

**[Report 1933] / Medical Officer of Health, Lincoln City.**

**Contributors**

Lincoln (England). City Council.

**Publication/Creation**

1933

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44497  
City and County Borough of Lincoln



# ANNUAL REPORT

OF THE

## MEDICAL OFFICER OF HEALTH

FOR THE YEAR

1933

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LINCOLN :

"CHRONICLE & LEADER" PRINTING WORKS.



5539

City and County Borough of Lincoln



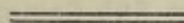
# ANNUAL REPORT

OF THE

## MEDICAL OFFICER OF HEALTH

FOR THE YEAR

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LINCOLN :

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# City and County Borough of Lincoln.

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## The Mayor :

COUNCILLOR G. DEER.

## Public Health and Hospitals Committee :

*Chairman* : ALDERMAN T. NOWELL.

THE MAYOR (COUNCILLOR G. DEER).

ALDERMAN	C. H. DOUGHTY.	COUNCILLOR	M. LANE.
"	C. E. SNOOK.	"	A. TUCK.
COUNCILLOR	J. K. FOX.	"	W. A. HOWITT.
"	W. SINDELL	"	P. H. BIRKETT.
		"	R. THOMPSON

## Maternity and Child Welfare Committee :

*Chairman* : ALDERMAN C. E. SNOOK, J.P.

THE MAYOR (COUNCILLOR G. DEER).

ALDERMAN	C. H. DOUGHTY.	COUNCILLOR	W. A. HOWITT.
"	T. NOWELL.	"	P. H. BIRKETT.
COUNCILLOR	J. K. FOX.	"	R. THOMPSON.
"	W. SINDELL.	MRS.	O. DEER.
"	M. LANE.	"	H. RAYMENT.
"	A. TUCK	"	E. WESTWOOD.
		"	J. HARRIS.

## Public Assistance Committee :

*Chairman* : COUNCILLOR W. SINDELL, J.P.

The Public Assistance Committee consists of all the members of the City Council.

## House Sub-Committee :

*Chairman* : COUNCILLOR J. J. LEAMY, J.P.

COUNCILLOR	J. E. FORDHAM.	COUNCILLOR	J. W. PRESTON.
"	J. K. FOX	"	W. F. HALLIWELL.
"	W. SINDELL.	"	T. H. DAVEY.
"	M. LANE.	"	L. J. MILLS.
"	H. WILLCOX.	"	J. G. THACKER.
"	H. BENNETT.	"	A. E. BRUNNING.
"	R. THOMPSON.		

## PUBLIC HEALTH STAFF as at 31st DECEMBER, 1933.

Medical Officer of Health	M. L. BERY, M.B., CH.B., D.P.H.
Deputy Medical Officer of Health	M. M. J. MAUGHAN, M.B., CH.B., D.P.H.
Public Vaccinator	†W. SHARRARD, M.B., CH.B.
Public Analyst	†JOHN EVANS, F.I.C. (Sheffield).
Veterinary Inspector	†E. PORTER-SMITH, M.R.C.V.S.
Chief Sanitary Inspector	*DUNCAN G. MCGILL, Certificate of Royal Sanitary Institute
Deputy Chief Sanitary Inspector	*HAROLD SHIMELD, Certificate of Royal Sanitary Institute.
Sanitary Inspector	*F. L. G. CHAPMAN Certificate of Royal Sanitary Institute.
Assistant Sanitary Inspector	J. W. HOE, Certificate of Royal Sanitary Institute.
Chief Clerk	C. G. TOMLINSON.
Vaccination Officer	C. H. COCKETT.
Assistant Clerks	M. M. HERRING. M. M. HOPPINS. G. A. WARD. Certificate of Royal Sanitary Institute.
Laboratory Attendant	J. H. SIMS.

### Tuberculosis.

Tuberculosis Officer	†M. L. BERY, M.B., CH.B., D.P.H.
Assistant Tuberculosis Officer	†M. M. J. MAUGHAN, M.B., CH.B., D.P.H.
Tuberculosis Nurses	A. WOOD. ¶§E. COOK, S.R.N.

### Venereal Diseases.

Consultant Medical Officer	†A. S. PLANT, M.R.C.S., L.R.C.P.
Medical Officer (Male Clinics)	†M. L. BERY, M.B., CH.B., D.P.H.
Medical Officer (Female Clinics)	†BRIDGET MAUD FOLEY, M.B., CH.B., D.P.H.
Nurse	†¶M. V. ARMSTRONG.
Orderly	J. H. SIMS.



STAFF—*continued***City Hospital and Sanatorium.**

Medical Superintendent	†M. L. BERY, M.B., CH.B., D.P.H.
Resident Medical Officer	†M. M. J. MAUGHAN, M.B., CH.B., D.P.H.
Matron	§  E. O'KANE, S.R.N.
Assistant Matron	K. McGARRY, F.N.A.
Clerk	B. G. STREET.

Nursing, Male, Out-Door, and Domestic Staff at City Hospital  
and Sanatorium.

**Maternity and Child Welfare.**

Medical Superintendent	†M. L. BERY, M.B., CH.B., D.P.H.
Assistant Medical Officer	BRIDGET MAUD FOLEY, M.B., CH.B., D.P.H.
General Superintendent	¶§  E. M. DAVIES, S.R.N., Certificate of Royal Sanitary Institute, Diploma of Hygiene R.S.I.
Health Visitors	¶§H. HUBBARD, S.R.N., Infant Welfare. ¶§A. M. EMPRINGHAM, S.R.N., Infant Welfare. ¶†M. V. ARMSTRONG, Ante-natal & V.D.
Sister in Charge of Maternity Home	¶§E. TWISS, S.R.N.
"Light" Sister	‡¶M. CREDLAND,
District Midwives	¶E. STARRITT. ¶E. M. DAWBER. ¶M. A. STEELES. ¶E. D. MONCASTER. ¶F. P. HARROLD. ¶A. CHAPPELL.
Clerks	E. KETTLEBORO. H. M. CLAY. M. STANGER. A. M. WHITEHEAD.

Pupil Midwives and Domestic Staff at Maternity Home.

STAFF—*continued*

## Public Assistance Committee.

Chief Administrative Medical Officer	M. L. BERY, M.B., CH.B., D.P.H.
Medical Officer, Burton Road Institution	†J. LYONS, M.D., CH.B., D.P.H.
Master	E. RAITHBY.
Matron	¶§L. A. DODDS (Mrs.) S.R.N.
Superintendent Nurse	¶§M. VALE, S.R.N.
District Medical Officer (North)	†G. D. SUMMERS, M.R.C.S., L.R.C.P.
District Medical Officer (South)	†K. P. HARE, M.B., B.S.

## Nursing, Clerical and Domestic Staff.

*Meat and Food certificate	¶Certified Midwife.
§General trained.	Fever trained.
†Part-time.	‡Part-time Health Visitors.



City Health Department,

Beaumont Fee,

Lincoln,

*May, 1934.*

Mr. Mayor, Aldermen and Councillors.

I have the honour to present to you my fourth Annual Report on the health of the City during 1933.

It is not a survey report, but contains information on all the activities of the Public Health Department and is drawn up in accordance with the Ministry of Health Circular 1346.

The Death Rate was 12.4 per 1,000 population as compared with 12.3 for England and Wales and 12.2 for London; the Birth Rate was 12.1 per 1,000 population as compared with 14.4 for England and Wales and 13.2 for London and the Infant Mortality Rate was 42 per 1,000 Births as compared with 64 for England and Wales and 59 for London.

The Birth Rate was the lowest on record and for the first time the Death Rate exceeded the Birth Rate in the City. The classification of deaths, according to age, showed that more than half the deaths occurred in persons above 65 years of age and over three quarters of the deaths occurred in persons above the age of 45 years. The Infant Mortality Rate was the lowest on record.

No cases of Smallpox occurred in the City during the year, but the Osgodby Smallpox Hospital was available for the reception of Smallpox cases.

The total number of notified cases of Infectious Disease was 1,018, out of which 368 notifications were in respect of Chickenpox. There was an increase in the number of notifications of Scarlet Fever, but, fortunately, the disease was of a mild type and there were no deaths.

The total number of notifications in respect of All Forms of Tuberculosis was 80 as compared with 103 in the previous year. The incidence of Pulmonary Tuberculosis has shown a steady decrease during the last five years. Efforts were continued during the year to lay stress and importance on the early detection of Tuberculous Infection as the chances of complete cure are more hopeful if patients receive treatment at an early period of infection. The importance of early sputum examination in all doubtful cases was also emphasised. The results of Orthopaedic Treatment in cases of Tuberculous Disease continued to be satisfactory. The X-ray apparatus which was installed at the City Hospital during 1932 has been of great use in the diagnosis and supervision of patients.

The total number of X-ray examinations in connection with the Tuberculosis Scheme was 204 as compared with 88 in the previous year.

Sixty families were re-housed by the Local Authority during 1933 in houses which were built by the Corporation under the Housing Act, 1930.

The total number of unemployed in the City showed a reduction as compared with 1932, but there was an increase in the number of persons who were in receipt of Out-door Relief. Unfortunately, there is still a serious amount of unemployment in the City, and all measures that would assist in keeping up the physical condition of the community should, in my opinion, be maintained.

In conclusion I wish to thank all members of the Council for their keen interest in the various problems put before them in connection with the health of the City, and I take this opportunity to express my appreciation of the good work accomplished by the members of the staffs of the Health Department, City Hospital and Sanatorium and the Maternity and Child Welfare Department.

I have the honour to remain,

Your obedient Servant,

M. L. BERY,

Medical Officer of Health.



# STATISTICAL SUMMARY.

## 1. General Statistics.

Area of City in acres	...	...	...	...	...	6,128
Population—Census, 1931	...	...	...	...	...	66,243
„ —Estimated Mid-year 1933	...	...	...	...	...	65,320
Number of inhabited houses, 1931	...	...	...	...	...	16,956
„ „ families separate or occupiers, 1931	...	...	...	...	...	17,527
„ „ inhabited houses, 1st October, 1933	...	...	...	...	...	17,620
Rateable value, 1933	...	...	...	...	...	£422,329
Sum represented by Penny rate, 1933, General Rate	...	...	...	...	...	£1,635

## 2. Extracts from Vital Statistics for the year.

Live Births :—				Males	Females	Total	Birth-rate per 1,000 population.
Legitimate	...	...	376	366	742		
Illegitimate	...	...	28	22	50		
Totals			404	388	792	12.1	Rate per 1,000 total (live and still) births
Still-births	...	...	26	10	36	43	
Deaths	...	...	404	404	808	12.4	Death-rate per 1000 population.
Deaths from puerperal causes :—						Rate per 1000 total (live and still) births	
From Sepsis	...	...	...	...	1	1.2	
Other puerperal causes	...	...	...	...	8	9.7	
Total	...	...	...	...	9	10.9	
Death-rate of infants under one year of age per 1000 live births :—							
Legitimate	...	42	Illegitimate	...	40	Total	42
Number of deaths from Measles (all ages)				...	...	...	1
"	"	"	"	Whooping Cough (all ages)			—
"	"	"	"	Diarrhoea (under 2 years of age)			3

## 3. Death Rate per 1,000 of Population from :—

Pulmonary Tuberculosis	...	...	...	...	...	0.77
Other Tuberculous Diseases	...	...	...	...	...	0.09
Diphtheria	...	...	...	...	...	0.05
Scarlet Fever	...	...	...	...	...	—
Measles	...	...	...	...	...	0.02
Whooping Cough	...	...	...	...	...	—
Diarrhoea (under 2 years)	...	...	...	...	...	0.05
Cancer	...	...	...	...	...	1.32
Influenza	...	...	...	...	...	0.55

### Social Conditions.

The chief industries of the city are those connected with engineering, and comprise the manufacture of engines, boilers, pumps, wagons and agricultural implements. Lincoln is also an important market town and shopping centre for the surrounding rural areas.

### Unemployment.

I am indebted to the Manager of the Lincoln Employment Exchange for the following information on the state of employment in the city on the 1st January, 1934. The corresponding figures for 19th December, 1932, are also given for comparison.

Number on Register of Lincoln Employment Exchange :—

	Wholly unemployed		Temporarily Stopped		Total	
	19.12.32	1.1.34	19.12.32	1.1.34	19.12.32	1.1.34
Men ...	5533	4621	762	220	6295	4841
Boys ...	231	188	7	—	238	188
Women	440	413	74	126	514	539
Girls ...	231	270	17	16	248	286
Total ...	6435	5492	860	362	7295	5854

The total number of unemployed in the City showed some reduction as compared with the number in 1932, but there was a large increase as shown below in the number of persons, especially able-bodied, who are in receipt of out-door relief. Unfortunately there is still a large amount of unemployment and this is mainly affecting men who are the natural breadwinners in the home.

The following are particulars in connection with Poor Law Relief which have been supplied by the Town Clerk.

#### In-door Relief.

##### 1. Number of persons admitted to Burton Road Institution :—

	1931	1932	1933
For In-door Relief ...	66	58	64
For Medical Treatment ...	313	331	348

##### 2. Number of persons in Burton Road Institution on :—

1st Jan., 1932.	1st Jan., 1933.	1st Jan., 1934.
191	211	195
(excluding Mental cases).		

#### Out-door Relief.

Number of persons receiving out-door relief :—

	Non-able-bodied		Able-bodied	
	1.1.33	1.1.34	1.1.33	1.1.34
Men ...	997	1014	465	1475
Women ...	1508	1573	451	1395
Children ...	887	928	445	1835
Total ...	3392	3515	1361	4705



Total amount of extra winter relief granted to the following persons during the year ended :—

	31st March, 1933.	31st March, 1934.
	£1,113 14s. 0d.	£3,359 6s. 0d.
Men	1,293	2,062
Women	1,221	2,554
Children	1,697	2,545
	<hr/> 4,211 <hr/>	<hr/> 7,161 <hr/>

Total amount of Non-Able-Bodied Relief including Medical Relief and coal granted for the year ended :—

31st March, 1933.	31st March, 1934.
£65,240 7s. 3d.	£70,379 10s. 4d.

Total amount of Able-Bodied Relief granted for the year ended :—

31st March, 1933.	31st March 1934.
£19,561 9s. 6d.	£23,744 7s. 1d.

## GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

### (1) Laboratory Facilities.

There has been no change from the arrangements described in my report for 1932.

### (2) Ambulance Facilities.

- (a) Two motor ambulances are kept at the City Hospital for infectious cases.
- (b) Two motor ambulances are kept at the Central Police Station for non-infectious and accident cases, and these are available for maternity cases.

### (3) Nursing in the Home.

The arrangements with the Lincoln District Nursing Association for the nursing of patients in their homes were continued as in the previous years. They attend cases of any nature, with the exception of certain notifiable diseases.

The details of the arrangements made by the Council with the Association were described in my previous Report.

During 1933 the Association nursed a total number of 736 cases, and of these 293 were nursed free of charge. The corresponding figures for 1932 were 774 and 372.

In addition Home Helps are employed by the Maternity and Child Welfare Department, and their services were utilised in 44 cases.

No special nurses are employed for the nursing of infectious diseases in the home.

(4) **Clinics and Treatment Centres.** See page 12.

(5) **Hospitals.** Public and Voluntary.

*I. Provided by the Local Authority,*

**1(a). City Hospital and Sanatorium.**

The accomodation provided is as follows:—

For treatment of	Infectious Diseases	...	...	56	beds
„	„	„	Tuberculosis	...	47 „
				Total	103 beds

In addition to notifiable Infectious Diseases complicated cases of Measles, Whooping Cough, Influenza, Pneumonia, Ophthalmia Neonatorum and Puerperal Fever are also admitted. These are generally treated in the Cubicle Block where ten beds are available.

The total number of Lincoln cases of infectious and other Diseases, excluding Tuberculosis, which were admitted during the year was 386 ; of these 188 were suffering from Scarlet Fever, and 104 were suffering from Diphtheria.

The deaths from Infectious Diseases numbered 10. (7 from Pneumonia and 3 from Diphtheria.)

The number of cases admitted from Outside Authorities was 21 as compared with 25 in 1932. Seven of these cases were Diphtheria.

The total number of patients admitted as suffering from Tuberculosis was 105.

One case of Tuberculosis was admitted from an Outside Authority.

Full statistics are attached in tabular form at the end of this Report.

The City Hospital is recognised by the General Nursing Council as a training school for fever nurses.

There is now an efficient X-ray plant at this Hospital in connection with the Tuberculosis Scheme.



### Clinics and Treatment Centres.

The Clinics and Treatment Centres provided by the Local Authority and Education Authority in the City were as follows :—

	<i>Days and Hours of Clinic.</i>	<i>Place where Clinic is held.</i>
<b>Tuberculosis Clinics</b>		
CHILDREN ...	Tuesday, 9.30 a.m.-12.30 p.m.	City Health Department, Beaumont Fee
ADULTS ...	{ Tuesday, 5 p.m.-7 p.m. { Friday, 5 p.m.-7 p.m.	" " "
<b>Venereal Diseases</b>		
WOMEN ...	{ Monday, 9.30 a.m.-12.30 p.m. { Thursday, 9.30 a.m.-12.30 p.m. Intermediate Treatment by Appointment	" " "
MEN ...	{ Monday, 5 p.m.-7 p.m. { Thursday, 5 p.m.-7 p.m. Intermediate Treatment, Monday to Friday 12 noon-1 p.m. & 6 p.m.-7 p.m. Saturday, 11.15 a.m.-12.15 p.m.	" " "
<b>Special Treatment Clinic for Women</b>	Tuesday, 9.30 a.m.- 12.30 p.m.	Infant Welfare Centre, Newland
<b>Light Treatment</b>	NEW CASES Wednesday 11 a.m.-12.30 p.m. Saturday 9.30 a.m.-12.30 p.m. CLINICS Tuesday 4 p.m.-5.30 p.m. Friday 4 p.m.-5.30 p.m.	" " " " " " " " "
<b>Infant Welfare Clinics</b>	Monday, 2 p.m.-4 p.m. Tuesday, 2 p.m.-4 p.m. Wednesday, 2 p.m.-4 p.m. Thursday, 2 p.m.-4 p.m. Friday, 2 p.m.-4 p.m.	St. Matthew's Hall, Boultham Park Road Infant Welfare Centre, Newland Infant Welfare Centre, Newland Bailgate Chapel, Bailgate Infant Welfare Centre, Newland
<b>Ante-Natal Clinics...</b>	Friday, 9.30 a.m.-12.30 p.m.	" " "
<b>Birth Control Clinics</b>	By Appointment	" " "
<b>Dental Clinic for Children under 5 years of age, and Pregnant and Nurs- ing Mothers ...</b>	Wednesday, 9.30 a.m.-12 noon	" " "
<b>Clinics for School Children</b>		
Minor Ailment	Each Week-day, 9 a.m.	School Clinic, Silver Street St. Giles School.
" "	" " "	
Medical Clinic ...	{ Monday, 2 p.m.-4.30 p.m. { Thursday, 2 p.m.- 4.30 p.m.	School Clinic, Silver Street
Eye Clinic...	{ Wednesday, 9 a.m.-12 noon { Friday, 2 p.m.-4.30 p.m.	" " "
Dental Clinic ...	Monday to Friday 9.30 a.m.-12 noon 2 p.m.-4 p.m. Saturday, 9.30 a.m.-12 noon	" " "
Orthopaedic Clinic	By Appointment, Apply : City Health Department	" " "

### (b) Smallpox Hospital.

The Osgodby Smallpox Hospital, which is under the control of the Lindsey and Lincoln Joint Smallpox Hospital Board, was available during the year for the reception of cases from Lincoln.

### 2. City Maternity Home, Newland.

This contains twelve beds. Both complicated and uncomplicated maternity cases are admitted.

On the second floor of the Infant Welfare Centre, adjoining the City Maternity Home, five beds are available for maternity cases suffering from Sepsis or from V.D.

### 3. Burton Road Institution.

The total accommodation recognised in the Infirmary is as follows :-

For men	...	...	...	...	...	93 beds
„ women	...	...	...	...	...	92 „
„ children	...	...	...	...	...	24 „
Total						209 beds

I am of the opinion that the number of beds recognised in the wards of the Infirmary produces overcrowding, and on account of the arrangement of the wards and the type of building it is difficult to nurse the patients adequately. Moreover, the accommodation provided for Mental Defectives is not suitable as it is not possible to provide any degree of training or helpful employment for the patients.

## II. Hospitals not wholly subsidised by the Local Authority.

### County Hospital.

This is a general Hospital and cases are admitted from all over Lincolnshire.

In-patient and out-patient statistics are as follows :—

<i>In-Patients.</i>	1932	1933
1. Number of beds available for use...	150	150
2. Average number of patients throughout the year	141	142
3. Number of in-patients in hospital at beginning of year	119	113
4. Number of in-patients admitted during the year	2587	2701
5. Number of in-patients in hospital at end of year	113	106
6. Average number of days each patient was resident	20	19
7. Number of deaths	155	166



<i>Out-Patients.</i>				1932	1933
1.	Total number of new out-patients	...	...	8326	8406
2.	Total number of out-patient attendances	...	...	29920	30226
	(a) No of casualty patients included in No. 1 above	...	...	1874	2018
	(b) No. of casualty attendances included in No. 2 above	...	...	4959	5518

The Hospital is equipped with an efficient X-Ray Plant, and has arrangements for treatment by electricity, heat baths and massage.

There is also an Ophthalmic Department.

The new blocks for providing further accommodation in connection with the County Hospital are still under process of completion.

**(6) Local Government Act, 1929.**

The details of the Declaration made by the Lincoln City Council in connection with the above Act were given in my Report for 1930. There were no important alterations during the year 1933.

Five Members of the City Council are also Members of the Board of Management of the Voluntary County Hospital, but no consultations were found necessary with the representatives of the Voluntary Hospital as required by Section 13 of the Local Government Act, 1929.

**(7) Poor Law Medical Out-door Relief.**

There were no changes in the arrangements for administering the Poor Law Medical Out-door Relief during the year.

**(8) Institutional Provision for the care of Mental Defectives.**

The Joint Board representing the two County Boroughs and three County Areas of Lincolnshire bought Harmston Hall during 1931, but it is not yet ready for receiving any Mental Defective cases.

The Burton Road Institution is recognised by the Board of Control for the reception of 10 male adults and 10 female adults, but is not approved for the reception of children. Moreover, the accommodation provided for Mental Defectives is not suitable as it is not possible to provide any degree of training or helpful employment for the patients.

Other Outside Institutions have been used whenever possible for the care of Mental Defectives from the City.

Details of the work carried out under the Mental Deficiency Acts, 1913 and 1927 are given on pages 32 and 33.



**(9) Maternity and Nursing Homes.**

Midwives and Maternity Homes Act, 1926 (Part II.), and Nursing Homes Registration Act, 1927.

Number of applications for Registration	...	...	...	...	1
„ „ Homes registered	...	...	...	...	1
„ „ orders made refusing or cancelling Registration	...	...	...	...	Nil
„ „ appeals against orders	...	...	...	...	Nil
„ „ cases in which such orders have been (a) confirmed	...	...	...	...	Nil
				(b) disallowed...	Nil
„ „ applications for exemption from Registration	...	...	...	...	1
„ „ cases in which Exemption has been (a) granted	...	...	...	...	1
				(b) withdrawn	Nil
				(c) refused	Nil

**(10) Institutional Provision for Unmarried Mothers, Illegitimate Infants, and Homeless Children.**

Unmarried mothers are received for the first confinement into the City Maternity Home.

The St. Hugh's Home for Boys is provided by the Waifs and Strays Society.

The following Homes are provided by the Public Assistance Committee for homeless children :—

1. Scothern Home for Boys.—This has accommodation for thirty children, and is situated outside the City.

2. Long Leys Home for Boys has accommodation for sixteen children.

3. Saxon Street Home for Girls.—This has accommodation for thirty children, but the accommodation provided is not satisfactory.

**Meteorology.**

The Meteorological Station is situated in the grounds of the Health Department in Beaumont Fee. The site is 48 feet above sea level.

The total amount of rain during the year amounted to 22.29 inches, as compared with 21.59 inches in 1932. More rain fell in July and October than in any of the other months of the year. August was the driest month.

The highest reading of the maximum thermometer was 89° on the 29th August, and the lowest reading of the minimum thermometer was 22° on the 23rd January.

The four warmest months of the year were June, July, August and September, and the coldest month of the year was January (Appendices 1 and 2). There are no instruments for recording the amount of sunshine.



### Legislation in Force.

Full details of the legislation in force in Lincoln were given in my Report for 1931.

Sections 25 and 26 of the Public Health Act, 1925 (Part II) came into force on the 1st October, 1933.

### VITAL STATISTICS.

#### Population.

According to the Census Returns during 1931 the population was 66,243. This showed an increase of 201 over the Census Returns in 1921. The Registrar General's estimate of the mid-year population of Lincoln for 1933 is 65,320, as compared with 65,840 for 1932.

#### Marriages.

The number of marriages solemnised in Lincoln was 570, being 11 more than in the previous year. The marriage rate per 1,000 of the estimated population was 8.7 as compared with 7.9 for England and Wales.

The number of marriages which was solemnised for the last 10 years in the City is as follows :—

1924	1925	1926	1927	1928	1929	1930	1931	1932	1933
593	584	487	596	518	514	375	554	559	570

#### Births.

The total births registered was 875, but the Nett Births were only 792. This number is less than that of any of the previous ten years, and the Birth-Rate (12.1) is the lowest of any year in the last decennium. 50 births were illegitimate. The largest number of births occurred in the Minster Ward, which had also the highest Birth-Rate (13.5).

91 babies were born in Lincoln of persons ordinarily resident outside the City, and 8 babies were born outside the City of persons ordinarily resident within the City.

#### Still-Births.

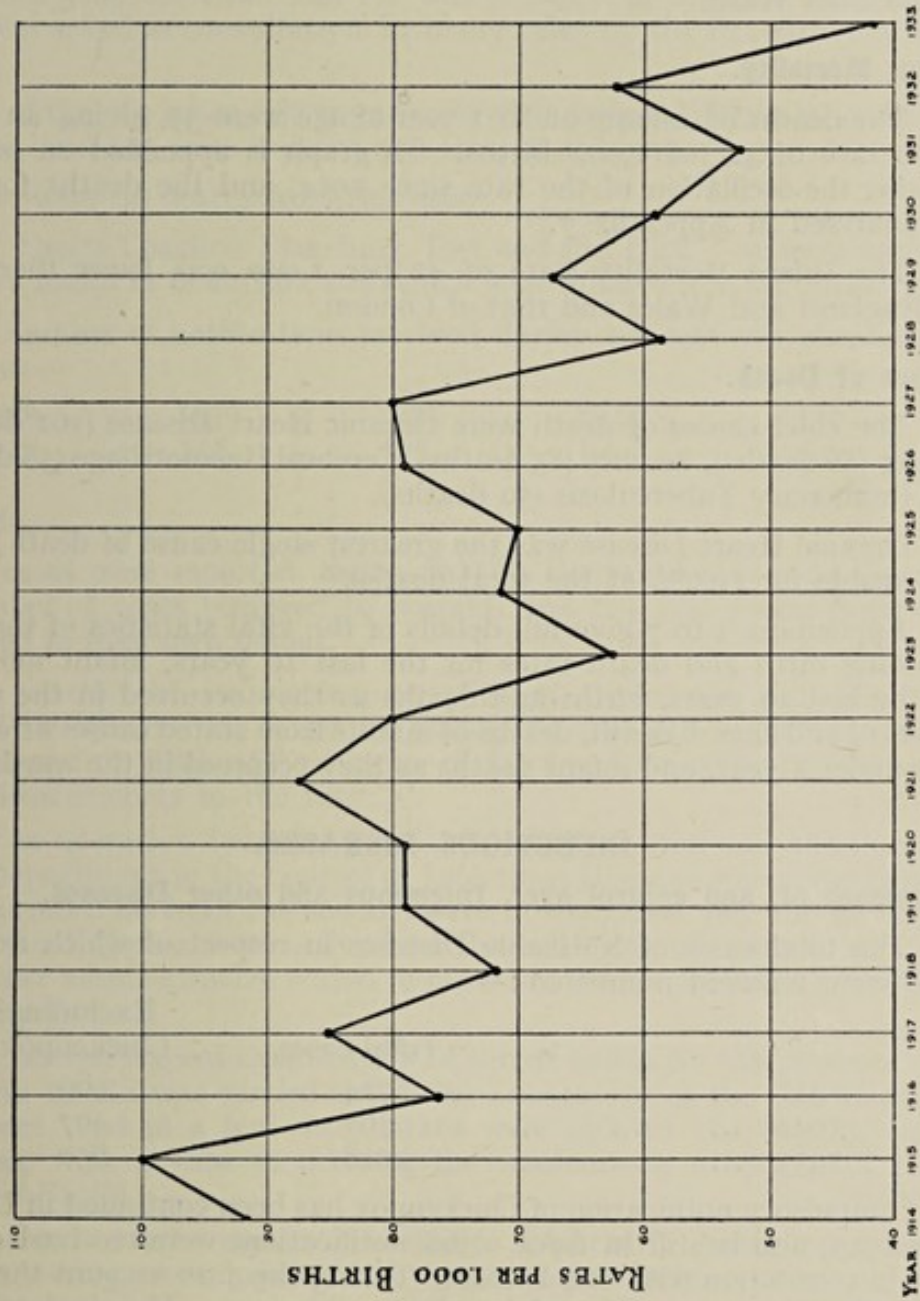
The total still-births registered numbered 40, and the nett still-births were 36.

#### Deaths.

The nett deaths for the City during 1933 numbered 808, giving a death rate of 12.4 per 1,000 of the population, being more than the previous year by 14 or 0.3 per 1,000 of the population.

32 persons ordinarily resident within the City died elsewhere, and 133 persons belonging to other districts died in Lincoln.

CHART OF INFANT MORTALITY 1914-1933





The death rate for Lincoln was slightly higher than the rate for England and Wales, and that of London.

More than half the deaths in the City occurred in persons above 65 years of age.

The highest death-rate occurred in the Park Ward and the lowest in the Foss Ward.

### **Infant Mortality.**

The deaths of infants under 1 year of age were 33, giving an infant death rate of 42 per 1,000 births. A graph is appended on page 17 shewing the oscillation of the rate since 1914, and the deaths for 1933 are analysed in Appendix 7.

The Infant Mortality Rate of 42 per 1,000 was lower than that for England and Wales and that of London.

### **Causes of Death.**

The chief causes of death were Organic Heart Disease (161 deaths), Cancer (86 deaths), Senility (85 deaths), Cerebral Haemorrhage (58 deaths) and Pulmonary Tuberculosis (50 deaths).

Organic Heart Disease was the greatest single cause of death, being responsible for 19.9% of the total deaths.

Appendices 3 to 7 give full details of the vital statistics of the City, including birth and death rates for the last 10 years, infant mortality for the last 10 years, births and deaths as they occurred in the wards, causes of and ages of death, deaths of infants from stated causes at various ages under 1 year, and infant deaths as they occurred in the wards.

## **INFECTIOUS DISEASES.**

### **Prevalence of, and control over, Infectious and other Diseases.**

The total cases of Notifiable Diseases in respect of which notifications were received numbered :—

	Total cases.				Excluding Chickenpox.
1931	...	...	...	724	469
1932	...	...	...	767	407
1933	...	...	...	1018	650

Compulsory notification of Chickenpox has been continued in Lincoln since 1927, and is still in force. 368 notifications were received during 1933 in connection with this Disease. Taking this into account the other Notifiable Diseases numbered 650 during the year. The increase was practically all due to the notifications of Scarlet Fever.

Appendix 8 gives the yearly notifications of Infectious Diseases for the last 20 years.

The investigation of notifiable infectious diseases is carried out by the Sanitary Inspectors and the investigation of non-notifiable infectious diseases in children by the School Nurses and Health Visitors.



### Scarlet Fever.

The number of notifications of this disease during 1933 was 303 as compared with 64 in the previous year. The major portion of notifications was received in the last four months of the year. The type of the Disease was mainly mild. All the typical signs of Scarlet Fever were not present in a good few cases and for this reason your Medical Officer of Health was asked in consultation in many cases by the Practitioners in the City.

Out of the 303 cases, 188 were removed to hospital for isolation and treatment, and 115 were isolated and treated at home.

There were no deaths from this cause.

The Esholtz-Charlton Blanching Test and the Dick Test were found to be very useful in doubtful cases which were admitted to Hospital.

The number of notifications received during the last five years was as follows:—

1929	1930	1931	1932	1933
177	148	125	64	303

### Diphtheria.

106 cases were reported during 1933 as compared with 105 in 1932. The number of cases removed to hospital was 104, and 2 were isolated and nursed in their own homes.

The practice of issuing free supplies of Diphtheria Antitoxin to Medical Practitioners was continued during the year and 7 phials of 4,000 units each and 10 phials of 8,000 units each were obtained by the various Medical Practitioners in the City.

Full co-operation between the School Medical Staff and the Public Health Department in the control of Infectious Diseases was maintained and all intimations from the schools were investigated and the services of the School Nurses were utilised in the swabbing of contacts and in taking other administrative action in checking the spread of this Disease in the schools.

The bacteriological examination of throat swabs for the presence of Diphtheria Bacilli was carried out in the Laboratory of the City Health Department, and in a few cases swabs were sent to the Nottingham Laboratory with a view to deciding the virulence or otherwise of the Diphtheria Bacilli.

Three deaths were reported as due to Diphtheria during 1933 and their ages were 3 years, 5 years and 5 years respectively.

The Schick Test was used in some doubtful cases at the City Hospital.

No Clinic for the artificial immunization against Diphtheria has yet been established in Lincoln.

The number of notifications received during the last five years was as follows:—

1929	1930	1931	1932	1933
89	73	56	105	106



**Erysipelas.**

13 cases were notified, as compared with 18 in 1932, and 1 case was removed to the City Hospital for treatment. Two cases were found to be suffering from Erysipelas at the County Hospital and received their treatment in that Hospital.

There were no deaths from this cause.

**Enteric Fever.**

No case of Enteric Fever was notified during the year, and there were no deaths reported from this cause.

The number of notifications received during the last five years was as follows :—

1929	1930	1931	1932	1933
8	6	2	1	—

**Encephalitis Lethargica.**

One notification of this Disease was received during 1933. The patient was a woman aged 31 years and died in the County Hospital.

There were no other deaths from this cause.

The number of notifications received during the last five years was as follows :—

1929	1930	1931	1932	1933
3	3	2	2	1

**Cerebro-Spinal Fever.**

No cases of Cerebro-Spinal Fever were notified in 1933, and there was no death reported from this cause.

The number of notifications received during the last five years was as follows :—

1929	1930	1931	1932	1933
—	1	1	1	—

**Malaria.**

No case of Malaria was notified during 1933, and no death was certified as due to this cause.

The number of notifications received during the last five years was as follows :—

1929	1930	1931	1932	1933
—	—	1	—	—

**Acute Polio-Myelitis.**

One case was notified during 1933, and was removed to the City Hospital. No death occurred from this cause, and no cases were notified during the previous 4 years.

No cases of **Acute Polio-encephalitis or Dysentery** have been reported during the last five years.

**Pneumonia.**

125 cases of pneumonia were notified during 1933, as compared with 88 in 1932. 20 cases occurred in children under 5 years of age ; 23 in children between 5 and 15 years of age, and the remainder in adults.

The deaths attributed to this cause number 37.

There is definite improvement in the notification of Pneumonia by the Local Medical Practitioners.

The City Hospital was utilised for treating cases where adequate nursing could not be provided at home. 22 cases were admitted to this Hospital during the year.

The number of notifications received during the last five years was as follows :—

1929	1930	1931	1932	1933
168	54	110	88	125

**Smallpox.**

No case of Smallpox was notified during 1933.

The Osgodby Smallpox Hospital was available for the treatment of cases suffering from Smallpox during the year.

Compulsory notification of Chickenpox is still in force in Lincoln.

The number of notifications of smallpox received during the last five years was as follows :—

1929	1930	1931	1932	1933
1	—	—	—	—

**Vaccination Statistics for the Year 1933.**

In a total of 875 births registered in Lincoln, 213 were successfully vaccinated, and 665 were exempted on grounds of conscientious objections on the part of the parents.

24.3% were vaccinated in the year as compared with 21.8% in 1932.

No vaccinations were performed by the Medical Officer of Health and Deputy Medical Officer of Health during the year.

**Chickenpox.**

In addition to 368 notifications of Chickenpox by medical practitioners, a certain number was discovered by the nursing staffs of the Child Welfare and School Medical Departments.

The largest percentage (63%) of cases occurred in children between the ages of 5 and 10 years.

No deaths occurred from Chickenpox.

The number of notifications received during the last five years was as follows :—

1929	1930	1931	1932	1933
291	490	255	360	368



### **Non-notifiable Infectious Diseases.**

#### **Measles.**

225 cases were brought to the notice of the Health Department during the year. The majority of the cases were reported by School Teachers or discovered by the School Nurses and Health Visitors during the course of their ordinary duties.

Cne death was certified as due to this Disease.

Measles is sometimes considered an ordinary complaint of children, but it ought to be more realised that great care is necessary in the treatment of children suffering from Measles on account of the serious after-effects that may occur.

#### **Mumps.**

10 cases were reported as against 104 during 1932, through the medium of the schools.

No deaths were certified as due to this cause.

#### **Whooping Cough.**

29 cases came to the knowledge of the Health Department during the year and these were discovered by the Health Visitors or School Nurses in the course of their home visits.

No death was reported from this cause.

#### **Influenza.**

The deaths directly attributed to Influenza were 36, as compared with 23 in 1932.

#### **Disinfections.**

The arrangements for disinfecting houses where cases of Infectious Disease have occurred were described in my Report for 1932, and there has been no change in the methods adopted. A detailed statement of the disinfections carried out during 1933 is given in Appendix 14.

#### **Cleansing of Persons.**

Part IV. of the Public Health Act, 1925, came into operation in Lincoln in June, 1930, and gives additional powers to deal with verminous persons and premises. At present, the only method of dealing with such persons is to admit them to the Poor Law Institution to be cleansed.

#### **Bacteriological Work.**

The amount of work carried out in the Health Department Laboratory again increased during 1933.

The routine work of the Laboratory included the examination by the incubation method of 2689 swabs for the detection of the Diphtheria bacillus, the examination of 535 specimens of expectoration for the



presence of the *Bacillus* of Tuberculosis or other organisms, 6 specimens of hair from the heads of children for the presence of the causal organism of Ringworm, and 51 specimens of urine.

In addition 1254 smears for the detection of the infecting organism of Gonorrhoea were examined in the Laboratory, chiefly in connection with the Clinics for Venereal Diseases.

583 tests were made in the Grimsby Laboratory for the Wassermann Reaction of Syphilis. 355 of these were in connection with the Venereal Clinics. 105 were for other institutions in the City, and 123 for private medical practitioners. (Appendix 15).

### Cancer.

The deaths from Cancer have again shown a decrease in the year under review, being 86 (39 males and 47 females) as compared with 99 in the previous year.

Over 79% of the deaths from cancer were in persons over 55 years of age, and only 4 deaths from this cause were in persons under 35 years of age, one of which was a girl aged 14 years.

The commonest site of cancer was the alimentary tract. The food passages and abdominal organs were the sites of cancer in 46 of the fatal cases. Cancer of the stomach was more common in women than in men. 5 women died of cancer of the breast, and 17 women from cancer of the reproductive and genital organs.

The cancer deaths were ascribed to :—

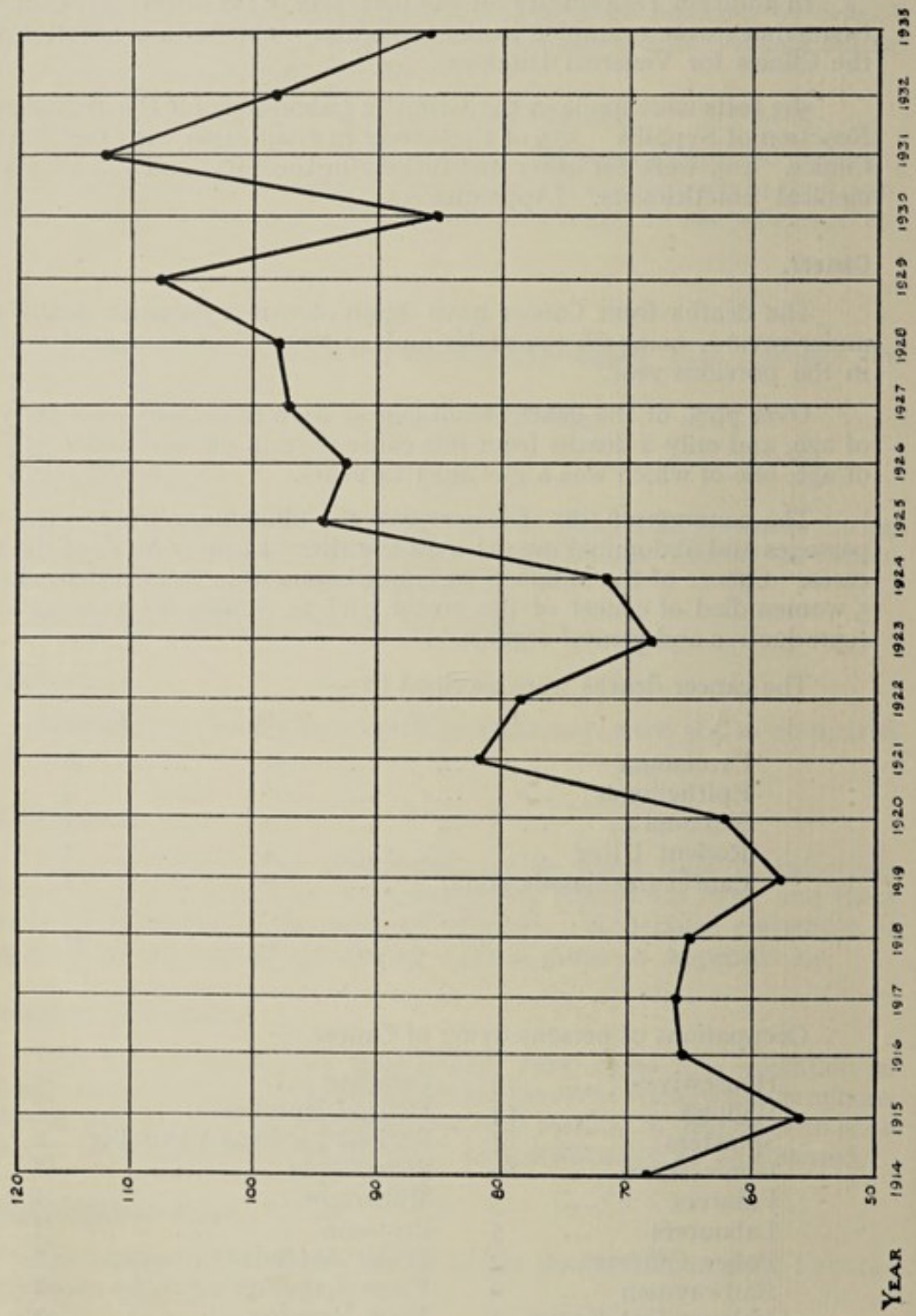
				<i>Males.</i>		<i>Females.</i>
Carcinoma	...	...	...	31	...	36
Epithelioma	...	...	...	—	...	4
Sarcoma	...	...	...	1	...	2
Rodent Ulcer	...	...	...	1	...	1
Cancer (no classification)	...	...	...	6	...	4
				—		—
				39		47
				—		—

Occupations of persons dying of Cancer :—

Housewives	...	29	Foreman	...	...	...	1
Widows	...	14	Retired Butcher	...	...	...	1
Spinsters	...	4	Retired Licensed Victualler	...	...	...	1
Ironworkers	...	10	Storekeeper	...	...	...	1
Painters	...	5	Millwright	...	...	...	1
Labourers	...	5	Postman	...	...	...	1
Police Officers	...	2	Boiler Attendant	...	...	...	1
Railwaymen	...	2	Farm Labourer	...	...	...	1
Independent Means	1		Boot Repairer	...	...	...	1
Consulting Engineer	1		Wagon Repairer	...	...	...	1
Land Agent	...	1	Bricklayer	...	...	...	1
Clerk	...	...					



# CANCER DEATHS 1914~1933



From the above classification it does not appear that any special industry has a special predisposing influence on the occurrence of malignant disease in the City.

Investigations are still being carried out in accordance with the Ministry of Health Circular 1136. 48 cases were investigated during the year.

The activities of the Lincolnshire Council in conjunction with the British Empire Cancer Campaign, which was formed in November, 1931, were continued during 1933. The Lincolnshire Council's headquarters are at the County Hospital. A certain amount of radium has been made available for the use of the medical staff in connection with the Cancer Council's work and arrangements also exist for giving in-patient treatment at the County Hospital when necessary. Treatment is free, but patients from districts which do not support the Hospital are expected to pay the cost of maintenance.

During the year 106 cases were treated by radium at the County Hospital.

The City Health Department is co-operating in assisting with the work of the Lincolnshire Council.

A graph is appended on page 24 showing the Cancer Death Rates since 1914.

### **Prevention of Blindness.**

The Lincoln City Council made the following declaration under Section 5 (1) of the Local Government Act, 1929 :—

“ It is hereby declared that all assistance to necessitous persons for which provision is made in the services set out in this clause shall be provided exclusively by virtue of the Act or Acts under the heading of which the service is set out and not by way of poor relief.

The provision of domiciliary assistance to blind persons.”

The Lincoln Voluntary Blind Society carries out most of the work in connection with the Blind Persons Act, 1920. The Corporation assists in the following manner :—

(1) In the case of persons definitely certified to be blind, the Corporation pays the specialist's fees.

(2) In the case of single persons who are blind, if their total income from all sources is below 25/- weekly, the Corporation makes it up to this amount.

(3) In the case of married couples with no children where the total income from all sources is below 40/-, the Corporation makes it up to this amount.

(4) In the case of blind persons who require education and training in a special institution, the Education Authority contribute towards the fees. In addition there is co-operation between the Voluntary Society and the School Eye Clinics.



(5) Assistance is also given in some cases in other ways wherever possible.

In the case of borderline necessitous persons the Voluntary Society makes certain contributions, but these are not charged to the Corporation.

There is at present no Statutory Committee of the Corporation which is working the Blind Persons Act, but the Secretary of the Voluntary Society presents an account to the Finance Committee of the Corporation for all the assistance as mentioned above.

There are two eye specialists attached to the Voluntary Society who carry out the necessary examinations and certifications. There is also one Home Visitor, who visits the patients in their homes and looks after their interests.

### **TUBERCULOSIS.**

The Tuberculosis Dispensary is situated in the Health Department at Beaumont Fee. Three Clinics are held each week.

Adults each week, Tuesday 5.0 p.m.—7.0 p.m., and

Friday 5.0 p.m.—7.0 p.m.

Children each week, Tuesday 9.30 a.m.—12.0 noon.

Consultation and Domiciliary Visits are paid by the Tuberculosis Officers in addition to the examination and supervision of the patients carried out at the Clinic.

There are two tuberculosis nurses employed for paying home visits, and for the following up of cases. The patients are taught as regards the methods of safeguarding against the spread of infection, to record their temperatures if necessary, the disinfection of sputum and discharges, and the value of rest and fresh air in the treatment of their complaint.

Extra nourishment, such as milk and eggs, is provided through the Dawber Charity and the Public Assistance Committees, and open air shelters are provided by the Health Department in suitable cases.

The patients seen at the Clinic are those who are sent by the Town Doctors for a diagnosis or are notified as suffering from Tuberculosis. They are all kept under supervision and the necessary treatment by their own doctors or admission to the Sanatorium or Orthopaedic Hospital is arranged through the Clinic. In addition, they are periodically examined with a view to ascertain their progress.

Contacts of all actual cases of Tuberculosis are also encouraged to get examined at the Clinic.

The City Hospital and Dawber Sanatorium is available for the treatment of patients suffering from Pulmonary Tuberculosis. In addition suitable cases of Non-Pulmonary Tuberculosis and cases suspected to be suffering from Tuberculosis are admitted.

X-Ray examinations and treatment by Artificial Pneumo-thorax are carried out at this Hospital and the Blood Sedimentation Test is utilised in observing the progress of the patients.



Patients requiring orthopaedic treatment are referred to the Orthopaedic Clinic, and if requiring in-patient treatment are sent to the County Hospital or an outside Orthopaedic Hospital.

### Notification of Tuberculosis.

During the year 80 primary notifications were received. Of these 54 were pulmonary and 26 non-pulmonary.

The number of primary notifications received during the last five years was as follows:—

	1929	1930	1931	1932	1933
Pulmonary ... ..	84	69	74	58	54
Non-Pulmonary ... ..	31	32	53	45	26
Total ... ..	115	101	127	103	80

At the end of the year, 109 males and 94 females suffering from Pulmonary Tuberculosis and 66 males and 75 females suffering from Non-Pulmonary Tuberculosis, making a total of 344 persons, were on the register of notifications.

### The Work of the Tuberculosis Dispensary.

At the end of the year 288 persons were on the Dispensary Register as compared with 308 at the end of 1932.

The total attendances at the Clinic during the year were 1,108.

The Tuberculosis Officers paid 123 visits to patients' homes and the Medical Practitioners consulted the Tuberculosis Officers on 125 occasions.

The Tuberculosis Nurses made 4,809 visits to the homes of tubercular partients.

The total number of new cases examined at the Dispensary was 201 as compared with 236 in 1932. Of these 55 were examined on account of their having been in contact with a tuberculous patient and 7 had come into Lincoln from an Outside Area. Out of the 55 contacts examined one was found to be suffering from the disease.

### Mortality from Tuberculosis.

The total number of deaths during the year from Pulmonary Tuberculosis numbered 51, out of which 30 were males and 21 females.

The total number of deaths from Non-Pulmonary Tuberculosis numbered six.

In five cases death was certified as due to Tuberculosis in persons who had not been notified as suffering from the Disease.

Of the 51 cases who died from Pulmonary Tuberculosis, 21 had died within 12 months of the date of notification; 7 lived from 1 to 2 years after notification; 5 from 2 to 3 years; 9 from 3 to 5 years; 1 from 5 to 7 years and 4 over 7 years.



### Occupation and Tuberculosis.

An analysis of the persons who died from Tuberculosis is given in the attached appendix and shows that no special trade or occupation was responsible for an excessive death-rate from this disease.

### Sleeping accommodation of notified cases of Pulmonary Tuberculosis.

Of the 65 cases of Tuberculosis which were investigated by the Tuberculosis Nurses it was found that in 26 cases the patient occupied a bed in common with another person, but as the result of visits by the Nurses it was possible to reduce this number to 14. The classification of the sleeping accommodation is given in Appendix 31.

I should like to emphasise that it is most desirable that all patients suffering from Tuberculosis should have a separate bed and a separate bedroom.

### Institutional Treatment of Tubercular Patients.

During the year 105 cases were admitted to the Lincoln Sanatorium and 28 were sent to Hospitals elsewhere. Out of the 105 cases, 30 were admitted to the Lincoln Sanatorium for further observation, and of these 6 were found to be definitely tubercular, 23 were found to be not tubercular and 1 was still under observation at the end of the year.

At the end of the year under review, 33 patients were undergoing treatment at the Lincoln Sanatorium, 5 were in Manfield Orthopaedic Hospital and 2 in Papworth Village Settlement.

### Dental Treatment of Tubercular Patients.

The arrangement with the Education Committee for the dental treatment of Tubercular patients who are unable to obtain this through their National Health Insurance Societies is being continued and this work is being carried out by the School Dental Officer.

The numbers dealt with during 1933 were 15 adults and 3 children, making 117 attendances. The work of the Dentist in connection with these cases was:—

Ex- tractions	Local Anaesthetic	Scaling and Dressings	Fillings		Dentures supplied		Dentures repaired
			Temps.	Perm.	Partial	Complete	
46	36	57	—	16	3	1	—

### Crippling Defects due to Tuberculosis.

The functions of the Orthopaedic Clinic include the treatment of persons of all ages crippled as the result of Tuberculosis. In the year under review 16 adults and 22 children who were suffering from deformities consequent on tuberculous disease of the bones or joints, were treated at this Clinic.

The total attendances made at the Orthopaedic Clinic were 346.



Patients requiring in-patient treatment are sent to the County Hospital or to Orthopaedic Hospitals outside the City.

During the year 3 cases were sent to Manfield Orthopaedic Hospital, Northampton.

At the end of the year 5 cases were still undergoing treatment at Manfield Orthopaedic Hospital.

### **Light Treatment.**

Patients suffering from Tuberculosis and requiring Light Treatment attended the Light Clinic situated at the Infant Welfare Centre.

During the year 16 cases were referred for treatment and the classification was as follows:—

Tuberculous	Cervical Adenitis	...	...	15
„	Hip	...	...	1
Total				16

The total number of patients who attended the Light Clinic in 1933 was 37 and they made 1,223 attendances.

At the end of the year 29 cases were receiving treatment.

In most cases there was definite improvement, but the results of the treatment are being carefully watched.

### **The Nursing of Tubercular Persons in their Homes.**

This is carried out by the Lincoln District Nursing Association. The City Council pays the Nursing Association the sum of £65 annually for the services of the district nurses. During 1933 the total number of home-nursing visits paid to tubercular persons by the Association's Nurses was 934.

### **After-Care of Tubercular Persons.**

Extra nourishment, chiefly in the form of milk and eggs, is supplied to adults suffering from Tuberculosis from the Dawber Charity Fund, or, if the patient is in receipt of Poor Relief, from the Poor Law Authorities. Tuberculous school children receive milk, cod liver oil, etc., through the medium of the Children's Care Committee.

In some cases suitable light open-air employment is provided for Tuberculosis ex-Sanatorium patients through the different undertakings of the Corporation. At the end of the year three patients were employed as Car Park Attendants and two as Gardeners.

During the year it was decided to provide educational facilities for children undergoing treatment in the Sanatorium. A teacher was appointed at the end of the year, and it is hoped that she will commence duties in the beginning of 1934.

At the end of the year two patients were still in Papworth Village Settlement with a view to becoming Colonists.



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

No special action had to be taken during the year.

**Public Health Act, 1925. (Section 62).**

It was not found necessary to take any action under this section during 1933.

**VENEREAL DISEASES**

The Venereal Diseases Scheme consists of :—

- |   |   |
|---|---|
| (a) A Clinic for male patients held on Monday and Thursday evening at 5 p.m.                    | } At the City Health Department, Beaumont Fee, Lincoln. |
| (b) A Clinic for female patients held on Monday and Thursday morning at 9-45 a.m.               |   |
| (c) A Special Clinic for pregnant women and post-natal Venereal cases held on Tuesday mornings. | } At the Infant Welfare Centre, Newland, Lincoln        |

Intermediate treatment for male patients is given daily between 12 and 1 p.m. and 6 and 7 p.m. For female patients the daily intermediate treatment is arranged by appointment.

Venereal Diseases cases from outside areas are also treated.

The total number of new cases of definite Venereal Disease domiciled in Lincoln who came under treatment for the first time during 1933 at all three Clinics was 66. This represents an incidence rate of 1.0 per 1,000 of the population as compared with 1.4 per 1,000 in the previous year.

**VENEREAL DISEASES CENTRE, BEAUMONT FEE,  
NEW CASES.**

	Syphilis		Soft Chancre		Gonorrhoea		Conditions other than Venereal		Total	
	1932	1933	1932	1933	1932	1933	1932	1933	1932	1933
Males ... ..	24	13	...	...	42	52	51	37	117	102
Females ... ..	21	16	...	...	22	11	21	21	64	48
TOTALS ... ..	45	29	...	...	64	63	72	58	181	150

At the beginning of 1933 there were 67 males and 40 females under treatment for syphilis; 75 males and 30 females under treatment for gonorrhoea; and 2 males and 1 female for conditions other than Venereal.

The male patients at the Venereal Clinics made 5,986 attendances and female patients 2,885 attendances. 2,500 of the male attendances and 1,921 of the female attendances were for individual attention by the Medical Officer. For intermediate treatment by the venereal diseases orderly or nurse, males made 3,486 and females 964 attendances.



Persons suffering from Venereal Diseases from the adjoining part of the Lindsey County Area and from Holland and Kesteven County Areas attend the Lincoln Venereal Diseases Centre.

The total number of patients attending from all outside areas was 65 and these made 2,668 attendances.

On account of the prolonged treatment required thoroughly to eradicate venereal disease from a person's system, patients sometimes fail to complete treatment, and do not fully realise the serious after-effects which may develop, perhaps years later.

There is no recognised in-patient accommodation for male patients.

One case was sent for in-patient treatment to the Burton Road Hospital.

#### **The Special Treatment Clinic, Infant Welfare Centre, Newland.**

The object of this clinic is to allow mothers, who are pregnant or have recently been confined, and who may be suffering from venereal disease to receive treatment without having to attend a clinic which is specifically for the purpose of treating venereal disease. The treatment is given in the Infant Welfare Centre.

10 women suffering from syphilis and 14 suffering from gonorrhoea were under treatment at this Clinic at the beginning of 1933. During the year 2 cases of syphilis, 4 cases of gonorrhoea, and also 135 women suffering from conditions other than Venereal came under treatment for the first time. Full statistics are given in Appendix 54.

#### **Pathological Examinations** carried out in connection with the Venereal Disease Clinics :—

1,215 smears were examined for the detection of the casual organisms of gonorrhoea, 367 blood samples were examined for the Wassermann Reaction, 231 blood samples were examined for the complement fixation test for gonorrhoea and one sample was examined for the presence of spirochaetes.

The Wassermann Test for syphilis and the complement fixation test for gonorrhoea are carried out at the Grimsby Public Health Laboratory.

#### **Free Supply of Arsenobenzol Compounds.**

12 requests for such supplies were received during the year and 119 doses were issued. Of this latter number, 52 doses were for use in the County Hospital.

#### **Venereal Diseases Act, 1917.**

No action was taken during the year under Section 1 of this Act, which prohibits the treatment of Venereal diseases by anyone who is not a registered medical practitioner.



### MENTAL DEFICIENCY ACTS, 1913 & 1927.

These Acts are administered by a Special Statutory Committee of the City Council and a Voluntary Association for Mental Welfare.

Cases "Subject to be dealt with," *i.e.*, requiring institutional care are sent to Certified Institutions by the Statutory Committee. Those requiring supervision at home are visited regularly by the Secretary of the Voluntary Association.

An Occupation Centre for non-educable children who are mentally defective is held daily in the United Free Methodist Church Schoolroom, Silver Street, and a sewing class for adult women is held on Friday afternoons.

The numbers on the register of the Voluntary Association at the end of the year are given below :—

	Males.	Females.
Under Voluntary Supervision ...	30	42
Under Statutory Supervision ...	12	10
In Certified Institutions ...	8	14
In State Institutions ...	6	2
In Places of Safety ...	4	15
Sent to Special School by Guardians ...	1	—
Under Guardianship ...	—	2
On Licence ...	—	2
	61	87
		TOTAL 148

No. of above attending Occupation Centre :—

Male Children ...	4
Female Children ...	6
Female Adults ...	6

Record of work done by the Voluntary Association during 1933 :—

New Cases ascertained ...	12
On Licence ...	2
Certified under Lunacy Act ...	1
Home visits paid ...	178

School children who are found to be low-grade and ineducable mental defectives are referred to the Voluntary Association for Mental Welfare, and are kept under supervision by the Lady Visitor. Suitable cases attend the Occupation Centre. Higher grade mentally defective children on leaving school are similarly supervised by the Voluntary Association.

The following is a classification of mental defectives resident in the City, who are not in special institutions :—

	Feeble-minded	Imbecile	Idiot	Total
Males over 16 years of age ...	26	6	3	35
Females over 16 years of age ...	35	6	3	44
Males under 16 years of age ...	3	4	4	11
Females under 16 years of age ...	6	2	1	9
Total ...	70	18	11	99

The following institutions were used for the care of mental defectives, and the number at the end of the year in these institutions was as follows :—

	Burton Rd Poor Law Instit. Lincoln	Stoke Park	Alexander House	Allerton Priory	Seafeld House	Whittington Hall	Belmont Nursery, Croydon	Bryn School	Ranp-ton State Inst.	Caterham Mental Hospital
	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F
Certified	6 4	— 3	— 1	— 1	1 1	— 3	1 —	1 —	6 2	— 1
Un-certified	4 12	— —	— —	— —	— —	— —	— —	— —	— —	— —

The Burton Road Institution is recognised for the reception of 10 adult male and 10 adult female mental defectives, but the Institution cannot be considered a suitable one in which to keep defectives over long periods.

The total number of persons under the supervision of the voluntary Association during 1933 was 148, out of which 26 were in the Burton Road Institution and 21 in other certified institutions, whilst 99 remained in their own homes and 2 were placed under guardianship.

The Joint Board, representing the two County Boroughs and three County Areas of Lincolnshire, bought Harmston Hall during 1931, but it is not yet ready for receiving any Mental Defective cases.

### SANITARY CIRCUMSTANCES OF THE AREA.

#### Water.

The water supply of the city is derived from bore-holes at Elkesley, Nottinghamshire, about 22 miles due west and is pumped to a storage reservoir on the outskirts of the City.

During November, 1932, it was found advisable to empty and clean the reservoir and in addition to stop the grazing of cattle on this site.

Regular samples of the water supply were taken to watch the quality of the water. During July, 1933 it was found that there were indications of slight contamination of the water supply at the reservoir and it was decided to chlorinate the water. The dose of chlorine used varied from .15 to .30 parts per million.



During November, 1933, samples taken at the Elkesley Pumping Station also showed indications of slight contamination of the water and early in December it was decided to chlorinate the water from Elkesley. Full investigations were made of conditions within a few miles radius of the Pumping Station with a view to locate any conditions that may affect the water supply.

The dose of chlorine used has varied from .15 to .30 parts per million. Regular samples have been taken for supervision purposes and it was found that the above dose of chlorine was adequate to make the water safe for the consumers.

At the end of the year chlorination was still in progress and I am of the opinion that it should be continued till the original supply proves satisfactory on chemical and bacteriological examinations.

The water supply in the City has been satisfactory in quality and quantity.

The average daily consumption during 1933-34 was 1,941,183 gallons and the average consumption per head per day for all purposes was 27.87 gallons.

#### **Rivers and Streams.**

These include the River Witham, the Foss Dyke, and several smaller dykes.

There are still several houseboats on these waterways and the sanitation generally in connection with these houseboats is very unsatisfactory. Some of the houseboats have been demolished under the Housing Act, 1930, but so far it has not been found possible to deal with all of them.

#### **Drainage and Sewerage.**

There has been no alteration during the year 1933 in the methods of dealing with drainage and sewerage, which have been found satisfactory.

1076 yards of new sewers were laid during the year.

The full scheme was described in the annual report for 1925.

#### **Public Cleansing.**

The method of collecting dry house refuse and the method of collecting refuse from earth closets and privies are as described in my annual report for 1931, and there has been no alteration.

The greater portion of the house refuse is dealt with at the Refuse Destructor, the dust and old tins and other metals being extracted and the residue incinerated. The other portion of the refuse is tipped.

The refuse from earth closets and privies is spread on suitable agricultural land.



Cesspools are emptied when required and the cost of this work charged to the owners of the respective properties. This refuse is also spread on suitable land.

13,777 loads of house refuse were collected in 1933, 781 being tipped and 12,996 taken to the Refuse Destructor and dealt with as stated above.

### **Housing.**

Total number of houses erected in the City during 1933 as compared with 1932 :—

			1932	1933
(a)	By the Local Authority	... ..	80	84
(b)	By Private Enterprise	... ..	41	66
			<hr/> 121	<hr/> 150

Out of the houses built by the Local Authority 50 were built under the Housing Act, 1930, for the housing of displaced tenants from Individual Unfit Houses and from houses in Unhealthy Areas.

60 families were re-housed during 1933 by the Local Authority, and the re-housing of these tenants was supervised by the Health Department.

The full details of the scheme for re-housing tenants and the special scale of rebates from rents in operation was described in my report for 1931.

The statistics concerning the work carried out in connection with the housing conditions in the City are included in Appendix 38.

### **Sanitary Conditions of Schools.**

My report as School Medical Officer deals with the sanitary conditions of schools in the City and action taken in relation to the health of the scholars and the prevention of the spread of infectious diseases.

### **Health Education.**

The monthly issue of the Better Health Magazine, which is distributed free, was continued during the year. An article on health matters was published monthly in its pages by a member of the Medical or other staff.

Propaganda by the distribution of leaflets supplied by various Health organisations was carried out.

### **Nutrition.**

The Medical and Nursing Staffs engaged in the work of the Health Department, School Medical Service, Maternity and Child Welfare Department, etc., take the opportunity to advise the patients and families with whom they come in contact as regards the value of different foods. This dissemination of knowledge is carried out in connection with their routine duties.



In Schools one third pint of milk in the morning is being consumed by a large number of school children and the physical and mental progress of a certain number is being watched and compared with a similar number of children who are not receiving this milk.

### Sanitary Staff.

The Chief Sanitary Inspector and the other Inspectors are responsible for the work carried out under the various Public Health Acts and the following other Acts and Regulations:—

Food and Drugs Acts.  
Public Health (Meat) Regulations.  
Canal Boats Acts.  
Housing Acts.  
Rats and Mice (Destruction) Act.  
Rag Flock Act.  
Fertilisers and Feeding Stuffs Act.  
Agricultural Produce (Grading and Marking) Act.  
Merchandise Marks Act.  
Shops Act.

There is a staff of four Sanitary Inspectors at present, including the Chief Sanitary Inspector, and this, in my opinion, is inadequate. Consideration is being given to the appointment of an additional Sanitary Inspector.

The following tabulated report is submitted by the Chief Sanitary Inspector on the work carried out during the year 1933:—

### INSPECTIONS.

#### Dwelling-Houses.

					<i>Visits.</i>	<i>Re-visits.</i>
Re Notifiable Diseases	...	...	...	...	582	417
Re Other Diseases	...	...	...	...	5	—
Verminous	...	...	...	...	33	18
Dirty	...	...	...	...	9	7
Other Conditions	...	...	...	...	948	1,515
Overcrowded	...	...	...	...	1	2
Drains	{	Smoke-tested	...	...	98	—
		Grenade-tested	...	...	86	—
		Inspected	...	...	359	117
Re Swine, Fowls and other Animals	...	...	...	...	27	7
Re Water Supply	...	...	...	...	6	1
Houseboats	...	...	...	...	5	—
Tents, Vans and Sheds	...	...	...	...	94	—
Rat infested premises	...	...	...	...	270	83
Miscellaneous Visits and Interviews	...	...	...	...	1,801	33
Re-housing of displaced Persons from clearance areas, etc.	...	...	...	...	60	—

**Other Premises.**

	<i>Visits</i>	<i>Re-visits</i>
Common Lodging Houses ... ..	10	—
Smoke Observations taken ... ..	7	—
Stables, re Accumulation of Manure, etc. ...	10	2
Offensive Trades ... ..	19	—
Canal Boats ... ..	22	—
Schools ... ..	24	4
Theatres and Cinemas ... ..	20	—
Plots of Waste Ground ... ..	14	6
Sewers, Ventilators, Street Gullies, Back Roads, &c. ... ..	5	3
Bakehouses ... ..	86	—
Factories ... ..	4	—
Laundries ... ..	—	—
Workplaces ... ..	42	—
Workshops ... ..	106	—

**Notices.**

Statutory Notices outstanding December 31st, 1932...	...	101
„ „ served 1933 ... ..	...	201
„ „ complied with, 1933... ..	...	186
„ „ outstanding December 31st, 1933...	...	116
Informal Notices served, 1933 ... ..	...	769
„ „ complied with, 1933 ... ..	...	664
„ „ outstanding December 31st, 1933 ... ..	...	91
No. of Complaints received at the Health Department during the year 1933 ... ..	...	528



**WORK DONE.**

	Work done by Corporation	Under Notice	Without Notice
<b>Houses :—</b>			
Provided with damp-proof courses ... ..	...	21	...
New floors laid or repaired ... ..	...	63	...
Overcrowding abated ... ..	...	2	...
Cleansed and limewashed ... ..	...	3	...
Means of ventilation improved ... ..	...	24	...
Roofs, etc., repaired ... ..	...	203	...
Fireplaces, etc., repaired ... ..	...	121	...
Supplied with sufficient sanitary accom- modation ... ..	...	2	...
Supplied with sufficient supply of water ... ..	...	1	...
Water spouts fixed or repaired ... ..	...	59	...
Downspouts disconnected from drain ... ..	...	1	1
Yard pavements repaired ... ..	...	30	...
Yards repaved with cement concrete or flagged ... ..	...	41	...
Yards repaved with asphalt ... ..	...	236	...
Nuisances abated arising from keeping swine and other animals ... ..	...	4	...
Accumulations of manure or refuse removed ... ..	...	13	1
<b>Verminous Houses :—</b>			
Number of premises cleansed or limewashed ... ..	...	2	...
Number found in filthy condition ... ..	...	7	...
Number in which bedding was disinfected and rooms fumigated ... ..	11	7	...
<b>Drainage :—</b>			
Tests applied to new drains ... ..	8	12	...
Old drains tested ... ..	95	57	...
Single private drains examined ... ..	138	4	6
Single private drains reconstructed ... ..	...	15	5
Cleansed or repaired ... ..	...	180	25
Reconstructed ... ..	...	36	...
New drains constructed ... ..	...	17	4
Disconnected from sewer ... ..	...	...	...
Ventilated ... ..	...	14	1
Vent pipes repaired ... ..	...	...	...
Inspection chambers built ... ..	...	21	8
Drain-openings removed from inside buildings ... ..	...	1	3
Cesspits abolished ... ..	...	...	...
Additional gullies fixed in yards ... ..	...	9	...
New sinks fixed ... ..	...	44	1
Waste pipes of sinks trapped or renewed ... ..	...	55	1
Waste pipes of sinks disconnected ... ..	...	1	...
Urinals improved ... ..	...	1	...
New urinals ... ..	...	...	...
<b>Water Closets :—</b>			
Limewashed or cleansed ... ..	...	11	...
Repaired ... ..	...	71	...
Constructed ... ..	...	...	...
Reconstructed ... ..	...	4	...
Light and ventilation provided or improved... ..	...	4	...
Additional provided ... ..	...	10	8
Wash-down W.C's. provided in lieu of old " Pan " apparatus... ..	...	36	3
Provided with a sufficient supply of water ... ..	...	8	...
Soil pipes repaired or renewed ... ..	...	6	...
Ventilation pipes repaired or renewed ... ..	...	51	...
New flush pipes fixed ... ..	...	4	...
New cisterns fixed ... ..	...	25	...
<b>Privies, Vaults and Pail Closets :—</b>			
Converted into water-closets ... ..	...	...	...
Abolished ... ..	...	...	...
Converted to Box ... ..	...	...	...
Repaired ... ..	...	...	...
<b>Ashpits :—</b>			
Abolished ... ..	...	6	...
Portable receptacles provided ... ..	...	242	1

It was found necessary to institute proceedings against one owner for default in complying with a notice under Section 107 of the Lincoln Corporation Act, 1915 requiring the provision of a sanitary bin. The defendant was fined 18/-.

### CLOSET ACCOMMODATION.

The policy of converting closets whenever possible has been continued.

The number of conversions during the past five years is as follows :—

			<i>Privy Vaults.</i>	<i>Privy Boxes.</i>	<i>Total.</i>
1929	...	...	1	3	4
1930	...	...	0	9	9
1931	...	...	0	2	2
1932	...	...	5	2	7
1933	...	...	—	—	—
			—	—	—
		TOTAL	6	16	22
			—	—	—

The number of each type remaining at the end of 1933 :—

<i>Privy Vaults.</i>	<i>Privy Boxes.</i>	<i>Total.</i>
32	102	134

### PREMISES AND OCCUPATIONS WHICH CAN BE CONTROLLED BY BYELAWS AND REGULATIONS.

There are Byelaws which have been adopted to deal with :—

- Tents, Vans and Sheds.
- Common Lodging Houses.
- Slaughterhouses.
- Offensive Trades.
- Smoke Abatement.

Section 112 of the Public Health Act, 1875, as amended by Section 51 of the Act of 1907, has been extended to include a number of trades which are, or may be, offensive.

#### Tents, Vans and Sheds.

Tents, Vans and Sheds are particularly in evidence during "Fair Week," when special arrangements are made by the Corporation in respect of water supply, scavenging, etc.

There is no need in Lincoln for regulations in respect of underground sleeping rooms.



The number of premises and occupations referred to above is :—

### Offensive Trades.

Under Section 112 Public Health Act, 1875.						1932	1933
Blood Boiler	...	...	...	...	...	0	0
Bone Boiler	...	...	...	...	...	0	0
Fellmonger	...	...	...	...	...	1	1
Soap Boiler	...	...	...	...	...	0	0
Tallow Melter	...	...	...	...	...	0	0
Tripe Boiler	...	...	...	...	...	1	1

Since 22nd November, 1915, the following are scheduled as Offensive Trades in Lincoln under Section 51 Public Health Acts Amendment Act, 1907 :—

Blood Dryer	...	...	...	...	...	0	0
Hide and Skin Dealers	...	...	...	...	...	2	2
Tanner	...	...	...	...	...	1	1
Leather Dressers	...	...	...	...	...	2	2
Fat Melter	...	...	...	...	...	0	0
Fat Extractor	...	...	...	...	...	0	0
Glue Maker	...	...	...	...	...	1	1
Size Maker	...	...	...	...	...	1	1
Gut Scraper	...	...	...	...	...	1	1
*Rag and Bone Dealers	...	...	...	...	...	13	13
Fish Fryers	...	...	...	...	...	54	56

\* In this order the expression "a rag and bone dealer" means any person who for the purpose of sale carries on upon any premises the trade of receiving, storing, sorting and manipulating any rags in an offensive condition, or in a condition likely to become offensive, or any bones, rabbit skins, fat or other putrescible animal products of a like nature.

### Common Lodging Houses.

						1932	1933
No. of keepers	...	...	...	...	...	4	2
No. of houses	...	...	...	...	...	5	3
No. of rooms used for sleeping	...	...	...	...	...	31	20
No. of lodgers accommodated nightly	...	...	...	...	...	140	108

Two of the Common Lodging Houses, Nos. 31 and 31a, Waterside South, are owned and controlled by the Corporation.

One Common Lodging House included in No. 1, Clearance Area, Waterside South, has now been demolished, and one in No. 1 Clearance Area, Waterside North, has been vacated but not yet demolished.

### PUBLIC HEALTH (SMOKE ABATEMENT) ACT, 1926.

#### Observations.

No. of chimneys of which observations were taken	...	3
No. of observations	...	7
No. of observations in which black smoke was emitted in such quantities as to be a nuisance	...	2
No. of occupiers cautioned or given notice of nuisance	...	2

### MEAT AND OTHER FOODS.

The number of Slaughterhouses in the area is as follows :—

	Dec., 1932.	Dec., 1933.
Registered ... ..	7	7
Licensed ... ..	6	6
	—	—
	13	13
	—	—

#### Number of Animals Slaughtered at Public Abattoir, January to December, 1933.

<i>Beast.</i>	<i>Sheep.</i>	<i>Pigs.</i>	<i>Calves.</i>
2,180	11,337	3,773	121

The number of animals slaughtered in the private slaughterhouses is not known.

The total weight of foodstuffs destroyed during the year was 16 tons, 8 cwts., 5st., as compared with 17 tons, 15 cwts., 5st., 4 lbs. during 1932.

Proceedings were instituted against a grocer for exposing for sale 656 tins of fish, 1 tin of soup, 6st. 9lbs. Ground Rice, 1 stone of coffee and 1 box containing packets of baking powder and egg powder which were unsound and unfit for the food of man (Public Health Act, 1875, Sections 116-119).

The case against the defendant was dismissed, the Justices not being satisfied that there had been exposure for sale.

The defendant was also summoned for failure to prevent risk of contamination to food in three rooms in which food was stored. This case was not adjudicated upon, it being held that the summons was bad, as all three rooms were included on the one summons. (Public Health Act, 1925, Section 72).

Details of meat and other foodstuffs condemned as being unfit for food and the nature of the disease or condition affecting such foodstuffs will be found in Appendices 39, 40 and 41.

#### Administration of the Public Health (Meat) Regulations, 1924.

No. of Notices of Intention to Slaughter received (Occasional Slaughter) ... ..	7
No. of Notices of Disease received ... ..	17

The butchers generally have conformed to the requirements of the above Regulations and in no case has it been found necessary to institute proceedings.



**Inspections made re Foods, etc.**

No. of Carcases Examined	...	...	...	...	4913
Slaughterhouses	...	...	...	...	428
English and Foreign Meat Shops	...	...	...	...	623
General Provision Shops	...	...	...	...	14
Fruit and Vegetable Shops	...	...	...	...	6
Fish Shops	...	...	...	...	4
Fried Fish and Chip Shops	...	...	...	...	31
Ice-Cream Premises	...	...	...	...	4
Dairies and Milkshops	...	...	...	...	57
Cowsheds	...	...	...	...	61
Markets	...	...	...	...	614

**MILK SUPPLY.****Producers, Wholesale Traders and Retail Purveyors of Milk.**

No. on Register	...	...	...	...	401
No. registered during the year	...	...	...	...	36

**Milk (Special Designations) Order, 1923.**

The following Licences were granted during the year 1933 under this Order.

*Description of Licences.*

Dealers' Licences to use the designation	{	Certified	2
		" Grade A "	7
		" Pasteurised "	
(a) Pasteurising establishments		2	
(b) Shops and Dealers	...	2	— 4

Proceedings were instituted against a retail purveyor of Milk for selling Grade A milk without a licence. The case was dismissed on payment of 4/- costs.

During the year 54 samples of milk were taken and submitted to the City Laboratory, Nottingham, for bacteriological examination.

Certified	...	...	...	...	...	14
Grade A	...	...	...	...	...	25
Pasteurised	...	...	...	...	...	13
Undesignated milk	...	...	...	...	...	2
						—
						54
						—

The samples of Certified milk were taken at the direction of the Minister of Health and four of these samples failed to comply with the requirements of the Order of 1923.

Three samples of Grade A milk, all produced by the same Company, failed to comply with the conditions of the Licence and a warning was given.

All the samples of Pasteurised milk complied with the conditions of the Licence.

During the year fourteen samples of Milk were taken and submitted to the Sheffield University for examination for Tubercle Bacilli. No Tubercle Bacilli were found in any one of the samples.

Certified	...	...	...	...	...	...	...	1
Grade A	...	...	...	...	...	...	...	3
Pasteurised	...	...	...	...	...	...	...	1
Undesignated	...	...	...	...	...	...	...	9
								—
								14
								—

### MILK AND DAIRIES ORDER, 1926.

The provisions of this Order have generally been complied with by the various milk producers and distributors in the City.

The work carried out by the Veterinary Surgeon under the Milk and Dairies Order, 1926, for the year ended 31st December, 1933, is as follows :—

No. of Inspections of Cows in Dairy Farms	No. of Cows found healthy in Dairy Farms	No. of Cows in Dairy Farms found to be suffering from										Action if any, taken
		Tuberculosis	Acute Mastitis	Actinomycosis of udder	Arthrax	Foot and Mouth Disease	Suppuration of udder	Comatose condition	Septic condition of uterus	Infection of udder or teats	Any other Disease	
9	981	3	1	—	—	—	—	—	—	2	—	—

### Tuberculosis Order, 1925.

There were 18 animals slaughtered under this Order. The Veterinary Surgeon reports as follows for the year ended 31st December, 1933.

No. of visits to Dairy Farms	No. of Inspections of Cows in Dairy Farms	No. of Cows found healthy in Dairy Farms	No. of Cows in Dairy Farms found to have			Conditions other than Tuberculosis and included in the Milk and Dairies Order, 1926	No. of Cows slaughtered	
			Chronic cough with T.B.	T.B. emaciation	T.B. udder		Public Abattoir	Knackers Yard
118	1088	1075	6	2	4	1	—	12

### SALE OF FOOD AND DRUGS ACTS.

During the year 170 samples of food and drugs have been procured and submitted to the Public Analyst, who certified 153 samples genuine and 17 samples adulterated (*i.e.*, 10.0 per cent. of adulteration).

For details of the samples purchased, the number adulterated and the administrative action taken on adulterated samples see Appendices 42 and 43.



### CHEMICAL AND BACTERIOLOGICAL EXAMINATION OF FOOD.

The above examinations are carried out at the following places for the City of Lincoln.

1. Public Analyst's Laboratory, Sheffield (Mr. John Evans).
2. Sheffield University.
3. City of Nottingham Laboratories, Nottingham.

### ADMINISTRATION OF THE FACTORIES AND WORKSHOPS ACT, 1901.

During the year 230 inspections were made of Factories and Workshops within the District and on the whole they were found to be in a satisfactory condition. No legal proceedings had to be instituted.

For details of inspections, see Appendix 44.

### Home-Work (Sections 107-115).

The names of 22 outworkers were received in the first half of the year and 21 in the second half.

No. of Lists of Outworkers received ... ..	29
No. of Employers ... ..	10
No. employed in making wearing apparel ... ..	21
No. employed in furniture and upholstery work ...	1
No. employed in making chocolate and sweetmeats ...	—
Work stopped because of the prevalence of infectious disease, <i>vide</i> Section 110 ... ..	—
Names of outworkers forwarded to the Clerks of Councils in whose districts their places of employment were situated ... ..	2

### Theatres and Cinemas.

During the year the Theatre and Cinemas in the City were inspected from time to time and found to be satisfactory.

### RAG FLOCK ACTS, 1911 and 1928.

There are no premises in the district on which rag flock is manufactured and no samples have been taken during the year.

### RATS AND MICE (DESTRUCTION) ACT, 1919.

Consistent and regular action has been taken in dealing with all complaints of rat infested premises and a large number of poisoned baits have been laid. The poison used principally was Liquid Extract of Red Squill, and this poison has been found to be more efficient and satisfactory than any other previously used. From time to time, as occasion demanded, a Rat Catcher was employed with dogs and ferrets.

Rat Week was held in the City from November 6th to 11th inclusive and 433 rats were accounted for.

The Commons, the Corporation yards and the various dykes were treated by the Commons Warden.

The following work was done during the year :—

Number of premises dealt with by Officers ... ..	270
Number of house holders to whom rat-poison was supplied and advice given as to the methods that should be employed ... ..	175
Number of rats caught by dogs and ferrets or destroyed by means of Cyanogas ... ..	844
Number of nests with young destroyed ... ..	27

It is impossible to estimate the number of rats which may have been destroyed as a result of laying 382 poisoned baits.

### FERTILISERS AND FEEDING STUFFS ACT, 1928.

During the year one formal sample of Basic Slag was submitted to the Agricultural Analyst and his certificate showed the sample to conform to the guarantee.

This was the only request made by a purchaser for a sample to be taken.

### CANAL BOATS ACTS, 1877 and 1884.

The Inspectors appointed under the above Acts are the Chief Sanitary Inspector, Inspector H. Shimeld and Inspector J. W. Hoe. In each case the remuneration for the office is included in the salary for the post of Sanitary Inspector.

The following summary gives all the particulars required by the Ministry of Health.

Number of boats on the Register ... ..	50
„ „ inspections made ... ..	22
„ „ men on board ... ..	40
„ „ women on board ... ..	9
„ „ children on board ... ..	16
Legal proceedings taken ... ..	0
Cases of Infectious Diseases ... ..	0
Detention of Boats for cleansing ... ..	0
Number of Boats believed to be available ... ..	50
„ „ Motor propelled Boats registered ... ..	1

Infringement of the Acts and Regulations with respect to :—

(a) Registration ... ..	2
(b) Notification of change of Master ... ..	0
(c) Certificates ... ..	2
(d) Marking ... ..	0



(e) Overcrowding	...	...	...	...	...	0
(f) Separation of Sexes	...	...	...	...	...	0
(g) Cleanliness	...	...	...	...	...	1
(h) Ventilation	...	...	...	...	...	1
(i) Painting	...	...	...	...	...	0
(j) Provision of water cask	...	...	...	...	...	1
(k) Removal of Bilge water	...	...	...	...	...	0
(l) Notification of Infectious Diseases	...	...	...	...	...	0
(m) Admission of Inspectors	...	...	...	...	...	0

Infringements under (c), (g), (h) and (j) were remedied as a result of informal action taken by the Inspectors.

Two canal boats were found to have no certificate of registration and enquiry is being made for the purpose of ascertaining whether or not such canal boats are registered as dwellings by some other registration authority,

### SHOPS ACTS, 1912 to 1928.

During the year 115 evening hours were devoted to work under these Acts and 119 shops were visited.

Four complaints were received at the Office.

During the year it was found necessary to institute proceedings against a shopkeeper for failure to specify in a notice on the prescribed form the day of the week on which assistants were not employed after 1-30 p.m., failure to exhibit a notice re hours of employment of young persons and failure to give an assistant a half-holiday during the week. The shop-keeper was convicted and fined 10/-.

It was also found necessary to send four letters of warning, and in some cases to give verbal warning, for various infringements.

## MATERNITY AND CHILD WELFARE.

The Maternity and Child Welfare Committee consists of the Mayor, nine Members of the Council and four co-opted Lady Members. The names of the Members of the Committee and the Officials of the Maternity and Child Welfare Department are given in the front of this Report.

### Notification of Births Act, 1915.

This Act requires that all births should be notified to the Medical Officer of Health within 36 hours of their occurrence. During 1933, 869 births were notified. 58 notices were sent out requesting notification in cases where it was known that a birth had taken place and no notification had been received within the specified time. 143 of these notifications were made by doctors, 679 by midwives, 98 by parents and 7 by the Registrar.

Of the 751 babies visited for the first time by the Health Visitors, it was found that 589 were being breast fed, 148 bottle fed, and 14 partially breast and partially bottle fed.

I should like to emphasise that mothers' milk is the best food for infants, and other methods of feeding should not be resorted to unless there are special reasons for doing so.

The total visits paid to babies in their homes amounted to 8,314. Of these 60 visits were paid to cases of Ophthalmia Neonatorum and 11 visits were for the investigation of Still-Births.

### Children Acts, 1908 and 1932.

The Maternity and Child Welfare Committee is responsible for the administration of Part I of the Children Act, 1908, as amended by Part V of the Children and Young Persons' Act, 1932.

The Medical Officer of Health, the Assistant Medical Officer for Maternity and Child Welfare, the General Superintendent for Maternity and Child Welfare and two Health Visitors hold the appointment of Infant Life Protection Visitors.

At the beginning of the year there were 18 foster parents and 19 children on the register, whilst at the end of the year there were also 18 foster parents and 19 children on the register.

191 visits were paid to the homes with a view to supervising the proper nursing and maintenance, or to give any advice as to the nursing and maintenance of these children.

There were no proceedings taken against any foster parent during 1933.

### Midwives.

Six midwives are employed by the Maternity and Child Welfare Department on district midwifery. These are housed in different parts of the City according to the needs of the inhabitants. Four other midwives are on the Staff of the Maternity Home.

One midwife was in private practice in the City during 1933.



### **Municipal District Midwifery Service.**

The extended Municipal Midwifery Service continued to work satisfactorily during the year, and was fully described in my Report for 1932.

The District Midwives attended 385 women during their confinements, 297 of which were conducted solely by the Midwives. In 42 instances a Doctor was also present and in 46 cases the baby was born before the arrival of the Midwife.

The District Midwives summoned medical aid on 127 occasions, 23 of these were on account of complications during the ante-natal period ; 31 were on account of difficulties or complications occurring during the delivery ; 50 as a result of complications during the puerperium and 23 because of complications occurring in the new-born babies.

Three cases of Ophthalmia Neonatorum, 20 mis-carriages and 15 still-births occurred in the practice of the District Midwives and 7 babies died within 10 days of birth as the result of prematurity or congenital malformation.

### **Ante-Natal Clinics.**

366 mothers (319 expectant and 47 post-natal cases) made 1,463 attendances at the Ante-Natal Clinic during the year. Of these 244 had booked beds in the Maternity Home for their confinement, and 75 engaged the Municipal District Midwives. In addition, 202 ante-natal and 100 post-natal examinations were carried out by medical practitioners under the extended Maternity Scheme.

Of the 661 women whose confinements took place in the Maternity Home and under the Municipal District Midwifery Scheme, 319 had previous ante-natal care at the Clinic and most of the remaining 342 cases received ante-natal care from private practitioners or District Midwives.

In addition to the ante-natal supervision carried out at the Clinic, the Municipal Midwives made 1,942 visits to expectant mothers, and 195 visits to post-natal cases in their homes.

It is hoped that in time every pregnant woman in the City will receive ante and post-natal care to ensure a safe confinement.

### **Orthopaedic Treatment of Children under 5 years of age.**

The details of the scheme were given in my report for 1930.

During 1933, 45 children under 5 years of age were seen by the Orthopaedic Surgeon and they made 408 attendances at the Orthopaedic Clinic. 13 cases, excepting Tuberculous cases, were referred to the County Hospital for in-patient treatment. One X-ray Examination was carried out at the County Hospital and one at the City Hospital in connection with the Orthopaedic work.



### **Maternity Home.**

During the year 276 cases were admitted, out of which 79 were cases from Outside Areas. The total number of cases admitted during the previous year was 240.

Patients admitted to the Maternity Home have free choice to engage their own private doctors to attend them.

Two Consultants are available for major surgical operations such as Caesarian Section.

There were 262 lying-in cases delivered, 203 by midwives and 59 by doctors. The remainder were ante-natal or post-natal cases requiring treatment.

Medical aid was sought by midwifery staff on 146 occasions (on 39 occasions for conditions arising during the ante-natal period, on 38 occasions for conditions arising during labour, on 52 occasions for conditions supervening labour and on 17 occasions for various conditions occurring in the newly-born infants).

There occurred within the Maternity Home 4 mis-carriages and 17 still-births and 10 babies died within 10 days of birth.

Cases of complicated and difficult labour formed a high percentage of the cases admitted to the Maternity Home during the year.

Four deaths of Lincoln mothers occurred in the Maternity Home. The first occurred two days after the birth of the child and was due to shock and exhaustion, childbirth, and persistent occipito posterior position of the child. The second death was due to ante mortem clot right ventricle and acute dilatation stomach, parturition (Caesarean Section) and contracted pelvis, and occurred one day after the confinement. The third occurred six days after the confinement and was due to toxæmia and puerperal septicaemia. The fourth occurred four days after the confinement and was due to intestinal paralysis, Caesarean Section, contracted pelvis and pregnancy.

No cases of Ophthalmia Neonatorum occurred in the Maternity Home.

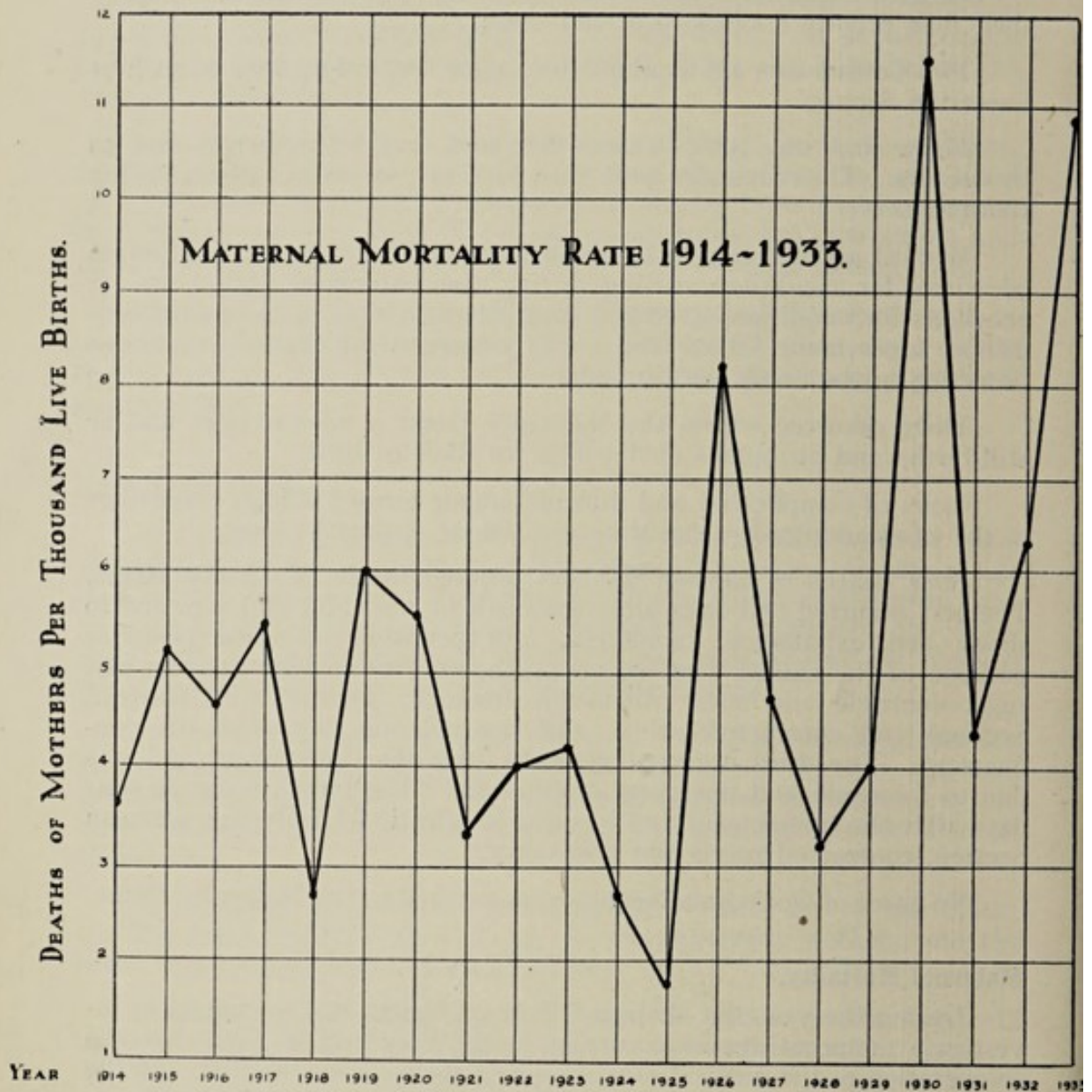
### **Maternal Mortality.**

During the year the Medical Officer of Health has continued to investigate maternal deaths occurring in the City and in each case the co-operation of the medical practitioner in the case was invited, and the enquiry form issued by the Ministry of Health was completed and forwarded to the Ministry.

Nine deaths of mothers belonging to the City were investigated. This gives a Maternal Mortality Rate of 10.9 per 1,000 total live and still-births for the whole City, compared with a Rate of 6.25 for 1932.

The particulars of the deaths investigated during 1933 are as follows :—





Age	First or subsequent Pregnancy	Ante-natal Care Received	Urine examined during Pregnancy	Cause of Death
23	1st	Yes	Yes	Shock and Exhaustion, Childbirth. Persistent occipito posterior position of child.
27	1st	Yes	Yes	Pulmonary Embolism. Confinement.
33	1st	Yes	Yes	Ante Mortem Clot Right Ventricle and Acute Dilatation Stomach. Parturition (Caesarean Section). Contracted Pelvis.
39	8th	Yes	Yes	Syncope. Difficult Labour.
23	1st	Yes	Yes	Toxaemia. Puerperal Septicaemia.
22	1st	No	No.	Exhaustion and Toxaemia. Pulmonary Oedema. Incomplete Abortion.
22	2nd	Yes	—	Shock and Loss of Blood. Adherent Placenta. Post-partum Haemorrhage.
46	4th	Yes	Yes	Pulmonary Embolus. Femoral Thrombosis. Childbirth.
26	2nd	Yes	Yes	Intestinal Paralysis. Caesarean Section. Contracted Pelvis. Pregnancy.

### Inspection of Midwives.

The Medical Officer of Health is also Inspector of Midwives.

During the year routine inspection of Midwives was carried out. The number of visits paid numbered 13.

### Pupil Midwives.

During the year 17 pupils entered for the Examination of the Central Midwives' Board, and 15 were successful.

The General Superintendent is the recognised teacher of practical midwifery. A course of lectures on midwifery is given to the pupils by the recognised lecturer (Dr. Wells Cole), and practical instruction in ante-natal and post-natal care and venereal diseases is given by the Assistant Child Welfare Medical Officer.



### Dental Treatment of Maternity and Child Welfare Patients.

50 mothers and 248 children received treatment at the Special Dental Clinic, which is held weekly at the Infant Welfare Centre.

The treatment of defective and septic teeth in the case of pregnant and nursing mothers, combined with general hygiene of the mouth, is of the utmost importance.

### Methods of Feeding Babies.

Of 798 babies seen at the Infant Welfare Centres for the first time during 1933, 339 were being breast fed ; 47 babies were partly breast fed and partly artificially fed ; 221 were being fed entirely artificially ; 190 were children over one year of age who were on a varied diet, and one child over one year old was still being breast fed. The majority of the infants were being fed at regular hours.

### Ophthalmia Neonatorum.

Three cases were notified during the year, full details of which are given in Appendix 46.

### Light Clinic.

This Clinic was established in October, 1931 and has been of much use in the treatment of various diseases.

The chief conditions treated were Anaemia, Adenitis, Bronchitis, Debility, Malnutrition, Marasmus, Rickets and Tubercular Cervical Glands.

Total number of patients treated in 1933	...	...	...	356
do. attendances	...	...	...	6355

Exposures :—

Mercury Vapour Lamp		Sollux	Kromayer
General	Local		
4882	947	831	219

Of the 356 patients treated 115 were much improved or cured ; 111 were definitely improved ; 63 showed little improvement and 67 did not complete the course.

### Birth Control Clinic.

At this Clinic advice is given to married women in whose case a future pregnancy would be injurious to their health, in accordance with Memorandum 153 M.C.W. of the Ministry of Health.

A Clinic was held monthly at the Infant Welfare Centre in the beginning of the year, but it was decided to hold a Clinic once a fortnight from 18th May, 1933. In addition the Medical Practitioners in the City were circularized as regards times, place and object of the Clinic, as it was felt that the numbers attending the Clinic were small.

During 1933, 32 patients received advice on Birth Control and they made 109 attendances, as compared with 16 patients who made 50 attendances in the previous year.

#### **Day Nurseries.**

A Day Nursery, which was commenced by a Voluntary Association in January, 1932, provides accommodation for 42 children and during the year the children made 6,681 attendances.

I hope that there will be an extension of Nursery Schools in the City.

#### **Home Helps.**

Nine Home Helps (4 permanent and 5 emergency) were retained by the Maternity and Child Welfare Department during 1933. Their services in private houses were made use of in 44 cases. The total cost of the services rendered by Home Helps was £136 os. 8d. The greater part of this amount was recovered from the patients. The work of the Home Helps is supervised by the District Midwives in charge of the cases.

The Home Help service supplies a great need to the community, and is of much benefit to the mothers.



## APPENDIX I.

## RAINFALL.

1933				Total Depth in inches	Greatest Daily Rainfall	
					Depth	Date
January	...	...	...	1.80	0.58	15th
February	...	...	...	2.68	0.98	25th
March	...	...	...	2.60	1.03	17th
April	...	...	...	0.91	0.30	25th
May	...	...	...	1.90	0.40	7th
June	...	...	...	1.60	0.40	10th
July	...	...	...	2.82	1.59	16th
August	...	...	...	0.31	0.15	22nd
September	...	...	...	2.48	1.68	23rd
October	...	...	...	2.90	0.90	10th
November	...	...	...	1.85	0.48	15th
December	...	...	...	0.44	0.20	12th
Total 1933	...	...	...	22.29		
Total 1932	...	...	...	21.59		

## APPENDIX 2

## METEOROLOGY 1933.

STATION—BEAUMONT FEE.

HEIGHT ABOVE SEA LEVEL—48 FEET.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
TOTAL RAINFALL (INCHES) ...	1.80	2.68	2.60	0.91	1.90	1.60	2.82	0.31	2.48	2.90	1.85	0.44	22.29
No. of days on which rain fell ...	15	18	11	9	16	11	11	6	8	12	17	7	141
MAXIMUM TEMPERATURE ...	53	58	66	69	76	86	87	89	82	66	54	45	—
MINIMUM TEMPERATURE ...	22	25	31	29	38	43	47	46	42	39	29	25	—
LOWEST TEMPERATURE ON GRASS...	18	20	26	24	36	40	43	42	39	29	25	19	—
HIGHEST CORRECTED BAROMETER READING	30.770	30.586	30.504	30.550	30.266	30.344	30.594	30.448	30.466	30.430	30.210	30.710	—
LOWEST CORRECTED BAROMETER READING	29.414	29.238	29.160	29.750	29.498	29.272	29.516	29.640	29.460	29.024	29.326	29.184	—



APPENDIX 3  
VITAL STATISTICS OF WHOLE DISTRICT IN 1933 AND PREVIOUS YEARS.

Year	Population Estimated to middle of each year	Births			Total Deaths Registered in the District		Transferable Deaths		Nett Deaths belonging to the District		
		Uncor- rected number	Nett		Number	Rate	Of Non- Residents registered in the District	Of Residents not registered in the District	Under 1 year		At all ages
			Number	Rate					Number	Rate per 1000 births	
1924	67,060	1,178	1,137	16.9	913	13.5	134	31	82	72	810 12.0
1925	66,790	1,196	1,135	17.0	872	13.0	113	28	80	70	787 11.8
1926	65,980	1,147	1,089	16.5	925	14.0	132	19	86	79	812 12.3
1927	66,490	1,085	1,023	15.3	949	14.3	144	31	82	80	836 12.6
1928	D.R. 65,550 B.R. 65,820	1,049	980	14.8	896	13.6	114	26	57	58	808 12.3
1929	D.R. 65,080 B.R. 65,250	1,083	996	15.4	1,052	16.1	135	31	73	67	948 14.5
1930	As above	1,015	960	14.7	884	13.6	142	37	57	59	779 12.0
1931	D.R. 65,860 B.R. 66,100	1,008	932	14.1	972	14.8	170	30	49	53	832 12.6
1932	65,840	1,001	919	14.0	872	13.3	113	35	58	63	794 12.1
1933	65,320	875	792	12.1	909	13.9	133	32	33	42	808 12.4

# APPENDIX 4.

## BIRTH RATE, DEATH RATE AND ANALYSIS OF MORTALITY, 1933

	Birth rate per 1,000 population		Annual Death Rate per 1,000 population										Rate per 1,000 births		Percentage of Total Deaths	
			All Causes	Enteric Fever	Small- pox	Measles	Scarlet Fever	Whoop- ing Cough	Diph- theria	Influ- enza	Violence	Diarrhoea & Enteritis under 2 years	Total Deaths under 1 year	Causes of Death certified by Regd. Medical Practitioner	Inquest certified by Coroner and uncertified deaths	
England and Waies ...	...	14.4	0.62	12.3	0.01	0.00	0.05	0.02	0.05	0.06	0.57	0.54	7.1	64	90.9	9.1
118 County Boroughs & Great Towns including London ...	...	14.4	0.67	12.2	0.00	0.00	0.06	0.02	0.06	0.08	0.55	0.49	9.4	67	91.0	9.0
132 Smaller Towns (Estimated Resident Populations 25,000— 50,000 at Census, 1931) ...	...	14.5	0.63	11.0	0.00	0.00	0.04	0.02	0.04	0.04	0.53	0.44	4.9	56	91.7	8.3
London ...	...	13.2	0.45	12.2	0.00	0.00	0.02	0.02	0.08	0.08	0.51	0.58	11.6	59	88.3	11.7
LINCOLN ...	...	12.1	0.55	12.4	—	—	0.02	—	—	0.05	0.55	0.41	3.8	42	92.9	7.1

# APPENDIX 5.

## BIRTHS REGISTERED DURING 1933.

	Lincoln	WARDS.							Inward Transfers	Outward Transfers
		Minster	Castle	Abbey	Carholme	Park	Witham	Foss		
Estimated Population		—	—	—	—	—	—	—	...	...
Mid., 1933...	65,320	13,951	8,750	9,418	8,903	9,641	7,434	8,146	...	...
1931 Census	66,243	189	111	108	87	110	79	100	...	...
No. of Births	792	13.5	12.7	11.5	9.8	11.4	10.6	12.3	8	91
Birth Rates	12.1								...	...
% of Total Births	...	23.9	14.0	13.6	11.0	13.9	10.0	12.6	...	...



CAUSES OF DEATH	AGE DISTRIBUTION												WARDS								Non-Residents																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	0—		1—		2—		5—		15—		25—		45—		65—		75—		Minster	Castle		Abbey	Carthme	Park	Witham	Foss	Total	Instn's	Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Typhoid and paratyphoid fevers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...



## APPENDIX 7.

## ANALYSIS OF INFANT MORTALITY—1933.

CAUSE OF DEATH	WEEKS				Total under 4 wks	MONTHS				TOTAL		Total under 1 yr.	WARDS							
	-1	1-2	2-3	3-4		1-3	3-6	6-9	9-12	M	F		Minster	Castle	Abbey	Carholme	Park	Witham	Foss	
Pulmonary Tuberculosis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Other Tuberculous Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Influenza	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Bronchitis	...	...	1	...	1	2	1	...	1	3	...	4	...	2	...	1	...	...		
Pneumonia	...	...	...	...	...	1	1	...	2	1	...	2	1	...	...	1	...	...		
Diarrhoea and Enteritis	...	...	...	...	...	...	2	...	...	...	...	2	...	...	...	...	...	...		
Congenital Debility	1	...	1	...	2	...	...	...	2	...	...	2	...	...	...	1	...	1		
Malformations	2	...	...	...	2	2	...	...	3	1	...	4	...	1	...	1	...	1		
Premature Birth	11	...	...	...	11	...	...	...	7	4	...	11	...	3	3	2	...	1		
Injury at Birth	1	1	...	...	2	...	...	...	1	1	...	2	1	...	...	...	...	1		
Violence...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Other Defined Causes...	1	1	...	1	3	...	3	...	5	1	...	6	1	2	...	1	...	1		
Totals ...	16	2	2	1	21	5	7	...	22	11	33	3	2	8	3	7	4	6		



APPENDIX 8.  
NOTIFIED CASES OF INFECTIOUS DISEASES, 1914—1933.

DISEASE	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933
Smallpox ...	...	...	...	...	...	2	...	...	1	1	...	1	...	71	107	1	...	...	...	...
Chickenpox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	189	463	291	490	255	360	368
Measles ...	...	...	107	120	1320	35	...	...	...	...	...	...	...	*	*	*	*	*	*	*
Ophthalmia Neonatorum	...	...	6	3	5	3	13	3	5	5	6	3	7	7	6	6	8	10	6	3
Scarlet Fever ...	170	119	148	133	133	100	90	37	41	64	64	440	540	128	234	177	148	125	64	303
Diphtheria (including Mem- branous Croup) ...	95	56	78	45	61	72	128	99	50	38	60	48	26	58	133	89	73	56	105	106
Erysipelas ...	42	39	43	29	18	21	13	16	13	9	10	15	18	18	27	26	37	17	18	13
Enteric Fever ...	6	3	2	5	8	5	...	1	1	...	4	...	...	3	5	8	6	2	1	...
Puerperal Fever ...	1	1	1	1	...	1	3	1	2	...	4	...	4	3	2	2	8	2	4	3
Puerperal Pyrexia ...	...	...	...	...	...	...	...	...	...	...	...	...	...	8	4	13	8	7	3	8
Pneumonia ...	...	...	...	...	...	...	...	...	...	...	...	...	...	40	65	168	54	110	88	125
Cerebro-Spinal Meningitis	...	1	3	4	2	...	14	6	18	12	18	21	41	1	...	...	1	1	1	...
Poliomyelitis ...	...	...	...	...	...	...	...	...	...	...	...	...	8	2	...	...	...	...	...	1
Polioencephalitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica	...	...	...	...	...	...	11	5	...	1	15	7	17	3	5	3	3	2	2	1
Dysentery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Malaria ...	...	...	...	...	...	...	4	2	...	...	...	...	...	...	2	...	...	1	...	...
Pulmonary Tuberculosis ...	128	102	126	126	80	56	59	71	78	82	104	124	123	104	67	87	79	80	68	60
Other forms of Tuberculosis	31	43	28	29	16	32	19	15	40	25	49	33	32	23	35	33	32	56	47	27
TOTALS ...	478	367	542	495	1643	389	354	258	249	237	334	692	816	658	1155	904	947	724	767	1018

\* No longer notifiable.

NOTE.—On the outbreak of Smallpox during 1927, Chickenpox was made compulsorily notifiable from 23rd November, 1927, and this compulsory notification is being continued.

APPENDIX 9.  
PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES.  
NOTIFIED CASES 1933.

DISEASE	At all ages	Cases notified in whole District.												WARD Distribution of Cases.							No. of cases re-moved to City Hospital	Total deaths in the City		
		At Age Groups—Years.																						
		Under 1	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-25	25-45	45-65	65 and up-wards	Minster	Castle	Abbey	Carholme	Park	Witham	Foss				
Smallpox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chickenpox ...	368	8	10	23	17	16	219	62	8	...	4	1	...	...	55	74	61	62	23	42	1	...	...	...
Ophthalmia Neonatorum ...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...	303	1	1	6	14	16	101	111	21	19	11	2	...	...	36	58	52	52	32	17	2	188	...	...
Diphtheria, including Membranous Croup ...	106	...	...	2	1	1	50	34	4	7	5	2	...	24	5	16	9	28	9	15	104	3	...	
Erysipelas ...	13	...	...	...	...	...	...	...	...	...	8	3	2	3	4	1	2	2	...	1	1	...	...	
Enteric Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Puerperal Fever ...	3	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	
Puerperal Pyrexia ...	8	...	...	...	...	...	...	...	2	3	3	...	...	...	1	...	2	2	2	1	3	1	...	
Pneumonia ...	125	6	5	3	3	3	15	8	12	9	36	16	9	37	12	14	26	14	12	10	22	37	...	
Cerebro-Spinal Meningitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Poliomyelitis ...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	
Polioencephalitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Encephalitis Lethargica ...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	
Dysentery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Malaria ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Pulmonary Tuberculosis ...	60	...	...	...	...	1	2	2	5	3	30	14	3	14	10	4	11	6	6	9	51	...		
Tuberculosis (Other Forms)	27	...	...	2	5	2	4	8	2	2	1	1	...	5	1	3	5	4	6	3	24	6		
TOTALS ...	1018	18	16	36	40	39	392	225	54	43	102	39	14	190	124	171	169	171	93	100	399	99	...	



## APPENDIX 10.

## INFECTIOUS DISEASES.

Incidence Rates and Death Rates over a period of 5 years.

DISEASE	1933			Incidence Rate per 1,000 population					Death Rate per 1,000 population				
	Total cases noti- fied	Cases ad- mitted to Hos- pital	Total Deaths	1933	1932	1931	1930	1929	1933	1932	1931	1930	1929
Smallpox ...	...	...	...	...	...	...	...	0.02	...	...	...	...	0.02
Chickenpox ...	368	1	...	5.63	5.47	3.87	7.50	4.40	...	...	...	...	...
Ophthalmia													
Neonatorum ...	3	2	...	0.05	0.09	0.15	0.12	0.09	...	...	...	...	0.02
Scarlet Fever ...	303	188	...	4.64	0.97	1.90	2.30	2.70	...	...	0.02	0.02	0.03
Diphtheria ...	106	104	3	1.62	1.59	0.85	1.10	1.30	0.05	0.05	0.05	0.06	0.06
Erysipelas ...	13	1	...	0.20	0.27	0.26	0.57	0.39	...	...	0.02	0.03	0.03
Enteric Fever ...	...	...	...	...	0.02	0.03	0.09	0.12	...	...	...	...	...
Puerperal Fever ...	3	3	1	0.05	0.06	0.03	0.12	0.03	0.02	0.02	0.02	0.05	0.03
Puerperal Pyrexia ...	8	2	...	0.12	0.05	0.11	0.12	0.21	...	...	...	...	0.02
Pneumonia ...	125	22	37	1.91	1.34	1.67	0.83	2.52	0.57	0.52	0.47	0.46	0.91
Cerebro-Spinal													
Fever...	...	...	...	...	0.02	0.02	0.02	...	...	0.02	...	0.02	...
Poliomyelitis ...	1	1	...	0.02	...	...	...	...	...	...	...	...	...
Encephalitis													
Lethargica ...	1	...	1	0.02	0.03	0.03	0.05	0.06	0.02	0.03	0.03	0.02	0.06
Malaria ...	...	...	...	...	...	0.02	...	...	...	...	...	...	...

APPENDIX II.  
CASES OF INFECTIOUS DISEASE ADMITTED TO HOSPITAL DURING 1933.

DISEASE	HOSPITALS.						
	City Fever Hospital	City Maternity Home	County Hospital	Burton Road Institu- tion	Dawber Sana- torium	Manfield Orthopaedic Hospital	TOTAL
Smallpox ... ..	—	—	—	—	—	—	—
Chickenpox ... ..	1	—	—	—	—	—	1
Ophthalmia Neonatorum ... ..	2	—	—	—	—	—	2
Scarlet Fever ... ..	188	—	—	—	—	—	188
Diphtheria ... ..	104	—	—	—	—	—	104
Erysipelas ... ..	1	—	2	—	—	—	3
Enteric Fever ... ..	—	—	—	—	—	—	—
Puerperal Fever ... ..	3	1	—	—	—	—	4
Puerperal Pyrexia ... ..	2	5	—	—	—	—	7
Pneumonia ... ..	22	—	—	7	—	—	29
Polio-myelitis ... ..	1	—	—	—	—	—	1
Encephalitis Lethargica ... ..	—	—	1	—	—	—	1
Cerebro-Spinal Fever ... ..	—	—	—	—	—	—	—
Pulmonary Tuberculosis ... ..	—	—	19	6	51	—	57
Non- Pulmonary Tuberculosis ... ..	—	—	—	—	24	3	46
TOTALS ... ..	324	6	22	13	75	3	443



## APPENDIX 12.

## VACCINATION STATISTICS, 1933.

							<i>Number.</i>
Births registered	...	...	...	...	...	...	875
Successfully vaccinated...	...	...	...	...	...	...	213
Conscientious objectors	...	...	...	...	...	...	665
Died unvaccinated	...	...	...	...	...	...	38
Insusceptible	...	...	...	...	...	...	—
Removed to other districts	...	...	...	...	...	...	44
Lost sight of	...	...	...	...	...	...	7
Still under notice	...	...	...	...	...	...	17
Percentage of unvaccinated children	...	...	...	...	...	...	75.7%

## APPENDIX 13.

**NON-NOTIFIABLE INFECTIOUS DISEASES** brought to the notice  
of the Health Department during 1933.

Age	Measles	Mumps	Whooping Cough	Chickenpox reported (not notifications by Drs.)
0—1 year ...	5	—	3	3
1—2 years ...	8	—	3	5
2—3 „ ...	10	—	3	5
3—4 „ ...	15	—	5	8
4—5 „ ...	16	—	3	4
5—10 „ ...	166	7	12	101
10—15 „ ...	4	3	—	14
Over 15 years ...	1	—	—	—
TOTALS ...	225	10	29	140

	Tuberculosis	Diphtheria	Scarlet Fever	Enteric Fever	Erysipelas	Pneumonia	Puerperal Fever and Pyrexia	Encephalitis Lethargica	Other Diseases	Institutions	Slum Clearance	Vermis	Outside Authorities	TOTALS
<b>Number of Premises disinfected</b> ...	89	129	223	...	2	36	3	...	84	3	...	93	22	684
Rooms ...	125	158	281	...	2	38	3	...	167	3	...	178	32	987
<b>Number of Articles disinfected :—</b>														
Beds (Feather) ...	30	51	83	...	...	20	1	...	64	...	...	4	17	270
" (Flocks) ...	18	33	68	...	...	7	...	...	15	1	...	...	...	142
Mattresses (Hair) ...	45	44	94	...	...	9	2	...	32	112	...	7	14	359
" (Straw) ...	...	5	1	...	...	3	...	...	11	2	...	...	...	22
" (Flocks) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pillows ...	133	221	382	...	2	73	12	...	180	425	...	14	49	1491
Bolsters ...	44	78	130	...	1	22	3	...	64	...	...	7	21	370
Sheets ...	58	152	245	...	4	20	4	...	53	1	...	11	21	569
Blankets ...	132	233	448	...	8	19	7	...	87	281	...	14	187	1416
Quilts ...	29	95	159	...	...	13	3	...	38	4	...	4	12	357
Eiderdowns ...	12	24	75	...	...	4	1	...	15	22	...	...	12	165
Bed under-mats ...	1	4	9	...	...	...	...	...	5	...	...	...	1	20
" Covers ...	2	2	5	...	...	1	...	...	4	...	...	1	...	15
Curtains ...	2	...	1	...	...	2	...	...	4	...	...	...	2	11
Carpets (pieces) ...	10	2	...	...	...	...	...	...	3	...	...	...	...	15
Rugs ...	3	5	12	...	...	...	...	...	3	1	...	...	3	27
Hearthrugs ...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
Mats ...	3	2	...	...	...	...	...	...	...	...	...	...	...	5
Cushions ...	20	19	26	...	...	5	2	...	18	3	...	...	5	98
Wearing Apparel (pieces) ...	5	77	128	...	8	8	...	...	29	23	...	4	9	291
Books ...	...	69	191	...	...	...	...	...	...	...	...	...	...	260
Other Articles ...	16	24	37	...	5	4	...	...	23	36	...	...	4	149
<b>Number of Articles destroyed :—</b>														
Beds (Feather) ...	2	...	1	...	...	1	...	...	12	...	4	...	...	20
" (Flocks) ...	3	...	1	...	...	...	...	...	10	...	23	2	...	39
Mattresses (Hair) ...	2	...	1	...	...	2	...	...	10	...	6	3	...	24
" (Straw) ...	...	...	4	...	...	...	...	...	15	...	94	5	...	118
" (Flock) ...	...	...	...	...	...	...	...	...	1	...	5	...	...	6
Pillows ...	5	...	...	...	...	...	...	...	27	...	29	3	...	64
Bolsters ...	1	...	...	...	...	...	...	...	13	...	5	...	...	19
Sheets ...	...	...	...	...	...	...	...	...	11	...	4	...	...	15
Blankets ...	2	...	...	...	...	...	...	...	10	...	...	2	...	14
Quilts ...	...	...	...	...	...	...	...	...	2	...	4	...	...	6
Eiderdowns ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bed Covers ...	1	...	...	...	...	...	...	...	...	...	...	...	...	1
" Under-mats ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Curtains ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Carpets (pieces) ...	...	...	...	...	...	...	...	...	7	...	3	2	...	12
Rugs ...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
Hearthrugs ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mats ...	1	...	...	...	...	...	...	...	2	...	...	...	...	3
Cushions ...	1	...	...	...	...	...	...	...	7	...	2	1	...	11
Wearing Apparel (pieces) ...	...	...	...	...	...	...	...	...	26	...	3	5	...	34
Books ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Articles ...	...	...	...	...	...	...	...	...	118	...	...	6	...	124

**Amount of Disinfectant distributed :—**

Izal ... 120 gallons including 18 gallons for Mortuary, and 16½ gallons for Transport Department for disinfection of 'buses.

Chloros ... 5 gallons.

Other disinfectants ... 204 gallons including 16½ gallons for Transport Department for disinfection of 'buses.

**Amount of Disinfectant used for Disinfecting premises, etc. :—**

Formaldehyde ... 25 gallons.

Permanganate Tablets ... 6 gross.



## APPENDIX 15.

**BACTERIOLOGICAL EXAMINATIONS, FOR 1933.**

<b>Throat Swabs for Diphtheria :—</b>				<i>Positive.</i>		<i>Negative.</i>		<i>Total.</i>
Private Practitioners	...	...	...	79	...	599	...	678
City Hospital	...	...	...	172	...	625	...	797
School Clinic	...	...	...	49	...	1147	...	1196
Infant Welfare Centre	...	...	...	—	...	13	...	13
County Hospital	...	...	...	—	...	5	...	5
<b>Sputum for Tubercle Bacilli :—</b>								
Private Practitioners	...	...	...	25	...	124	...	149
Sanatorium	...	...	...	108	...	129	...	237
Dispensary	...	...	...	38	...	111	...	149
<b>Urine :—</b>								
Private Practitioners	...	...	...	—	...	1	...	1
Sanatorium	...	...	...	—	...	—	...	—
Dispensary	...	...	...	—	...	1	...	1
<b>V.D. Microscopical Tests :—</b>								
<b>For Gonococci Smears :—</b>								
Private Practitioners	...	...	...	6	...	27	...	33
V.D. Clinics	...	...	...	91	...	1130	...	1221
Urine Cultures for Gonococci	...	...	...	—	...	—	...	—
Blood for complement fixation tests	...	...	...	62	...	89	...	151
<b>Wassermann Tests :—</b>								
V.D. Clinics	...	...	...	119	...	248	...	367
Private Practitioners	...	...	...	28	...	102	...	130
Mental Hospitals	...	...	...	—	...	—	...	—
County Hospital	...	...	...	17	...	93	...	110
<b>Hairs for Ringworm :—</b>								
School Clinic	...	...	...	—	...	5	...	5
Infant Welfare Centre	...	...	...	—	...	1	...	1
Blood Films	...	...	...	—	...	1	...	1
<b>Superannuation Examinations :—</b>								
Urines Tested	...	...	...	—	...	40	...	40
<b>Police Candidates :—</b>								
Urines Tested	...	...	...	1	...	8	...	9
<b>Specimens of Pus :—</b>								
City Hospital	...	...	...	21	...	5	...	26
Private Practitioners	...	...	...	1	...	—	...	1
<b>Faeces for Typhoid :—</b>								
City Hospital	...	...	...	—	...	—	...	—
<b>Other Examinations :—</b>				18		37		55
<b>TOTALS</b>				835	...	4,541	...	5,376

## APPENDIX 16

## CITY HOSPITAL &amp; SANATORIUM.

## MONTHLY ADMISSIONS, 1933.

## LINCOLN PATIENTS.

1933 DISEASES	January	February	March	April	May	June	July	August	September	October	November	December	Total
Diphtheria ... ..	5	5	15	9	15	9	8	5	7	10	10	7	104
Scarlet Fever ... ..	8	4	4	4	5	4	10	11	19	40	40	39	188
Erysipelas ... ..	...	...	...	...	...	...	...	...	...	...	1	...	1
Pneumonia (all forms) ...	4	5	2	1	3	2	1	2	...	1	...	1	22
Puerperal Fever ... ..	...	...	1	...	...	...	...	...	1	1	...	...	3
Puerperal Pyrexia ... ..	...	...	...	1	...	...	...	...	...	...	...	1	2
Ophthalmia Neonatorum ...	...	...	...	1	...	...	...	...	...	1	...	...	2
Measles ... ..	1	...	...	2	...	...	...	...	...	...	...	...	3
Chickenpox and Chorea ...	...	...	...	...	...	...	1	...	...	...	...	...	1
Poliomyelitis ... ..	...	1	...	...	...	...	...	...	...	...	...	...	1
Tonsillitis ... ..	1	...	1	4	...	...	1	...	5	2	2	...	16
Bronchitis ... ..	...	1	...	...	...	...	...	...	...	...	...	...	1
Influenza ... ..	1	...	...	...	...	...	...	...	...	...	...	...	1
Observation Diphtheria ...	1	1	5	...	1	6	1	1	...	...	1	2	19
Observation Scarlet Fever	1	1	...	...	1	...	1	1	...	...	1	...	6
Observation Enteric Fever	1	1	1	...	...	...	...	...	...	...	...	...	3
Other Diseases ... ..	4	1	1	1	...	...	...	1	2	1	1	1	13
Tubercul: Pulmonary ...	7	2	6	3	5	5	3	3	4	4	5	4	51
„ Other Forms ... ..	2	...	6	2	2	1	3	1	4	...	2	1	24
„ Observation ... ..	4	1	3	2	...	6	4	2	3	4	...	1	30
TOTALS... ..	40	23	45	30	32	33	33	27	45	64	63	57	491



APPENDIX 17.  
CITY HOSPITAL—LINCOLN PATIENTS.

	Patients re- maining in Hospital 1st January, 1933		Patients discharged in 1933			Patients re- maining in Hospital 31st Dec., 1933		Analysis of all cases admitted in 1933 whether discharged or not during the year					Average No. of beds occupied in 1933
	Total	Died	Recov- ered	Total	Died	Recov- ered	Total	Case Mortality	Average No. of days in Hospital				
Diphtheria ...	15	3	107	10	3	102	105	2.8%	35.1	10.99			
Scarlet Fever ...	5	...	145	48	...	188	188	0%	30.5	16.21			
Erysipelas... ..	...	...	1	...	...	1	1	0%	18.0	.05			
Pneumonia (all forms) ...	1	7	16	...	7	15	22	31.8%	25.1	1.54			
Puerperal Fever ...	...	...	3	...	...	3	3	0%	54.3	.44			
Puerperal Pyrexia ...	...	...	1	1	...	2	2	0%	35.0	.19			
Ophthalmia Neonatorum ...	...	...	2	...	...	2	2	0%	67.0	.36			
Measles ...	...	...	3	...	...	3	3	0%	20.6	.17			
Chickenpox ...	2	...	2	...	...	...	...	...	...	.47			
Chickenpox and Choreia ...	...	...	1	...	...	1	1	0%	39.0	.10			
Poliomyelitis ...	...	...	1	...	...	1	1	0%	105.0	.28			
Tonsillitis ...	...	...	16	...	...	16	16	0%	15.4	.67			
Bronchitis ...	1	...	2	...	...	1	1	0%	12.0	.03			
Influenza ...	...	...	1	...	...	1	1	0%	11.0	.03			
Observation Diphtheria ...	1	...	18	2	...	19	19	0%	21.1	1.13			
Observation Scarlet Fever ...	2	...	8	...	...	6	6	0%	17.0	.35			
Observation Enteric Fever ...	...	...	3	...	...	3	3	0%	24.0	.19			
Other Diseases ...	1	...	13	1	...	13	13	0%	42.2	1.53			
TOTALS ...	28	10	343	62	10	377	387	—	—	34.73			

# APPENDIX 18.

## CITY HOSPITAL—Ages and Sex of Patients admitted during 1933.

### LINCOLN PATIENTS.

Diseases.	0-2 yrs.			2-3 yrs.			3-4 yrs.			4-5 yrs.			5-10 yrs.			10-15 yrs.			15-20 yrs.			20-25 yrs.			25-30 yrs.			30 & over			
	Male	Female	Total	Died	Male	Female	Total	Died	Male	Female	Total	Died	Male	Female	Total	Died	Male	Female	Total	Died	Male	Female	Total	Died	Male	Female	Total	Died	Male	Female	Total
Diphtheria	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Pyrexia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ophthalmia Neonatorum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chickenpox and Chorea	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Poliomyelitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tonsillitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bronchitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Influenza	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Observation Diphtheria	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Observation Scarlet fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Observation Enteric Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTALS	28	10	38	11	13	25	49	11	13	25	49	11	53	77	130	2	35	75	110	11	25	36	17	15	32	2	10	12	12	19	31



APPENDIX 19  
CITY OF LINCOLN

CASES ADMITTED FROM OUTSIDE AREAS DURING 1933.

	Lindsey C.C.			North Kesteven R.D.C.			Grantham M.B.			R.A.F. Cranwell			R.A.F. Bircham Newton			Mablethorpe U.D.C.			Louth Borough			Welton R.D.C.			West Kesteven R.D.C.			Kesteven C.C.			Total
	Male	Female	Total	Died	Male	Female	Total	Died	Male	Female	Total	Died	Male	Female	Total	Died	Male	Female	Total	Died	Male	Female	Total	Died	Male	Female	Total	Died	Male	Female	Total
Diphtheria ...	-	-	-	-	1	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	7
Scarlet Fever ...	-	-	-	-	3	1	4	-	-	-	-	-	1	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	9
Enteric Fever ...	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2
Puerperal Fever ...	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Septic Tonsillitis...	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1
Pulmonary Tuberculosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTALS ...	1	1	2	-	5	6	11	-	1	1	-	-	1	-	1	1	-	1	1	-	1	1	-	1	1	-	1	1	-	1	21

Number of patients from outside areas in Hospital on 1st January, 1933: 1 Diphtheria (North Kesteven R.D.C.)

## APPENDIX 20.

## BURTON ROAD INSTITUTION, LINCOLN.

Table showing the classification of the accommodation for sick, maternity and mental cases and the number of beds occupied on the 31st December, 1933.

Classification of Wards	Number of Wards	BEDS							
		MEN		WOMEN		CHILDREN (under 16 years 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)
1. Medical ...	2	14	14	14	14	...	...	28	28
2. Surgical... ..	2	6	6	6	6	...	...	12	12
3. Chronic Sick ...	4	30	30	30	30	...	...	60	60
4. Children ...	1	...	...	...	...	24	11	24	11
5. Venereal ...	...	...	...	...	...	...	...	...	...
6. Tuberculosis ...	2	6	...	6	...	...	...	12	...
7. Isolation ...	2	13	5	12	9	...	...	25	14
8. Maternity ...	...	...	...	...	...	...	...	...	...
9. Mental ...	...	...	...	...	...	...	...	...	...
(a) Lunacy Act, 1890	...	...	...	...	...	...	...	...	...
(i) Short stay ...	...	...	...	...	...	...	...	...	...
(ii) Long stay ...	...	...	...	...	...	...	...	...	...
(b) Mental Treat-ment Act, 1930	...	...	...	...	...	...	...	...	...
(i) Voluntary ...	...	...	...	...	...	...	...	...	...
(ii) Temporary ...	...	...	...	...	...	...	...	...	...
10. Mental defectives	4	24	9	24	19	...	...	48	28
11. Other ...	...	...	...	...	...	...	...	...	...
TOTAL ...	17	93	64	92	78	24	11	209	153

## APPENDIX 21.

*Statistics relating to the year ended 31st December, 1933.*

## (A) IN-PATIENTS.

1. Total number of admissions (including infants born in hospital)—396.
2. Number of women confined in hospital—0
3. Number of live births—0.
4. Number of still births—0
5. Number of deaths among the newly-born (i.e., under four weeks of age)—0
6. Total number of deaths among children under one year (including those given under 5)—0.
7. Number of Maternal deaths among women admitted to hospital for confinement—0.
8. Total number of deaths—103.
9. Total number of discharges (including infants born in hospital)—295.
10. Duration of stay of patients included in 8 and 9 above. Give number of cases whose total stay was for the following periods—
  - (a) Under four weeks—219.
  - (b) Four weeks and under thirteen weeks—81.
  - (c) Thirteen weeks or more—98.
11. Number of beds occupied (a) average during the year—153. (b) highest—175, on (date) 3.3.33. (c) lowest—143, on (date) 30.6.33.
12. Number of surgical operations under general anaesthetic (excluding dental operations)—15.
13. Number of abdominal sections—6.

## (B) OUT-PATIENTS.

*No Out-Patient Department provided.*



## APPENDIX 22.

## BURTON ROAD INSTITUTION.

Classification of In-Patients who were discharged from or  
who died in the Institution during the year  
ended 31st December, 1933.

DISEASE GROUPS					Children (under 16 years of age).		Men and Women	
					Dis- charged	Died	Dis- charged	Died
A.	Acute infectious disease.	...	...	...	2	—	1	—
B.	Influenza.	...	...	...	1	1	32	7
C.	Tuberculosis—							
	Pulmonary	...	...	...	—	—	4	2
	Non-pulmonary	...	...	...	—	—	2	—
D.	Malignant disease.	...	...	...	—	—	12	18
E.	Rheumatism—							
	(1) Acute rheumatism (rheumatic fever) together with sub-acute rheumatism and chorea	...	...	...	2	—	15	—
	(2) Non-articular manifestations of so- called "rheumatism" (muscular rheumatism, fibrositis, lumbago and sciatica)	...	...	...	—	—	30	—
	(3) Chronic arthritis	...	...	...	—	—	9	3
F.	Venereal disease	...	...	...	—	—	3	—
G.	Puerperal pyrexia	...	...	...	—	—	1	—
H.	Puerperal fever	(a) Women confined in the hospital	...	...	—	—	—	—
		(b) Other cases	...	...	—	—	—	—
I.	Other diseases and accidents connected with pregnancy and childbirth	...	...	...	—	—	—	—
J.	Mental diseases	(a) Senile Dementia	...	...	—	—	3	18
		(b) Other	...	...	—	—	—	—
K.	Senile decay.	...	...	...	—	—	22	10
L.	Accidental injury and violence	...	...	...	—	—	4	—
<i>In respect of cases not included above :</i>								
M.	Disease of the Nervous System and Sense Organs	...	...	...	—	—	16	9
N.	Disease of the Respiratory System	...	...	...	2	—	34	10
O.	" " Circulatory	"	...	...	—	—	16	17
P.	" " Digestive	"	...	...	3	—	20	—
Q.	" " Genito-urinary	"	...	...	—	—	20	8
R.	" " Skin	...	...	...	10	—	31	—
S.	Other diseases	...	...	...	—	—	—	—
T.	Mothers & infants discharged from Maternity Wards & not included in above figures	{ Mothers			—	—	—	—
		{ Infants			—	—	—	—
U.	Any persons not falling under any of the above headings	...	...	...	—	—	—	—
TOTALS ...					20	1	275	102

## APPENDIX 23.

## CANCER.—SITES OF FATAL CANCER, 1933.

Site	Under 35		35-45		45-55		55-65		65-75		75 and up		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Tongue and Mouth ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tonsils ...	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Naso-Pharynx ...	...	...	...	...	1	...	...	...	...	...	...	...	1	...
Oesophagus ...	...	...	...	...	1	...	1	...	...	...	...	...	2	...
Stomach ...	1	...	...	...	1	1	2	3	2	1	2	6	7	...
Bowel ...	...	...	...	...	2	1	...	1	1	2	...	2	3	6
Rectum ...	1	...	...	...	1	...	2	...	2	1	2	...	8	1
Liver ...	...	...	...	...	...	...	2	...	2	...	1	1	5	1
Pancreas ...	...	...	...	...	...	...	2	1	...	...	...	...	1	2
Gall Bladder ...	...	...	...	...	...	...	...	...	1	...	1	...	2	...
Kidney ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Abdominal ...	...	1	...	...	...	...	...	...	1	...	...	...	2	...
Bladder ...	...	...	...	...	1	...	...	...	...	...	...	...	1	...
Prostate ...	...	...	...	...	...	...	2	...	2	...	...	...	4	...
Breast ...	...	...	...	...	...	3	...	...	...	...	...	2	...	5
Uterus ...	...	1	...	1	...	1	...	5	...	3	...	...	...	11
Ovary ...	...	...	...	...	...	...	...	1	...	2	...	...	...	3
Female External Genitals ...	...	...	...	...	...	...	...	1	...	1	...	1	...	3
Larynx ...	...	...	...	...	...	...	...	...	2	...	...	...	2	...
Lungs ...	...	...	...	...	1	...	1	1	...	...	1	1	3	2
Bones ...	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Other Parts ...	...	...	...	...	...	...	...	...	...	...	1	2	1	2
TOTALS ...	2	2	...	1	7	6	10	13	14	13	6	12	39	47





## APPENDIX 24.

**PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1930.**

Summary of Notifications during the period from the 1st January, 1933, to the 31st December, 1933.

Age Periods ...	Formal Notifications.													
	Number of Primary Notifications of new cases of tuberculosis													Total Notifica- tions
	0-1	1-5	5-10	10-15	15-20	20-25	25-35	35-45	45-55	55-65	65 and upwds.	Total all Ages		
Pulmonary Males ...	—	1	2	1	2	3	7	8	7	3	2	36	37	
„ Females ...	—	—	—	1	3	—	5	4	2	2	1	18	18	
Non-pulmonary Males ...	—	4	3	4	—	1	—	—	—	1	—	13	13	
„ „ Females ...	—	5	1	3	2	1	1	—	—	—	—	13	13	

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

[illegible]

The source or sources from which information as to the above-mentioned cases was obtained.

Source of Information	No. of Cases	
	Pulmonary	Non-Pulmonary
Death Returns { from local Registrar ... ..	1	—
transferable deaths from Registrar General ... ..	3	—
Posthumous Notifications ... ..	—	1
"Transfers" from other areas (other than transferable deaths) ... ..	6	1
Other Sources, if any ... ..	—	—



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DEPARTMENT OF CHEMISTRY

Name		Date	
Title		Instructor	
Subject		Section	
Experiment		No.	
Result		Conclusion	

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Name		Date	
Title		Instructor	
Subject		Section	
Experiment		No.	
Result		Conclusion	

THE UNIVERSITY OF CHICAGO  
DEPARTMENT OF CHEMISTRY

Name		Date	
Title		Instructor	
Subject		Section	
Experiment		No.	
Result		Conclusion	

## APPENDIX 25.

## TUBERCULOSIS

No. of Cases on Notification Register 31st December, 1933.

Number of cases of Tuberculosis remaining at the 31st December, 1933, on the Register of Notifications ... ..	Pulmonary.			Non-Pulmonary.			Total Cases
	Males	Females	Total	Males	Females	Total	
	109	94	203	66	75	141	
Number of cases removed from the Registers during the year by reason <i>inter alia</i> of:—							
1. Withdrawal of notification ...	6	—	6	2	1	3	9
2. Recovery from the disease... ..	8	9	17	10	5	15	32
3. Death ... ..	31	23	54	4	3	7	61

## APPENDIX 26.

TUBERCULOSIS—NEW CASES AND MORTALITY, 1933.

AGE PERIODS.	NEW CASES.				DEATHS.			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	M.	F.	M.	F.	M.	F.	M.	F.
0—1 year ... ..	—	—	—	—	—	—	—	—
1—5 years ... ..	1	—	4	5	—	—	1	1
5—10 years ... ..	2	—	3	1	—	—	1	1
10—15 " ... ..	1	1	4	3	2	1	1	1
15—20 " ... ..	2	3	—	2	1	3	—	—
20 years ... ..	3	—	1	1	6	3	—	—
25 " ... ..	7	5	—	1	8	8	—	—
35 " ... ..	8	4	—	—	5	3	—	—
45 " ... ..	7	2	—	—	1	1	—	—
55 " ... ..	3	2	1	—	6	1	—	—
65 and upwards ...	2	1	—	—	1	1	—	—
Totals ... ..	36	18	13	13	30	21	5	3



APPENDIX 27  
ALL NOTIFIED CASES OF TUBERCULOSIS, 1933.

AGES	Pulmonary			Abdominal			Meninges			Bones & Joints			Glands			Skin			Other Organs			Non-Pul. All Forms		
	M	F	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total
Under 1 year	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1 and under 2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2—3 ...	—	—	—	1	—	1	—	—	—	—	—	1	—	1	—	—	—	—	—	—	2	—	2	—
3—4 ...	—	—	—	—	—	—	—	1	1	1	—	1	—	3	3	—	—	—	—	1	4	5	—	—
4—5 ...	1	—	1	1	—	1	—	—	—	—	—	—	1	1	1	—	—	—	—	1	1	2	—	—
5—10 ...	2	—	2	—	—	—	—	1	1	—	—	3	—	3	3	—	—	—	—	3	1	4	—	—
10—15 ...	1	1	2	—	2	2	1	1	2	2	—	1	—	1	1	—	—	—	1	—	5	3	8	—
15—20 ...	2	3	5	—	1	1	—	—	—	—	—	—	1	1	1	—	—	—	—	—	2	2	—	—
20—25 ...	3	—	3	—	—	—	—	—	—	1	1	1	—	—	1	—	—	—	—	1	1	2	—	—
25—35 ...	8	5	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	1	1	—	—
35—45 ...	12	5	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
45—55 ...	7	2	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
55—65 ...	3	2	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	1	—	—
Over 65 ..	2	1	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTALS ...	41	19	60	2	3	5	1	3	4	3	1	4	6	5	11	—	—	—	2	1	3	14	13	27

APPENDIX 28.

INTERVAL BETWEEN NOTIFICATION AND DEATH FROM TUBERCULOSIS.

	Not Notified	Notn. received after death	Under 1 week	1-2 weeks	2-4 weeks	1-2 months	2-3 months	3-6 months	6-12 months	One Year	Two Years	Three Years	Four Years	Five Years	Six Years	Seven Years or over	Total
Pulmonary	4	—	3	1	2	6	2	1	6	7	5	4	5	—	1	4	51
Non- Pulmonary	—	1	3	1	—	—	—	—	1	—	—	—	—	—	—	—	6

APPENDIX 29.

NON PULMONARY TUBERCULOSIS:

During the year 6 deaths were certified to be due to Non-Pulmonary Tuberculosis. The deaths were due to:—

	Male.		Female.		Total.
Tuberculous Meningitis	...	2	...	3	5
Tuberculous Peritonitis	...	1	...	—	1
					...
Total	...	3	...	3	6



APPENDIX 30.  
TUBERCULOSIS.

OCCUPATION.	PULMONARY.				NON-PULMONARY.			
	Notifications		Deaths		Notifications		Deaths	
	Males	Females	Males	Females	Males	Females	Males	Females
Bank Official ...	1	—	—	—	—	—	—	—
Dental Surgeon ...	—	—	1	—	—	—	—	—
Police Constable ...	1	—	1	—	—	—	—	—
Asylum Attendant	—	—	—	—	1	—	—	—
Musicians ...	2	—	1	—	—	—	—	—
Artist ...	1	—	—	—	—	—	—	—
Printer ...	—	—	—	—	1	—	—	—
Book Binder ...	—	1	—	—	—	—	—	—
Waiter ...	1	—	—	—	—	—	—	—
Waitress ...	—	—	—	1	—	—	—	—
Barber ...	1	—	—	—	—	—	—	—
Tailor ...	1	—	—	—	—	—	—	—
Postman ...	1	—	—	—	—	—	—	—
Nurses ...	—	1	—	—	—	—	—	—
Clerks ...	1	—	2	—	—	—	—	—
Shop Assistants ...	1	—	2	—	—	—	—	—
Barmen ...	1	—	3	—	—	—	—	—
Boot Repairer ...	—	—	1	—	—	—	—	—
Retired Foreman	—	—	—	—	—	—	—	—
Collier ...	—	—	1	—	—	—	—	—
Coal Dealer ...	—	—	1	—	—	—	—	—
Cabinet Maker ...	—	—	1	—	—	—	—	—
Army Pensioners ...	2	—	1	—	—	—	—	—
Naval man ...	1	—	—	—	—	—	—	—
Electrician ...	1	—	—	—	—	—	—	—
Engineers ...	2	—	—	—	—	—	—	—
Mechanic ...	—	—	1	—	—	—	—	—
Motor Van Driver...	1	—	—	—	—	—	—	—
Iron Workers ...	3	—	4	—	—	—	—	—
Grinder ...	—	—	1	—	—	—	—	—
Crane Driver ...	1	—	—	—	—	—	—	—
Machinist ...	1	—	—	—	—	—	—	—
Carter ...	1	—	1	—	—	—	—	—
Drover ...	—	—	1	—	—	—	—	—
Labourers ...	6	—	5	—	—	—	—	—
Housewives and Domestic Duties ...	—	14	—	10	—	1	—	—
No Occupation ...	6	2	—	9	—	4	—	—
Children of School Age ...	3	1	2	1	8	4	2	2
Children under School Age ...	1	—	—	—	4	4	1	1
TOTALS ...	41	19	30	21	14	13	3	3

## APPENDIX 31

## SLEEPING ACCOMMODATION, CASES NOTIFIED during 1933.

	On first visit	Afterwards
No. who occupy a separate bedroom ... ..	33	45
No. who occupy a parlour alone ... ..	—	—
No. who occupy a kitchen alone ... ..	—	—
No. who occupy a shelter in yard ... ..	—	—
No. who occupy a separate bed in room occupied by—		
One other person... ..	4	4
Two other persons ... ..	2	2
Three other persons ... ..	—	—
Many other persons (Common lodging house, etc.) ...	—	—
No. who occupy a bed in common with :—		
One other person... ..	23	11
Two other persons ... ..	3	3
Three other persons ... ..	—	—
Two beds in a room :—		
Two persons in each bed ... ..	—	—
Three persons in each bed ... ..	—	—
Cases removed from Lincoln before being visited ...	—	—
Died before being visited ... ..	—	—
TOTAL ...	65	65

## APPENDIX 32.

## HOME VISITING OF TUBERCULOSIS PATIENTS, 1933.

	MALES		FEMALES		Total
	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	
No. of visits to new cases ... ..	24	15	18	8	65
No. of visits to patients on domiciliary treatment ... ..	9	72	71	125	277
No. of visits to patients on dispensary treatment ... ..	1552	743	1692	779	4766
No. of special visits for contact search ... ..	18	14	21	21	74
No. of visits to cases died ... ..	6	—	4	—	10
No. of visits to cases and removed from the City ... ..	1	3	2	—	6
No. of other special visits paid in connection with the Tuberculosis Scheme ...	20	38	21	48	127
TOTAL ...	1630	885	1829	981	5325



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 ...	25	14	1	1	2	3	9	7	27	17	10	8	62	
(b) Diagnosis not completed...	—	—	—	—	—	—	—	—	4	1	4	—	9	
(c) Non-tuberculous ...	—	—	—	—	—	—	—	—	19	16	16	17	68	
B.—CONTACTS examined during the year :—														
(a) Definitely tuberculous ...	—	1	—	—	—	—	—	—	—	1	—	—	1	
(b) Diagnosis not completed...	—	—	—	—	—	—	—	—	—	—	—	—	—	
(c) Non-tuberculous ...	—	—	—	—	—	—	—	—	6	14	16	18	54	
C.—CASES written off the Dispensary Register as														
(a) Recovered ...	5	5	5	4	3	4	5	1	8	9	10	5	32	
(b) Non-tuberculous (including any such cases previously diagnosed and entered on the Dispensary Register as tuberculous) ...	—	—	—	—	—	—	—	—	26	33	35	35	129	
D.—NUMBER OF CASES on Dispensary Register on December 31st :—														
(a) Definitely tuberculous ...	81	62	14	17	16	19	35	35	97	81	49	52	279	
(b) Diagnosis not completed	—	—	—	—	—	—	—	—	4	1	4	—	9	
1. Number of cases on Dispensary Register on January 1st ...													308	
2. Number of cases transferred from other areas and cases returned after discharge under Head 3 in previous years ...													7	
3. Number of cases transferred to other areas, cases not desiring further assistance under the scheme, and cases "lost sight of" ...													13	
4. Cases written off during the year as Dead (all causes) ...													47	
5. Number of attendances at the Dispensary (including Contacts) ...													1108	
6. Number of Insured Persons under Domiciliary Treatment on the 31st December ...													54	
7. Number of consultations with medical practitioners														
(a) Personal ...													43	
(b) Other ...													82	
8. Number of visits by Tuberculosis Officers to Homes (including personal consultations) ...													123	
9. Number of visits by Nurses or Health Visitors to Homes for Dispensary purposes ...													4809	
10. Number of														
(a) Specimens of Sputum, &c., examined ...													535	
(b) X-ray examinations made in connection with Dispensary work													204	
11. Number of "Recovered" cases restored to Dispensary Register, and included in A(a) and A(b) above ...													4	
12. Number of "T.B. plus" cases on Dispensary Register on the 31st December ...													94	
Number of Dispensaries for the treatment of Tuberculosis (excluding centres used only for special forms of treatment).														
Provided by the Council ...										One				
Provided by the Joint Committee ...										Nil				
Provided by Voluntary Bodies ...										Nil				



## APPENDIX 34.

Number of beds available for the treatment of Tuberculosis on the 31st December 1933, 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	
City Hospital and Sanatorium, Lincoln ... ..	50	6	3	2	61

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 (1)	Admitted during the year (2)	Discharged during the year (3)	Died in the Institutions. (4)	In Institutions on Dec. 31st (5)
Number of doubtfully tuberculous cases admitted for observation.	Adult males	—	7	7	—	—
	Adult females	1	6	7	—	—
	Children	—	17	15	—	2
	Total	1	30	29	—	2
Number of definitely tuberculous patients admitted for treatment	Adult males	16	34	23	10	17
	Adult females	12	19	20	4	7
	Children	9	22	16	8	7
	Total	37	75	59	22	31
GRAND TOTAL ... ..		38	105	88	22	33



## APPENDIX 35.

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

Diagnosis on discharge from observation	FOR PULMONARY TUBERCULOSIS						FOR NON-PULMONARY TUBERCULOSIS						TOTALS		
	Stay under 4 weeks			Stay over 4 weeks			Stay under 4 weeks			Stay over 4 weeks					
	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.
Tuberculous ...	2	1	1	1	—	—	—	—	1	—	—	—	3	1	2
Non-tuberculous	—	1	5	4	3	7	—	1	—	—	1	1	4	6	13
Doubtful ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTALS ...	2	2	6	5	3	7	—	1	1	—	1	1	7	7	15

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

		In Institutions on Jan. 1st	Admitted during the year	Discharged during the year	Died in the Institutions	In Institutions on Dec. 31st
Number of patients suffering from pulmonary tuberculosis admitted for treatment.	Adult males	1	5	4	2	—
	Adult females	—	1	—	—	1
	Children	—	—	—	—	—
	Total	1	6	4	2	1
Number of patients suffering from non-pulmonary tuberculosis admitted for treatment.	Adult males	1	—	1	—	—
	Adult females	1	—	—	—	1
	Children	—	—	—	—	—
	Total	2	—	1	—	1
GRAND TOTAL ...		3	6	5	2	2



## APPENDIX 36.

## TUBERCULOSIS SCHEME.

**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			Totals			
			M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	
PULMONARY TUBERCULOSIS	Class T.B. minus	Quiescent ...	1	2	—	1	1	2	1	1	1	—	—	—	3	4	3	10
		Not quiescent ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		Died in Institution	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Class T.B. plus Group I.	Quiescent ...	—	1	—	—	—	—	2	—	—	1	1	—	3	2	—	5
		Not quiescent ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		Died in Institution	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Class T.B. plus Group 2	Quiescent ...	2	—	—	3	4	—	3	2	—	—	1	—	8	7	—	15
		Not quiescent ...	2	1	—	1	—	—	2	1	—	1	—	—	6	2	—	8
		Died in Institution	2	1	—	—	—	—	3	1	—	—	—	—	5	2	—	7
	Class T.B. plus Group 3	Quiescent ...	—	—	—	1	—	—	—	—	—	—	—	—	1	—	—	1
		Not quiescent ...	—	—	—	—	1	—	—	—	—	—	—	—	—	1	—	1
		Died in Institution	4	2	1	—	—	—	—	—	1	1	—	1	5	2	3	10
TOTALS (pulmonary)		...	11	7	1	6	6	2	11	5	2	3	2	1	31	20	6	57
NON-PULMONARY TUBERCULOSIS	Bones and Joints	Quiescent ...	—	—	—	—	—	—	—	1	1	1	1	2	1	2	3	6
		Not quiescent ...	—	—	2	—	—	—	—	—	1	—	—	—	—	—	3	3
		Died in Institution	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abdom- inal	Quiescent ...	—	—	1	—	2	1	—	—	—	—	—	1	—	2	3	5
		Not quiescent ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		Died in Institution	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1	1
	Other Organs	Quiescent ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		Not quiescent ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		Died in Institution	—	—	4	—	—	—	—	—	—	—	—	—	—	—	4	4
	Peri- pheral Glands	Quiescent ...	—	—	1	—	—	1	1	—	—	—	—	—	1	—	2	3
		Not quiescent ...	—	—	2	—	—	—	—	—	—	—	—	—	—	—	2	2
		Died in Institution	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTALS (non-pulmonary)		...	—	—	10	—	2	2	1	1	3	1	1	3	2	4	18	24





## APPENDIX 37.

Persons who were Treated at the Treatment Centres at Lincoln during the Year ended the 31st December, 1933.

	Syphilis		Soft Chancre		Gonorrhoea		Conditions other than Venereal		Totals			14. Chief preparations used in treatment of Syphilis :— (a) Names of preparations ...	Arsenobenzene Compounds	Mercury	Bismuth
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totals		Sulfarsenol Stabilaran.	Squires Mercurial Cream	I.B.Q. Bivazol Thio-Bismol
1. Number of cases on 1st January under treatment or observation ...	67	50	—	—	75	44	2	1	144	95	238				
2. Number of cases removed from the register during any previous year which returned during the year under report for treatment or observation of the same infection ...	3	1	—	—	1	4	—	1	4	6	10				
3. Number of cases dealt with for the first time during the year under report (exclusive of cases under Item 4) suffering from :—															
Syphilis, primary ...	4	1	—	—	—	—	—	—	4	1	5				
" secondary ...	2	3	—	—	—	—	—	—	2	3	5				
" latent in 1st year of infection ...	—	—	—	—	—	—	—	—	—	—	—				
" all later stages ...	4	9	—	—	—	—	—	—	4	9	13				
" congenital ...	3	5	—	—	—	—	—	—	3	5	8				
Soft Chancre ...	—	—	—	—	—	—	—	—	—	—	—				
Gonorrhoea, 1st year of infection ...	—	—	—	—	50	14	—	—	50	14	64				
" later ...	—	—	—	—	2	1	—	—	2	1	3				
Conditions other than Venereal ...	—	—	—	—	—	—	49	156	49	156	205				
4. Number of cases dealt with for the first time during the year under report known to have received treatment at other Centres for the same infection ...	1	3	—	—	8	1	—	—	9	4	13				
Totals of Items 1, 2, 3 and 4 ...	84	72	—	—	136	64	51	158	271	294	565				
5. Number of cases discharged after completion of treatment and final tests of cure (see Item 15) ...	4	3	—	—	29	9	51	154	84	166	250				
6. Number of cases which ceased to attend before completion of treatment and were, on first attendance, suffering from :—															
Syphilis, primary ...	2	—	—	—	—	—	—	—	2	—	2				
" secondary ...	1	2	—	—	—	—	—	—	1	2	3				
" latent in 1st year of infection ...	—	—	—	—	—	—	—	—	—	—	—				
" all later stages ...	3	4	—	—	—	—	—	—	3	4	7				
" congenital ...	—	2	—	—	—	—	—	—	—	2	2				
Soft Chancre ...	—	—	—	—	—	—	—	—	—	—	—				
Gonorrhoea, 1st year of infection ...	—	—	—	—	14	7	—	—	14	7	21				
" later ...	—	—	—	—	1	1	—	—	1	1	2				
7. Number of cases which ceased to attend after completion of treatment but before final tests of cure (see Item 15) ...	1	1	—	—	7	3	—	—	8	4	12				
8. Number of cases transferred to other centres or to institutions, or to care of private practitioners ...	6	8	—	—	15	3	—	—	21	11	32				
9. Number of cases remaining under treatment or observation on 31st December ...	67	52	—	—	70	41	—	4	137	97	234				
Totals of Items 5, 6, 7, 8 and 9 ... (These totals should agree with those of Items 1, 2, 3 and 4).	84	72	—	—	136	64	51	158	271	294	565				
10. Number of cases in the following stages of syphilis included in Item 6 which failed to complete one course of treatment :—															
Syphilis, primary ...	2	—	—	—	—	—	—	—	2	—	2				
" secondary ...	1	2	—	—	—	—	—	—	1	2	3				
" latent in 1st year of infection ...	—	—	—	—	—	—	—	—	—	—	—				
" all later stages ...	3	2	—	—	—	—	—	—	3	2	5				
" congenital ...	—	1	—	—	—	—	—	—	—	1	1				
11. Number of attendances :— (a) for individual attention of the medical officers ... (b) for intermediate treatment, e.g., irrigation, dressing ...	1411	1115	—	—	976	1034	127	491	2514	2640	5154				
TOTAL ATTENDANCES ...	1411	1115	—	—	4459	2768	130	874	6000	4757	10757				
12. In-patients :— (a) Total number of persons admitted for treatment during the year ... (b) Aggregate number of "in-patient days" of treatment given...	—	—	—	—	1	—	—	—	1	—	1				
	—	—	—	—	127	—	—	—	127	—	127				
	Under 1 year	1 and under 5 years	5 and under 15 years	15 years and over	Totals										
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.					
	—	—	1	—	1	2	1	3	3	5					
13. Number of cases of congenital syphilis in Item 3 above classified according to age periods ...	—	—	1	—	1	2	1	3	3	5					





## APPENDIX 38.

## HOUSING.

## 1. Inspection of Dwelling-houses during the Year :—

(1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	...	...	1,246
(b) Number of inspections made for the purpose	...	...	2,761
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925	...	...	147
(b) Number of inspections made for the purpose	...	...	245
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation			98
(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	...	...	467

## 2. Remedy of Defects during the Year without Service of formal Notices:

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	...	497
---	-----	-----

## 3. Action under Statutory Powers during the Year :—

## A.—Proceedings under sections 17, 18 and 23 of the Housing Act, 1930 :

(1) Number of dwelling-houses in respect of which notices were served requiring repairs	...	...	19
(2) Number of dwelling-houses which were rendered fit after service of formal notices :—			
(a) by owners	...	...	23
(b) By local authority in default of owners	...		—

## B.—Proceedings under Public Health Acts :

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	...	116
(2) Number of dwelling-houses in which defects were remedied after service of formal notices :—		
(a) By owners	...	87
(b) By local authority in default of owners	...	10

## C.—Proceedings under sections 19 and 21 of the Housing Act, 1930 :

(1) Number of dwelling-houses in respect of which Demolition Orders were made...	...	22
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders	...	12

## D.—Proceedings under section 20 of the Housing Act, 1930 :

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made	...	2
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit	...	—



## APPENDIX 39.

## NUMBER AND CLASS OF ANIMALS FOUND AFFECTED WITH TUBERCULOSIS.

	Bulls		Bullocks		Cows		Heifers		Calves		Pigs		
	A.	P.S.	A.	P.S.	A.	P.S.	A.	P.S.	A.	P.S.	A.	P.S.	
Whole Carcases and Organs	—	—	1	2	5	1	—	—	1	—	1	18	Shops.
Part Carcases and Organs	6	—	28	1	41	4	14	1	—	—	116	100	Workshop Pigs ... 3
													Shop Heifer ... 1
													Pig ... 1
Organs only ...	9	—	36	1	56	1	6	3	—	—	47	22	Shop Calf ... 1
TOTALS ...	15	—	65	4	102	6	20	4	2	—	164	140	
A—Abattoir.													P.S.—Private Slaughterhouses.

## APPENDIX 40.

## Number and Class of Animals affected with Disease or Conditions other than Tuberculosis.

Class	Whole Carcase and Organs affected		Part Carcase and Organs affected		Organs only affected		Total
	Abattoir	Private Slaughterhouses	Abattoir	Private Slaughterhouses	Abattoir	Private Slaughterhouses	
Bulls	...	...	...	...	..	...	...
Bullocks	...	...	1 Actinomycosis	...	46 Flukes	1 Cirrhosis	48
	...	...	1 Johnnes Disease	...	17 Abscesses	1 Inflammation	19
	...	...	1 Flukes	...	2 Actinomycosis	1 Hydatid Cysts	4
	...	...	...	...	3 Inflammation	...	3
	...	...	...	...	1 Nephritis	...	1
	...	...	...	(Shop)	1 Hydatid Cysts	...	1
	...	...	...	1 Necrosis	...	...	1
	...	...	...	1 Abscesses	...	...	1—78
Cows	1 Septic Pericarditis	...	2 Actinomycosis	1 Abscesses	11 Flukes	...	15
	1 Febrile Disease	...	...	...	2 Cirrhosis	...	2
	...	...	...	...	5 Abscesses	...	6
	...	...	...	...	2 Nephritis	...	2
	...	...	...	...	1 Johnnes Disease	...	1—26
Heifers	...	...	...	1 Actinomycosis	9 Flukes	1 Flukes	11
	...	...	...	...	1 Inflammation	1 Hydatid Cysts	2—13
Calves	1 Bruised	...	1 Bruised	...	4 Inflammation	...	6
	1 Febrile Disease	...	...	...	1 Bruised	...	2
	1 Joint ill	...	...	...	...	...	1
	1 Blackleg	...	...	...	...	...	1
	1 Dropsy	...	...	...	...	...	1—11
Pigs	6 Jaundice	1 Croker	7 Bruised	...	6 Cirrhosis	3 Inflammation	23
	4 Dropsy	1 Urticaria	5 Urticaria	...	17 Inflammation	2 Hydatid Cysts	29
	1 Febrile Disease	4 Smothered	1 Nephritis	...	5 Abscesses	...	11
	1 Splenic Leukaemia	2 Febrile Disease	...	...	4 Hydatid Cysts	...	7
	...	1 Bruised	...	...	1 Nephritis	...	2
	...	1 Jaundice	...	...	...	1 Inflammation (Shop)	...
	...	(Shop)	...	...	...	...	2—74
	...	...	...	...	...	...	...
Sheep	2 Croker	...	1 Bruised	...	1 Cirrhosis	...	4
	1 Dropsy	...	1 Abscesses	...	5 Flukes	...	7
	...	...	...	...	1 Dropsy	...	1
	...	...	...	...	2 Inflammation	...	2
	...	...	...	...	1 Rupture	...	1—15
					Total Number of Animals —		217





## APPENDIX 41.

## OTHER FOODSTUFFS DESTROYED.

					st.	lbs.
Beef, mutton and pork	...	...	...	...	209	10
Fish	...	...	...	...	8	10
Ground Rice	...	...	...	...	6	9
Coffee	...	...	...	...	1	0
Currants	...	...	...	...	8	0
Tinned Foods	...	...	...	...	26	8
Baking Powder and Egg Powder	...	...	...	...	0	8

## APPENDIX 42.

## FOOD AND DRUGS ACTS.

Nature of Sample	Adulterated	Genuine	Informal	Formal	Total
Milk	13	69	4	78	82
Butter	—	19	13	6	19
Potted Meat	2	6	6	2	8
Sausages	—	7	7	—	7
Cream	—	5	5	—	5
Margarine	—	5	5	—	5
Tea	—	3	3	—	3
Dried Mint	2	1	2	1	3
Lard	—	3	3	—	3
Lemon Curd	—	2	2	—	2
Jam	—	2	2	—	2
Self Raising Flour	—	2	2	—	2
Vinegar	—	2	—	2	2
Beef Suet	—	2	2	—	2
Potted Beef Paste	—	2	1	1	2
Salmon and Shrimp Paste	—	2	2	—	2
Lobster Paste	—	1	1	—	1
Chicken and Ham Paste	—	1	1	—	1
Bread, white	—	1	1	—	1
Baking Powder	—	1	1	—	1
Barley	—	1	1	—	1
Bicarbonate of Soda	—	1	1	—	1
Cocoa	—	1	1	—	1
Custard Powder	—	1	1	—	1
Cream Cheese	—	1	1	—	1
Cheese	—	1	1	—	1
Ground Almonds	—	1	1	—	1
Cokernut	—	1	1	—	1
Jelly	—	1	1	—	1
Lemonade Powder	—	1	1	—	1
Malted Oatmeal	—	1	1	—	1
Olive Oil	—	1	1	—	1
Pepper, White	—	1	1	—	1
Rice	—	1	1	—	1
Sugar	—	1	1	—	1
Sponge Mixture	—	1	1	—	1
Sweets, Boiled	—	1	1	—	1
	17	153	80	90	170





## APPENDIX 43.

## FOOD AND DRUGS ACTS.

## Administrative Action regarding Samples reported to be not genuine.

No. in Record	Date 1933	Article	Adulteration	Extent of Adulteration	ACTION TAKEN.
7, 8, 10 & 12	Feb. 23	Milks	Nos. 7 & 10. Deficient in Solids-not Fat and Milk-fat. Nos. 8 & 12. Added water	Slight  8.8 per cent. 12.2 per cent.	These samples were taken during course of transit and proceedings were instituted in the case of Samples No. 8 and 12. Cases dismissed.
15	Mar. 13	Milk	Deficient in Milk Fat	10.6 per cent.	Vendor gave notice to Local Authority requiring sample to be taken in course of delivery. See remarks on sample No. 25.
25	15	Milk	Deficient in Milk Fat	5.0 per cent.	This sample was taken in course of delivery from the producer to the retailer of sample No. 15, the Local Authority having been requested by the retailer to take such sample. Proceedings taken. Cases dismissed on payment of costs, 19/- each.
38	May 4	Potted Meat	Contained Wheat Starch	2.0 per cent.	This was an informal sample. See sample No. 41.
41	24	Potted Meat	Contained Wheat Starch	2.3 per cent.	Letters of warning were sent by the Town Clerk to the vendor of this sample and to the manufacturer of the potted meat.
91	Sept. 20	Milk	Deficient in Solids-not-Fat.	Slight	Further sample taken. See No. 100.
100	25	Milk	Added water	19.7 per cent.	Vendors gave notice to the Local Authority requiring sample to be taken in course of delivery. See sample No. 109.
103	25	Milk	Deficient in Milk Fat	16.6 per cent.	Proceedings were instituted against vendor and the case was dismissed on payment of 19/- costs.
108	28	Milk	Added water	26.2 per cent.	Informal sample taken in course of delivery to vendor of Sample No. 100 and from the same source as sample No. 109.
109	29	Milk	Added water	15.7 per cent.	This sample was taken in course of delivery to the vendors of sample No. 100. Proceedings were instituted against the wholesaler who was convicted and fined £2-0-0 and 19s. costs.
141	Nov. 8	Mint	Contained foreign leaf (Ailanthus)	35 per cent.	This was an informal sample. See sample No. 151.
151	11	Mint	Contained foreign leaf (Ailanthus)	25 per cent.	Proceedings instituted against the vendor who successfully pleaded a warranty from the wholesalers. Proceedings were instituted against the wholesalers who, in turn, successfully pleaded a warranty.
168 & 170	Dec. 14	Milks	Deficient in Milk Fat	9.3 per cent. 6.3 per cent.	Letter of warning sent to the vendor by the Town Clerk.



# ADMINISTRATIVE ACTION REGARDING SAMPLES REPORTED TO FOOD AND DRUG ACTS APPENDIX

Sample No.	Date	Adm. Act.	Disposition	Remarks
10 & 12	7-1-32	100%	100%	100%
13	7-1-32	100%	100%	100%
14	7-1-32	100%	100%	100%
15	7-1-32	100%	100%	100%
16	7-1-32	100%	100%	100%
17	7-1-32	100%	100%	100%
18	7-1-32	100%	100%	100%
19	7-1-32	100%	100%	100%
20	7-1-32	100%	100%	100%
21	7-1-32	100%	100%	100%
22	7-1-32	100%	100%	100%
23	7-1-32	100%	100%	100%
24	7-1-32	100%	100%	100%
25	7-1-32	100%	100%	100%
26	7-1-32	100%	100%	100%
27	7-1-32	100%	100%	100%
28	7-1-32	100%	100%	100%
29	7-1-32	100%	100%	100%
30	7-1-32	100%	100%	100%
31	7-1-32	100%	100%	100%
32	7-1-32	100%	100%	100%
33	7-1-32	100%	100%	100%
34	7-1-32	100%	100%	100%
35	7-1-32	100%	100%	100%
36	7-1-32	100%	100%	100%
37	7-1-32	100%	100%	100%
38	7-1-32	100%	100%	100%
39	7-1-32	100%	100%	100%
40	7-1-32	100%	100%	100%
41	7-1-32	100%	100%	100%
42	7-1-32	100%	100%	100%
43	7-1-32	100%	100%	100%
44	7-1-32	100%	100%	100%
45	7-1-32	100%	100%	100%
46	7-1-32	100%	100%	100%
47	7-1-32	100%	100%	100%
48	7-1-32	100%	100%	100%
49	7-1-32	100%	100%	100%
50	7-1-32	100%	100%	100%
51	7-1-32	100%	100%	100%
52	7-1-32	100%	100%	100%
53	7-1-32	100%	100%	100%
54	7-1-32	100%	100%	100%
55	7-1-32	100%	100%	100%
56	7-1-32	100%	100%	100%
57	7-1-32	100%	100%	100%
58	7-1-32	100%	100%	100%
59	7-1-32	100%	100%	100%
60	7-1-32	100%	100%	100%
61	7-1-32	100%	100%	100%
62	7-1-32	100%	100%	100%
63	7-1-32	100%	100%	100%
64	7-1-32	100%	100%	100%
65	7-1-32	100%	100%	100%
66	7-1-32	100%	100%	100%
67	7-1-32	100%	100%	100%
68	7-1-32	100%	100%	100%
69	7-1-32	100%	100%	100%
70	7-1-32	100%	100%	100%
71	7-1-32	100%	100%	100%
72	7-1-32	100%	100%	100%
73	7-1-32	100%	100%	100%
74	7-1-32	100%	100%	100%
75	7-1-32	100%	100%	100%
76	7-1-32	100%	100%	100%
77	7-1-32	100%	100%	100%
78	7-1-32	100%	100%	100%
79	7-1-32	100%	100%	100%
80	7-1-32	100%	100%	100%
81	7-1-32	100%	100%	100%
82	7-1-32	100%	100%	100%
83	7-1-32	100%	100%	100%
84	7-1-32	100%	100%	100%
85	7-1-32	100%	100%	100%
86	7-1-32	100%	100%	100%
87	7-1-32	100%	100%	100%
88	7-1-32	100%	100%	100%
89	7-1-32	100%	100%	100%
90	7-1-32	100%	100%	100%
91	7-1-32	100%	100%	100%
92	7-1-32	100%	100%	100%
93	7-1-32	100%	100%	100%
94	7-1-32	100%	100%	100%
95	7-1-32	100%	100%	100%
96	7-1-32	100%	100%	100%
97	7-1-32	100%	100%	100%
98	7-1-32	100%	100%	100%
99	7-1-32	100%	100%	100%
100	7-1-32	100%	100%	100%

## APPENDIX 44.

## FACTORIES, WORKSHOPS &amp; WORKPLACES.

1.—INSPECTION OF FACTORIES, WORKSHOPS AND WORKPLACES.						Including Inspections made by Sanitary Inspectors			
PREMISES.						Number of			Prosecutions.
						Inspections.	Written Notices.		
FACTORIES (Including Factory Laundries) ... ..						39	3	Nil	
WORKSHOPS (Including Workshop Laundries) ... ..						154	8		
WORKPLACES ... ..						37	6		
Total ... ..						230	17		
2.—DEFECTS FOUND IN FACTORIES, WORKSHOPS AND WORKPLACES.						Number of defects.			Number of Prosecutions.
PARTICULARS.						Found	Remedied.	Referred to H.M. Inspector	
Nuisances under the Public Health Acts :—									Nil
Want of cleanliness ... ..						15	15		
Want of ventilation ... ..						1	1		
Overcrowding ... ..						...	1		
Want of drainage of floors ... ..						1	2		
Other nuisances ... ..						8	8		
Sanitary accommodation { Insufficient ... ..						1	2	Nil	
{ Unsuitable or defective ... ..						5	5		
{ Not separate for sexes ... ..						1	1		
Offences under the Factory and Workshop Acts :—									
Illegal occupation of underground bakehouse (s.101) ... ..						...	...		
Other Offences ... ..						...	...		
Total ... ..						32	35		



## APPENDIX 45.

# WORK CARRIED OUT AT THE INFANT WELFARE CENTRES DURING 1933.

## Notification of Births Acts, 1907 and 1915.

Number of births registered ... ..	875
Number of births notified ... ..	869
No. of notices sent out re notification of births ... ..	58

Of these :—

- 143 were notified by Doctors.
- 679 were notified by Midwives.
- 98 were notified by Parents.
- 7 were notified by Registrar.

The following table shows the number of Home Visits paid by the Health Visitors during the period under report :—

	<i>Breast Fed</i>	<i>Bottle Fed</i>	<i>Mixed</i>	<i>Total</i>
First visits to infants	539	148	14	751

Revisits under					Special Visits	Total
1 yr.	2 yrs.	3 yrs.	4 yrs.	5 yrs.		
1319	1360	1238	1185	1017	134	6253

N.C. Visits	Lost Visits	Stillbirth Enquiries	Visits to illegitimate Infants	Ophthalmia Neonatorum	Infectious Diseases	Total
1534	316	11	95	60	45	2061

TOTAL ... 8,314

## Still-births.

Notified by Doctors	...	...	...	...	...	...	6
" " Midwives	...	...	...	...	...	...	30
" " Registrar	...	...	...	...	...	...	5
Total							41
Attended by Doctors alone	...	...	...	...	...	...	11
" " Midwives	...	...	...	...	...	...	16
" " Doctors and Midwives	...	...	...	...	...	...	10
Born before arrival	..	...	...	...	...	...	4
							41
Occurred at 9 months	...	...	...	...	...	25	
" " 8 "	...	...	...	...	...	7	
" " 7 "	...	...	...	...	...	9	

## APPENDIX 46.

## INFANTILE DEATH ENQUIRY.

Number notified ...	...	...	...	...	...	46
Number investigated	...	...	...	...	...	19
Died shortly after birth and in Institutions (not investigated)...						12
Died shortly after birth (not investigated)	...	...	...	...	...	7
Died in Institutions (not investigated)	...	...	...	...	...	8
Died shortly after birth—premature birth (investigated)	...	...	...	...	...	3
Breast fed	...	...	...	...	...	7
Artificially fed	...	...	...	...	...	8
Mixed feeding	...	...	...	...	...	1
						46
Of the artificially and mixed fed infants :—						
Fed on breast and cows milk	...	...	...	...	...	1
Fed on cows milk	...	...	...	...	...	4
Fed on dried milk	...	...	...	...	...	3
Fed on proprietary preparations	...	...	...	...	...	1
						9

---

DISTRICT NURSING ASSOCIATION.		
Number of Cases.	Number of Visits paid by Nurses.	Cost.
55	512	£50 0s. 6d.

---

OPHTHALMIA NEONATORUM REGULATION, 1914.		
Cases notified by Medical Practitioners	...	3
Treated at home	...	1
Treated on the District and transferred to City Hospital	...	2
		—3
Vision Unimpaired	...	2
Vision Impaired	...	1
		—3



## APPENDIX 47.

## INFANT CLINICS.

## INFANT CONSULTATIONS.

## CENTRE.

Number of children on the register...1,668

Total number of attendances...10,536

No. of babies first visits.					No. of visits by babies who have previously attended.					Kesteven and Lindsey	Total
Under 1 yr.	Under 2 yrs.	Under 3 yrs.	Under 4 yrs.	Under 5 yrs.	Under 1 yr.	Under 2 yrs.	Under 3 yrs.	Under 4 yrs.	Under 5 yrs.		
410	20	41	54	44	4921	2542	990	583	460	471	10536

## BAILGATE.

Number of children on the register...478

Total number of attendances...3,816

No. of babies first visits.					No. of visits by babies who have previously attended.					Kesteven and Lindsey	Total
Under 1 yr.	Under 2 yrs.	Under 3 yrs.	Under 4 yrs.	Under 5 yrs.	Under 1 yr.	Under 2 yrs.	Under 3 yrs.	Under 4 yrs.	Under 5 yrs.		
142	7	3	3	7	2008	965	370	193	109	9	3816

## BOULTHAM.

Number of children on the register...222

Total number of attendances...1,725

No. of babies first visits.					No. of visits by babies who have previously attended.					Kesteven and Lindsey	Total
Under 1 yr.	Under 2 yrs.	Under 3 yrs.	Under 4 yrs.	Under 5 yrs.	Under 1 yr.	Under 2 yrs.	Under 3 yrs.	Under 4 yrs.	Under 5 yrs.		
55	3	4	3	2	805	476	179	109	89	—	1725

236 cases have attended both at the Centre and the Extension Clinics.

The infants attending during the year, have been classified according to physical conditions:—

Normal General advice given	...	...	...	...	...	...	...	546
Suffering as a result of incorrect feeding advised and visited by H.V'S.	...	...	...	...	...	98	Number of Cases	Revisits
							563	
Suffering from some defect or disease and seen by the doctor	...						1488	

## APPENDIX 48.

## DEFECTS FOUND IN INFANTS ATTENDING AT CENTRES.

Number of Attendances—		
BAILGATE ...	1,149	CENTRE ... 3,365      BOULTHAM ... 605
The following list shows the diseases or defects from which the children, seen by the Doctor, were suffering :—		
DISEASES	Total number of Cases      Attendances	
Respiratory defects or diseases ... ..	146	626
Gastro Intestinal defects or disorders ... ..	58	213
Glandular—Tubercular ... ..	5	19
—Non Tubercular ... ..	16	56
Debility ... ..	102	433
Feeding troubles ... ..	152	592
Marasmus ... ..	9	41
Pneumonia ... ..	4	24
Congenital Malformation ... ..	3	14
Paralysis ... ..	1	3
Infantile Paralysis ... ..	1	2
Cardiac trouble ... ..	1	11
Mentally Defective ... ..	7	15
Infectious diseases ... ..	4	12
Minor Ailments ... ..	327	835
Rickets ... ..	61	235
Tonsils and Adenoids ... ..	47	120
Tonsillitis ... ..	5	7
Phimosis ... ..	75	220
Hernia ... ..	4	39
Umbilical Hernia ... ..	20	131
Skin ailments ... ..	118	410
Ringworm ... ..	6	21
Abscess ... ..	9	36
Naevus ... ..	5	17
Carious teeth ... ..	11	20
Defective eyes ... ..	81	311
Ear troubles ... ..	48	212
Mastoid ... ..	1	1
Anaemia ... ..	27	162
Enuresis ... ..	3	7
Threadworms ... ..	16	36
Fracture ... ..	1	1
Rheumatism ... ..	1	1
Cellulitis ... ..	1	3
Nephritis ... ..	1	1
Albuminuria ... ..	1	8
Tubercular Peritonitis ... ..	1	7
Colitis ... ..	1	3
Vaginal Discharge ... ..	3	12
Normal ... ..	105	202
	1,488	5,119

## MEDICAL TABLE.

Of the 1,488 cases seen by the Doctor :—

Treated at the Clinic ... ..	967
Nursing attention received at the Clinic ... ..	25
	(Attendances 136)
Referred to County Hospital ... ..	110
" District Nursing Association ... ..	44
" Dentist ... ..	14
" Private Doctor ... ..	32
" Dispensary Doctor ... ..	5
" Orthopaedic Clinic ... ..	24
" Tuberculosis Clinic ... ..	14
" Light Clinic ... ..	140
" Special Clinic ... ..	3
" Burton Road Institution ... ..	5
Normal cases—no treatment required ... ..	105
	1,488

The following are the particulars of the cases referred to the County Hospital :—

Phimosis ... ..	15	Gastro disorder ... ..	93
Pneumonia ... ..	3	Naevus ... ..	6
Defective eyes ... ..	28	Wry Neck ... ..	1
Ear Troubles ... ..	9	Congenital malformation ... ..	1
Mastoid ... ..	2	Injury to ankle ... ..	1
Tonsils and Adenoids ... ..	20	Fracture ... ..	1
Skin Ailment ... ..	4	Epistaxis ... ..	1
Abscess ... ..	7	For X Ray ... ..	1
Swollen glands ... ..	1	Injury to leg ... ..	1
Cyst ... ..	3	Minor Ailments ... ..	3
Hernia ... ..	1		
	93		110





# METHOD OF TENDING THE CROPS

All crops		Crops requiring special attention	
Wheat	175	Barley	100
Oats	25	Rye	15
Peas	10	Beans	5
Turnips	100	Carrots	10
Onions	10	Potatoes	10
Apples	10	Pears	10
Plums	10	Cherries	10
Strawberries	10	Raspberries	10
Blackberries	10	Blueberries	10
Gooseberries	10	Currents	10
Loganberries	10	Elderberries	10
Summers	10	Winter	10

## ATTENTION TO THE CROPS DURING THE WINTER

All crops		Crops requiring special attention	
Wheat	175	Barley	100
Oats	25	Rye	15
Peas	10	Beans	5
Turnips	100	Carrots	10
Onions	10	Potatoes	10
Apples	10	Pears	10
Plums	10	Cherries	10
Strawberries	10	Raspberries	10
Blackberries	10	Blueberries	10
Gooseberries	10	Currents	10
Loganberries	10	Elderberries	10
Summers	10	Winter	10



APPENDIX 49.  
METHOD OF FEEDING (First attenders).

Method	All Centres		Total
	Regular Hours	Irregular Hours	
Natural ... .. — ...	203	136	339
Artificial ... ..	136	85	221
Combined (natural and artificial) ...	24	23	47
Children over 1 yr. (various diets) ...	152	38	190
Breast feeding over 1 year of age ...	—	1	1
TOTALS ...	515	283	798

APPENDIX 50.

DENTAL TREATMENT carried out in connection with MATERNITY  
AND CHILD WELFARE.

	Cases inspected		Total number of Attendances	
	Children	Adults	Children	Adults
Normal Cases ... ..	73	—	76	—
Treatment necessary ... ..	303	59	667	151
	376	59	743	151
Of these :—				
Received treatment ... ..	...	...	248	50
Refused treatment ... ..	...	...	42	7
For treatment later ... ..	...	...	5	2
Arrested Caries ... ..	...	...	6	—
Referred to School Clinic ... ..	...	...	2	—
			303	59
The 298 cases were treated as follows :—				
<i>Children.</i>			<i>Adults.</i>	
Extractions (General Anaest.)	677		Extractions (General Anaest.)	20
Extractions (Gas) ... ..	7		Extractions (Local Anaest.) ...	343
Fillings ... ..	30		Extractions (Gas) ... ..	54
Paintings ... ..	88		Dressings ... ..	1
Dressings ... ..	14		Fillings ... ..	6
			Scale and clean ... ..	6
			Paintings ... ..	2

## APPENDIX 51.

## PROVISION OF MILK &amp; FOOD TO NECESSITOUS CASES, 1933.

Cases on the Register—1,194			Attendances made—25,435		
Expectant Mothers	Nursing Mothers	Children under 5 yrs. of age	Expectant Mothers	Nursing Mothers	Children under 5 yrs. of age
168	247	779	1306	2942	21187

Assisted Services.			<i>No. of Cases.</i>			<i>Cost.</i>		
						£	s.	d.
Milk and Food	...	1194				2807	8	4
Home Nursing	...	15				7	9	3
Home Helps	...	44				136	0	8
Maternity Home Cases		94				380	7	10
District Midwifery Cases		7				2	15	0
Medical Help	...	1				3	3	0
Medical Services—Dentistry		1				1	1	0
Maternity Benefit	...	158				140	14	10
Sunlight Treatment		126				22	18	10
		1640						
							£3,501	18 9

Assisted under Local Government Act, 1929—								
						£	s.	d.
Maternity Home cases		54				315	2	4
District Midwifery cases		20				16	4	9
Home Nursing	...	2				8	0	8
Artificial Dentures	...	1				4	0	0
Medical extras	...	10				3	16	4
		87						
		1727					£3,447	4 1
							£3,849	2 10

of this amount £135 5s. 10d. has been refunded.

## APPENDIX 52.

## MIDWIVES ACT, 1902.

In accordance with the rules of the Central Midwives' Board, the following notices have been received :—

Of intention to practise	...	...	...	...	...	5
Records of sending for medical help	...	...	...	...	...	126
" " substituting artificial feeding for breast feeding	...	...	...	...	...	26
" " having laid out a dead body	...	...	...	...	...	1
" " death of mother or child	...	...	...	...	...	1
Stillbirths notified	...	...	...	...	...	9

13 routine visits of inspection of Midwives were made *re* their house, bag and appliances by the Medical Officer of Health.



## APPENDIX 53.

## ANTE-NATAL AND POST-NATAL CLINICS.

					<i>Total Number of</i>	
					<i>Cases.</i>	<i>Attendances.</i>
Maternity Home	...	...	...	...	244	1166
District ...	...	...	...	...	75	173
Post-natal	...	...	...	...	47	124
					366	1463
The 366 cases attending the Clinic have been classified according to physical conditions :—						
Ante-Natal.					Post-Natal.	
Albuminuria	...	...	...	39	Prolapse Vaginal Wall	3
Gastro disorder	...	...	...	2	Retroversion	1
Tuberculosis	...	...	...	1	Erosion	8
Respiratory defects	...	...	...	1	Mastitis	6
Cardiac	...	...	...	14	Sub-involution	1
Aortic disease	...	...	...	6	Gall Stones	1
High Blood Pressure	...	...	...	10	Nephritis	4
Anaemia	...	...	...	12	Anaemia	6
Nephritis	...	...	...	1	Debility	7
Ante-partum Haemorrhage	...	...	...	2	Vaginal Discharge	1
Hydramnios	...	...	...	1	Skin Ailments	2
Malpresentation	...	...	...	1	Carious Teeth	2
Previous Complications	...	...	...	17	Minor Ailments	5
Contracted Pelvis	...	...	...	13		47
Dangerous Varicose Veins	...	...	...	9		
Skin Ailment	...	...	...	6		
Threadworms	...	...	...	1		
Malignant growth	...	...	...	1		
Venereal Disease	...	...	...	3		
Vaginal Discharge	...	...	...	44		
Not Pregnant	...	...	...	5		
Normal	...	...	...	130		
319						
Referred to County Hospital	...	...	...	...	8	
„ Private Doctor	...	...	...	...	14	
„ Dentist ...	...	...	...	...	79	
Transferred to Maternity Home	...	...	...	...	13	
Referred to Light Clinic	...	...	...	...	38	
Not pregnant—discharged	...	...	...	...	5	
Cases visited at their own homes by the Midwives :—						
	<i>1st Visits.</i>		<i>Revisits.</i>		<i>Total.</i>	
Maternity Home	105		81		186	
District	251		1505		1756	
Post-Natal	149		46		195	
	505		1632		2137	
Number of routine visits paid by Medical Practitioners under Scheme :—						
District—Ante-natal	...	...	...	...	202	
Post-natal	...	...	...	...	100	
					302	

## APPENDIX 54.

## SPECIAL CLINIC.

	Syphilis	Gonorrhoea	Nil V.D.	Total
No. on register at beginning of year ...	10	14	...	24
No. of patients ceased to attend and returned during the year ...	...	2	...	2
No. of New Cases... ..	2	4	147	153
Total ...	12	20	147	179
No. of cases ceased to attend before completion of treatment ...	2	5	...	7
No. of cases ceased to attend after completion of treatment but before final tests of cure ...	...	1	...	1
No. of cases transferred to other Treatment Centres ...	...	...	...	...
No. of cases discharged as cured ...	...	1	147	148
No. of cases still under treatment or observation ...	10	13	...	23
Total ...	12	20	147	179
Out-patient attendances :—				
(a) To Medical Officer ...	104	208	421	733
(b) Treated by Nurse ...	...	771	382	1153
Total Attendances ...	104	979	803	1886
No. of " In-patient days " ...	...	...	...	...

## Analysis of new cases according to Districts :—

	Lincoln	Lindsey	Kesteven	Notts.	Total
Syphilis ...	2	...	...	...	2
Gonorrhoea ...	4	...	...	...	4
Nil V.D. ...	130	3	12	2	147
Total ...	136	3	12	2	153
Total No. of Attendances ...	1836	23	22	5	1886
No. of " In-patient days " ...	...	...	...	...	...
No. of doses of arseno benzol ...	52	...	3	...	55

## No. of Pathological Specimens for examination :—

For Wassermann Reaction ...	132
For detection of Gonococci ...	428
Serum Tests for Gonorrhoea ...	100



## APPENDIX 55.

## MATERNITY HOME AND DISTRICT MIDWIFERY SERVICE.

1. Total No. of cases admitted or attended	<b>MATERNITY HOME.</b>			
	Lying-in cases delivered ...	...	...	262
	" " B.B.A's. ...	...	...	5
	Post-natal cases (emergencies) ...	...	...	9
				—276
	Emergencies Incomplete abortion ...	...	...	4
	" Post-partum Heamorrhage ...	...	...	1
	" Retained Placenta ...	...	...	1
	" Puerperal Pyrexia ...	...	...	1
	" Eclampsia ...	...	...	1
	" Albuminuria ...	...	...	1
				— 9
	Ante-natal cases for treatment ...	...	...	38
	Normal waiting patients ...	...	...	25
				— 63
2. Average duration of stay	<b>DISTRICT.</b>			
	Lying-in cases ...	...	...	385
				—
				661
3. No of cases delivered by	Maternity Home ...	...	...	14 days
	District ...	...	...	14 days
	Maternity Home (a) Midwives ...	...	...	203
	(b) Doctors ...	...	...	59
				—262
	District (a) Midwives ...	...	...	297
	(b) Doctors ...	...	...	42
	B.B.A's. ...	...	...	46
				—385
4. No of cases in which medical aid was sought by the Midwife, with reasons for requiring assistance	<b>(a) Ante-Natal. Maternity Home.</b>			
	Contracted Pelvis ...	...	...	10
	Albuminuria ...	...	...	4
	Malpresentation ...	...	...	1
	Cardiac... ...	...	...	2
	Gastro disorder ...	...	...	2
	Ante-partum Haemorrhage ...	...	...	3
	For Induction of Labour ...	...	...	1
	Hydramnios ...	...	...	1
	Ovarian Cyst ...	...	...	1
	Dangerous Varicose Veins ...	...	...	1
	Emergencies Contracted Pelvis ...	...	...	1
	" Ectopic Gestation ...	...	...	1
	" Persistent Vomiting ...	...	...	2
	" Albuminuria ...	...	...	5
	" Anaemia ...	...	...	1
	" Ante-partum Haemorrhage ...	...	...	2
	" Diabetes ...	...	...	1
				—39
	<b>District.</b>			
	Albuminuria ...	...	...	9
	Contracted Pelvis ...	...	...	4
	Threatened Miscarriage ...	...	...	2
	Ante-partum Haemorrhage ...	...	...	1
	Gastro Disorder ...	...	...	2
	Rheumatism ...	...	...	1
	Dangerous Varicose Veins ...	...	...	1
	Post Mature ...	...	...	1
	Emergency Ante-partum Haemorrhage ...	...	...	1
	" Threatened Abortion ...	...	...	1
				—23

## APPENDIX 55—continued.

4. (Continued)	(b) During Labour.	Maternity Home.
	Prolonged first stage ...	7
	Prolonged second stage ...	8
	Malpresentation ...	2
	Contracted Pelvis ...	3
	Obstructed Labour ...	1
	Ante-partum Haemorrhage ...	2
	Difficult Twins ...	1
	Retained Placenta ...	1
	Adherent Placenta ...	1
	Adherent Membrane ...	1
	Retained Membrane ...	1
	Rigor ...	1
Emergencies	Prolonged second Stage ...	2
	Malpresentation ...	1
	Ante-partum Haemorrhage ...	1
	Contracted Pelvis ...	3
	Albuminuria ...	1
	Placenta Praevia ...	1
		—38
	District.	
	Prolonged first stage ...	5
	Prolonged second stage ...	11
	Malpresentation ...	4
	Concealed Accidental Haemorrhage ...	1
	Obstructed Labour ...	2
	Foetal Distress ...	1
	Miscarriage ...	4
	Retained Placenta ...	2
	Retained Membrane ...	1
		—31
(c) After Labour.	Maternity Home.	
	Phlebitis ...	2
	Rise of Temperature ...	1
	Ruptured perineum ...	37
	Torn Labia ...	2
	Vaginal Laceration ...	1
	Post-partum haemorrhage ...	3
	Poor Condition of Mother ...	1
	Inflamed Breast ...	1
	Painful Leg ...	1
Emergency	Albuminuria ...	1
	Puerperal Pyrexia ...	1
	Retained Placenta ...	1
		—52
	District.	
	Post-partum Haemorrhage ...	5
	Rise of Temperature ...	3
	Pain in Leg ...	1
	Eclampsia ...	1
	Phlebitis ...	1
	Rheumatism ...	1
	Mastitis ...	2
	After Miscarriage ...	7
	Shock after Twin Labour ...	1
	Delirium due to Shock ...	1
	Ruptured Perineum ...	27
		—50



## APPENDIX 55—continued.

4. (Continued)	(d) Infant.				Maternity Home.	
					Age.	
	Prematurity	...	...	...	At birth	2
	Premature Twins	...	...	...	At birth	2
	Feeble and Premature	...	...	...	2 days	1
	Feeble baby	...	...	...	At birth	1
	" "	...	...	...	1 hour	1
	" "	...	...	...	2 days	1
	Convulsions	...	...	...	At birth	1
	Asphyxia	...	...	...	4 hours	1
	Phimosis	...	...	...	1 day	1
	Imperforate Anus	...	...	...	2 days	1
	Jaundice	...	...	...	3 days	1
	"	...	...	...	5 days	1
	Malaena Neonatorum	...	...	...	3 days	1
	"	...	...	...	4 days	1
	Skin Ailments	...	...	...	13 days	1
						—17
					District.	
	Prematurity	...	...	...	Age.	
	"	...	...	...	At birth	1
	"	...	...	...	7 hours	1
	"	...	...	...	1 day	1
	Feeble Twin	...	...	...	2 hours	1
	Small and Feeble Baby	...	...	...	4 hours	1
	Convulsions	...	...	...	1 day	1
	"	...	...	...	3 days	1
	Skin Ailment	...	...	...	1 day	1
	"	...	...	...	3 days	1
	"	...	...	...	6 days	1
	"	...	...	...	7 days	1
	"	...	...	...	9 days	1
	"	...	...	...	10 days	2
	"	...	...	...	12 days	1
	Discharging Eyes	...	...	...	2 days	1
	"	...	...	...	4 days	1
	"	...	...	...	8 days	1
	Inflamed Umbilicus	...	...	...	2 days	1
	Persistent Vomiting	...	...	...	3 days	1
	Baby Comatosed	...	...	...	3 days	1
	Death of Baby	...	...	...	3 days	1
	Discharging Ear	...	...	...	5 days	1
						—23
5. No. of cases notified as Puerperal Sepsis with result of treatment in each case	Maternity Home				...	1
	Result of Treatment—Death of Patient				...	
	District	...	...	...	...	Nil
6. No. of cases in which Temp. rose to 100.4 for 24 hours with rise of pulse rate	Maternity Home				...	5
	District				...	4
						—9
7. No of cases notified as Ophthalmia Neonatorum with result of treatment in each case	Maternity Home				...	Nil.
	District				...	3
	Result of treatment :—					
	Vision normal				...	2
	Vision impaired				...	1
						—
						3
						—

8. Number of cases of inflammation of the eyes, however slight	Maternity Home ... .. 21 District ... .. 34 —55
9. No. of infants not entirely breast fed while in the Institution or on the District, with reasons why they are not entirely breast fed	<p style="text-align: center;"><b>Maternity Home.</b></p> Poor condition of mother ... .. 3 Mother has Skin Ailment ... .. 1 Mother has Tuberculosis ... .. 2 Mother died ... .. 4 Previous Mastitis ... .. 1 Insufficient secretion ... .. 22 Medically advised ... .. 2 Twins—one breast fed ... .. 1 Mother returning to work ... .. 6 Mother refused ... .. 5 —17 <p style="text-align: center;"><b>District.</b></p> Poor condition of mother ... .. 1 Mastitis ... .. 1 Threatened Mastitis ... .. 2 Insufficient secretion ... .. 15 Insufficient secretion—Twins ... .. 4 Medically advised ... .. 2 Twins—one breast fed in each case ... .. 2 Mother returning to work ... .. 2 Mother refused ... .. 6 Previous Mastitis ... .. 2 —37
10. No. of maternal deaths with causes	<p style="text-align: center;"><b>Maternity Home.</b></p> Toxaemia Puerperal Septicaemia 1 Eclampsia (Puerperal) Diabetes 1 Intestinal Paralysis, Caesarean Section 1 Parturition, Contracted Pelvis (Post-mortem) ... 1 Shock and Exhaustion, transferred from District 1 Emergency Myocardial Failure, Pregnancy 1 —6 <p style="text-align: center;"><b>District.</b></p> Pulmonary Embolism ... 1 Syncope caused by difficult delivery, (patient undelivered) 1 —2
11. No. of foetal deaths (Stillborn or within 10 days of birth) and their causes and the result of the post-mortem examination if obtainable	<p style="text-align: center;"><b>Maternity Home.</b></p> Miscarriage ... .. 4 Stillborn ... .. 14 Reasons :— Ante-partum Haemorrhage ... .. 1 Premature separation of Placenta ... .. 1 Macerated Foetus ... .. 5 Difficult instrumental delivery ... .. 5 Prematurity ... .. 1 Prematurity B.B.A. ... .. 1 —14



11. (Continued)	<p style="text-align: center;"><b>Maternity Home—continued</b></p> <p>Died within 10 days of birth ... 10</p> <p>Reasons :—</p> <table><tr><td>Imperforate Anus</td><td>...</td><td>...</td><td>...</td><td>1</td></tr><tr><td>Prematurity</td><td>...</td><td>...</td><td>...</td><td>2</td></tr><tr><td>Premature Twins</td><td>...</td><td>...</td><td>...</td><td>2</td></tr><tr><td>Convulsions—Premature Birth</td><td>...</td><td>...</td><td>...</td><td>1</td></tr><tr><td>Bronchitis—Premature</td><td>...</td><td>...</td><td>...</td><td>1</td></tr><tr><td>Intestinal Haemorrhage</td><td>...</td><td>...</td><td>...</td><td>1</td></tr><tr><td>Probably Heart Failure...</td><td>...</td><td>...</td><td>...</td><td>1</td></tr><tr><td>Immature Birth</td><td>...</td><td>...</td><td>...</td><td>1</td></tr><tr><td></td><td></td><td></td><td></td><td>—10</td></tr></table> <p style="text-align: center;"><b>District.</b></p> <table><tr><td>Miscarriage</td><td>...</td><td>...</td><td>...</td><td>20</td></tr><tr><td>Stillborn</td><td>...</td><td>...</td><td>...</td><td>15</td></tr></table> <p>Reasons :—</p> <table><tr><td>Prematurity</td><td>...</td><td>...</td><td>...</td><td>1</td></tr><tr><td>Macerated Foetus</td><td>...</td><td>...</td><td>...</td><td>7</td></tr><tr><td>Difficult instrumental delivery</td><td>...</td><td>...</td><td>...</td><td>2</td></tr><tr><td>Difficult breech delivery</td><td>...</td><td>...</td><td>...</td><td>1</td></tr><tr><td>Anencephalic Foetus</td><td>...</td><td>...</td><td>...</td><td>1</td></tr><tr><td>Ante-partum Haemorrhage</td><td>...</td><td>...</td><td>...</td><td>1</td></tr><tr><td>Concealed Accidental Haemorrhage</td><td>...</td><td>...</td><td>...</td><td>1</td></tr><tr><td>No apparent cause</td><td>...</td><td>...</td><td>...</td><td>1</td></tr><tr><td></td><td></td><td></td><td></td><td>—15</td></tr></table> <p>Died within 10 days of birth ... 7</p> <p>Reasons :—</p> <table><tr><td>Cerebral Haemorrhage</td><td>...</td><td>...</td><td>...</td><td>1</td></tr><tr><td>Deficient Vitality</td><td>...</td><td>...</td><td>...</td><td>1</td></tr><tr><td>Convulsions, Premature</td><td>...</td><td>...</td><td>...</td><td>2</td></tr><tr><td>Prematurity</td><td>...</td><td>...</td><td>...</td><td>2</td></tr><tr><td>Meningial Haemorrhage</td><td>...</td><td>...</td><td>...</td><td>1</td></tr><tr><td></td><td></td><td></td><td></td><td>—7</td></tr></table>	Imperforate Anus	...	...	...	1	Prematurity	...	...	...	2	Premature Twins	...	...	...	2	Convulsions—Premature Birth	...	...	...	1	Bronchitis—Premature	...	...	...	1	Intestinal Haemorrhage	...	...	...	1	Probably Heart Failure...	...	...	...	1	Immature Birth	...	...	...	1					—10	Miscarriage	...	...	...	20	Stillborn	...	...	...	15	Prematurity	...	...	...	1	Macerated Foetus	...	...	...	7	Difficult instrumental delivery	...	...	...	2	Difficult breech delivery	...	...	...	1	Anencephalic Foetus	...	...	...	1	Ante-partum Haemorrhage	...	...	...	1	Concealed Accidental Haemorrhage	...	...	...	1	No apparent cause	...	...	...	1					—15	Cerebral Haemorrhage	...	...	...	1	Deficient Vitality	...	...	...	1	Convulsions, Premature	...	...	...	2	Prematurity	...	...	...	2	Meningial Haemorrhage	...	...	...	1					—7
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				—7																																																																																																																															
Pupil Midwives	Seventeen students entered for the Central Midwives' Board Examination. Fifteen were successful.																																																																																																																																		
General Remarks	<p><b>Maternity Home.</b></p> <table><tr><td>General Visitors</td><td>...</td><td>...</td><td>...</td><td>1,056</td></tr><tr><td>Visitors to Patients</td><td>...</td><td>...</td><td>...</td><td>5,672</td></tr></table> <p>27 cases were transferred from the District to the Maternity Home on account of threatened complications or unsuitable housing conditions.</p>	General Visitors	...	...	...	1,056	Visitors to Patients	...	...	...	5,672																																																																																																																								
General Visitors	...	...	...	1,056																																																																																																																															
Visitors to Patients	...	...	...	5,672																																																																																																																															

## APPENDIX 56.

**Report of Work done at ORTHOPAEDIC CLINIC (Infant Welfare Cases), during 1933.**

Total number of cases seen by Orthopaedic Surgeon	...	...	...	45
Total number of attendances made by the patients	...	...	...	415
New cases seen during the year	...	...	...	20

The cases seen by the Orthopaedic Surgeon were suffering from the following defects :—

Rickets	...	...	...	...	...	14
Bow Legs	...	...	...	...	...	8
Poliomyelitis	...	...	...	...	...	3
Genu Valgum	...	...	...	...	...	4
Spastic Paraplegia or Hemiplegia	...	...	...	...	...	3
Cerebellar Tumour	...	...	...	...	...	1
Mentally Defective	...	...	...	...	...	2
Flat Feet	...	...	...	...	...	1
Hammer Toes	...	...	...	...	...	3
Torticollis	...	...	...	...	...	1
Old Burn	...	...	...	...	...	1
Talipes Equinus Varus	...	...	...	...	...	1
Erb's Paralysis	...	...	...	...	...	1
? Hip	...	...	...	...	...	1
? Leg	...	...	...	...	...	1
Total						45

Number of X-Ray examinations made at the City Hospital	...	1
Number of X-Ray examinations made at the County Hospital	...	1
Number of cases referred to County Hospital for in-patient treatment		13
Total number of in-patient days at the County Hospital	...	226

The 13 cases admitted to the County Hospital were suffering from the following defects :—

Torticollis	...	...	...	...	...	1
Bow Legs	...	...	...	...	...	4
Rickets	...	...	...	...	...	6
Poliomyelitis	...	...	...	...	...	1
Genu Valgum	...	...	...	...	...	1
Total						13

The following treatment was carried out at the Orthopaedic Clinic :—

Massage	...	...	...	...	...	167
Electrical treatment	...	...	...	...	...	36
Plaster of Paris Applications	...	...	...	...	...	28
Supervision	...	...	...	...	...	135
Refused Treatment	...	...	...	...	...	3



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