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1939



1939

County Borough of Burton upon Trent

ANNUAL REPORT

OF THE

Medical Officer of Health

FOR THE YEAR 1939

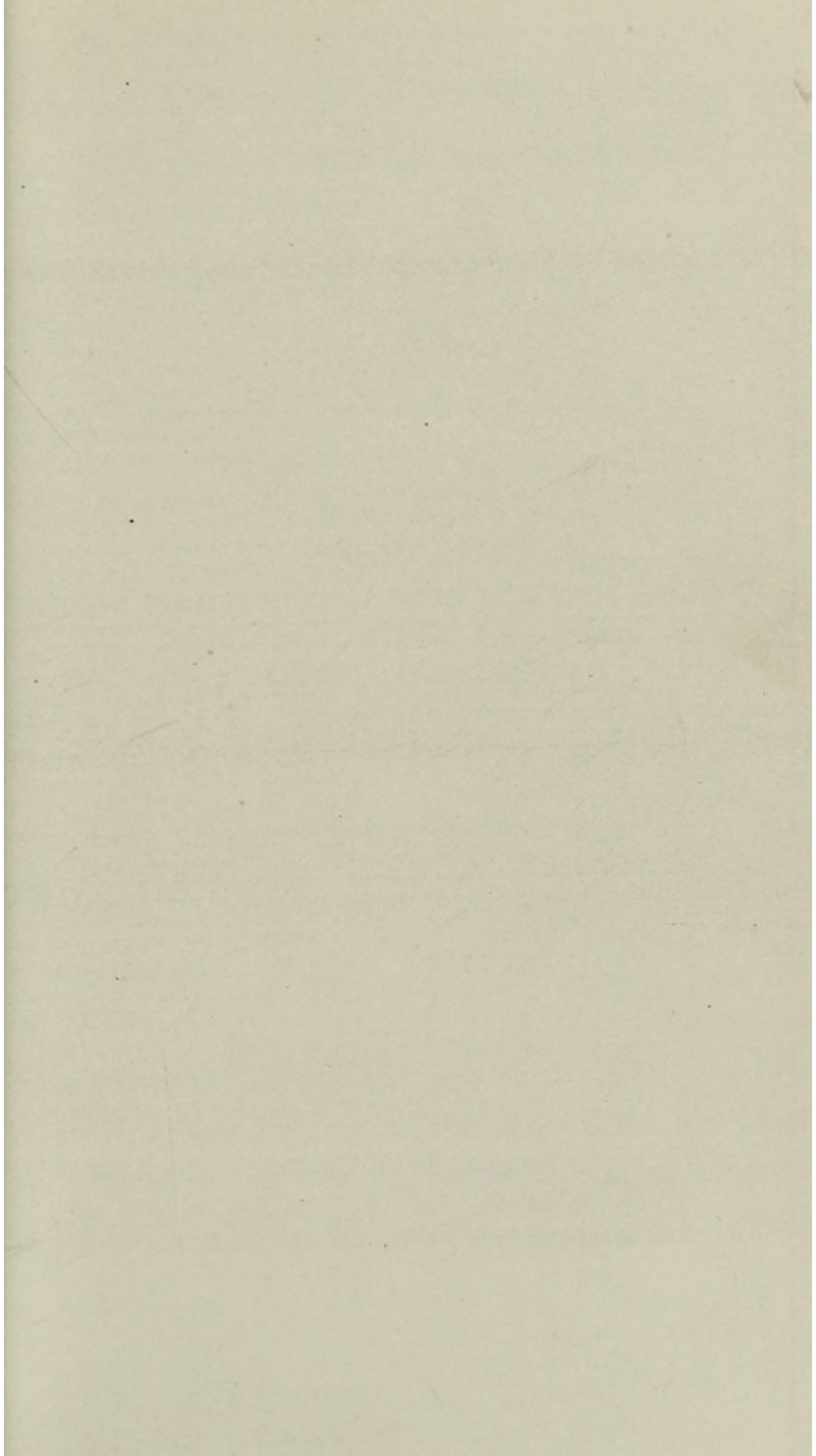
By JAMES M. COWIE, M.D., D.P.H.

ALSO

Reports of the Sanitary Inspector and

Superintendent of Refuse Removal

and Destructor Department.



County Borough of Burton upon Trent

HEALTH COMMITTEE.

THE MAYOR (COUNCILLOR J. JONES, J.P.).
(*Vice-Chairman*)

Chairman—ALDERMAN W. HUTSON, J.P.

ALDERMAN J. W. CLARK, J.P.

ALDERMAN A. ELLIOTT, J.P.

ALDERMAN G. SANDERS.

COUNCILLOR A. BAMFORD.

COUNCILLOR J. T. H. JACKSON.

COUNCILLOR J. H. JONES. J.P.

COUNCILLOR G. E. RIDER.

COUNCILLOR F. G. THOMPSON.

COUNCILLOR T. H. WALTERS.

MATERNITY AND CHILD WELFARE COMMITTEE.

MEMBERS OF THE HEALTH COMMITTEE.

MRS. BELL.

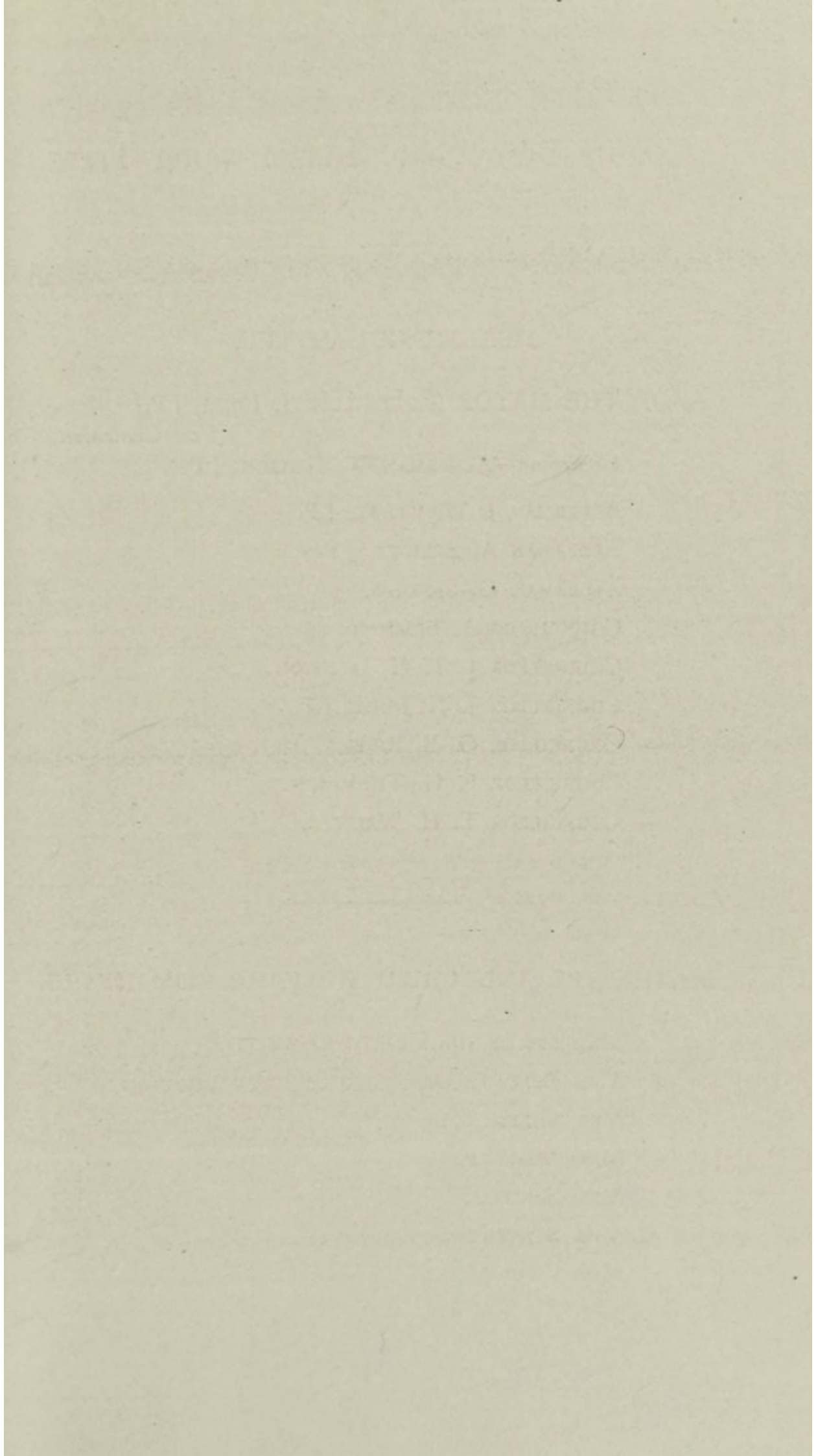
MRS. GILES.

MRS. MACGILP.

MRS. SANDERS.

MRS. STANLEY.

MISS WILD.



HEALTH DEPARTMENT,

TOWN HALL,

BURTON UPON TRENT,

21st October, 1940.

TO THE MAYOR, ALDERMEN, AND COUNCILLORS OF
THE COUNTY BOROUGH OF BURTON UPON TRENT.

YOUR WORSHIP, AND GENTLEMEN,

I have pleasure in presenting to you herewith the Annual Report on the Health of the Borough for the year 1939.

This report is given in more or less summary form owing to War conditions and the delay in issuing it is due to the late arrival of the usual statistics from the Registrar General. The vital statistics are quite satisfactory on the whole, although no new records were achieved.

I have to acknowledge the great assistance given by my staff during the year, especially during the latter part when, owing to War conditions, their numbers were depleted and extra duties had to be undertaken.

My thanks are also due to the Chairmen and Members of the various Committees, under which I serve, for their continued confidence and support.

J. M. COWIE,

Medical Officer of Health.



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REPORT

GENERAL STATISTICS.

Area (Acres)	4,222
Population—Census 1931	49,529
No. of Houses, 1931 (Census)	12,168
No. of Inhabited Houses (end of 1939)	
(estimated)	13,363
Rateable Value (1st Oct., 1939)	£311,116
Sum represented by penny rate	
(1st Oct., 1939)	£1,228

Population. The Registrar-General estimates the population of the Borough to have been 47,090 at mid-year, 1939, for the purpose of calculating the birth rate and 47,050 for calculating the death rate.

EXTRACTS FROM VITAL STATISTICS FOR THE YEAR 1939.

	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>		
			1939.	1938.	
Live Births (total) ..	347	376	723	..	658
" " Legitimate	340	366	706	..	635
" " Illegitimate	7	10	17	..	23
Birth Rate (Live)	..	..	15.4	..	14.1
Still-births	15	13	28	..	35
" Rate per 1,000 of total births					
(live and still)	..	..	37	..	51
Deaths	326	282	608	..	527
Death-rate	..	..	12.9	..	11.3
Illegitimate Births (percentage of total live births)			2.4	..	3.5
Deaths from Puerperal Sepsis	..	..	0		0
Rate per 1,000 (live and still) births	..	..	—	..	—

	1939.	1938.
Deaths from other Puerperal causes	1 ..	1
Rate per 1,000 (live and still) births	1.3 ..	1.4
Total Deaths from Puerperal Sepsis and other		
Puerperal causes	1 ..	1
Total rate per 1,000 (live and still) births ..	1.3 ..	1.4
Deaths of Infants under 1 year of age per		
1,000 live births	51 ..	49
Deaths of Legitimate Infants per 1,000		
legitimate births	48 ..	47
Deaths of Illegitimate Infants per 1,000		
illegitimate births	176 ..	87
Deaths from Measles (all ages)	1 ..	0
Deaths from Whooping Cough (all ages) ..	1 ..	0
Deaths from Diarrhoea (under 2 years) ..	3 ..	0
Deaths from Pulmonary Tuberculosis ..	27 ..	22
Death-rate from ditto	0.57 ..	0.47
Deaths from other forms of Tuberculosis ..	4 ..	3
Death-rate from ditto	0.09 ..	0.06
Number of Deaths from Cancer	72 ..	76
Death-rate from Cancer.. .. .	1.53 ..	1.62
Zymotic Death-Rate	0.13 ..	0.09
Number of Marriages	516 ..	464
Marriage Rate	21.9 ..	19.8

PUBLIC HEALTH OFFICERS OF THE LOCAL AUTHORITY.

The Officers serving in the Health Department remained the same as were given in the Annual Report for 1938, with the exception that an additional municipal midwife, Miss R. Gilks, was appointed and commenced duty on the 16th May, 1939.

Miss Gilks is a State Registered Nurse and State Certified Midwife.

I have also to report with regret that the Public Analyst, Mr. H. T. Lea, and a District Medical Officer and Public Vaccinator, Mr. J. B. Stanley, died during the year, but the vacancies had not been filled by the end of the year.

SANITARY CIRCUMSTANCES OF THE AREA.

Water Supply. The South Staffordshire Waterworks Company is responsible for the public water supply of the Borough. The supply is on the constant system, and is sufficient in quantity and of good quality. The water is a hard one, and has no plumbo-solvent action.

A softening process was applied to that part of the supply obtained from the Chilcote Well in June, 1939.

Scavenging. The scavenging is entirely carried out by the Refuse Removal Department of the Corporation.

The following report on the collection of house refuse has been presented to the Health Committee by Mr. P. J. Borley, Superintendent of the Refuse Removal Department, for the year ending 31st March, 1940.

Bond End,
Burton upon Trent,
April, 1940.

**TO THE CHAIRMAN AND MEMBERS OF THE
HEALTH COMMITTEE**

Annual Report 1939-1940 (1st April, 1939, to 31st March, 1940).

I beg to present herewith my annual report for the Refuse Removal and Disposal Department for the year 1939-40.

REFUSE REMOVAL DEPARTMENT

The number of employees in this Department remains at 21, and as building operations are suspended for the war period, this number should be adequate for normal collections.

Heavy snowfall and severe frosts in January and February brought exceptional difficulties in the maintenance of the weekly service. At one time only nine of the regular employees remained at work, and on 27th January it became impossible to use more than the two large freighters. On 1st February it was considered unsafe for the men to attempt the carrying of refuse. The service was recommenced on 6th February with twenty-five men, but conditions remained so severe that some weeks were needed before the usual weekly collection was restored.

Five freighters are used for the normal collection from 13,363 houses and other premises, making a total of 13,821 calls each week. The remaining freighter is used for the collection of trade refuse and since the outbreak of war, for the removal of large accumulations of paper. The latter duties are charged against the Salvage Plant, as are all expenses in connection with the Salvage Schemes.

The collection of Trade Refuse produced an income of £72.

There has been no change in the usual collection from sanitary pails, but a collection from military camps in the area is extensive and seems likely to increase.

The total of domestic refuse collected is 11,682 tons, and it is estimated that 125 tons of night-soil was collected during normal collections and 56 tons from military camps.

REFUSE DISPOSAL AND SALVAGE PLANT

No change was made in the number of employees until the various salvage schemes were started after the outbreak of war. After September, 1939, it was necessary to add to the staff in order to deal satisfactorily with the very rapid developments. The analysis of refuse dealt with during the period 1939-40 is as follows :—

		<i>Tons</i>	<i>Cwts.</i>	<i>Qrs.</i>	
Domestic Refuse	..	11,682	7	0	(Weighed)
Trade Refuse	..	614	19	0	do.
Butchers' Offal	..	73	12	0	do.
Total handled by the Plant		12,370	18	0	
To Tips	.. ..	2,080	0	0	(Estimated)
Night-soil	.. ..	181	0	0	do.
Total	..	14,631	18	0	

6,482 tons, representing 52.4% of the total passed through the Plant was screened and disposed of mainly by tipping, 547 tons being sold.

5,647 tons of refuse was incinerated (45.7% of the total), leaving a residue of 1,361 tons of clinker of which 544 tons was sold.

Salvage sold throughout the year consisted of :—

	<i>£</i>
314 tons of cinders, approximate value	120
233 „ dust „ „	10
544 „ clinker „ „	51
314 „ baled tins „ „	411
16 „ black scrap „ „	14
11 „ galv. scrap „ „	3
159 „ clean paper „ „	292
15 „ soiled paper „ „	31

20 tons of textiles	approximate value	£
8 „ bones	„ „	47
28 „ cullet	„ „	18
1½ „ non-ferrous metals	„ „	26
13,512 jam jars	}	27
3,780 milk bottles		
3,180 beer bottles		
7,567 other bottles		
	„ „	41

Income produced from the sale of these materials amounted to £1,152, also £182 was obtained from the disposal of trade refuse.

With the war has come the inseparable increase in expenditure, which will, to a great extent, be balanced by the augmented income from the sale of salvage. The duties placed upon the Department by the Ministry of Supply will prove costly, but the installation of the Mechanical Separation Plant at Bond End has become a National asset and is a compliment to the foresight of this Committee.

It was with regret that the projected Annual Supper for the employees was abandoned for the time being with the hope that it may be resumed in the near future.

May I now indicate my appreciation of the support and interest in the work of Refuse Removal and Disposal shown by the Chairman and Members of the Health Committee.

I am,

Your obedient servant,

PERCY BORLEY,
Superintendent.

SANITARY INSPECTION OF THE AREA.

I have received the following Report and Tables from Mr: F. V. A. Smith, Chief Sanitary Inspector under the Sanitary Officers (Outside London) Regulations, 1935.

RECORD OF INSPECTIONS AND NOTICES SERVED.

To Dairies, Cowsheds and Milkshops	..	..	..	..	480
To Slaughterhouses	..	..	..	..	5,159
To Bakehouses	..	..	..	..	29
To Common Lodging Houses	..	..	..	..	167
To Properties under notice	..	..	..	..	2,065
To Premises <i>re</i> Nuisances	..	..	..	..	1,023
To Markets and Shops <i>re</i> Food Inspection	..	..	..	..	959
To Premises <i>re</i> Infectious Disease	..	..	..	..	369
To Premises where Swine are kept	..	..	..	..	128
Visits <i>re</i> Petrol and Carbide	..	..	..	..	282
Visits <i>re</i> Diseases of Animals Acts	..	..	..	..	194
Visits <i>re</i> Vermin Repression	..	..	..	..	751
Visits <i>re</i> Shops Acts and Closing of Shops	..	..	..	..	1,350
Visits <i>re</i> Food and Drugs (Adulteration) Act (up to 30th Sept.)					298
Visits <i>re</i> Food and Drugs Act, 1938 (from 1st October)	..				390
Visits <i>re</i> Ice Cream	..	..	..	..	133
Visits <i>re</i> Van Dwellings	..	..	..	..	613
Visits to Outworkers	..	..	..	..	2
Visits <i>re</i> Housing	..	..	..	..	733
Visits <i>re</i> Merchandise Marks Acts	..	..	..	..	960
Visits <i>re</i> Canal Boats	..	..	..	..	19
Miscellaneous visits	..	..	..	..	153
Smoke observations	..	..	..	..	39
Interviews with owners, agents, and builders	..	..	..	..	385
Factories with Power	..	..	..	..	357
Factories without Power	..	..	..	..	245
Building sites	..	..	..	..	51
Offices	..	..	..	..	207
Theatres	..	..	..	..	7
Fish Inspection	..	..	..	..	377
Young Persons Employment Act	..	..	..	..	49
Overcrowding	..	..	..	..	37
					<u>18,011</u>

NOTICES SERVED.

Informal	..	..	..	727
Statutory	..	..	..	42

SUMMARY OF NUISANCES DEALT WITH.

	<i>Found.</i>	<i>Abated.</i>
Foul or defective drains, defective or dilapidated W.C.'s and urinals.	254	244
Defective roofs, eave and downspoutings ..	263	310
Houses damp, defective or dirty	618	623
Houses without proper ashes accommodation ..	86	96
Defective sinks, sink pipes, and yard paving ..	134	128
Animals kept so as to be a nuisance	4	7
Accumulations of manure, etc.	21	27
Smoke nuisances	4	4
Want of proper water supply	2	—
Overcrowding	15	15
Miscellaneous nuisances	82	48
	1,483	1,502

CONTRAVENTIONS OF BYELAWS, ETC.

	<i>Found.</i>	<i>Abated.</i>
Dairies, Cowsheds and Milkshops	12	19
Common Lodging Houses	1	12
Slaughterhouses	22	22
Bakehouses	10	4
Offices	32	42
Shops	36	46
Factories	409	203
Young Persons Employment Act	10	7
Theatres	2	2
Meat Regulations	5	6
	539	363

SHOPS ACTS, 1912-1936

Summary of inspections and action taken under the above Acts :—

Total number of shop inspections	.. ..	1,350
„ „ verbal notices	.. ..	28
„ „ written notices	.. ..	5
Defective or insanitary W.C. accommodation	..	3
Provision of extra W.C. and washing accommodation		2
Means for providing adequate temperature	..	6
Other contraventions	.. ..	48
Prosecutions	.. ..	3

Inspection of Offices :—

Total number of offices inspected	.. ..	207
Notices to cleanse walls and ceilings	.. ..	14
Provision of additional sanitary accommodation		2

VERMIN REPRESSION

Eradication of Bed Bugs. The number of houses disinfected during the year was :—

Council houses	..	4.	Other houses	..	24
----------------	----	----	--------------	----	----

Tenants' furniture disinfested before removal to Council houses, 26.

The disinfestation of houses was carried out by the staff of the Local Authority with "Zaldecide," a liquid insecticide, but the disinfestation of tenants' furniture with (H.C.N.) gas prior to removal into Council houses was carried out by Messrs. Ball and Waite, Rotherham.

Rats and Mice Destruction Act, 1919.

Visits to infested premises	.. ..	304
Additional premises placed on register	.. ..	84
Number of poison baits laid	.. ..	1,200
Rats known to have been destroyed	.. ..	1,246
Notices served on owners or occupiers	.. ..	13

Common Lodging Houses.

Number on register	..	..	..	..	3
Accommodation for (adults)	..	..	..	..	116
Accommodation for (children)	..	..	..	..	7
Number of inspections	..	..	..	..	167

Movable Dwellings.

Number of licensed sites	..	..	..	..	3
Number of vans	..	..	..	..	16
Number of adults	..	..	..	..	27
Number of children	..	..	..	..	24
Number of inspections	..	..	..	..	613

Canal Boats.

Number of boats inspected	..	..	..	..	12
Number of adults on board	..	..	..	..	31
Number of children on board	..	..	..	..	8
Number of contraventions	..	..	..	..	0

INSPECTION AND SUPERVISION OF FOOD

Food and Drugs Act. The following 104 samples were purchased and analysed by the Public Analyst :—

Milk 41, Butter 12, Cream 5, Cheddar Cheese 1, Flour 2, Baking Powder 2, Mincemeat 2, Eggs 1, Sausage 8, Cocoa 1, Coffee 2, Tinned Peas 4, Vinegar 6, Marmalade 2, Strawberry Jam 1, Blackcurrant Jelly 1, Dried Fruit Salad 1, Honey 1, Dried Apricots 1, Dried Prunes 1, Pearl Barley 1, Cream of Tartar 1, Olive Oil 2, Spirit of Sweet Nitre 2, Borax 1, Mercury Ointment 1, Iodine 1.

94 samples were found to be genuine.

10 samples were found to be below standard as follows :—

- 4 Informal samples of milk taken in course of delivery from a farm to a local dairy were found to be 25% deficient in fat, 10% deficient in fat and 1% added water, 24% deficient in fat and 3% added water, 25% deficient in fat and 1% added water. Samples were taken at farm by the County Authority in whose area the farm was situated. These were unsatisfactory and the farmer fined £2 2s. and £2 2s. costs.

- 1 Informal sample of milk taken in course of delivery from a farm to a local dairy was found to be 17% deficient in fat and 2% added water. Samples were taken at farm by the County Authority, one sample was unsatisfactory and the farmer warned.
- 1 Formal sample of milk was found to be 6% deficient in fat and the vendor warned.
- 1 Formal sample of milk was found to be 6% deficient in fat. The County Authority in whose area the farm was situated was advised, but subsequent samples were found to be genuine.
- 1 Informal sample of Spirit of Sweet Nitre was found to contain less Ethyl Nitrite than is suggested by the British Pharmacopoeia. The attention of the Pharmacist was called to this deficiency who renewed his stock of this drug.
- 1 Informal sample of Baking Powder was found to contain only 4% of Carbonic Acid Gas. Subsequent formal sample was found to be genuine.
- 1 Informal sample of Sausage was found to contain preservative. As the presence of preservative was not declared at the time of sale as required by the Regulations, the vendor was warned.

Registration of Food Premises.

Total number of inspections under Sec. 13 and 14 .. 390

Number of Premises Registered.

Preparation and sale of sausages, etc.	...	..	..	41
Cooking of fish	..	..	..	28
Storage and sale of ice cream	..	...	..	13

Summary of Defects Remedied.

Dirty or unwholesome premises	..	..	..	17
General defects (lighting, ventilation, drainage, etc.)	..			9

Diseases of Animals Acts.

CATTLE MARKET.

On no occasion during the year was restriction placed on the Market due to outbreak of contagious diseases.

TUBERCULOSIS ORDER.

Thirteen cases of tuberculosis were discovered in local dairy herds.

SWINE FEVER.

Six cases of suspected swine fever were reported, none of which were confirmed.

FOOT AND MOUTH DISEASE.

No cases or suspected cases have occurred during the year.

ANTHRAX.

Two cases of suspected anthrax have been notified. In both cases bacteriological examination proved that the animals did not die from this disease.

Fertilisers and Feeding Stuffs Act, 1926. Four samples of feeding stuff were examined by the Public Analyst during the year. One sample was unsatisfactory in that the declaration given with the sample did not comply with the requirements of the Act. A letter of warning was sent to the vendor, who immediately took steps to rectify the defect. The three other samples were satisfactory.

Storage of Petroleum Spirit, etc. There are 97 licensed petroleum stores, having a total capacity of 157,250 gallons of petroleum spirit, also 6 stores where 10 tons 9 cwts. of carbide of calcium is stored. 52 defects were found and remedied at these stores during the year. One firm was fined for storing petroleum spirit without a licence.

F. V. A. SMITH,

*Chief Sanitary Inspector and Inspector
under the above-mentioned Acts.*

HOUSING.

Statistics.

Number of New Houses erected during the year:—

Total	.. .. .	314
By the Local Authority	.. .. .	179
By other Local Authorities	.. .. .	—
By other bodies or persons	.. .. .	135

Unfit Houses. During the year the following 6 houses were represented as being unfit for human habitation and a demolition order was obtained in each case:—

13, 14, 15 and 16 Little Burton West.
53 and 54 Nelson Street.

Demolition Orders were also obtained on 144 and 145 Horninglow Road North on which representations had been made in 1938.

Houses Demolished during the year.

286, 287, 288 and 289 Horninglow Road North.
169, 170, 171, 172, 173, 174, 171b and 171c Horninglow Street.
53 and 54 Nelson Street.

An undertaking was given by the owner of the rooms over a stable at rear of 126a Horninglow Street that they would not be used again for human habitation.

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)	.. .. .	1137
(b) Number of inspections made for the purpose	.. .. .	4190
(2) (a) Number of dwelling houses (included under subhead (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 and 1932	.. .. .	21
(b) Number of inspections made for the purpose	.. .. .	133

- (3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation 6
- (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.. 736

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 727 ✓

3. ACTION UNDER STATUTORY POWERS DURING THE YEAR.

(a) Proceedings under Sections 9, 10 and 16, of the Housing Act, 1936.

(1) Number of dwelling houses in respect of which notices were served requiring repairs 0

(2) Number of dwelling houses which were rendered fit after service of formal notices :—

(a) By owners 0

(b) By Local Authority in default of owners .. 0

(b) Proceedings under Public Health Acts.

(1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied .. 64

(2) Number of dwelling houses in which defects were remedied after service of formal notices :—

(a) By owners 74 ✓

(b) By Local Authority in default of owners .. 0

(c) Proceedings under Sections 11 and 13 of the Housing Act, 1936.

(1) Number of dwelling houses demolished in pursuance of Demolition Orders	14
--	----

(d) Proceedings under Section 12 of the Housing Act, 1936.

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made ..	0
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit ..	0
(a) (i) Number of dwellings overcrowded at the end of the year	0
(ii) Number of families dwelling therein	0
(iii) Number of persons dwelling therein	0
(b) Number of new cases of overcrowding reported during the year	10
(c) (i) Number of cases of overcrowding relieved during the year	111
(ii) Number of persons concerned in such cases ..	907

Milk Supply.

Number of cowkeepers who are also milk purveyors ..	26
Number of retail milk purveyors	206
Number of wholesale traders, producers, etc.	7

Licences granted for the production and sale of graded milk :—

Producers, bottlers and purveyors of Tuberculin Tested Milk	1
Producers, bottlers and purveyors of Accredited Milk ..	2
Bottlers and purveyors of Accredited Milk	2
Producers of Accredited Milk	12

Pasteurisers and purveyors of Pasteurised Milk	..	4
Pasteurised milk dealers	.. .. .	12
Accredited milk dealers	.. .. .	21
Supplementary Accredited licences	.. .. .	3
Supplementary Tuberculin Tested licences	.. .. .	2
Accredited Milk samples examined	.. .. .	98
Accredited Milk samples outside the prescribed standard		36
Pasteurised Milk samples examined	.. .. .	15
Pasteurised Milk samples outside the prescribed standard		0
Producers warned by the Health Committee	.. .. .	3
Milk samples examined for Tuberculosis	.. .. .	55
Milk samples found to be affected with Tuberculosis	.. .. .	1
Tuberculous cows slaughtered as a result of positive samples	.. .. .	1

Slaughterhouses and Meat Inspection.

Number of licensed slaughterhouses	.. .. .	27
Number of Knacker's Yards	.. .. .	1
Number of licensed slaughtermen	.. .. .	86
Number of notifications of intended slaughter of suspected tuberculous animals received from the Inspector of the Ministry of Agriculture	.. .. .	44
Number of carcasses inspected	.. .. .	44

Carcasses totally condemned :—

Generalised Tuberculosis	21	}	..	..	27
Tuberculous Emancipation	6				
Carcases partially condemned	..	..	..	17	

Meat Marking :—

Number of whole carcasses officially stamped	..	111
Number of part carcasses officially stamped	..	6448

The following table shows the number of carcasses inspected, together with percentages of animals found to be diseased either wholly or in parts.

	Cattle ex- cluding Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed	2,559	1,147	605	9,686	35,223
Number inspected	2,559	1,147	605	9,686	35,223
All diseases except Tuberculosis					
Whole carcasses condemned ..	0	41	15	18	93
Carcasses of which some part or organ was condemned	47	258	1	27	5,664
Percentage of the number in- spected affected with disease other than Tuberculosis ..	1.83	26.06	2.64	0.46	16.34
Tuberculosis only					
Whole carcasses condemned ..	7	73	1	0	23
Carcasses of which some part or organ was condemned	81	164	2	0	1,361
Percentage of the number in- spected affected with Tubercu- losis	3.43	20.66	0.49	0	3.92

Other Foods condemned and destroyed during the year :—

1 cwt. of Potatoes.

900 Polish Eggs.

78 tins of Corned Beef, 186 lbs.

2 tins of Lambs' Livers, 26 lbs.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.

The number of notifications of infectious disease received during the year 1939 is shown in the following table :—

Infectious Diseases, 1939.

Disease	Total Cases Notified	Cases admitted to Hosp.	Total Deaths
Smallpox	0	0	0
Diphtheria	36	36	1
Scarlet Fever	117	113	0
Enteric Fever (including Para-typhoid)	1	1	0
Puerperal Pyrexia	15	4	0
Pneumonia	14	0	27
Encephalitis Lethargica	0	0	1
Erysipelas	15	5	0
Cerebro Spinal Fever	0	0	0
Whooping Cough	57	0	1
Measles	4	2	1

Diphtheria. The swabbing of all school children who were contacts in the home of a Diphtheria case was continued during the year. The number of children thus examined was 24 and none was found to be "carriers" of Diphtheria Bacilli in the throat or nose.

Immunisation against Diphtheria. During the year, 46 individuals were either immunised or were undergoing the process, 29 being of school age and 17 pre-school children. The prophylactics used were T.A.F. and T.A.M.

Puerperal Pyrexia. Of the 15 cases notified, one was from the General Infirmary, seven cases were from one Maternity Home and two from another Institution and five cases occurred in the practice of midwives.

Zymotic Deaths. The number of deaths from Zymotic Diseases was six, one being due to Measles, one to Whooping Cough, one to Diphtheria and three to Diarrhoea.

School Intimations of Disease. Intimations of non-notifiable infectious diseases are received daily from the Director of Education, and, as far as possible, are followed up by the Health Visitors.

The following table gives the number of cases dealt with :—

Whooping Cough	..	..	..	..	192
Chickenpox	..	..	..	..	87
Measles and German Measles	..	..	..	..	415
Mumps	..	..	..	..	44

Notification of Measles and Whooping Cough. The compulsory notification of these diseases came into force on the 23rd October, 1939.

Visits to Infectious Diseases (Non-notifiable). The Health Visitors paid the following visits to non-notifiable infectious diseases during the year :—

Visits to Measles	..	..	207	(Including 91 to children under 5 years of age).
Visits to Whooping Cough			179	(Including 139 to children under 5 years of age).
Visits to Mumps	..	..	12	(Including 5 to children under 5 years of age).
Visits to Chickenpox	..		30	(Including 22 to children under 5 years of age).

Diphtheria Antitoxin was supplied as usual from the Health Office for all cases of Diphtheria in the Borough if applied for. During the year 27 phials each containing 8,000 units were supplied to medical practitioners in the Borough.

Laboratory Work. Bacteriological examinations for infectious diseases are carried out at the Public Health Laboratory, Town Hall, with the exception of the tests for Enteric Fever, Puerperal Pyrexia, Pneumonia, and Undulant Fever, which if required are done at the Public Health Laboratory, Manchester.

The total number of specimens examined during the year was 969, as compared with 1,447 in 1938.

The results of the specimens examined during the year may be summarised as follows :—

<i>Disease.</i>	<i>Results.</i>		<i>Total</i>
	<i>Positive.</i>	<i>Negative.</i>	
Diphtheria	41	519	550
Enteric Fever	1	4	5
Tuberculosis	102	264	366
Haemolytic Streptococci ..	5	26	31
Others	—	—	17

Public Health (Infectious Diseases) Regulations, 1927. There were 14 cases of Pneumonia notified.

BOROUGH ISOLATION HOSPITAL.

Cases Treated. The following Table shows the number of cases admitted and discharged from the hospital during the year, with the number of deaths :—

Patients	In Hospital January 1st, 1939	Ad- mitted	Dis- charged	Died	In Hospital Dec. 31st, 1939
Paratyphoid	0	1	1	0	0
Poliomyelitis	0	*1	1	0	0
Scarlet Fever	23	†136	151	0	8
Diphtheria	4	§49	48	3	2
Erysipelas	0	3	3	0	0
Chickenpox	0	1	1	0	0
Gastro Enteritis	0	2	2	0	0
Measles	0	2	2	0	0
Others	0	3	3	0	0
Totals	27	198	212	3	10

* From Tutbury Rural District

† Includes 14 from Tutbury Rural District, 5 from Uttoxeter, 2 Hospital Staff and 2 Soldiers.

§ Includes 2 from Tutbury Rural District and 11 from Uttoxeter.

The average period of isolation in the hospital of the 151 Scarlet Fever patients discharged was 28 days, and of the Diphtheria patients 26 days.

Ophthalmia Neonatorum. The following table gives the particulars of the cases of Ophthalmia Neonatorum dealt with during the year. Six of the cases were treated at home, the actual treatment being done by the Health Visitors, who carried out the instructions of the Doctor in attendance.

Ophthalmia Neonatorum	Cases			Vision unim- paired	Vision impaired	Total Blind- ness	Deaths
	Notified	Treated					
		At Home	In Hospital				
	7	6	1	6	0	0	1

In addition to above, two other cases of inflammation of the eyes were brought to the notice of the Health Department by Midwives, but, when visited, practically no signs of disease were found.

The 7 cases of Ophthalmia Neonatorum may be classified as follows :—

Mild, 6. Moderate, 1. Severe, 0.

TUBERCULOSIS.

New Cases and Mortality during 1939.

Particulars of new cases of Tuberculosis and of deaths from the disease during 1939 are given in the table below :—

Age Periods	New Cases				Deaths			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	M	F	M	F	M	F	M	F
0	0	0	0	0	0	0	0	0
1	0	0	0	1	0	0	0	0
2	0	0	0	0	0	0	1	1
5	0	0	3	1	0	1	1	0
10	0	2	2	0				
15	3	0	1	0	4	2	0	0
20	3	1	0	0				
25	10	3	2	0	3	0	1	0
35	3	0	1	0	4	1	0	0
45	6	3	0	0	4	5	0	0
55	2	1	0	0	1	0	0	0
65 & upwards	0	1	0	0	1	1	0	0
Totals ..	27	11	9	2	17	10	3	1

Public Health (Tuberculosis) Regulations, 1924. Number of cases of Tuberculosis remaining on the registers kept by the Medical Officer of Health on the 31st December, 1939 :—

Total Cases	Pulmonary			Non-Pulmonary		
	Males	Females	Total	Males	Females	Total
128	57	29	86	24	18	42

Proportion of Non-Notified Cases. Four cases where death was certified as due to Tuberculosis had not been previously notified to the Medical Officer of Health. The ratio of non-notified Tuberculosis deaths to total Tuberculosis deaths was one in 8.

Sanatorium. The number of cases admitted to the Outwoods Sanatorium during the year was 31.

In addition to the above, one case of Tuberculosis of the Hip and one of Tuberculosis of the Spine were admitted to Bretby Hall Orthopaedic Hospital.

At the end of 1939, one case of Tuberculosis sent from this Borough remained under treatment at Bretby Hall at the end of the year. The case admitted to Coleshill in 1933 was discharged during the year.

X-Ray Examinations. During the year the number of X-Ray examinations made was as follows :—

Chest Films	..	..	..	..	..	169
Chest Screening	..	..	..	..	..	435
Bone Films	..	..	..	..	..	9
Other Films	..	..	..	..	..	33

Artificial Pneumothorax.

Number of inductions	..	..	..	..	6
					(2 unsuccessful)
Number of refills	..	..	..	..	431
Cases—Treatment completed	..	..	..	..	3

Tuberculosis Dispensary. The number of cases examined for the first time at or in connection with the Tuberculosis Dispensary in 1939 (excluding contacts) was 80.

The number of contacts examined was 89, of which 77 were children examined in school.

The total number of attendances at the Dispensary for the year was 733, which gives an average per session of 7.3.

Home Supervision. The Health Visitors, who also act as Dispensary Nurses, undertake the home supervision of Tuberculous patients. The total number of cases visited at home was 82, and the total number of visits 271.

In addition, 82 visits were made by the Tuberculosis Officers to the homes of tuberculous patients.

Three patients have been lent shelters to continue their treatment at home, and one patient was also lent bed and bedding so that he could have a separate room.

Public Health (Prevention of Tuberculosis) Regulations, 1925. It was not necessary to take any action under the above Regulations during the year 1939.

Public Health Act, 1936, Section 172. It was not found necessary to take action under this Section.

Treatment by Ultra Violet Rays. Treatment by Ultra Violet Rays is given at the Sanatorium by means of Tungsten (and Carbon) Arc Lamp in suitable cases of Tuberculosis.

The following cases were treated with improvement as a rule:—

Lupus	..	..	..	..	..	2 cases.
Enlarged Glands	..	..	..	..	..	11 cases.
Tuberculosis of Abdomen				..	..	2 cases.
Others	..	..	..	..	..	5 cases.
						—
Total	..	..	..	..	..	20 cases.
						==

The total number of treatments given during the year was 437.

An account of further "Light" treatment given to infants will be found under Maternity and Child Welfare.

ORTHOPAEDIC TREATMENT.

The following table gives a summary of the work done for the various Committees during the year ended 31st December, 1939 :—

	<i>Number of new cases.</i>	<i>Total number of attendances.</i>
Health	2	39
Maternity and Child Welfare	17	140
Education	21	2062

Hospital Treatment. One case of Tuberculosis of the spine and one case of Tuberculosis of the hip, previously referred to, were admitted to the Bretby Hall Orthopaedic Hospital. Two children of school age were sent to Coleshill and one adult sent to Bretby Hall for operative treatment under the scheme for other defects.

VENEREAL DISEASES.

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

Disease	No. of Persons attending the Clinic.		No. of Attendances	No. of In-patient- Days.
	Males	Females		
Syphilis	48	34	653	0
Soft Chancre	0	0	0	0
Gonorrhoea	56	16	332	21
Other Diseases	16	6	157	0
Totals	120	56	1142	21

In 1938 the patients attending the Clinic numbered 131 males and 70 females, the total number of attendances being 1142 for treatment by the Medical Officer, and 724 for intermediate treatment.

The figures given in the previous table include patients from the Borough, from Derbyshire and from Staffordshire, and also include 62 patients suffering from Syphilis, 36 from Gonorrhoea and 5 from conditions other than Venereal who attended the Clinic in 1938 or earlier and continued their treatment during 1939.

There were, therefore, 73 new cases admitted to the Clinic during 1939, including 6 patients previously treated at other Centres, viz., 45 from Burton, 17 from Derbyshire and 5 from Staffordshire, compared with 96 cases in 1938, of which 53 were Borough cases.

Of the 1,142 attendances at the Clinic, 581 were made by Burton patients, 496 by Derbyshire patients and 65 by Staffordshire patients.

Pathological Specimens. Pathological specimens are examined from cases of Venereal Disease at the Laboratory of the Derby County Council at Derby.

The following Table shows the number of specimens examined both from the Clinic and from private medical practitioners, but the specimens sent from patients attending the Clinic from the Derbyshire area are not included in this Table :—

	Wassermann	Gonorrhoea	Spirochaeta Pallida
Hospitals and other Institutions	110	27	0
Treatment Centre ..	62	17	0
Private Medical Practitioners ..	65	5	0
Total	237	49	0

Propaganda Work. Notices were posted in all the public urinals during the year. Advertisements were also inserted in the local press.

CANCER.

The facilities for the diagnosis and treatment of Cancer remain the same as were given in detail in the Annual Report for 1936. The following special forms of treatment were given to cancer cases in connection with the General Infirmary during the year 1939.

Number of cases sent to Birmingham for radium treatment	11
Number of patients who received superficial X-Ray treatment	73
Number of patients sent to Derby for deep X-Ray treatment	8

The death rate from Cancer was equal to 1.53 of the population. In the following table the Cancer deaths are classified according to age and sex:—

	0—	1—	2—	5—	15—	25—	35—	45—	55—	65—	75—
Males ..	0	0	1	0	0	0	0	5	11	16	7
Females ..	0	0	0	0	0	0	3	6	8	12	3

BLIND PERSONS ACT.

Under the Blind Persons Act, 85 persons are registered.

The following table gives the age and sex distribution of these cases:—

	0—16	Ages. 16—60	Over 60 years.
Males	1	20	22
Females	2	9	31

Grants are made by the Blind Persons Act Committee to blind persons according to the needs of the case.

Home Teacher of the Blind. The Home Teacher of the Blind paid 1,961 visits to the homes of the blind persons during the year. She also gave lessons in Braille to one blind person.

Socials were arranged by the Home Visitor, and in the summer she also arranged country outings, which were very much appreciated by the blind.

Approved Blind Home Workers. Under the Blind Home workers scheme, seven blind persons are employed, as follows :—

Piano Tuners .. 3	Brush Maker .. 1	Boot Repairer .. 1
Tea Agent .. 1	Basket Maker .. 1	

Social Centre for the Blind. A Social Centre for the Blind was opened on the 15th October, 1936, at the Friends Meeting House, Abbey Street. It is open weekly on Thursday afternoons. Here pastime occupations are taught, games are played and entertainments given. The average attendance of blind persons up to the end of the year was 27 per session. The Centre was closed for a short time on the outbreak of war.

MATERNITY AND CHILD WELFARE.

Midwives Act, 1936.

During the year, an additional Midwife was appointed, making the total number of Municipal Midwives six.

Compensation to Midwives. Two Midwives surrendered their certificates during the year and were paid Compensation under the terms of the Midwives Act, 1936.

Cases attended by Municipal Midwives. During the year the six Municipal Midwives attended 415 patients as Midwives and 76 patients as Maternity Nurses.

Midwives. The number of Midwives, who in January, 1937, gave notice of their intention to practise within the area of the Borough in accordance with Section 10 of the Midwives Act, 1902, was 19 and subsequently six others gave notice of their intention to practice.

Lectures to Midwives. During the year, the following Lectures were given to Midwives :—

Major Johnson (A.R.P. Controller)	A.R.P.
Dr. G. Gillies	Uterine Inertia
Superintendent Health Visitor ..	Midwifery Conference

Notifications. The following notifications have been received from Midwives :—

Medical assistance required	..	..	..	237
Still Births	..	..	..	13
Artificial Feeding	..	..	..	19
Miscellaneous	..	..	..	37

Medical Practitioners' Fees. Claims from Medical Practitioners for fees under Section 14 of the Midwives Act, 1918, for assistance to Midwives in emergencies amounted to £132 10s. for the year, and a sum of £100 13s. was repaid to the Corporation by patients during the same period.

Birth Control. No cases were referred to our Consultant Gynaecologist under the scheme of Birth Control given in the Report for 1934.

Infant Welfare Centre. The new Infant Welfare Centre in Cross Street continued throughout the year to be attended by mothers and babies in very large numbers.

Voluntary Helpers. A number of ladies have acted as voluntary helpers at the Infant Welfare Centre, some of them over a long period of years, and have given very valuable assistance in carrying out the work. It is only through their regular and ungrudging help that such large numbers can be dealt with.

Number of Cases. The number of new cases registered at the Centre during the year was 520, and the total attendances 14,107, giving an average per session of 93.4, as compared with an average of 93.1 for 1938.

4,307 lbs. of dried milk were supplied at slightly over cost price for infants attending the Centre.

Eye Defects. The arrangements whereby infants suffering from eye defects could be referred to Dr. Jagger for examination were continued during the year.

The number of children examined by him during the year was 10.

Maternity and Child Welfare Sub-Committee. A Maternity and Child Welfare Sub-Committee, consisting of the following ladies : Mrs. Bell, Mrs. Evans, Mrs. Giles, Mrs. MacGilp, Mrs. Sanders, Mrs. Stanley, and Miss Wild, held eleven meetings during the year. The Sub-Committee has administrative control over the assisted milk supply for expectant and nursing mothers and for infants, and also gives valuable help in the management of the Infant Welfare Centre.

Assisted Milk Supply. During the year the number of families supplied with free milk was 69, at a cost of £76.

Maternity Bags. The number of maternity bags lent during the year was three, two being lent free.

Sterilised Maternity Outfits. Sterilised Maternity outfits were stocked at the Infant Welfare Centre but only three were sold during the year.

"Light Clinic." During the year, 139 new cases received treatment at the Infant Welfare Centre. A total of 2,179 attendances was made during the year. In nearly all the cases improvement in the condition was noted.

Ante-Natal Clinic. The Ante-Natal Clinic was held on Friday afternoons at 2 o'clock and on Wednesday mornings at 10 o'clock. The Assistant Medical Officer of Health was in charge.

Total number of new patients seen	..	..	322
Total number of attendances	..	..	1,213

In this connection, the Health Visitors also paid 596 visits to Ante-Natal cases at home.

X-Ray Diagnosis. In connection with the Ante-Natal Clinic X-Ray films were taken in 33 cases as an aid to diagnosis.

Post-Natal Clinic. A post-natal clinic was held in the morning of the first Wednesday in each month.

Post-natal consultations and examinations were made in 182 cases who made 298 attendances during the year.

Toddlers' Clinic. A clinic specially reserved for the examination of Toddlers was held during the afternoon session of the first Wednesday in every month.

Consultant Work. Dr. N. L. Edwards, of Derby, Consultant for ante-natal and obstetric complications, examined 6 cases at the ante-natal clinic, and 5 other obstetric cases during the year.

Hospital Beds. The following cases were treated at the General Infirmary during the year in accordance with the arrangements previously described for the treatment of complicated cases of pregnancy or labour, and also cases with complications arising after parturition whether in the mother or in the child.

Condition or Disease	Result	
	Cured	Died
Ante Partum Haemorrhage	1	0
Difficult Labour	4	0
Incomplete Abortion	10	0
Placenta Praevia.. .. .	2	0
Other conditions	10	0
Total	27	0

Maternity Beds. Arrangements were in force during the year with the Burton upon Trent Nursing Institution, Union Street, for the provision of beds for maternity cases, where the circumstances were such that it was difficult for a confinement to be carried out at home. 112 patients were admitted during the year.

Notification of Births and Health Visiting. The number of births notified under the Notification of Births Act was 800 (including 27 still births).

The number of births notified by midwives was 757 and by parents and doctors 43.

Still Births. The number of still births registered in the Borough was 28—15 males and 13 females.

Health Visiting. The Health Visitors have paid the following visits :—

Primary visits to infants	682
Secondary visits to children under 12 months	4,314
Visits to children over one year	6,420
Visits to still-births.. .. .	17
Total	11,433

428 visits to cases of non-notifiable infectious diseases were also made by the Health Visitors.

Dental Treatment. The scheme for dental treatment of expectant and nursing mothers and for all children under 5 years of age remained the same as previously described.

The following is a summary of the work done :—

Number of children treated	40
Number of mothers treated	21
Number of teeth extracted	152
Number of fillings	28
Number of other operations	28
Dentures supplied	0

Child Life Protection. At the end of 1939, there were 16 children "taken for reward" registered under the provision of Sections 206-220 of the Public Health Act, 1936.

TABLE I.

COUNTY BOROUGH OF BURTON UPON TRENT

CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1939

Notifiable Disease	Number of cases notified							Total cases notified in each Locality of the District							Removed to Hospital		
	At all Ages	All Ages—Years						Shobnall	Victoria	Horn'g'w	Uxbridge	Broadway	Burton	Winshill & Wetmore		Stapenhill	
		Under 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65										Over 65
Smallpox	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diphtheria	36	0	16	8	6	0	0	0	0	1	9	3	3	3	2	0	36
Erysipelas	15	1	0	0	5	8	0	0	0	0	3	11	11	6	0	10	5
Scarlet Fever	117	1	24	71	9	1	0	0	0	24	12	1	0	0	0	25	113
Enteric Fever	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Cerebro-Spinal Fever	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poliomyelitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Influ. Pneumonia	4	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Primary Pneumonia	10	0	0	0	1	1	0	2	3	1	2	0	0	0	3	0	0
Malaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Polioencephalitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophthalmia Neonatorum	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pulmonary Tuberculosis	43	0	0	8	19	12	0	0	0	0	2	4	4	1	5	6	1
Other forms of Tuberculosis	13	0	1	1	3	0	0	2	0	6	4	1	0	0	3	0	23
Encephalitis Lethargica	0	0	0	0	0	0	0	0	0	4	2	0	0	1	1	0	1
Puerperal Pyrexia	15	0	0	4	11	0	0	0	0	0	0	1	0	0	0	0	4
Totals	261	9	32	97	34	55	25	9	28	31	46	34	23	28	26	45	184

Burton upon Trent Isolation Hospital and Sanatorium is outside the Borough, with the exception of the new cubicle block.

TABLE II.

County Borough of Burton upon
CAUSES OF, AND AGES AT, DEATH DURING

Causes of Death 1	Nett deaths at the subjoined ages of " " occurring within or without t						
	All Ages. 2	Under 1 year 3	1 and under 2 yrs. 4	2 and under 5 yrs. 5	5 and under 15 yrs. 6	15 and under 25 yrs. 7	25 and under 35 yrs. 8
All Causes.....	608	37	3	9	9	15	10
Typhoid and Paratyphoid Fever.....	..	..	..	..	..	..	..
Measles	1	..	..	..	1	..	..
Scarlet Fever	..	..	..	..	..	..	..
Whooping Cough	1	1	..	..	..	..	..
Diphtheria	1	..	..	1	..	..	..
Influenza	13	..	..	..	..	1	..
Encephalitis Lethargica	1	..	..	..	..	..	..
Cerebro-spinal Fever	..	..	..	..	..	..	..
Tuberculosis of Respiratory System	27	..	..	..	1	6	3
Other Tuberculous Diseases	4	..	..	2	1	..	1
Syphilis	..	..	..	..	..	..	..
General Paralysis of the Insane, tabes dorsalis ...	..	..	..	..	..	..	..
Cancer, malignant disease....	72	..	..	1	..	..	..
Diabetes	9	..	..	..	..	..	..
Cerebral Haemorrhage, etc. .	39	..	..	..	..	..	1
Heart Disease	164	..	..	..	..	2	..
Aneurysm	3	..	..	..	..	..	..
Other Circulatory Diseases... ..	48	..	..	..	..	..	..
Bronchitis	13	2	..	..	..	..	..
Pneumonia (all forms)	27	4	2	..	1	1	1
Other Respiratory Diseases ..	3	..	..	..	..	..	..
Peptic Ulcer	7	..	..	..	..	..	..
Diarrhoea, under 2 years	3	2	1	..	..	..	..
Diarrhoea, 2 years and over..	..	..	..	..	..	..	..
Appendicitis	1	..	..	..	..	..	..
Cirrhosis of Liver	4	..	..	..	..	..	..
Other Diseases of Liver, etc. .	1	..	..	..	..	..	..
Other Digestive Diseases ..	7	..	..	1	..	..	..
Acute and Chronic Nephritis ..	13	..	..	..	1	1	2
Puerperal Sepsis	..	..	..	..	..	..	..
Other Puerperal Causes	1	..	..	..	..	1	..
Congenital Debility, Prema- ture Birth, Malforma- tions, etc.	27	27	..	..	..	..	..
Senility	51	..	..	..	..	..	..
Suicide	5	..	..	..	..	1	1
Other Violence	25	..	..	2	2	2	..
Other Defined Diseases	36	1	..	2	2	..	1
Causes ill-defined or Unknown	1	..	..	..	..	..	..

INSPECTIONS OF FACTORIES

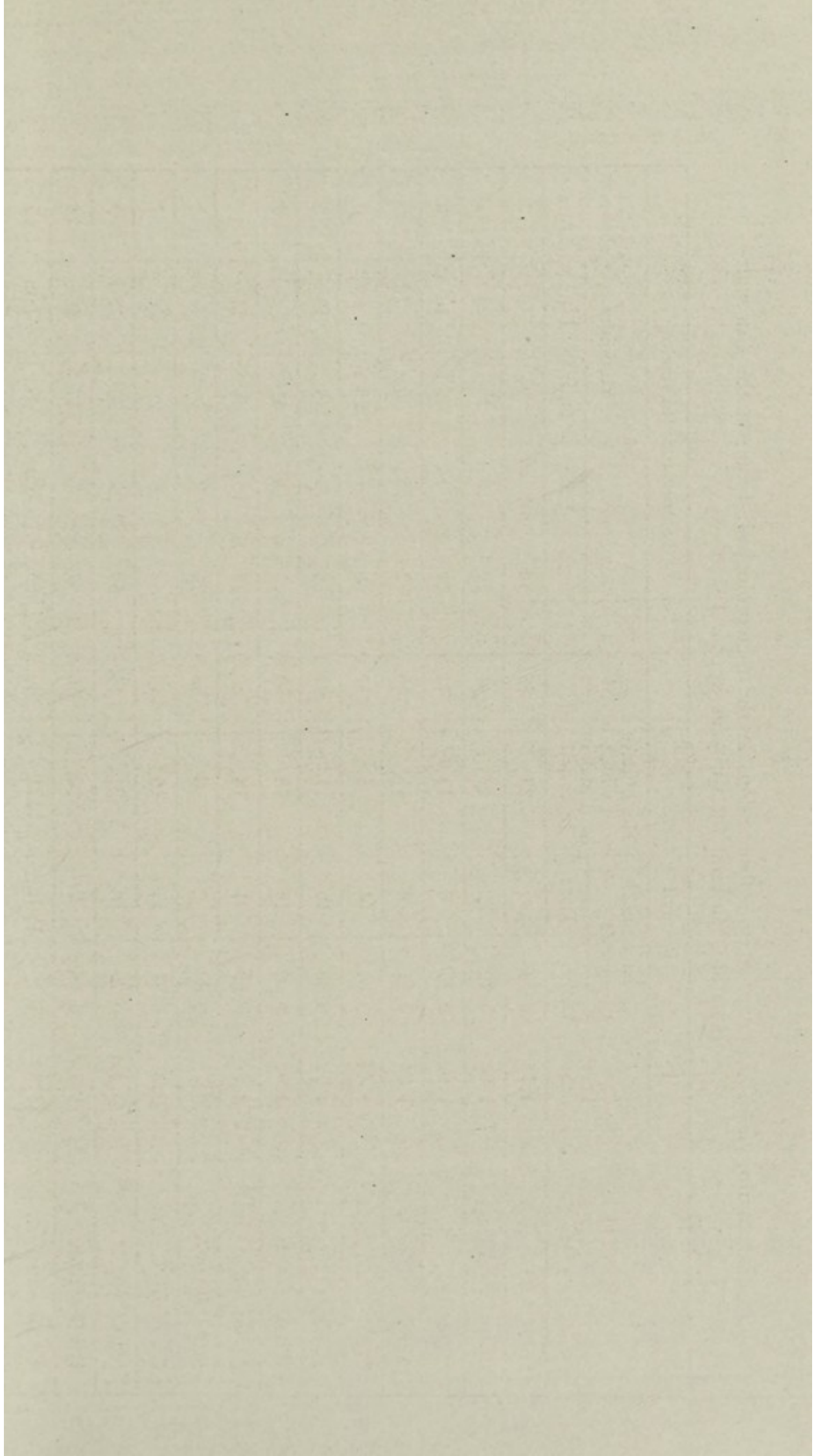
Premises (1)	Number of		
	Inspections (2)	Written Notices (3)	Occupiers prosecuted (4)
Factories with mechanical power ..	357	99	—
Factories without mechanical power ..	246	10	—
Other Premises under the act (including works of building and engineering construction but not including out-workers' premises).	51	1	—
Total	654	110	—

DEFECTS FOUND IN FACTORIES

Particulars (1)	Number of Defects			No. of defects in respect of which Prosecu- tions were in- stituted (5)
	Found (2)	Remedied (3)	Referred to H.M. Inspector (4)	
Want of cleanliness (S.1)	8	7	—	—
Overcrowding (S. 2)	—	—	—	—
Unreasonable temperature (S. 3)	—	—	—	—
Want of Thermometer (S. 3)	10	10	—	—
Inadequate ventilation (S. 4)	—	—	—	—
Ineffective drainage of floors (S. 6) ..	—	—	—	—
Sanitary Conveniences { insufficient { unsuitable or defective { not separate for sexes	485	300	—	—
Other offences (Not including offences relating to Home Work or offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops Transfer of Powers) Order, 1921, and re-enacted in the Third Schedule to the Factories Act, 1937)	30	10	—	—
Total	533	327	—	—

Meteorology.—A summary of the observations at the meteorological station at the Borough Isolation Hospital for the year appear below:—

MONTH	Rainfall			No. of days on which 0.01 inch or more fell	Temperature (in shade)						No. of nights at or below 32-deg.
	Total inches	Greatest in 24 hours			Mean	Maximum		Minimum			
		Depth	Date			Deg.	Date	Deg.	Date		
JANUARY	4.73	0.79	25	23	38.2	54	8 & 14	9	6	17	
FEBRUARY	1.06	0.20	22	13	41.2	59	10	19	3	11	
MARCH.. ..	1.62	0.39	8	13	41.8	61	3	25	10	6	
APRIL	1.74	0.41	4	16	46.7	72	12	30	7	5	
MAY	1.44	0.74	14	6	52.0	76	9	33	6	0	
JUNE	1.12	0.36	15	11	57.1	85	6	35	13	0	
JULY	4.90	1.16	15	23	59.3	77	4	41	1, 2 & 11	0	
AUGUST	2.24	0.69	21	14	60.9	77	15	44	11	0	
SEPTEMBER	0.73	0.64	2	6	56.5	79	8	39	25 & 29	0	
OCTOBER	2.83	0.99	17	15	45.2	63	5	28	26	7	
NOVEMBER	4.21	0.70	18	21	45.4	59	29	30	22	2	
DECEMBER	1.75	0.54	7	10	36.8	57	1	17	30	14	
YEAR—1939	28.37	1.16	15 July	171	49.2	85	6 June	9	6 Jan.	62	



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