	1	1	..	...	...	...	...	...	...	...	...	...	...	...	...	1 ..	1
Other or Unspecified Organs.....	10	5	..	...	...	...	...	...	...	...	...	...	...	2	1 4	2 3	2 1 ..
TOTALS	100	134	..	...	...	...	...	...	...	2	...	2	5	6 11	23 27	38 38	46 15 21



**DEATHS FROM CANCER, YEAR 1937.**  
**STATEMENT SHOWING CLASSIFICATION OF DEATHS AND WHERE OCCURRING.**

<i>Cause of Death.</i>	<i>Deaths Occurring in Stockport.</i>					<i>Deaths Occurring Outside Stockport</i>			<i>Totals</i>
	<i>Stepping Hill Hospital</i>	<i>Stockport Infirmary</i>	<i>Shaw H<sup>th</sup> Institution</i>	<i>Nursing Home</i>	<i>Home of Patient</i>	<i>Christie Hospital, Manchester</i>	<i>Royal Infirmary, Manchester</i>	<i>Other</i>	
CANCER.									
Buccal Cavity and Pharynx.....	2	2	..	..	4	1	..	..	9
Digestive Organs and Peritoneum.	37	5	1	..	84	..	2	2	131
Respiratory Organs.....	2	1	..	..	14	1	..	..	18
Uterus.....	5	..	..	..	8	..	..	1	14
Other Female Genital Organs...	3	2	..	..	4	..	..	1	10
Breast.....	4	..	..	..	16	1	..	2	23
Male Genito-Urinary Organs....	3	..	1	..	5	1	..	2	12
Skin.....	..	..	..	..	2	..	..	..	2
Other or Unspecified Organs....	2	2	..	..	9	1	1	..	15
TOTALS	58	12	2	..	146	5	3	8	234

## WELFARE OF THE BLIND.

The duties of the Council under the Blind Persons Acts, 1920 and 1938, are largely administered by the Institute for the Blind in accordance with a Scheme and Regulations which were approved by the Minister of Health on the 18th day of April, 1933.

### Registration.

There are 229 registered blind persons within the County Borough, as compared with 224 at 31st March, 1937.

The increase arises in the following manner :—

Sixteen new cases have been certified and registered ; 4 cases have been transferred to Stockport, and there have been 10 deaths, and 5 cases transferred from Stockport.

They are grouped in age period, as follows :—

	<i>Males.</i>		<i>Females.</i>		<i>Total.</i>
5 to 16.....	4	..	6	..	10
16 to 21.....	6	..	6	..	12
21 to 40.....	18	..	7	..	25
40 to 50.....	12	..	9	..	21
50 to 65.....	28	..	28	..	56
65 to 70.....	9	..	21	..	30
70 and over..	23	..	52	..	75
	<hr/> 100	..	<hr/> 129	..	<hr/> 229

### Employment and Instruction.

Twenty-one workers are employed at the Institute, 14 of whom are blind, 4 partially blind, and 3 deaf and dumb.

The registered blind are assisted and supervised by a Home Teacher, devoting the whole of her time to the work.

During the past year the Home Teacher has made 993 visits to the homes of the blind, and has disbursed some of the weekly money payments to necessitous cases unable to attend at the Institute.

In the year ended 31st March, 1938, the Council paid grants to blind persons amounting to £5,356, the amounts of individual grant varying from 1/6 to 27/6 weekly.

A male worker in the Institute, whose wages plus augmentation and grant do not exceed 40/- per week, receives a special grant of 5/- per week ; a female worker, whose wages, etc., do not exceed 30/- per week, receives a special grant of 2/6 per week.

### Prevention of Blindness.

In August, 1937, the Ministry of Health issued Circular 1621, drawing the attention of the Council to the importance of taking steps to prevent blindness and impaired eye-sight. It is satisfactory to note that most of the points dealt with had already been receiving adequate attention locally, and further consideration is being given to the suggestion made in the Circular to adopt a formal Scheme for the Prevention of Blindness,



## ISOLATION HOSPITAL.

By A. R. M. MOIR, M.B., Ch.B., D.P.H.

There has been no change in the accommodation provided at the Isolation Hospital at Dialstone Lane, namely 78 beds. This allocation allows the beds to be kept eight feet apart, a distance that has been found by practice to minimise the risk of spread of infection.

Difficulty has been experienced for some considerable time with regard to the accommodation for Nursing and Domestic Staff, and the present accommodation is taxed to its utmost.

As foreshadowed in last year's Report, commencing in October, the Hospital is now approved by the General Nursing Council as a Training School for Nurses. This should prove a great asset in the future staffing of the Hospital.

Continuing the policy of the last few years, many alterations have been carried out to keep the Hospital completely up to date.

The following table sets forth the statistics of the work of the Hospital, and the results of treatment during 1937 :—

<i>Name of Disease.</i>	<i>In Hospital 1st Jan., 1937.</i>	<i>Admitted.</i>	<i>Recovered and Discharged</i>	<i>Died.</i>	<i>In Hospital 31st Dec., 1937.</i>
Scarlet Fever....	13	227	222	..	18
Diphtheria.....	50	367	364	9	44
Erysipelas.....	..	36	33	2	1
Abortus Fever..	..	1	1	..	..
Measles.....	..	12	10	2	..
Rubella.....	..	5	5	..	..
Whooping Cough	..	5	4	..	1
Typhoid.....	..	3	3	..	..
Meningitis.....	1	11	6	6	..
Chicken Pox....	..	23	17	1	5
Pemphigus .....	..	32	26	5	1
Dysentery.....	..	1	1	..	..
Totals.....	64	723	692	25	70

Included in the above figures are 80 cases belonging to other Authorities.

### Diphtheria.

367 cases were admitted to the Diphtheria Wards during 1937, and there were 50 cases remaining in Hospital on the 1st of January, 1937, who had been admitted in 1936; a gross total of 417. 44 patients remained in Hospital on the 31st December, 1937. The actual number of cases coming under review is 373.

After admission to Hospital and revisal of diagnosis the following table classifies the analysis :—

<i>Disease.</i>	<i>Number.</i>	<i>Deaths.</i>
Diphtheria.....	290 ..	7
Carriers.....	50 ..	1*
Tonsillitis.....	26 ..	..
Rheumatism.....	1 ..	..
Scarlet Fever.....	2 ..	..
Laryngitis.....	2 ..	..
Stomatitis.....	1 ..	..
Mediastinal Abscess.....	1 ..	1

\*This death occurred in a carrier suffering from Empyema and Marasmus.

There were 7 deaths in 290 cases of Diphtheria, giving a mortality rate of 2.5 per cent.

According to the Clinical classification of the diseases recommended in the London County Council Report on Diphtheria, various types occurred as follows :—

(1) Nasal.....	12
(2) Laryngeal.....	7
(3) Faucial.....	230
(4) Naso-pharyngeal.....	40
(5) Non-respiratory.....	1

The average length of stay of cases treated was 35 days.

### Operative Treatment.

For persistent carriers operative treatment has to be resorted to ; 6 cases required dental extraction and 5 cases the removal of tonsils and adenoids.

Tracheotomy was performed on two cases of Laryngeal Diphtheria.

### Complications.

(1) Cardiac.....	14
(2) Otorrhoea.....	4
(3) Paralysis... (a) Palatal.....	17
(b) Peripheral.....	5
(4) Septic Adenitis.....	1
(5) Appendicectomy.....	3
(6) Burns of Abdomen.....	1
(7) Marasmus and Empyema.....	1
(8) Chorea.....	2
(9) Bronchitis.....	1
(10) Paraphimosis.....	1
(11) Hypopean Ulcer.....	1
(12) Hodgkin's Disease.....	1
(13) Concurrent Infection.....	3

Developed Scarlet Fever

*Treatment.*

During the year the Serum Treatment of Diphtheria has been carried out as in the previous year, following fairly closely the dosage recommended by the London County Council Medical Superintendent's Report.



### Scarlet Fever.

227 cases were admitted as Scarlet Fever during 1937, and there were 13 remaining in Hospital on the 1st January, 1937, who had been admitted in 1936. As 18 cases remained in Hospital on the 31st December, 1937, the actual number of cases coming under review is 222.

After admission to Hospital and revisal of diagnosis, the following table classifies the analysis :—

<i>Disease.</i>	<i>Number.</i>	<i>Deaths.</i>
Scarlet Fever.....	191	—
Diphtheria.....	1	—
Impetigo.....	1	—
Chicken Pox.....	1	—
Food Rash.....	1	—
Chill.....	1	—
Skin Allergy.....	1	—
Measles.....	1	—
Rubella.....	10	—
Tonsillitis.....	13	—
Drug Rash.....	1	—

There were no deaths from Scarlet Fever. The average length of stay of patients treated was 25 days.

### *Complications.*

(1) Otitis Media	(a) Acute.....	8
	(b) Chronic.....	3
(2) Cardiac	(a) On Admission.....	4
	(b) In Hospital.....	5
(3) Albuminuria.....		4
(4) Minor Sepsis.....		3
(5) Impetigo.....		1
(6) Mesenteric Cyst.....		1
(7) Chicken Pox.....		1
(8) Rheumatism.....		1
(9) Alveolar Abscess.....		2
(10) Focal Nephritis.....		1
(11) Abscess of Buttock.....		1
(12) Fractured Skull.....		1

### *Immunisation against Diphtheria.*

54 cases were immunised against Diphtheria while in Hospital after obtaining parental consent.

### *Operative Treatment.*

Dental Extraction was performed in both cases of Alveolar Abscess.

**Pemphigus.**

During the year 32 cases were admitted, 1 remained in Hospital 31st December, 1937, and after revisal of diagnosis, 2 were regarded as Dermatitis, 1 as Chicken Pox, and 1 as Excoriation of Leg.

There were 5 deaths, 1 complicated by Spina Bifida.

The average stay in Hospital was 32 days.

**Rubella.**

During the year 5 cases were admitted. The diagnosis of one was revised to that of Alveolar Abscess and discharged after 2 days.

The average stay in Hospital was 12 days.

**Measles.**

During the year 12 cases were admitted. Most of them were complicated by Secondary Pulmonary Infection. There were 2 deaths.

The average stay in Hospital was 16 days.

**Typhoid.**

During the year 3 cases were treated. There were no deaths in this series, and the average stay in Hospital was 54 days.

**Abortus Fever.**

During the year one case was treated, which recovered, and was discharged after 16 days in Hospital.

**Meningitis.**

Four cases of Tubercular Meningitis were treated during the year. There were no recoveries, and the average day on which death occurred in Hospital was the 11th after admission.

Five cases of Meningococcal Meningitis were treated during the year. One died after 12 hours in Hospital, and another after 7 days.

The average stay in Hospital of patients that recovered was 44 days. There was 1 case of serous Meningitis treated during the year, which was discharged after 12 days in Hospital.

There were 2 other cases admitted as Meningitis, which subsequently proved to be suffering from Constipation, and Acidosis, and were discharged after 11 and 9 days in Hospital respectively.

**Whooping Cough.**

During the year 5 cases of Whooping Cough were admitted, one remaining in Hospital on 31st December, 1937. There were no deaths, and the average length of stay in Hospital was 23 days.



**Chicken Pox.**

During the year 23 cases were admitted, 5 remaining in Hospital 31st December, 1937. 17 cases recovered, and there was 1 death due to Broncho-Pneumonia, in an emaciated child, aged 6 months.

Mastoidectomy was performed in 1 case.

The average stay in Hospital was 18 days.

**Dysentery.**

There was 1 case treated during the year, which was proved to be a Mucous Colitis, and was discharged after 25 days in Hospital.

**Erysipelas.**

During the year 36 cases were admitted, and 1 remaining in Hospital 31st December, 1937. There were 2 deaths in this series of cases. One was due to Carbuncle of Face with Cavernous Sinus Thrombosis. Another case proved to be Severe Cellulitis of Hand and Arm.

The average length of stay of cases was 11 days, and the mortality rate 5 per cent.

**Staff Immunisation.**

During the year 22 members of the Staff were tested for susceptibility to Scarlet Fever and Diphtheria. 21 were protected against Diphtheria and 1 against Scarlet Fever.

Twelve members of the Staff were Immunised against Typhoid and Paratyphoid infections.

**Bacteriology.**

<i>Type of Examination.</i>	<i>Number.</i>
Throat Swabs.....	2125
Virulence Tests.....	26
Examination of Faeces and Urine.....	18
Agglutination Reaction .....	6
Cerebrospinal Fluid.....	7
Blood Count.....	2
Examination of Pus .....	7

**Pathology.**

Three Autopsies were performed during the year.

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SECTION G.  
Tuberculosis.

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## TUBERCULOSIS SCHEME. RETURN FOR THE YEAR 1937.

## (A) Return showing the work of the Dispensary.

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..	67	61	4	5	10	9	11	8	77	70	15	13	175
(b) Diagnosis not completed	..	..	..	..	..	..	..	..	4	5	1	3	13
(c) Non-tuberculous.....	..	..	..	..	..	..	..	..	85	65	70	70	290
B.—Contacts examined during the year :—													
(a) Definitely tuberculous..	..	1	..	..	..	..	..	1	..	1	..	1	2
(b) Diagnosis not completed	..	..	..	..	..	..	..	..	..	..	..	..	..
(c) Non-tuberculous.....	..	..	..	..	..	..	..	..	37	62	50	47	196
C.—Cases written off the Dispensary Register as :—													
(a) Recovered.....	10	6	5	2	1	4	8	4	11	10	13	6	40
(b) Non-tuberculous (including any such cases previously diagnosed and entered on the Dispensary Register as tuberculous) .....	..	..	..	..	..	..	..	..	170	178	151	149	648
D.—Number of Cases on Dispensary Register on December 31st :—													
(a) Definitely tuberculous..	243	217	35	37	40	53	74	78	283	270	109	115	777
(b) Diagnosis not completed	..	..	..	..	..	..	..	..	4	5	1	3	13

1. Number of cases on Dispensary Register on January 1st..... 924
2. Number of cases transferred from other areas and cases returned after discharge under Head 3 in previous years..... 12
3. Number of cases transferred to other areas, cases not desiring further assistance under the scheme, and cases "lost sight of"..... 41
4. Cases written off during the year as Dead (all causes)..... 93
5. Number of attendances at the Dispensary (including Contacts)..... 3725
6. Number of Insured Persons under Domiciliary Treatment on the 31st December..... 97
7. Number of consultations with medical practitioners :—
  - (a) Personal.. 22
  - (b) Other..... 266
8. Number of visits by Tuberculosis Officers to homes (including personal consultations)..... 89
9. Number of visits by Nurses or Health Visitors to homes for Dispensary purposes..... 2712
10. Number of :—
  - (a) Specimens of sputum, etc., examined..... \*710
  - (b) X-ray examinations made in connexion with Dispensary work... 338
11. Number of "Recovered" cases restored to Dispensary Register, and included in A (a) and A (b) above..... Nil
12. Number of "T.B. plus" cases on Dispensary Register on December 31st.. 230

\* Including all cases.

(B) Number of Dispensaries for the treatment of Tuberculosis (excluding centres used only for special forms of treatment).

Provided by the Council :—One.

Provided by Voluntary Bodies :—Nil.

(C) 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.	
Whitehill Hospital.....	26	..	..	..	26
Poor Law Institution :—					
Stepping Hill Hospital.....	59	3	..	..	62

(D) Return showing the extent of Residential Treatment and Observation during the year in Institutions (other than Poor Law Institutions) approved for the treatment of Tuberculosis.

		In Institutions on Jan. 1st.	Admitted during the year.	Discharged during the year.	Died in the Institutions.	In Institutions on Dec. 31st.
Number of doubtfully tuberculous cases admitted for observation	Adult males	..	1	1	..	..
	Adult females	..	3	3	..	..
	Children	..	2	1	1	..
	Total	..	6	5	1	..
Number of patients suffering from Pulmonary Tuberculosis	Adult males	26	59	50	7	28
	Adult females	24	39	38	5	20
	Children	9	4	5	1	7
	Total	59	102	93	13	55
Number of patients suffering from Non-Pulmonary Tuberculosis	Adult males	2	4	5	..	1
	Adult females	2	3	5	..	..
	Children	8	7	4	..	11
	Total	12	14	14	..	12
Grand Total.....		71	122	112	14	67



**E) Return showing the extent of Residential Treatment provided during the year in Poor Law Institutions for persons chargeable to the Council.**

		<i>In Institu- tions on Jan. 1st.</i>	<i>Admitted during the year.</i>	<i>Discharged during the year.</i>	<i>Died in the Institu- tions.</i>	<i>In Institu- tions on Dec. 31st.</i>
Number of patients suffering from pulmonary tuberculosis admitted for treatment	Adult males	13	67	42	19	19
	Adult females	9	48	32	12	13
	Children	6	..	5	..	1
	Total	28	115	79	31	33
Number of patients suffering from non-pulmonary tuberculosis admitted for treatment.	Adult males	3	1	1	..	3
	Adult females	..	6	5	..	1
	Children	3	6	4	4	1
	Total	6	13	10	4	5
Grand Total.....		34	128	89	35	38

**(F) Return showing the results of observation of doubtfully tuberculous cases discharged during the year from Institutions approved for the treatment of Tuberculosis.**

<i>Diagnosis on discharge from observation.</i>	<i>For Pulmonary Tuberculosis.</i>						<i>For Non-Pulmonary Tuberculosis.</i>						<i>Totals.</i>		
	<i>Stay under 4 weeks.</i>			<i>Stay over 4 weeks.</i>			<i>Stay under 4 weeks.</i>			<i>Stay over 4 weeks.</i>					
	<i>M</i>	<i>F</i>	<i>Ch</i>	<i>M</i>	<i>F</i>	<i>Ch</i>	<i>M</i>	<i>F</i>	<i>Ch</i>	<i>M</i>	<i>F</i>	<i>Ch</i>	<i>M</i>	<i>F</i>	<i>Ch</i>
Tuberculous . . . . .	.	.	.	.	1	.	.	.	.	.	.	.	.	1	.
Non-tuberculous . . . . .	.	.	.	1	1	1	.	.	.	.	.	1	1	1	2
Doubtful . . . . .	.	.	.	.	1	.	.	.	.	.	.	.	.	1	.
Totals . . . . .	.	.	.	1	3	1	.	.	.	.	.	1	1	3	2

(G) Return showing the immediate results of treatment of definitely tuberculous patients discharged during the year from Institutions approved for the treatment of Tuberculosis.

Classification on admission to the Institution	Condition at time of discharge.	Duration of Residential Treatment in the Institution.															Grand Totals
		Under 3 months			3-6 months			6-12 months			More than 12 months			Total			
		M	F	Ch	M	F	Ch	M	F	Ch	M	F	Ch	M	F	Ch	
Class T B minus	Quiescent.....	6	6	.	6	4	1	4	4	2	1	3	1	17	17	4	38
	Not quiescent.....	1	.	.	1	1	.	.	.	2	.	.	.	2	1	2	5
	Died in Institution	1	.	.	.	1	.	.	.	.	.	.	.	1	1	.	2
Class T.B Plus Group 1	Quiescent.....	.	.	.	1	.	.	.	2	.	.	1	.	1	3	.	4
	Not quiescent.....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Died in Institution	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Class T.B. Plus Group 2	Quiescent.....	3	1	.	5	3	.	2	5	.	1	.	.	11	9	.	20
	Not quiescent.....	1	.	.	.	.	.	.	.	.	1	1	.	2	1	.	3
	Died in Institution	.	.	.	1	.	.	.	1	.	.	.	.	1	1	.	2
Class T B Plus Group 3	Quiescent.....	.	.	.	2	1	.	1	4	.	1	1	.	4	6	.	10
	Not quiescent.....	2	.	.	.	.	.	1	1	.	1	.	.	4	1	.	5
	Died in Institution	1	.	.	1	1	.	.	.	.	.	.	.	2	1	.	3
TOTALS (pulmonary).....		15	7	.	17	11	1	8	17	4	5	6	1	45	41	6	92
Bones & Joints	Quiescent.....	.	1	.	.	.	.	.	1	.	1	.	1	1	2	1	4
	Not quiescent.....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	..
	Died in Institution	.	.	.	.	.	.	1	.	.	.	.	.	1	.	.	1
Abdominal	Quiescent.....	.	.	.	.	.	.	.	.	1	.	.	1	.	.	2	2
	Not quiescent.....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	..
	Died in Institution	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	..
Other Organs	Quiescent.....	1	1	.	.	.	.	.	.	.	.	.	.	1	1	.	2
	Not quiescent.....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	..
	Died in Institution	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	..
Peripheral Glands	Quiescent.....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	..
	Not quiescent.....	.	.	.	.	.	.	.	.	1	.	.	.	.	.	1	1
	Died in Institution	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	..
TOTALS (non-pulmonary).....		1	2	.	.	.	.	1	1	2	1	.	2	3	3	4	10

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1930.

Part I.—Summary of Notifications during the period from the 1st January, 1937, to the 31st December, 1937, in the County Borough of Stockport.

Age Periods.	Formal Notifications.												Total Notifi- cations
	No. of Primary Notifications of new cases of tuberculosis.												
	0—	1—	5—	10—	15—	20—	25—	35—	45—	55—	65—	Total all ages	
Pulmonary Males	.	.	1	2	5	5	15	16	16	6	.	66	75
„ Females.	.	1	1	3	9	14	11	10	6	3	2	60	63
Non-Pulmonary Males.	3	5	11	1	1	2	9	3	2	.	1	38	44
„ Females.	1	2	5	2	5	2	6	.	1	.	.	24	27



**Part II.—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.

<i>Age Periods.</i>	0-	1-	5-	10-	15-	20-	25-	35-	45-	55-	65-	<i>Total</i>
Pulmonary Males.....	..	..	1	..	2	1	5	2	1	1	..	13
„ Females...	..	..	..	1	..	2	1	5	2	..	2	13
Non-pulmonary Males.	..	5	3	2	..	..	3	..	..	..	..	13
„ Females.	..	..	..	1	..	..	1	1	..	..	..	3

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

<i>Source of Information.</i>	<i>Number of Cases.</i>	
	<i>Pulmonary</i>	<i>Non-pulmonary</i>
Deaths Return—		
from local Registrars.....	7	7
transferable deaths from Registrar-General.....	2	—
Posthumous notifications.....	1	3
“Transfers” from other areas (other than transferable deaths).....	17	6
Other Sources if any (specify).....	—	—

**Part III.—Notification Register.**

Number of cases of Tuberculosis remaining at the 31st December, 1937, on the Register of Notifications kept by the Medical Officer of Health....	<i>Pulmonary</i>			<i>Non-pulmonary</i>			<i>Total Cases</i>
	<i>Males</i>	<i>Females</i>	<i>Total</i>	<i>Males</i>	<i>Females</i>	<i>Total</i>	
	433	375	808	241	249	490	1298
Number of cases removed from the Register during the year by reason <i>inter alia</i> of :—							
1. Withdrawal of notification.	5	2	7	..	..	..	..
2. Recovery from the disease .	18	5	23	9	8	17	40
3. Deaths .....	61	42	103	15	12	27	130
4. Otherwise O.T.....	9	8	17	4	5	9	26

**PULMONARY TUBERCULOSIS.**—Supplementary Annual Report showing in summary form (a) the condition at the end of 1937 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.

[illegible]



(b) Not now on Dispensary Register and reasons for removal therefrom.	(c) Remaining on Dispensary Register on 31st December.

Condition at the time of the last record made during the year to which the Report relates.			Previous to 1927		1927		1928		1929		1930		1931		1932		1933		1934		1935		1936		1937								
			Tubercle and Zoster	Alcoholism	Organic Diseases	Peripneumonia	Tubercle and Zoster	Alcoholism	Organic Diseases	Peripneumonia	Tubercle and Zoster	Alcoholism	Organic Diseases	Peripneumonia	Tubercle and Zoster	Alcoholism	Organic Diseases	Peripneumonia	Tubercle and Zoster	Alcoholism	Organic Diseases	Peripneumonia	Tubercle and Zoster	Alcoholism	Organic Diseases	Peripneumonia	Tubercle and Zoster	Alcoholism	Organic Diseases	Peripneumonia	Tubercle and Zoster		
(a) Remaining on Dispensary Register on 31st December.	Disease arrested.	M.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		F.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		Children	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Disease not arrested.	M.	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
	F.	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
	Children	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
CONDITION NOT ASCERTAINED DURING THE YEAR.			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
TOTAL ON DISPENSARY REGISTER AT 31st DECEMBER.			5	9	4	18	4	4	8	1	1	12	2	1	12	2	8	11	1	12	8	5	4	7	24	6	4	7	24	6	4	7	24
TRANSFERRED TO PULMONARY.			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Discharged as recovered.	M.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	F.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	Children	5	10	5	12	32	2	2	2	6	3	1	4	1	1	4	6	5	1	2	9	5	3	8	1	1	2	3	8	1	1	2	
LOWT SHORT OF OR OTHERWISE REMOVED FROM DISPENSARY REGISTER.			6	19	19	26	70	4	3	3	7	17	4	6	1	5	16	2	1	2	6	11	10	3	3	8	24	6	3	12	6	10	
DEAD.	M.	1	1	2	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	F.	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	Children	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
TOTAL WRITTEN OFF DISPENSARY REGISTER.			15	36	35	40	126	7	9	3	28	4	10	2	7	22	2	3	4	10	19	19	6	10	40	8	8	9	11	36	8	3	7
Grand Totals of (a) and (b) (excluding those transferred to Pulmonary).			20	36	44	144	11	9	7	36	4	11	12	2	4	6	19	27	30	6	11	13	60	16	13	13	18	60	16	10	17	53	

## SECTION G. Tuberculosis.

### Notification of Tuberculosis.

188 cases of Tuberculosis were notified during the year as compared with 189 in the previous year.

Of the 188 cases thus notified 126 were cases of Tuberculosis of the Lungs and 62 were cases of Non-Pulmonary Tuberculosis.

In addition to the above, there were 15 cases of Tuberculosis which ended fatally, which had not been notified in accordance with the Public Health (Tuberculosis) Regulations. The ratio of deaths of non-notified cases to total deaths from Tuberculosis was one in eight. In these non-notified cases the attention of the Medical Practitioner in attendance was drawn to the fact that the Public Health (Tuberculosis) Regulations had not been complied with.

The number of deaths from all forms of Tuberculosis during the year was 121 as compared with 106 in the previous year, giving a death-rate of 0.90 per thousand of the population.

In the following table of New Cases and Mortality during 1937 all primary notifications are included together with other new cases of Tuberculosis coming to the knowledge of the Medical Officer of Health during the year :—

### TUBERCULOSIS.

AGE-PERIODS.	NEW CASES.				TOTAL DEATHS.			
	<i>Pulmonary.</i>		<i>Non-Pulmonary.</i>		<i>Pulmonary.</i>		<i>Non-Pulmonary.</i>	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1.....	—	—	3	1	—	—	1	1
1-5.....	—	1	10	2	—	—	5	1
5-10.....	2	1	14	5	—	—	3	1
10-15.....	2	4	3	3	—	—	1	1
15-20.....	7	9	1	5	6	2	—	1
20-25.....	6	16	2	2	2	10	—	1
25-35.....	20	12	12	7	6	15	3	2
35-45.....	18	15	3	1	8	7	1	—
45-55.....	17	8	2	1	21	5	—	—
55-65.....	7	3	—	—	10	2	—	—
65 and upwards..	—	4	1	—	1	4	—	—
Totals.....	79	73	51	27	54	45	14	8



### Pulmonary Tuberculosis.

Of the 126 cases notified, 71 occurred between the ages of 20 and 45 years, 33 were over 45 years of age, 14 were between the ages of 15 and 20, and 8 cases were under 15 years of age. There were 99 deaths during the year from Tuberculosis of the Lungs as compared with 82 in 1936. Of these 99 fatal cases, 54 were males and 45 females. The death-rate was 0.74 per 1,000 of the population; the rate for 1936 was 0.62.

Of the 99 deaths from Pulmonary Tuberculosis during 1937, 45 occurred at home, and 54 in Institutions of various kinds. 82 of the fatal cases were on the Dispensary Register.

The time which elapsed between the date of notification and the date of death is shewn in the following table :—

	<i>Cases on Dispensary Register.</i>	<i>Cases not on Dispensary Register.</i>	<i>Total.</i>
Death within 1 week of notification ...	4	2	6
„ 1 month „ .....	6	3	9
„ 3 months „ .....	15	2	17
„ 6 „ „ .....	10	..	10
„ 12 „ „ .....	12	..	12
Death over 1 year after notification....	35	..	35
Death Returns.....	..	10	10
	82	17	99

From the foregoing table it will be noted that 32 patients, or 32 per cent., died within 3 months of notification, as compared with 23, or 28 per cent., in 1936.

### Non-Pulmonary Tuberculosis.

62 cases of Non-pulmonary Tuberculosis were notified during the year, 38 in males and 24 in females.

The number of deaths from Non-pulmonary Tuberculosis was 22 as compared with 24 in 1936. The death-rate was therefore 0.16 per 1,000 of the population in 1937, compared 0.18 for 1936.

13 of the fatal cases were amongst children under 15 years of age.

### Public Health (Prevention of Tuberculosis) Regulations, 1925.

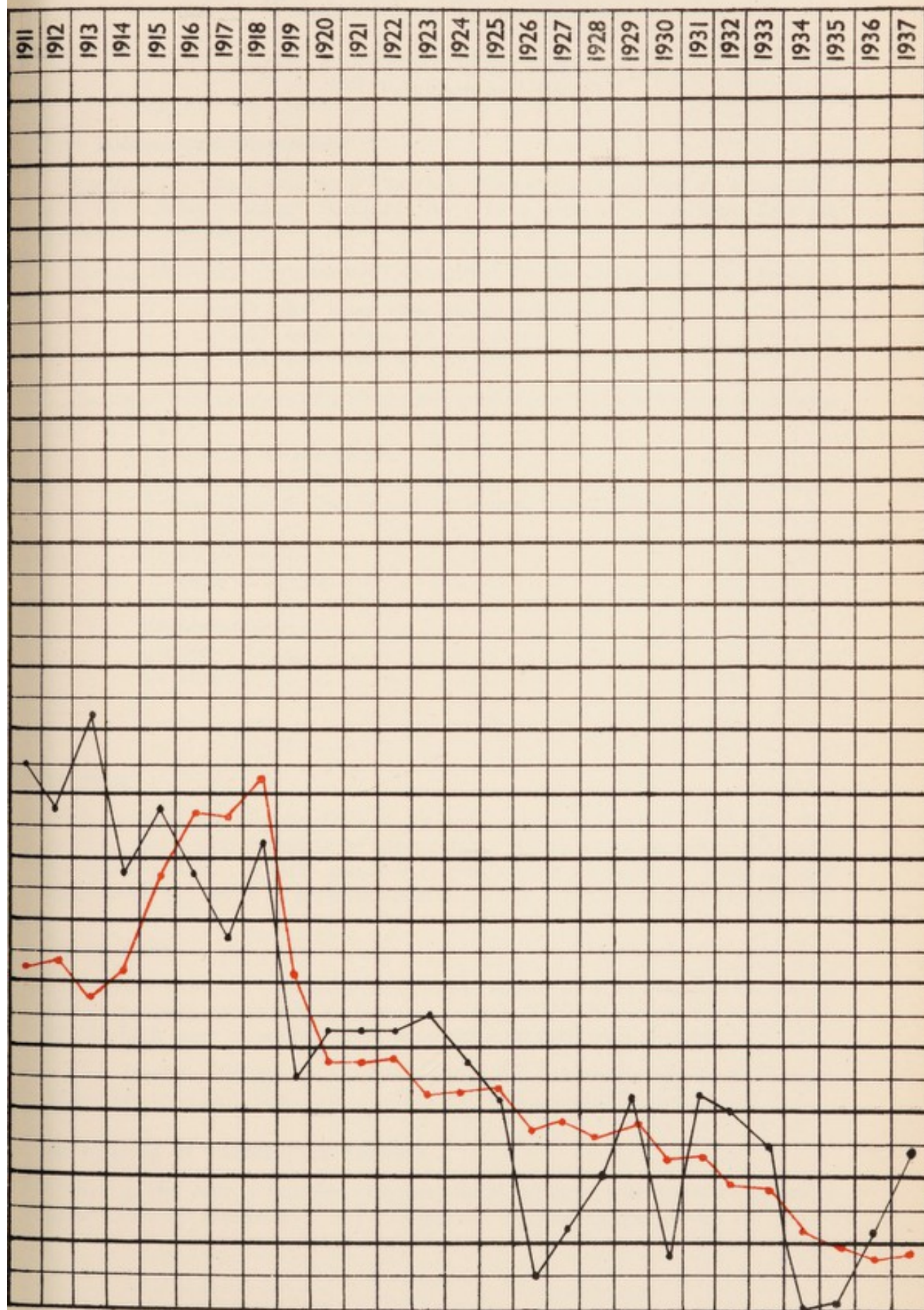
No action was taken during 1937 under these Regulations which relate to tuberculous employees in the Milk Trade.

### Public Health Act, 1925, Section 62.

No action was taken during 1937 under this Section of the Public Health Act, 1925, which relates to the compulsory removal of cases to Hospital.



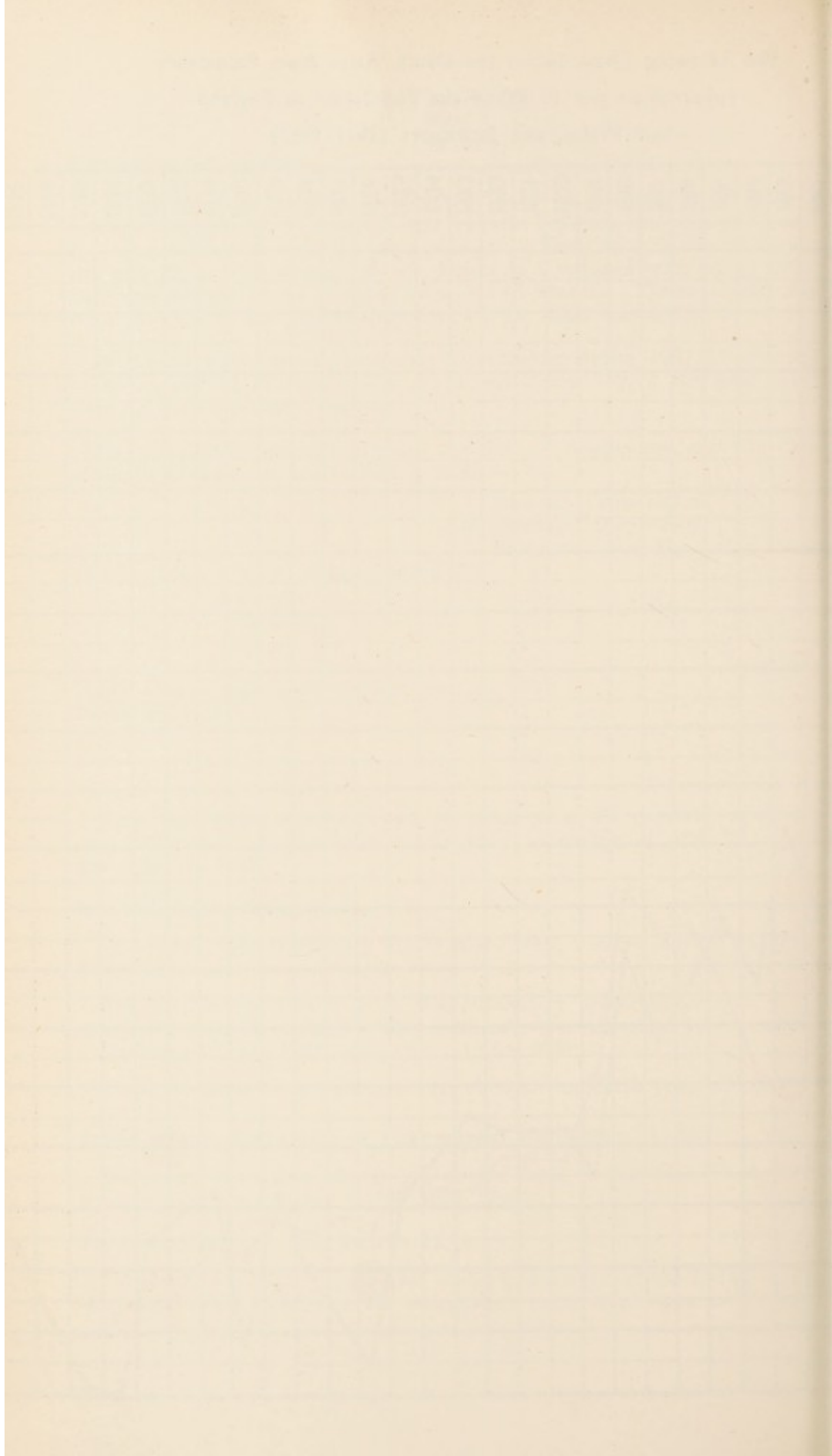
The following Chart shows the Death Rates from Pulmonary Tuberculosis per 10,000 of the Population in England and Wales, and Stockport (1911-1937).



England and Wales in Red.

Stockport in Black.





## Treatment of Tuberculosis.

By G. RAMAGE, M.D., D.P.H.  
(Clinical Tuberculosis Officer)

### The Tuberculosis Dispensary.

Sessions have been held each Tuesday, Wednesday, and Friday afternoon, and Wednesday evening. Children have been seen at a separate clinic on Thursday morning.

During 1937, 688 persons were examined for the first time. Of these :—

53 had been previously notified.  
437 were sent for diagnosis.  
198 were seen as Contacts.

Amongst the cases sent for diagnosis or treatment, the following conditions were found :—

Pulmonary Tuberculosis.....	153
Tuberculosis of Bones and Joints.....	10
Tuberculosis of Glands and Abdomen, Other Organs	32
Bronchitis, etc.....	43
Heart Disease.....	2
Unresolved Pneumonia.....	1
Asthma.....	4
Bronchiectasis.....	9
Cancer of Lung.....	2
No Disease.....	234
Total.....	490

### Contacts.

The attendance of contacts has not been very satisfactory. 198 attended in 1937, and 2 were found to be tubercular. All contacts are asked to attend for examination. A large number refuse, giving no reason. They do not appreciate the value of an examination to the community and themselves.

### Home Visits.

Where a case of Tuberculosis requiring supervision is not able to attend the Dispensary, he is seen at home. During 1937, 89 such visits were paid, 22 of which were in consultation with the patients' own Doctor.

The Health Visitors paid 2,712 visits to tubercular patients' homes. These are to ensure the family well-being, and are much appreciated.

### Re-housing of Tuberculous Families.

During the year, 4 families of tuberculous patients, who were living under unsatisfactory conditions, were re-housed by the Corporation.



### **" Care " Work.**

There is no Voluntary Committee specially to organise this work. The Tuberculosis (now the Hospitals and Institutions) Sub-Committee acts in this capacity. Help is given by means of Extra Nourishment (milk), Re-housing, and Rent Assistance. A number of men patients are given employment by the Parks Committee on the recommendation of the Tuberculosis Officer.

Milk was supplied to 23 new cases. The number of persons supplied with milk during the year has been 63.

One family (included in the above section) was re-housed under the Rent Assistance Scheme. The total number of families receiving assistance at the end of the year was 3. One family was re-housed but after a short stay found accommodation elsewhere.

### **Bacteriological Examination of Sputa.**

These are received from General Practitioners, Whitehill Hospital, Stepping Hill Hospital, and the Dispensary. They are examined at the Dispensary.

Total number received : 710 ; Positive : 187 ; Negative : 523.

### **X-Ray Examinations.**

These have been carried out at Stepping Hill Hospital by the Radiologist. A fee of 10/6d. is paid for each case.

This year 338 films were taken ; in 1936 the number was 421.

### **Orthopaedic Treatment.**

Cases of crippling, due to Tuberculosis, are treated at the Stockport Infirmary. These are seen by Mr. E. S. Brentnall, Hon. Orthopaedic Surgeon. We are greatly indebted to him for the skilful treatment of these cases.

The following is a summary of the work done during 1937 :—

- 24 Cases treated.
- 128 Out-patient attendances made.
- 17 X-Ray examinations.
- 23 Attendances for Ultra-Violet Light Treatment.
- 66 In-Patient days.

Valuable financial assistance has been given by the Trustees of the late Miss Maria Leigh in defraying the whole or part of the cost of surgical appliances in necessitous cases.

The Stockport Infirmary kindly deal with any tubercular cases requiring surgical treatment and this help is much appreciated.

### **Ultra Violet Light Treatment.**

The arrangements made for treatment by Ultra Violet Light, at the Stockport Infirmary, have been continued.

### Dental Treatment.

Financial assistance has been given for dental treatment of patients when recommended by the Tuberculosis Officer. During the year 5 patients were assisted at a total cost of £10 3s. 3d. These have mostly been persons without insurance benefit who required dentures.

No routine dental inspection and treatment is provided at Whitehill Hospital or Stepping Hill Hospital. This is a handicap to the patients' progress, as dental sepsis is present in a high portion of admissions. Treatment has always been provided when urgent.

The arrangements, whereby Stockport patients at Westmorland Sanatorium receive dental treatment, have been continued.

### Institutional Treatment.

Orthopaedic cases are accommodated as follows, and the numbers remaining on 31st December, were :—

Sir Robert Jones & Agnes Hunt		
Orthopaedic Hospital.....	4	(6 on 31st December, 1936).
Liverpool Open-Air Hospital...	4	(5 on 31st December, 1936).
Ethel Hedley Orthopaedic Hospital.....	3	(1 on 31st December, 1936).
Dr. Garrett Memorial Home....	7	(9 on 31st December, 1936).
Beds are taken as required.		

The demand for children's beds has been satisfied without undue waiting. There has been some delay in obtaining admission for adult cases.

Cases of glandular Tuberculosis have been sent mainly to Dr. Garrett's Home. These have averaged 8 in number. Some children were sent away by the George Fearn Trust to the Ormerod Home and other places.

Pulmonary Cases are accommodated in the following Institutions :—

	<i>Males.</i>	<i>Females.</i>
Whitehill Hospital.....	9	17
Stepping Hill Hospital.....	32	17
Westmorland.....	5	5
Cheshire Joint.....	8	8
Barrowmore.....	10	—

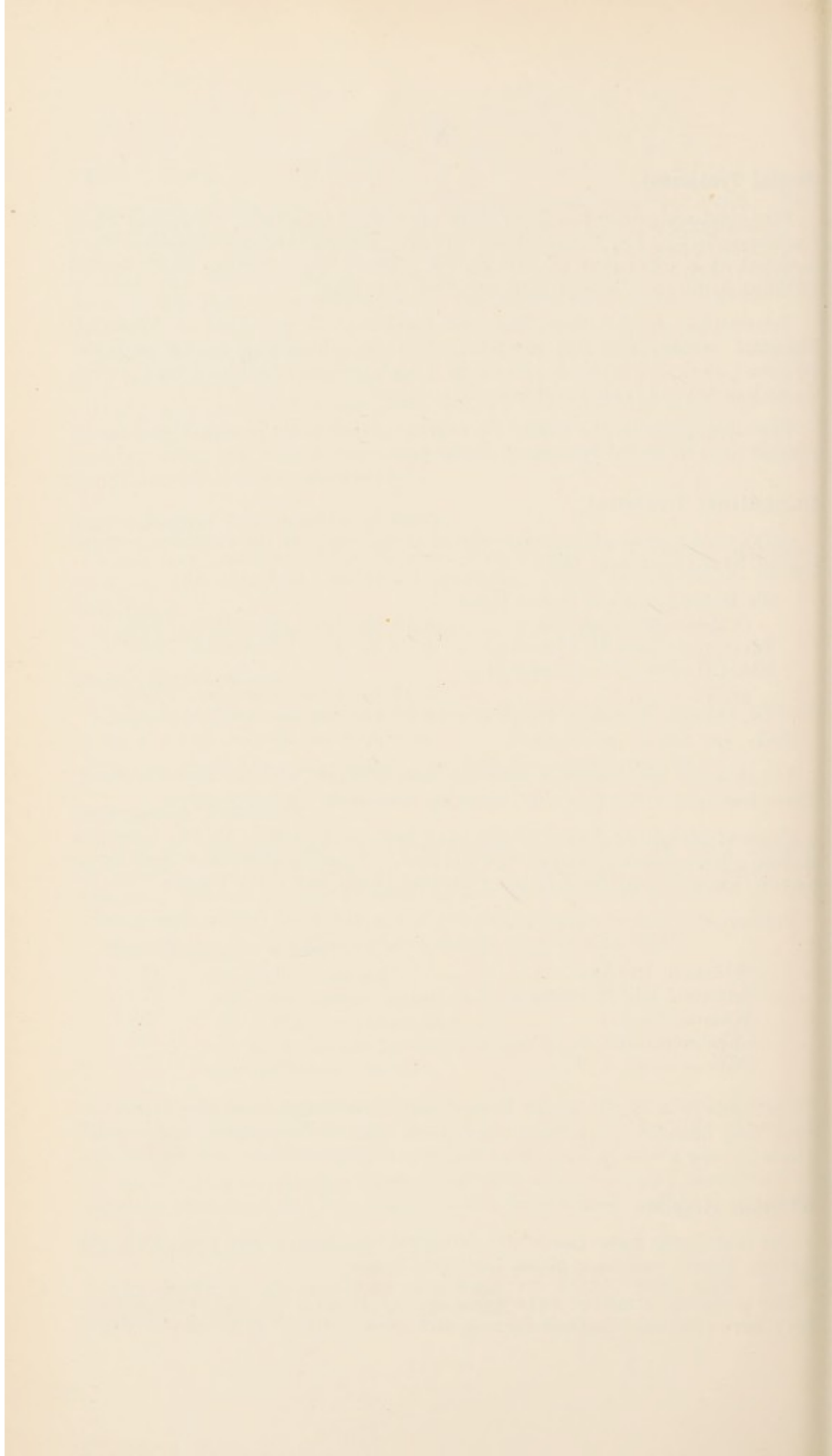
The beds out of Stockport have been filled throughout the year. An increasing number of patients have been sent to Stepping Hill Hospital, where the use of the X-Ray plant has been of great value.

### Whitehill Hospital.

The male beds have been fully occupied for most of the year, but only half the female accommodation has been in use.

The patients admitted have been mostly those with advanced disease. They have received excellent nursing care under difficult working conditions.





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SECTION H

Venereal Diseases.

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## SECTION H. Venereal Diseases.

The scheme in operation during 1937, was as is outlined in the Report for 1930, page 98.

568 persons, of whom 374 were males and 194 females, attended for treatment during the year, making a total number of attendances of 8,144, compared with 580, 404, 176 and 7,309, respectively in 1936.

In addition to the above, 64 new Stockport patients attended approved Treatment Centres in other towns, making a total number of attendances of 2,962.

During the year 816 specimens of blood in respect of Stockport patients were examined for the Wassermann Reaction at the Public Health Laboratory, Manchester, and elsewhere.

273 examinations for the detection of Gonococci were made at the Borough Dispensary ; and 22 for the detection of Gonococci, in respect of Stockport patients, were carried out at other Centres.

In-patient treatment is available for Stockport patients at St. Luke's Hospital, Manchester.

Fourteen Stockport persons received in-patient treatment at St. Luke's Hospital during 1937, involving a total of 307 in-patient days.

82 patients from the Child Welfare Centres were examined. A specimen of the blood was examined in 53 cases, and 34 examinations were made for the detection of gonococci.

The following tables, compiled from Form V.D. (R) of the Ministry of Health, give the details of the treatment at the various Treatment Centres:—

TABLE OF INSTITUTIONAL TREATMENT AT VARIOUS TREATMENT CENTRES

	<i>Borough Dispensary Stockport.</i>	<i>Stockport Patients Treated at other Centres.</i>
	<i>Number.</i>	<i>Number.</i>
(A) OUT-PATIENT CLINIC :		
Attendances.....	8144	2962
(B) IN-PATIENT TREATMENT :		
Number of days.....	—	318
(C) ARSENOBENZENE COMPOUNDS (Doses)...	645	153
BISMUTH (Doses) .....	1354	—
(D) EXAMINATION OF PATHOLOGICAL MATERIAL :		
For detection of Spirochetes.....	—	—
„ Gonococci.....	274	21
„ Wassermann Reaction.....	*837	117

\* Including 325 specimens sent in by Private Practitioners and Institutions, and 138 specimens from patients of other Authorities.

VENEREAL DISEASE—TREATMENT.

	<i>Borough Dispensary Stockport.</i>	<i>Stockport Patients Treated at other Centres</i>
A. Number of persons dealt with during the year at or in connection with the Out-Patient Clinic for the first time and found to be suffering from Syphilis.....	28	10
Soft Chancre.....	—	2
Gonorrhœa.....	108	23
Conditions other than Venereal.....	79	29
Total.....	215	64
B. Number of attendances at the Out-Patient Clinic.....	8144	2962
C. Aggregate number of "In-Patient" days.....	—	318
D. Number of doses of Salvarsan substitutes given in the—		
(1) Out-Patient Clinic.....	1354	} 153
(2) In-Patient Department.....	—	

The arrangements for the treatment of cases of these diseases appear to be adequate and patients continue to avail themselves of the facilities offered. The co-operation of the members of the Medical Profession in the town is sought by your Staff and assistance in the diagnosis and treatment of cases referred to your Medical Officers is readily given to the Practitioners concerned.

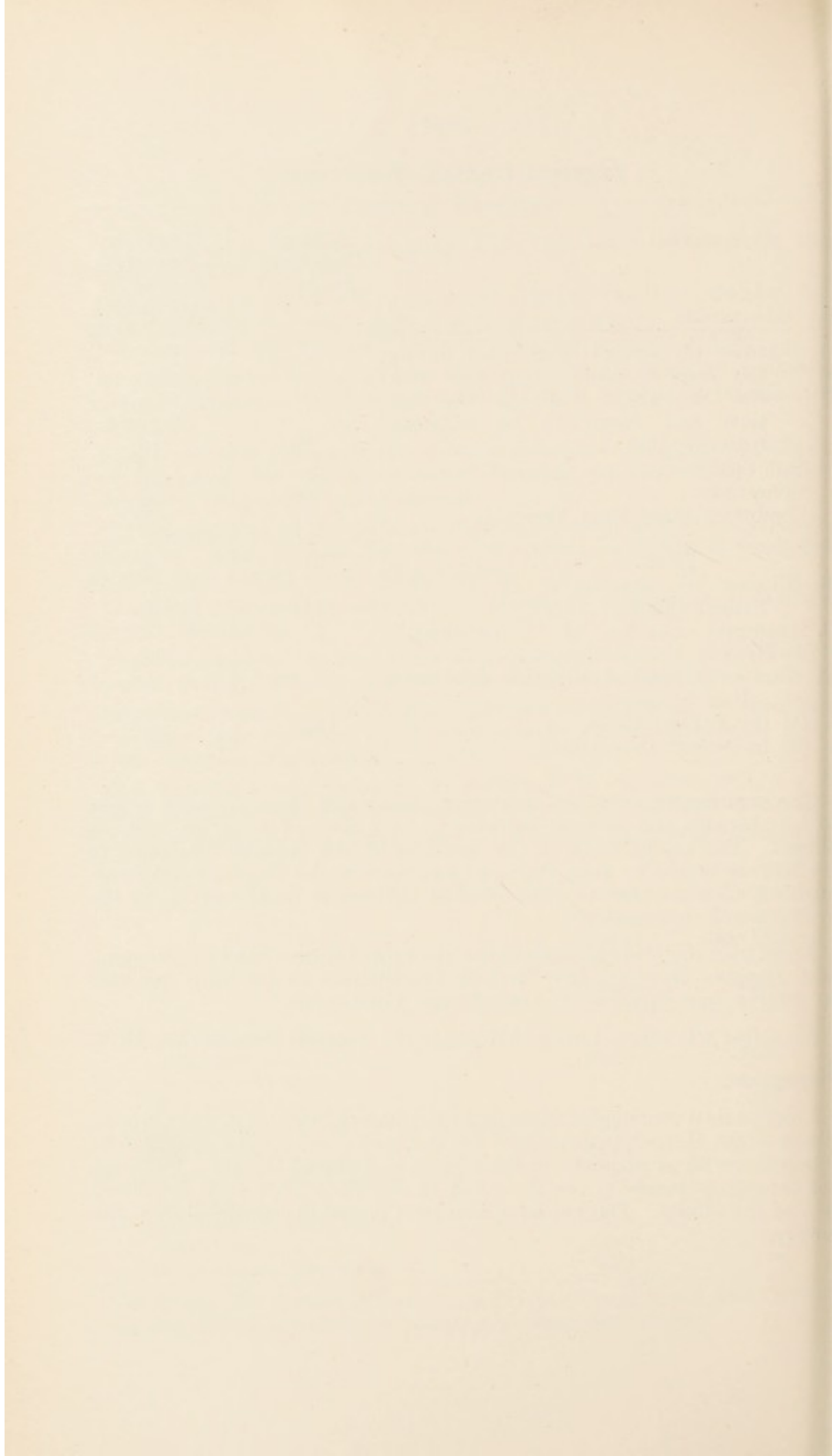
Apart from the Medical Staffs at the Stockport Infirmary and the Stepping Hill Hospital there are five Medical Practitioners in the town qualified to receive free supplies of Arsenobenzol Compounds.

No action was taken during 1937 under the Venereal Diseases Act, 1917.

### Propaganda.

Your Council contributes annually to the British Social Hygiene Council, which is the Central Organisation for the many and varied activities in connection with propaganda on the subject of Venereal Disease. Publicity has been given locally in the Press and by correspondence as to the times, etc., of the Clinics. Plaques have also been placed in urinals all over the town.





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SECTION J.

Maternity and Child Welfare.

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## SECTION J.

## Maternity and Child Welfare.

## INFANT MORTALITY.

1937. Nett Deaths from stated causes at various Ages under 1 Year of Age.

CAUSE OF DEATH.	Under 1 week.	1-2 weeks.	2-3 weeks.	3-4 weeks.	Total under 4 weeks.	4 weeks and under 3 months.	3 months and under 6 months.	6 months and under 9 months.	9 months and under 12 months.	Total Deaths under 1 year.
All causes.....	46	6	6	8	66	14	8	16	3	107
Influenza.....	..	..	..	..	..	1	..	..	..	1
Cerebro-spinal Fever.....	..	..	..	..	..	..	..	1	..	1
Tuberculosis of the nervous System.....	..	..	..	..	..	..	1	..	1	2
Congenital Syphilis.....	..	1	..	1	2	..	..	..	..	2
Pyæmia.....	..	..	..	..	..	1	..	..	..	1
Cerebral Hæmorrhage.....	2	..	..	..	2	..	..	..	..	2
Diseases of the Eye and Annexa.....	..	..	1	..	1	..	..	..	..	1
Acute Myocarditis.....	..	..	..	..	..	..	1	..	..	1
Bronchitis.....	..	..	..	..	..	..	..	2	1	3
Broncho-pneumonia.....	..	..	1	1	2	1	3	7	..	13
Lobar Pneumonia.....	..	..	..	..	..	..	..	1	..	1
Pleurisy.....	..	..	..	..	..	..	..	1	..	1
Diseases of the Stomach..	1	..	..	..	1	..	..	1	..	2
Diarrhoea and Enteritis..	..	..	..	..	..	5	2	..	..	7
Acute Infective Osteomyelitis and Periostitis..	..	..	..	1	1	..	..	..	..	1
Congenital Malformations.	1	..	..	1	2	1	1	2	..	6
Congenital Debility.....	2	..	..	1	3	1	..	..	..	4
Premature Birth.....	35	3	4	1	43	3	..	..	..	46
Injury at Birth.....	1	..	..	..	1	..	..	..	..	1
Other Diseases peculiar to Early Infancy....	4	2	..	2	8	..	..	..	..	8
Accidental Burns.....	..	..	..	..	..	..	..	..	1	1
Accidental Mechanical Suffocation.....	..	..	..	..	..	1	..	1	..	2

By JEAN MACKINTOSH, M.D., Ch.B., D.P.H.

(Assistant Medical Officer for Maternity and Child Welfare).

### Introduction.

The year 1937 was one of great activity in the Department. It saw the commencement on the 1st August, of the new Domiciliary Midwifery Service. The setting up of such a service is an important turning point in the Public Health service in this country, and is one, the full consequence of which, will not become apparent for a number of years.

This new departure is dealt with in greater detail under the section headed Municipal Domiciliary Midwifery Service, and it will be sufficient to say here, that there are now 10 midwives and 1 Superintendent Midwife, employed by this Corporation.

As a further step in the development of the Maternity Service, the Council decided to build a new Maternity Block of 50 beds at Stepping Hill Hospital. In view of the additional accommodation to be provided, the Maternity and Child Welfare Committee decided to close Mile End Hospital at the end of January, 1938.

A new Welfare Centre was opened in the Heaton Mersey district in April, at the Cavendish Road Methodist Sunday School. One session weekly for Child Welfare is held there, and has proved highly successful. An additional Health Visitor was added to the staff in June, and this has provided much needed relief to the pressure on district visiting.

The arrangements for the treatment of the pre-school child came into operation during the year, and the scheme is working smoothly.

### Notification of Births.

2,232 births were notified. In 6 cases there was failure to notify the birth. This number of notifications shows an increase of 200 on those of 1936. The following table shows where these births occurred :—

<i>Place of Birth.</i>	<i>Borough Cases.</i>	<i>Cases outside Borough.</i>	<i>Total.</i>
IN INSTITUTIONS.			
Stepping Hill Hospital.....	659	260	919
Mile End Hospital.....	129	49	178
Nursing Homes.....	90	74	164
	<hr/>	<hr/>	<hr/>
Total.....	878	383	1261
	<hr/>	<hr/>	<hr/>
AT HOME.			
District Midwives.....	948	—	948
Doctors with Handy Women..	23	—	23
	<hr/>	<hr/>	<hr/>
	971	—	971
	<hr/>	<hr/>	<hr/>
Grand Total.....2,232.			



This table shows that a total of 1,261 births occurred in Institutions, and that of these, 383 were cases whose home address was outside the Borough. 878 were people whose home address was in Stockport. On the other hand, only 69 Stockport births occurred in Institutions and Nursing Homes outside the Borough.

### Infant Deaths.

The total number of deaths under 1 year was 107, and the total number of children dying under 4 weeks was 66. The infantile death rate was, therefore, 56.6, as compared with 75.6 in 1936. The death rate of infants under 4 weeks was 34.9, and the death rate under 1 week was 24.3. These figures remain much the same as for 1936.

The health and power of survival of the child under 4 weeks is greatly influenced by the state of health of the mother during pregnancy, and by the type of delivery. Therefore, to secure a reduction in the death rate of the child under 4 weeks, it is necessary to see that the expectant mother has adequate ante-natal care.

The death rate from premature birth and allied conditions was 29.6, as compared with 36.1 in 1936. The death rate from diarrhoea and enteritis was 3.7, and from respiratory diseases 14.3, both of which show a satisfactory fall from last year's figures.

A comparative table of infantile mortality rate for the past 5 years is given below :—

	1937	1936	1935	1934	1933
STOCKPORT :—					
Infantile Death Rate..	56.6	75.60	57.43	54.63	83.07
Death Rate under 4 weeks.....	34.9	36.12	32.56	30.58	49.84
Death Rate under 1 week.....	24.3	21.12	26.05	24.57	34.05
GREAT TOWNS :—					
Infantile Death Rate..	62	63	62	63	68
ENGLAND AND WALES :—					
Infantile Death Rate..	58	59	57	59	64

In the following table the death rates from main causes of infantile mortality are given :—

	1937	1936	1935	1934	1933
Congenital malformations, prematurity and debility.....	29.6	36.12	26.64	28.1	34.13
Diarrhoea and enteritis	3.7	7.23	7.10	8.6	10.30
Respiratory diseases...	14.3	19.46	10.66	8.6	14.57

**Still-births.**

The number of still-births registered belonging to the Borough was 89, of which 78 were legitimate and 11 illegitimate. During the year 6 still-births belonging to Stockport occurred outside the Borough, and 26 belonging to other Authorities occurred in Stockport.

The causes of still-births were as follows :—

Prolonged labour, instrumental delivery.....	17
Mal-presentation.....	10
Placenta praevia, ante-partum haemorrhage.....	8
Albuminuria Eclampsia.....	12
Illness of Mother.....	7
Deformity of Child.....	4
Prematurity.....	13
Cause unknown.....	12
Induced labour and Caesarian Section.....	6
Total.....	89

No information is available about the inward transfers.

The following comparative table is of interest :—

	1937	1936	1935	1934	1933	1932	1931
Total number of Still-births.....	89	104	100	94	87	93	99
Still-birth Rate per 1,000 total births.....	45	58	56	51	53	55	54

**Maternal Deaths.**

The number of women who died in, or in consequence of Child-birth was 17, which gives a Maternal mortality rate of 8.9 per 1,000 live births and 8.6 per 1,000 total births (live and still).

The causes of death were as follows :—

Puerperial Sepsis.....	6
Toxaemia.....	2
Haemorrhage.....	3
Obstetric Shock.....	4
Ectopic Gestation.....	2

Of the 6 cases of Puerperal Sepsis, 3 received ante-natal care by the district Midwife, 2 cases received ante-natal care at Stepping Hill Hospital, and 1 case received no ante-natal care. Of these 6 cases, 5 died in Stepping Hill Hospital, and 1 in a Hospital outside the Borough.

Of the Maternal deaths from other causes, 3 received no ante-natal care, 3 received ante-natal care by the General Practitioner, 2 received ante-natal care at the Hospital Clinic, 2 at the District Clinic, and 1 received ante-natal care from a Midwife. Of these cases, 2 died at home, 7 in Stepping Hill, and 2 in Hospitals outside the Borough.



### Puerperal Fever and Puerperal Pyrexia.

Under the Regulations of 1926 and 1928, 37 notifications of Puerperal Pyrexia and 9 notifications of Puerperal Fever were received. Of the 9 cases of Puerperal Fever, 3 were confined in their own homes, 5 were confined in Hospital, and 1 was confined in a Nursing Home and removed to her own home. The cases confined in Hospital bear no relation to one another. Two of the cases confined at home were removed to Hospital.

Of the 37 cases of Puerperal Pyrexia, 20 were confined in Hospital, and 17 were confined at home. Of those confined at home, 7 were removed to Hospital.

### Ophthalmia Neonatorum.

During 1937, 7 notifications of Ophthalmia Neonatorum were received under the Public Health (Ophthalmia Neonatorum) Amendment Regulations, 1928. 3 of these cases were confined at home, and 4 were confined in hospital. All the cases made a complete recovery.

The following table gives an analysis of the cases notified during the past five years :—

OPHTHALMIA NEONATORUM.

Year	Cases.			Vision un- impaired.	Vision im- paired.	Total Blind- ness.	Deaths.
	Notified	Treated.					
		At Home.	In Hospital.				
1937	7	3	4	7	..	..	..
1936	12	7	5	12	..	..	..
1935	10	4	6	10	..	..	..
1934	15	10	5	15	..	..	..
1933	12	8	4	12	..	..	..

### Pemphigus Neonatorum.

A total of 36 cases of this disease were brought to the notice of the department during the year. 30 of these cases were removed for treatment to the Borough Isolation Hospital from Stepping Hill Hospital, and the remaining 6 were treated at home.

### Mile End Maternity Hospital.

There are 16 maternity beds provided in the Hospital, with two additional beds for isolation. The number of cases admitted during the year was 187. Of that number 132 paid the full fees, and in 53 cases, reduction of fee was granted. 12 patients were admitted to the private single-bedded ward, for which a fee of £5 5s. 0d. per week is charged.

In a large number of cases, a General Practitioner was definitely booked for the confinement. 7 mothers and 2 babies were removed to other hospitals, viz. :—

Caesarean Section.....	4
Pyrexia.....	3
Birth injuries.....	2

An Ante-natal and Post-natal Clinic is held once weekly at the Hospital, for all those patients who have not definitely booked a doctor for their confinement.

In view of the decision of the Council to erect a new block at the Stepping Hill Hospital, arrangements were made to close the Mile End Hospital for the admission of maternity patients on the 31st January, 1938.

During the year the following cases were dealt with :—

Number of mothers remaining in Hospital on 1st January, 1937.....	9
"    "    admitted during the year.....	188
"    "    discharged during the year.....	185
"    "    died during the year.....	—
"    "    remaining in Hospital on 31st December, 1937..	12
Number of babies remaining in Hospital on 1st January, 1937.....	7
"    "    born during the year (live births).....	176
"    "    discharged during the year.....	166
"    "    died during the year.....	5
"    "    (Still-births).....	5
"    "    remaining in Hospital on 31st December, 1937....	12
Number of miscarriages.....	—
"    cases of Puerperal Fever.....	—
"    "    Puerperal Pyrexia.....	8
"    twins born in Hospital.....	1 pr.

### Mile End Maternity Hospital.

#### Annual Statistics—Year 1937.

Number of maternity beds in the Institution (exclusive of isolation and labour beds) : 16.

Number of maternity cases admitted during the year : 188.

Average duration of stay : 14 days.

Number of cases delivered by—

(a) Midwives : 133.

(b) Doctors : 47.



Number of cases in which medical assistance was sought by a midwife in emergency : 53.

Number of cases notified as—

(a) Puerperal Fever : Nil.

(b) Puerperal Pyrexia : 6.

Number of cases of Pemphigus Neonatorum : Nil.

Number of infants not entirely breastfed while in the Institution : 23.

Number of Cases of Ophthalmia Neonatorum : Nil.

Number of maternal deaths : Nil.

Number of infant deaths—

(a) (i) stillborn : 5.

(ii) within 10 days of birth : 5.

### Supervision of Nursing Homes.

Seven nursing homes are registered in the Borough, no new applications were received during the year. These homes are inspected at regular intervals by the Assistant Medical Officer of Health for Maternity and Child Welfare.

### Supervision of Midwives.

During the year 62 midwives gave notice of their intention to practise in the Borough. These include 27 at the Stepping Hill Hospital, 3 at Shaw Heath Institution, 3 at the Mile End Maternity Home, and 10 at nursing homes. Also 12 midwives who reside outside the Borough gave notice of their intention to practise within the Borough.

At the end of the year all midwives practising in the town had passed the examination of the Central Midwives Board, the 2 midwives with other qualifications having retired. 3 midwives attended 100 cases or more each, either alone or with a doctor. 6 midwives did not attend any cases except in co-operation with a doctor. In addition there were 22 midwives on the non-practising list.

Compensation was paid to 20 midwives for loss of practice caused by the removal of patients to hospital for delivery.

All the district midwives are inspected at regular intervals by the Assistant Medical Officer for Maternity and Child Welfare, who is also the Medical Supervisor of Midwives.

The number of notifications of sending for medical assistance and the conditions for which help was required were as follow :—

Post-partum haemorrhage.....	8	Suspicious Spots.....	6
Ante-partum haemorrhage....	16	Condition of Mother.....	31
Retained placenta or Mem-		Condition of Eyes.....	36
branes.....	11	Abortion.....	4
Delayed labour.....	64	Pyrexia.....	32
Obstructed labour.....	14	Toxæmia.....	29
Ruptured perineum.....	111		
Contracted pelvis.....	5		
Malpresentation.....	14		
Condition of Child.....	59	Total.....	440



### **Municipal Domiciliary Midwifery Service.**

During the year, the Midwives Act, 1936, came into force, and on the 1st August, 1937, the new Municipal Domiciliary Midwifery Service came into being.

The Council decided to appoint 10 municipal midwives, and to compensate compulsorily, for various reasons, 5 of the older midwives. In consequence, 9 midwives, who were in active practice in the town, received appointments under the new scheme, leaving only 1 appointment to be filled by a midwife who was not already in active practice. Subsequently, 1 of the midwives obtained a post elsewhere, and a further appointment was made. Of the staff of 10 midwives, 3 are State Registered Nurses, as well as holding the certificate of the Central Midwives Board. In addition there were 11 independent midwives practising in the town.

The Council also decided to appoint a non-medical supervisor of midwives, to assist the Assistant Medical Officer of Health for Maternity and Child Welfare, who is the Medical Supervisor of Midwives. Miss Skrimshire, who had been Matron of Mile End Maternity Hospital since October, 1932, was appointed to this post, and she took up her duties on the 1st February, 1938, following the closure of Mile End Hospital.

The homes of the midwives are evenly distributed over the town. As far as possible, liberty of choice of a midwife is preserved for each patient, but midwives in the first instance are only allowed to book 8 cases monthly, to ensure an equal distribution of work amongst them. It is, therefore, advisable for patients to book their midwife as early as possible.

The midwives ordinarily work in pairs, the one relieving the other when off duty, but at times of great pressure of work, it is not always possible to adhere to this arrangement.

The fee charged is 35/- for a primipara, and 30/- for a multipara. The same fee is charged either where the midwife is in sole charge of the case, or when she works in collaboration with the Doctor. This fee includes the cost of a sterilized maternity outfit, which is supplied to each patient. Patients in poor circumstances with no maternity benefit, may make application for a reduction in the fee.

During the year, 977 births occurred in the district. Of these, 905 occurred in the practices of midwives who are now in the Corporation service, or in the practices of those midwives who have retired, and whose work is now undertaken by the municipal midwives. In 182 of these cases, Doctors were engaged for the confinement, and the midwives assisted them as maternity nurses. 43 district births were attended by independent midwives, and in 27 of these a general practitioner had been engaged for the confinement. In 23 cases Doctors worked with handy women and in 6 cases births were not notified.

The following is a summary of the work done by the Municipal Midwives since their appointment, 1st August, 1937 :—

Visits to Expectant Mothers.....	1,479
Attendances at Ante-natal Clinics.....	203
Interviews at Midwives' Homes.....	363
Patients delivered.....	367
Visits during Puerperium.....	5,397



### Ante-Natal Clinics.

Nine Ante-natal Clinics are held weekly, of which 6 are district Clinics, and 3 serve the needs of those patients who are to be confined in Stepping Hill and Mile End Hospital. The total attendances in 1937, at all the Clinics was 9,202, and the number of new patients was 1,665.

The following table shows the number of attendances at the various Clinics during the year :—

	1937.		1936.
District Clinics.....	4003	..	3451
Mile End Hospital.....	626	..	795
Stepping Hill Hospital....	4573	..	4368

### ANTE-NATAL CLINICS.

<i>Year.</i>		<i>Number of Mothers.</i>		<i>Total Attendances.</i>
1927	..	380	..	573
1928	..	658	..	1388
1929	..	863	..	2735
1930	..	920	..	3458
1931	..	1019	..	3840
1932	..	989	..	4537
1933	..	1085	..	5409
1934	..	1428	..	6171
1935	..	1410	..	6620
1936	..	1537	..	8614
1937	..	1665	..	9202

### Post-Natal Clinics.

Women are slow to recognise the importance of examination following their confinements. If every mother were examined as a routine procedure at about 6 or 8 weeks following her confinement, much invalidism in women might be prevented. At that period, however, the mother is usually very busily occupied attending to her child, and she finds it difficult to spare the time for the examination which would be beneficial to her. Facilities for Post-natal examination are now available at all Ante-natal Clinics for women confined in their own homes. In 1937, 104 such examinations were made.

### Health Visitors.

An additional Health Visitor was appointed and commenced work in June. The staff now consists of a Superintendent Health Visitor and 8 Health Visitors. The new appointment gave much needed relief in the work on the district visiting, and in consequence the number of district visits has shown a substantial increase.

Last year it was possible to visit the babies and toddlers in their homes more often. Although a mother may attend a Welfare Centre with her child, there is not time at a busy Centre, for the individual advice and attention which the mothers find so valuable and which they greatly appreciate. A quiet chat with the Health Visitor, in her own home gives the mother that opportunity for discussing her own particular problems, which she finds most helpful.

#### SUMMARY OF THE WORK OF THE HEALTH VISITORS.

Total number of houses visited.....	25720
First visits to births.....	1988
Revisits to births.....	9591
Visits to Outworkers.....	78
School Lectures.....	52
Visits re Deaths.....	112
Visits to Ante-natal Cases.....	224
Visits to children, 1 to 5 years.....	12967
Attendances at Maternity and Child Welfare Centres.	2148
Visits to Tuberculosis Cases and Contacts.....	2938
Nursed-out Children.....	122
Minor Infectious Disease.....	179
Midwives' Emergency Enquiries.....	328
Still-births.....	100
Ambulance Journeys.....	33
Attendances at T.B. Dispensary.....	516
Attendances at V.D. Dispensary.....	170
Immunisation Clinics.....	117
Unclassified Visits.....	480

#### Child Life Protection (Sections 206 to 220 of the Public Health Act, 1936).

- (a) Number of persons who were receiving children for reward at the end of the year..... 23
- (b) Number of children :
- |   |      |
|---|------|
| (I) at the end of the year.....                       | 25   |
| (II) who died during the year.....                    | Nil. |
| (III) on whom inquests were held during the year..... | Nil. |
- (c) Number of Child Protection Visitors at the end of the year who were :
- |   |      |
|---|------|
| (I) Health Visitors.....                    | 9    |
| (II) Female other than Health Visitors..... | Nil. |
| (III) Male.....                             | Nil. |
- (d) Number of persons (in addition to or in lieu of Visitors under (c) above) or societies authorised to visit under the proviso to Section 2 (2) of the Children Act, 1908, the proviso to Section 209 (2) of the Public Health Act, 1936..... Nil.
- (e) Proceedings taken during the year :
- |   |      |
|---|------|
| No. of Cases.....                                     | Nil. |
| Act and Section under which proceedings were taken... | Nil. |



- (f) Number of Cases in which the local authority has given sanction during the year :
- (I) under (a) of Section 3 of the Children Act, 1908,  
Section 210 of the Public Health Act, 1936..... Nil.
  - (II) under (b)..... Nil.
  - (III) under (c)..... Nil.
- (g) Number of orders obtained during the year under Section 67 of the Children and Young Persons Act, 1932, Section 212 of the Public Health Act, 1936 :
- (I) from a court of summary jurisdiction..... Nil.
  - (II) from a single justice..... Nil.

### Child Welfare Clinics.

15 sessions are held weekly at 8 Centres. The number of new cases entered in the registers was 1,668, the total weighings 38,675. These figures again show a substantial increase on those of last year.

The number of children from one to five years on the register is 2,397, which again shows an increase on the figure for last year.

Arrangements are made whereby each toddler can receive a thorough overhaul each year, on the lines of the routine School Medical Inspection. In 1937, 1,569 toddlers received such an examination. There is still room for expansion in this work, and parents do not yet fully appreciate the value of this routine medical inspection.

Facilities for Diphtheria Immunisation are now provided at several Infant Welfare Centres, and it is hoped to make these facilities available at all Centres in the town during 1938.

The detailed figures for 1937 are given below :—

CHILD WELFARE CENTRES, 1937.										
	Port- wood.	Church- gate.	Reddish.	Edgeley.	Wy- cliffe.	Ads- wood.	Great Moor.	Heaton Mersey.	Total	
New Cases.....	130	272	347	332	221	93	173	100	1668	
Number on Register.....	278	621	683	836	357	296	372	159	3602	
Total Weighings.	2869	5989	7484	8772	5217	2975	4143	1226	38675	
Total Attend- ances.....	3350	7001	8342	10129	6396	3227	4332	1255	44032	
Medical Consulta- tions.....	966	1940	2194	2528	1652	1086	1343	458	12167	

### Treatment of the Pre-School Child.

The arrangements for the treatment of the Pre-School Children are now complete. Children can now be referred from the Welfare Centres to the Massage Clinic and Sunlight Clinic at Churchgate House, and to the School Clinic and Stockport Infirmary for treatment.

In consequence of these arrangements, in the course of time there should be a material improvement in the health of the children entering school.

The following table shows the extent of the work done :—

<i>Condition.</i>	<i>Cases referred to :—</i>			
	<i>Churchgate.</i>	<i>School Clinic.</i>	<i>Infirmary.</i>	
Minor Rickets.....	189	..	—	..
Orthopaedic.....	—	..	—	.. 24
Bronchitis.....	18	..	—	..
Debility.....	29	..	—	..
Enlarged Glands.....	3	..	—	..
Otorrhoea.....	—	..	5	..
Ophthalmic Conditions....	—	..	31	..
Skin Disease.....	—	..	6	..
Burns.....	—	..	2	..
Tonsils and Adenoids.....	—	..	—	.. 17
Dental.....	—	..	100	..
	—	—	—	—
Totals.....	239	..	144	.. 41
	—	—	—	—

### **Mothercraft Classes.**

An additional Mothercraft Class at Heaton Mersey was opened during the year, and has proved very popular. Five Mothercraft Classes are held once a week and serve five Centres—Churchgate, Edgeley, Reddish, Adswold and Heaton Mersey. Instruction in cookery and sewing is given by qualified instructors. Talks on hygiene and mothercraft are given by the Health Visitors, while the children are looked after in rooms apart from their mothers by the voluntary workers.

The number of mothers who attend to receive instruction varies from 11 to 50 at each session.

### **Convalescent Treatment.**

The Voluntary Committee sent 13 mothers for a holiday of three weeks each to a Convalescent Home in Llandudno.

### **Stockport Voluntary Committee for Maternity and Child Welfare.**

This Committee continued to give devoted service to the work of child welfare in the town. During the year 120 members gave at least one half-day a week to assist in some branch of the work, either at the Welfare Centres or Mothercraft Classes.



In addition, the Committee provided milk for necessitous children over the age of one year, paid for the services of the operator at the Ultra Violet Light Clinic, and sent 13 poor mothers to the Convalescent Home in Llandudno.

As the years go on, the work of this Committee continues to increase in the extent and variety. They render the most valuable services in supplementing the work of the Corporation in numerous directions, and contribute in no small degree to the success of Child Welfare in Stockport.

#### **Milk (Mothers and Children) Order, 1919.**

In 1937, 520 cases were dealt with, as compared with 604 cases in 1936.

Number of cases dealt with.....	520
Quantities of milk supplied :—	
Total.....	39384 lbs.
Free.....	11033 „
Half Cost.....	2091 „
Total Cost.....	26260 „

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SECTION K.

Health Education.

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## SECTION K.

**Health Education.****National Health Campaign.**

During the year the Central Government embarked upon a National Health Campaign with the object of increasing the use of the Health Services provided by Local Authorities and Voluntary Organisations.

The inaugural meeting in connection with this matter was held in London, on the 30th September, 1937, when the Prime Minister (Mr. Neville Chamberlain) addressed a well-attended and enthusiastic meeting, in which he outlined the programme of the campaign.

In connection with this campaign, publicity matter was issued by the Central Council for Health Education as under :—

Maternity and Child Welfare Services—November and December, 1937.

School Health Services—January, 1938.

Services for Adults and Adolescents—February, 1938.

The object of the above publicity was to lead up to and encourage the Physical Fitness Campaign (to commence in March, 1938) to be conducted by the various Education Authorities, under the Physical Training and Recreation Act, 1937.

**National Health Campaign Meeting.**

On the 7th December, 1937, a General Public Meeting, promoted by the Health Department, was held in the Town Hall. The meeting was addressed by Mr. Geoffrey Shakespeare, M.P. (Parliamentary Secretary to the Admiralty), and Mr. C. G. Ammon, M.P. for North Camberwell, and His Worship the Mayor (Councillor H. Shepherdson) presided. Representatives of the Town Council, Voluntary Organisations and neighbouring Local Authorities attended in a representative capacity, and supported the Meeting by their presence on the platform.

During the meeting two excellent Health Films were exhibited—"The Health of the Nation" and "Citizens of the Future."

The Meeting was extremely well attended and the results were very gratifying to the Speakers and all concerned, and well repaid the efforts involved in making the Meeting the success it was.

Also in connection with this Campaign, arrangements were made with the local Cinema Proprietors for the display in the local Picture Houses during the winter months of a film, "One Hundred Years."

The five Empire Marketing Boards belonging to the Department have been fully utilised during the year. Monthly posters, of an attractive nature, prepared by the Central Council for Health Education, have been displayed, and by this means it is hoped that much good will result in bringing to the notice of the public simple doctrines and advice for the betterment of the health of the community. Also a brochure has been published giving a comprehensive survey of the whole of the Health Services available in the Borough. Copies of this Handbook have been distributed to Medical Practitioners, Members of Voluntary Organisations and kindred Associations in the Town.

In accordance with the request of the Ministry of Health, a handbill setting forth in brief detail the Hospital and Health Services has been distributed through the agency of the local Branch Post Offices.



**WEEKLY MEANS OF OBSERVATIONS AT THE BOROUGH  
METEOROLOGICAL OBSERVATORY, STOCKPORT.**

Latitude 53° 24' 12" N.      Longitude 2° 9' 14" W.

Cistern of Barometer 261-56 feet and top of Raingauge 285 feet  
above Mean Sea-level.

1937.	<i>Thermometers.</i>		<i>Average daily Rain- fall.</i>	1937.	<i>Thermometers.</i>		<i>Average daily Rain- fall.</i>
	<i>Underground.</i>				<i>Underground.</i>		
	<i>1 Foot.</i>	<i>4 Feet.</i>			<i>1 Foot.</i>	<i>4 Feet.</i>	
1st week	43°	44°	.16	27th week	60°	56°	.13
2nd „	42	45	Nil.	28th „	63	57	.16
3rd „	40	44	.12	29th „	61	58	.10
4th „	41	44	.02	30th „	59	57	Nil.
5th „	41	43	.09	31st „	65	57	.03
6th „	40	43	.13	32nd „	65	60	.07
7th „	40	43	.15	33rd „	60	59	.02
8th „	40	43	.09	34th „	61	59	Nil.
9th „	39	42	.02	35th „	61	59	.08
10th „	37	41	.01	36th „	59	59	.01
11th „	38	41	.09	37th „	55	57	.10
12th „	40	42	.05	38th „	55	56	.03
13th „	39	41	.01	39th „	55	56	Nil.
14th „	42	42	.06	40th „	54	55	Nil.
15th „	46	44	.04	41st „	51	54	Nil.
16th „	46	45	.20	42nd „	49	53	.08
17th „	48	46	.02	43rd „	48	52	.08
18th „	50	47	.07	44th „	48	52	Nil.
19th „	49	48	.03	45th „	45	50	.01
20th „	50	48	.05	46th „	40	47	.06
21st „	55	50	.10	47th „	40	46	.02
22nd „	56	52	.05	48th „	41	45	.17
23rd „	57	52	.03	49th „	37	45	.06
24th „	57	53	.20	50th „	35	43	.06
25th „	57	54	Nil.	51st „	37	42	.01
26th „	60	55	.05	52nd „	38	43	.01

# MEMORANDUM

TO : THE PRESIDENT  
FROM : THE SECRETARY OF THE ARMY  
SUBJECT: [Illegible]

[Illegible text block]

## REFERENCE

[Illegible text block]



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