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Contributors

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1919



1919

COUNTY BOROUGH OF BURTON-UPON-TRENT.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

AND SCHOOL MEDICAL OFFICER,

FOR THE YEAR 1919,

BY

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

ALSO

REPORTS OF THE SANITARY INSPECTOR

AND

SUPT. OF THE REFUSE REMOVAL DEPT.

"HONOR ALIT ARTES."

ANNUAL REPORT

COUNTY BOROUGH OF BURTON-UPON-TRENT.

HEALTH COMMITTEE.

THE MAYOR (COUNCILLOR G. HILL, J.P.).

Chairman—ALDERMAN J. R. MORRIS, J.P.

Vice-Chairman—COUNCILLOR J. W. A. BASSETT, J.P.

ALDERMAN T. METCALFE, J.P.	COUNCILLOR J. SMITH.
COUNCILLOR W. AUSTIN.	„ G. SANDERS.
„ A. ELLIOTT.	„ R. W. SKINNER.
„ W. D. JOHNSON.	„ J. WILKINSON.
„ W. LEAN.	

MATERNITY AND CHILD WELFARE COMMITTEE.

MEMBERS OF HEALTH COMMITTEE, and MRS. BELL, MRS. CLARKE, MRS. GREEN
MRS. STERN. MISS THRIFT.

Town Clerk :

JOHN B. CHAPMAN.

Borough Surveyor :

G. T. LYNAM, M.I.C.E.

MEDICAL OFFICER'S DEPARTMENT.

Chief Sanitary Inspector :

J. JENKINSON, Cert. Roy. San. Inst. ; Cert. Inspection of Meat.

Assistant Sanitary Inspectors :

F. V. A. SMITH, Cert. Roy. San. Inst. ; Cert. Inspection of Meat.

F. R. SMITH, Cert. Roy. San. Inst.

E. MITTON.

Clerks :

C. GAUNT.

G. M. UPTON.

Matron of Borough Hospital :

MRS. A. J. ELLIS.

Health Visitors :

MISS H. C. SCOTT.

MRS. E. J. DAMER.

MISS E. MAYALL.

School Nurses :

MISS K. W. M. CURLEY.

MISS E. MORTON.

*Medical Officer of Health, Public
Analyst, School Medical Officer
and Tuberculosis Officer, &c.* }
Assistant do.

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

J. M. CLARKE, M.B., Ch.B., &c.
(Left December, 1919).

BRINLEY R. LLOYD, M.B., B.S.,
D.P.H.
(Commenced duties, December, 1919).

COPIES OF THE REPORT OF THE

COMMISSIONERS OF THE LAND OFFICE

FOR THE YEAR 1881

AND THE

REPORT OF THE

COMMISSIONERS OF THE LAND OFFICE

FOR THE YEAR 1882

AND THE

REPORT OF THE

COMMISSIONERS OF THE LAND OFFICE

FOR THE YEAR 1883

AND THE

REPORT OF THE

COMMISSIONERS OF THE LAND OFFICE

FOR THE YEAR 1884

AND THE

REPORT OF THE

COMMISSIONERS OF THE LAND OFFICE

FOR THE YEAR 1885

AND THE

REPORT OF THE

COMMISSIONERS OF THE LAND OFFICE

FOR THE YEAR 1886

AND THE

REPORT OF THE

COMMISSIONERS OF THE LAND OFFICE

FOR THE YEAR 1887

AND THE

REPORT OF THE

COMMISSIONERS OF THE LAND OFFICE

HEALTH OFFICE,
TOWN HALL,
BURTON-ON-TRENT,

27th April, 1920.

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

MR. MAYOR AND GENTLEMEN,

I beg to present my Report on the Health of the Borough, and also the Annual Report of the School Medical Officer for the year 1919.

The form and arrangement of the report differs from that of previous years. This has been done to comply with the instructions of the Ministry of Health.

The main features in the Vital Statistics of the year are the high marriage rate, the increasing birth rate, the low death rate from Tuberculosis, and the large number of deaths from Cancer.

I wish to draw your attention particularly to the important and increasing work done in connection with Maternity and Child Welfare, Venereal Diseases, and Housing, which will be found described in detail in the report.

Owing to the difficulty in obtaining an adequate staff, the administration of the Isolation Hospital and Sanatorium has been very difficult during the year, and I wish to acknowledge the great assistance I have received from the Matron in carrying on the work of these Institutions.


I have also to acknowledge the ever ready assistance received from the Assistant Medical Officer, Dr. Clarke, and from all the other members of my Staff.

I have also to thank the Chairman and Members of the Health Committee for the time and attention devoted to the important work of my Department.

Your obedient Servant,

JAMES M. COWIE,

Medical Officer of Health.



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REPORT.

VITAL STATISTICS.

The following are the Registrar General's estimates of the population which are used in calculating the birth rates and civilian death-rates for the last four years :—

<i>Estimated Population</i> , 1919.	For the Death Rate	47,682.
	For the Birth Rate	49,670.
<i>Estimated Population</i> , 1918.	For the Death Rate	42,155.
	For the Birth Rate	47,233.
<i>Estimated Population</i> , 1917.	For the Death Rate	42,311.
	For the Birth Rate	47,165.
<i>Estimated Population</i> , 1916.	For the Death Rate	44,352.
	For the Birth Rate	48,256.

Population Census, 1911—48,266.

<i>Summary of Vital Statistics.</i>				<i>Years</i>			
				1919.	1918.	1917.	1916.
Number of Births	...	...	...	829	787	727	988
Birth Rate	...	...	...	16.69	16.66	15.41	20.47
Number of Illegitimate Births	...	...	...	60	63	47	51
Percentage of total Births	...	...	...	7.1	8.	6.4	5.1
Number of Marriages	...	...	...	657	422	434	408
Marriage Rate	...	...	...	26.45	17.87	18.42	16.91
Number of Deaths	...	...	...	645	813	596	619
Death Rate	...	...	...	13.52	19.28	14.08	13.95
Number of Deaths under 1 year	...	...	...	74	75	65	70
Infantile Mortality Rate per 1,000 births	...	...	...	88	95	89	71
Deaths from Pulmonary Tuber- culosis	...	...	...	47	70	50	73
Phthisis Death Rate	...	...	...	0.98	1.66	1.18	1.64
Number of deaths from other forms of Tuberculosis	...	...	...	10	19	14	20
Death Rate from other forms of Tuberculosis	...	...	...	.21	.45	.33	.45
Number of Deaths from Cancer	...	...	...	64	48	61	43
Cancer Death Rate	...	...	...	1.34	1.14	1.44	.96
Zymotic Death Rate	...	...	...	.29	.99	.40	.58

Births. The Births for the year numbered 829, which is the highest number registered since 1916.

During the first three-quarters of the year there was a considerable decrease in the number of births registered, but this was made good by an increase in the last quarter of the year.

The birth-rate for the Borough for 1919 was 16.69.

The birth-rate for England and Wales was 18.5.

The number of illegitimate births was 60, which is 7.1 per cent. of the total births.

Marriages. I am indebted to Alfred Coxon, Esq., Superintendent Registrar of the Burton-on-Trent District for the necessary figures relating to marriage.

The number of marriages solemnized in Burton during 1919 was 657, compared with 422 in the previous year, an increase of 235.

The rate of persons married per 1,000 of the population was 26.45, which is the highest marriage rate recorded in the Borough for at least 25 years.

Deaths. The nett number of deaths recorded for the year was 645.

The death-rate for the year was, therefore, 13.52 per 1,000, as compared with 19.28 in the previous year.

The death-rate in England and Wales was 13.8.

Uncertified deaths numbered 18, and inquests were held on 22 cases, 5 of which did not belong to the Borough.

Infantile Mortality. The number of deaths under one year of age was 74. This gives an infantile mortality rate of 88 per 1,000 births.

In England and Wales the rate was 89, in the 96 great towns 93, and in the 148 smaller towns (of which Burton is one) 90 per 1,000 births.

TUBERCULOSIS.

Pulmonary Tuberculosis. There were 47 deaths from Pulmonary Tuberculosis during 1919, a decrease of 23 as compared with the previous year. The average number of deaths per annum during the previous five years was 61·6.

For the year 1919 the death-rate from Pulmonary Tuberculosis was 0·98 per 1,000 of the population, compared with a rate of 1·66 in the previous year.

This is the lowest death-rate from Pulmonary Tuberculosis recorded in the Borough, the next lowest being a rate of 1·104 in 1914.

Of the 47 deaths 19 were of males, and 28 of females.

As a rule the mortality in the male sex from this disease in the Borough is much greater than in the female sex. In fact there is only one previous occasion where we have a record of this disease causing a greater number of deaths in females than in males, and that was in 1881 when there were 46 deaths of females and 32 deaths of males. In 1918 the number of deaths of each sex was the same.

Non-Pulmonary Tuberculosis. Tuberculous diseases other than Pulmonary Tuberculosis caused 10 deaths, which is the equivalent of a death-rate of 0·21 per 1,000 for other forms of Tuberculosis.

Cancer. The number of deaths certified as due to Cancer was 64, compared with 48 in the previous year.

This is the highest number of deaths from this disease recorded in the Borough.

The average number of deaths from Cancer in the previous 5 years was 49·8.

The Cancer death-rate in the Borough for 1919 was 1·34 per 1,000. There was a higher rate recorded in 1917, viz., 1·44, when 61 deaths occurred, but this rate was calculated on a much lower population due to the absence of a large proportion of the younger inhabitants on war service who are less liable to cancer.

Zymotic Death-Rate. The number of deaths from the 7 principal zymotic diseases was 14, which gives a zymotic death-rate of ·29 per 1,000.

SANITARY CIRCUMSTANCES OF THE DISTRICT.

Water. The South Staffordshire Water Works Company are responsible for the public water supply of the Borough. The water is hard, has no plumbo-solvent action, and is of good quality. The supply is sufficient and is constant.

About 10 per cent of houses are still supplied from shallow wells.

Two samples of the public supply were analysed during the year, and were found to be of good quality.

Four samples were also analysed from shallow wells—two being passed and two condemned—the latter being replaced with the public supply.

Drainage and Sewerage. The sewerage system is mainly on the separate system. Practically the whole of the area is sewered and the sewage disposed of by lime treatment and intermittent filtration and irrigation.

Both sewerage and sewage disposal are sufficient.

Closet Accommodation. The process of converting the privy and pail closets in the Borough to the water carriage system has been greatly impeded owing to war conditions.

During the year 5 privies and 8 pail closets were converted.

Since the commencement of this work 1,636 privy middens, and 3,143 pail closets have been converted, while 472 additional water closets have been provided in order to get separate closet accommodation for each house.

The closets still to be converted to the water carriage system number 745 privy middens and 3,468 pail closets.

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

In nearly all cases where a water closet or a pail closet is in existence, separate movable ashbins with proper covering are provided for house refuse.

This refuse is removed weekly and is disposed of at the Destructor.

Where the privy middens are still in existence these are combined with ashpits, and are emptied at varying intervals according to the needs of the case.

The following report on the collection and disposal of house refuse and other matters has been presented to the Health Committee by Mr. Turner, Superintendent of the Refuse Removal and Destructor Department for the year ending 31st March, 1920.

REFUSE REMOVAL AND DESTRUCTOR DEPARTMENT,

TOWN HALL,

BURTON-ON-TRENT,

April, 1920.

TO THE CHAIRMAN AND MEMBERS OF THE HEALTH
COMMITTEE.

GENTLEMEN,

ANNUAL REPORT, 1919-20, FROM 1ST APRIL, 1919, TO
31ST MARCH, 1920.

I beg to submit my Annual Report and summary of work done during the past year.

The total number of foremen and workmen employed in both branches of the Department is 52—particulars of which are stated under separate headings.

Refuse Removal. The number of workmen engaged in this work is 42. Workmen's holidays and the 8-hour system having caused a slight increase in the number of men employed.

Two Pensioners are shown on the wages book, viz., F. Hands and W. Goodwin, at 5/- per week each. J. Bosworth, who had also been receiving a pension of 5/- per week, died in December last.

	1919-20.			1918-19.		
	£	s.	d.	£	s.	d.
Sick Pay amounts to	10	17	6	18	18	6
Compensation Pay ...	7	10	0	1	3	4
Pensions	35	0	0	65	0	0

Two accidents have occurred during the year under the heading Compensation Pay, viz., A. Birkenhead, who was bitten by a foxhound at Winshill, while removing refuse, but as he was compensated by the Meynell Hunt the figures are not included. The other case was A. Alley, who was injured by his workmate with an iron bar in Anglesey Road.

21 horses are engaged, and they have done the whole of the carting—no hired horses have been required.

3 fresh horses have been purchased during the year, and they have all turned out good animals.

2 fresh horses are allowed for in the estimate for ensuing year.

3,338 Sanitary Pans are in use—31 of which are emptied twice weekly.

20 sanitary pans have been converted to W.C.'s during the year.

3 privy cesspools have been converted to W.C.'s during the year.

1 combined privy and ashpit have been converted to W.C.'s during the year.

10,117 ashpans are emptied weekly.

77 ashpans have been supplied for renewals.

315 dry ashpits have been emptied, compared with 243 the previous year.

29 cesspools have been emptied—compared with 23 the previous year.

343 combined privies and ashpits have been emptied—compared with 250 the previous year.

The increase in pit emptying is due to all old houses in the Borough that are fit for habitation being now occupied—the poor quality of coal and coke used has also added to the increase.

These remarks also apply to the contents of refuse (ashes) pans.

The number of loads of excreta collected weekly is 78, of which about 12 loads per working night are dealt with at the Gas Sidings Depot, the remainder at the various country depots.

The number of loads of house refuse collected weekly is 176.

Total quantity of nightsoil manure disposed of by trucks from the Gas Works Siding is 507 tons compared with 449 tons the previous year.

We have only 4 trucks now in use for this traffic, 6 others having been taken over at various times by the Farm Committee.

Owing to one or more of the 4 trucks being stopped occasionally by the Railway Companies for defects, we are not always able to keep the loading platform clear,—the loading up is, however, always done at the earliest possible time when a truck is in the siding.

I have arranged with Mr. Woolley, at Wetmoor Farm, for use of his depot during the ensuing summer at the same rent as heretofore, viz., £35.

The estimated cost of working and maintenance of plant for the past year was fixed at £9,470, and the approximate cost is £11,284, the increase is chiefly due to two items, viz., increased wages and cost of provender.

The estimate for the ensuing year is £12,075.

DESTRUCTOR.

The number of men engaged is same as last year, viz., 10.

	1919-20.	1918-19.
	£ s. d.	£ s. d.
Sick Pay amounts to	1 4 2	2 17 6
Compensation „ ...	Nil.	Nil.
Allowance Pay (Aldous)	13 0 0	Nil.

Approximate weight of refuse dealt with is 11,400 tons.

Owing to the repairs to furnaces and arches taking nearly a month to put them in working order—a large quantity of house refuse was tipped on the Midland Railway Wharf (Bond End) and burnt in the open—the residue being cleared up as quickly as circumstances permitted.

Old galvanised scrap is sold for 12 months ending 31st Dec., 1920, to Messrs. Thos. W. Ward, Ltd., Sheffield, at £2 1s. 3d. per ton, an increase of 9/3 per ton on the previous year.

Old tins and enamel-ware is sold for same period to Messrs. Derby Fertiliser Co., Ltd., Victoria Crescent, Burton-on-Trent, at £2 10s. per ton, an increase of £1 per ton.

Light scrap iron picked from house refuse, is sold to Messrs. Moore & Sons, Milton Street, Burton-on-Trent, at £4 per ton, an increase of 50/- per ton.

The estimated cost of working and maintenance of plant was fixed at £2,523, and the approximate cost is £3,150. Repairs to buildings and machinery, and increase of wages, are the cause of extra expenditure.

The estimate for the ensuing year is £3,000.

I am, etc.,

Your obedient Servant,

F. TURNER,

Superintendent.

Sanitary Inspection of the District. I have received the following report from Mr. Jenkinson, Inspector of Nuisances, under Article 20 (16) of the Local Government Board's General Order, 13th December, 1910 :—

SANITARY INSPECTOR'S DEPARTMENT,
TOWN HALL,

April, 1920.

TO THE CHAIRMAN AND MEMBERS OF THE HEALTH
COMMITTEE.

GENTLEMEN,

I have pleasure in presenting for your consideration my Eleventh Annual Report upon the work of the Sanitary Inspectors during the year ended 31st December, 1919.

In February, Mr. Jacques, 2nd Assistant Sanitary Inspector, returned to duty after being demobilised from the Army. Mr. F. R. Smith returned in March, but it was not until the end of April that the Chief Assistant Inspector, Mr. F. V. A. Smith, was enabled to resume his civil duties. In June Mr. Jacques received an appointment as Inspector under the Pershore Rural District Council, and the vacancy thus created was filled by Mr. F. R. Smith being promoted to 2nd Assistant Inspector, whilst Mr. E. Mitton was appointed as clerk, his intention being to qualify for the Sanitary Institute Certificate, with which object in view he has attended classes in Birmingham, and has also obtained practical instruction during the course of the year.

With respect to the general abatement of nuisances we have, like other Authorities, experienced great difficulty in this respect owing chiefly to the scarcity and high cost of materials and labour ; but notwithstanding these adverse factors, it is gratifying to be able to report a successful year's work, a large number of insanitary conditions having been remedied.

In October a Housing Survey was carried out at the request of the Ministry of Health, which is referred to in another part of this report.

During the year 259 complaints were received and investigated, nuisances being found to exist in 206 instances.

It will be seen from the summary that 988 nuisances were abated, it being found necessary to serve 702 preliminary notices, statutory notices and letters.

Food & Drugs Acts, etc. Under the above Acts 92 samples have been obtained and submitted to the Public Analyst, who has from time to time reported the results of the analyses to you; six samples of milk being procured "in course of delivery."

Common Lodging Houses. The number of lodging houses on the register at the beginning of the present year is 4, there being accommodation for 183 adults and 10 children.

The number of visits paid during the year was 272.

Canal Boats. The number of boats visited and inspected during the year was 9, and of these 10 inspections were made.

SUMMARY OF VISITS.

To Dairies, Cowsheds and Milkshops	...	...	...	370
To Slaughterhouses	...	...	...	807
To Bakehouses	...	...	...	32
To Factories, Workshops and Outworkers	...	...	...	374
To Common Lodging Houses	...	...	...	272
To Properties under notice	...	...	...	2055
To Premises re Nuisances	...	...	...	1084
To Premises where swine are kept	...	...	...	363
To Premises, re Infectious Disease	...	...	...	1889
To Markets and Shops re Food Inspection	...	...	...	296

Visits re Food & Drugs Acts	...	...	...	...	134
Visits re Food Orders	...	...	...	...	644
Visits re Petrol	...	...	...	...	166
Visits re Wart Disease of Potatoes	...	...	...	...	2087
Visits re Rat Destruction	...	...	...	...	389
Visits re Shops Act	...	...	...	...	251
Visits to Van Dwellings	...	...	...	...	40
Visits re Ice Cream	...	...	...	...	24
Visits re Smoke Abatement	...	...	...	...	15
Visits re Housing	...	...	...	...	542
Miscellaneous Visits	...	...	...	...	665
					<hr/> 12499

CONTRAVENTION OF BYELAWS DEALT WITH.

Dairies, Cowsheds and Milkshops	...	...	...	...	20
Slaughterhouses	...	...	...	...	6
Bakehouses	...	...	...	...	3
Factories and Workshops	...	...	...	...	12

NUISANCES DEALT WITH.

Foul or defective drains, defective or dilapidated W.C.'s, privies and urinals	...	...	...	...	238
Defective roofs, eave and down spoutings	...	...	...	...	326
Houses damp, defective or dirty	...	...	...	...	194
Houses without proper ashes accommodation	...	...	...	...	69
Houses without proper water supply	...	...	...	...	5
Houses overcrowded	...	...	...	...	4
Defective sinks, sink pipes and yard paving	...	...	...	...	78
Animals kept as to be a nuisance	...	...	...	...	5
Accumulations of manure, etc.	...	...	...	...	33
Miscellaneous Nuisances	...	...	...	...	36
					<hr/> 988

NOTICES SERVED.

Preliminary ... 644 Statutory ... 58

Your obedient Servant,

JOSEPH JENKINSON,

Inspector of Nuisances

FOOD.

Milk Supply. The milk supply of the Borough is on the whole adequate and of good quality.

A few cases of adulteration have had to be dealt with under the Food and Drugs Acts.

39 bulk samples of milk were submitted to Professor Delepine, Manchester, for examination for Tuberculosis, and in 3 cases a positive report was received.

The farms were visited by the Veterinary Surgeon, when 5 samples were taken from suspected animals. Three of these were found to be Tuberculous—one from each farm.

2 of the affected animals were immediately slaughtered, and the third was isolated from other cows in milk (the milk not being used for human consumption), and was afterwards slaughtered as a fat beast.

Cowsheds, Dairies and Milkshops. The following Table shows the number of persons who are registered under the Dairies, Cowsheds and Milkshops Order of 1885.

No. of Cowkeepers who are also milk purveyors	...	32
No. of Cowkeepers who are not milk purveyors	...	7
No. of Dairymen and Milk Purveyors	... ..	42
No. of Milkshops	... ..	13
		—
		94
		—

During the year 20 persons discontinued the business, and 16 new names were placed on the register.

370 inspections of cowsheds, dairies, and milkshops have been made during the year.

Milk and Cream Regulations, 1912 and 1917. 40 samples of milk were examined for the presence of a preservative, but in no case was a preservative found. No samples of cream were examined during the year.

Milk (Mothers and Children) Order, 1918. During the first half of the year applications for assistance under the above Order had to be made at the Babies' Welcome, Union Street; but in the second half of the year, when the Babies' Welcome was taken over by the Corporation, to the Infant Welfare Centre and to the Health Visitors attending cases in the district.

Arrangements were made with the Voluntary Aid Association to supply the milk prescribed, to investigate the necessities of the cases, and to charge these accounts to the Health Committee.

During the year the number of families supplied with milk was 50, at a cost of £49 13s. 7d.

Slaughterhouses and Meat Inspection. The number of slaughterhouses in regular use in the Borough throughout the year 1919 was 13, namely :—

8 slaughterhouses used by pork butchers.

4 slaughterhouses where the “ pool ” slaughtering by the general butchers, under the regulations made by the Ministry of Food, was carried out ; also

1 slaughterhouse authorised as a Government slaughterhouse for all casualty cattle, sheep, etc., for a large area round Burton. This arrangement, which was inaugurated in April, 1918, whereby all casualties were required to be dealt with at one slaughterhouse was very effective from the point of view of more efficient inspection, this being evidenced by the large amount of unsound meat dealt with during the year, the total being in excess of that condemned in any one year in Burton previously.

The total weight of meat, fish, and other unsound food dealt with was 14 tons, 12 cwts., 0 qrs., 26 lbs., of which 25 whole carcasses, together with the offals, and 38 parts of carcasses were condemned for Tuberculosis.

Bakehouses. There are in all 27 bakehouses in use in the Borough, 18 of which are workshops and 9 factories.

All have been inspected during the year, total visits being 32.

Sale of Food and Drugs Acts. In the following Table are set forth particulars of the various samples which have been analysed during the year :—

ARTICLE.			No. taken formally.	No. Adulterated.	No. taken informally.	No. Adulterated.	Total No. of Samples.	Total No. Adulterated.
Milk	...	...	38	5	3	0	41	5
Beer	...	...	13	1	0	0	13	1
Butter	...	...	7	0	5	0	12	0
Margarine	...	...	3	0	2	0	5	0
Lard	...	...	3	0	0	0	3	0
Vinegar	...	...	0	0	5	0	5	0
Coffee	...	...	0	0	4	0	4	0
Arrowroot	...	...	0	0	1	0	1	0
Rice	...	...	0	0	3	0	3	0
Pepper	...	...	0	0	1	0	1	0
Ground Rice	...	...	0	0	3	0	3	0
Total	...	...	64	6	27	0	91	6

The particulars of the adulterated samples are as follows :—

Sample No. 2. Beer. Price 6d. Original gravity 1027·9, in place of 1034. Vendor warned.

Sample No. 11. Milk. 18 per cent deficient in fat and 5·8 per cent of added water. Vendor warned.

Sample No. 22. Milk. 8·7 per cent of added water.

Sample No. 23. Milk. 4·2 per cent of added water.

Vendor of Nos. 22 and 23 to pay 5/6 costs.

Sample No. 24. Milk. 5 per cent of added water. Vendor fined £2.

Sample No. 25. Milk, 9.6 per cent of added water and 13 per cent deficient in fat. Vendor fined £5 and 5/- costs.

The Vendor of Nos. 24 and 25 was a farmer who supplied the milk to a dairyman from whom Nos. 22 and 23 were obtained, and he in turn supplied Sample No. 11 to a milkshop.

PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES.

The following is a list of the diseases notified during the year :—

Scarlet Fever	...	...	...	147
Diphtheria	...	...	...	49
Enteric Fever	...	...	...	1
Puerperal Fever	...	...	...	3
Erysipelas	...	...	...	15
Ophthalmia Neonatorum	...	...	...	18
German Measles	...	...	...	406
Measles	...	...	...	479
Dysentery	...	...	...	5
Influenzal Pneumonia	...	...	...	57
Primary Pneumonia	...	...	...	16
Trench Fever	...	...	...	2
Malaria	...	...	...	25
Cerebro-spinal Meningitis	...	...	...	3
Polioencephalitis	...	...	...	1

Towards the end of the year a rather extensive epidemic of German Measles spread over the town, and latterly there was also a considerable number of cases of ordinary Measles.

Five Infant Departments were closed for a period of three weeks to prevent the spread of infection.

All the cases of Dysentery, Trench Fever, and Malaria, occurred amongst discharged soldiers who had previously suffered from these diseases.

Most of the cases of Influenzal Pneumonia were notified in the first few months of the year.

Diphtheria Contacts. When a case of Diphtheria is notified all the school children in the same house have "swabs" taken from their throats for the purpose of discovering whether they are "Carriers" of the Diphtheria Bacillus or not.

If the "swabs" are negative the children are allowed to return to school at once if the patient has been removed to Hospital.

During the year "swabs" were taken from 44 contacts, and 2 of these gave a positive result, a proportion of 4·5 per cent.

Diphtheria Antitoxin was supplied as usual from the Health Office for all cases of Diphtheria in the Borough, if applied for.

Cerebro Spinal Fever. Three cases of this disease occurred during the year, two in April and one in May.

The ages of the patients were 10 years, 20 years, and 13 years respectively.

Two cases were treated at home, one of which died, while the other made a good recovery.

The other case was removed to the Hospital, and also made a good recovery.

Polioencephalitis. One case was notified in July.

The child made a good recovery apart from slight dragging of one foot when last seen.

Schools and Infectious Disease. The following Table shows how the various schools were affected with the various infectious diseases including the principal non-notifiable infectious diseases :—

SCHOOLS AND INFECTIOUS DISEASE.

SCHOOL.	Whoop- ing Cough.	Chick- en Pox.	Measles.	Scarlet Fever.	Diph- theria.	Mumps.
Winshill ... ..	...	19	13	3	...	1
Horninglow	3	10	14	6	1	6
Broadway	14	27	87	5	2	7
Mission Room, Stapenhill ...	1	29	17	4	1	...
Victoria Road	10	32	169	7	11	5
Grange Street	1	11	83	...	3	18
Hawkins Lane	2	4	36	5	...	1
Christ Church	3	34	19	11	...	6
Shobnall Road ... ..	...	...	5	...	...	2
Hill Street and St. Peter's Street	...	10	37	27	2	...
Guild Street ... ..	...	4	64	18	3	10
Wetmore Road ... ..	...	1	65	...	...	...
Uxbridge Street	5	9	74	7	2	3
Catholic, Guild Street	1	...	2	...	...	...
Goodman Street and Stafford St.	...	5	17	6	...	2
High School (Girls) ... ..	...	...	3	3	1	...
Grammar School ... ..	...	...	8	...	...	...
No School	5	20	166	36	23	3
Private School ... ..	...	...	6	4	...	...
Totals ...	45	215	885	142	49	64

Legal Proceedings. Legal proceedings were taken in one case where a woman suffering from Diphtheria exposed herself in a public conveyance after being warned that she must not do so.

A fine of £1 and £1 1s. costs was imposed.

BOROUGH ISOLATION HOSPITAL.

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

Patients.	In Hospital January 1st, 1919	Ad- mitted.	Dis- charged.	Died.	In Hospital Dec. 31st, 1919
Scarlet Fever ...	10	107	96	2	19
Diphtheria ...	0	*29	23	0	6
Other Diseases ...	0	§2	1	1	0
Totals ...	10	138	120	3	25

* Including 2 Diphtheria "Carriers."

§ Dysentery 1, Cerebro Spinal Fever 1.

The average period of isolation in hospital of the 96 Scarlet Fever patients discharged was 45 days, and of the 23 Diphtheria patients 33 days.

"Return" Cases of Scarlet Fever. 3 "Return" cases of Scarlet Fever were notified during the year. The onset in the secondary cases occurred 7 days, 14 days, and 30 days respectively after the discharge of the primary case from hospital.

Hospital Administration. Much difficulty was experienced during the year in maintaining a sufficient staff of nurses and domestics, in fact the difficulties and worries facing the administrative heads of such institutions appear to increase year by year, and it is very difficult to suggest a remedy.

Salaries have been increased, but the shortage still remains, and it appears that there is a real shortage of nurses throughout the country owing to the general reduction in hours in hospitals and the increased staffs thereby rendered necessary.

Tuberculosis. The following Tables give the number of Pulmonary and Non-Pulmonary cases of Tuberculosis notified during the year :—

Notification of Pulmonary Tuberculosis, 1919.

Age Period.	0-1	1-5	5-15	15-25	25-35	35-45	45-55	55-65	Over 65	Total
Males ...	1	2	14	7	9	18	5	5	1	62
Females ...	0	1	9	15	3	7	4	1	1	41
Total ...	1	3	23	22	12	25	9	6	2	103

Notification of Non-Pulmonary Tuberculosis, 1919.

Age Period.	0-1	1-5	5-15	15-25	25-35	35-45	45-55	55-65	Over 65	Total
Males ...	1	1	9	4	3	0	1	0	0	19
Females ...	0	5	10	1	0	0	0	0	0	16
Total ...	1	6	19	5	3	0	1	0	0	35

The arrangements for the treatment of tuberculosis include a Sanatorium of 22 beds at the Isolation Hospital, Outwoods, and a Tuberculosis Dispensary at 31, Union Street. Generally speaking, the provisions have been sufficient for the needs of the Borough. There has been practically no waiting list of patients for admission to the Sanatorium. The scheme is, however, in need of improvement in the direction of more facilities for the treatment of non-pulmonary tuberculosis in children and young persons. Negotiations are at present in progress with the Derbyshire County Council for a number of beds for the purpose at Bretby Hall, and it is hoped that it may be possible to arrive at an agreement so that children and young persons suffering from non-pulmonary tuberculosis may receive the benefit of skilled treatment there when the institution is ready.

Sanatorium. The total number of cases admitted to the Sanatorium for treatment during the year was 89, while 14 admitted in 1918 were still in the Sanatorium at the beginning of 1919. The cases admitted were as follows :—

MALES.

Sent by Insurance Committee	...	...	...	7
Sent by Insurance Committee (Discharged Soldiers)	...	...	...	29
Sent by Children's Care Committee	...	...	...	6
Others	...	...	...	9
				—
				51

FEMALES.

Sent by Insurance Committee	...	...	...	9
Sent by Children's Care Committee	...	...	...	5
Others	...	...	...	24
				—
				38

Patients Discharged from the Sanatorium. During the year 85 patients suffering from tuberculosis were discharged from the Sanatorium. Two died, and 16 remained under treatment at the end of the year.

The condition of the tuberculosis patients at the time of discharge from the Sanatorium was as follows :—

					Males.	Females.
Material Improvement	...	...	...		17	10
Slight Improvement	...	...	...		25	17
No change	...	...	...	...	0	0
Deterioration	...	...	...	...	4	1
Died	...	...	...	...	1	1
Treatment discontinued for other than medical reasons	...	...	...		4	4
Observation Cases	...	...	...		2	1
Under treatment at end of year	...	...			7	9

Tuberculosis Dispensary. Up to the end of February, 1919, patients from the South Derbyshire district attended the Burton Tuberculosis Dispensary on the same days as the Borough patients, but a new agreement was entered into with the County Council whereby the Derbyshire patients attended on separate days and received treatment from the County Staff. This new arrangement has been in force since 1st March, 1919. Owing to the difficulty of getting staff during the war, the Dispensary was only open on one day per week from October, 1916, but in June, 1919, the usual sessions on two days per week were resumed. Seventy-two fresh names of Burton cases were entered on the register during the year. Included in this number were 13 contacts examined, and 20 cases sent for consultation and observation (7 by School Medical Officer and 13 by medical practitioners). In addition 8 cases were seen in consultation, either at home or at the Health Office, and 47

contacts were examined in school. (See Report of School Medical Officer).

The total number of attendances of Burton cases at the Dispensary for the year was 1,660, which gives an average per day of 21 cases. A very large amount of work was also involved in examining discharged soldiers and in issuing the various certificates required. 43 discharged soldiers were referred to the Tuberculosis Officer for a report as to whether they were suffering from Tuberculosis or not by the Pensions Committee or Pensions Medical Board.

The supervision of tuberculous cases at home was carried out for seven months of the year by the Assistant Medical Officer as in previous years, but in August, on the appointment of two additional Health Visitors, the visiting and supervision of these cases was transferred to the Health Visitors.

The total number of visits paid for this purpose was 547, including 179 visits to discharged soldiers and sailors.

Venereal Diseases. At the beginning of the year the arrangements for the treatment of Venereal Diseases was the same as described in previous reports, but on the 17th March, 1919, extended facilities came into force as follows :—

The Treatment Centre at the Infirmary, New Street, was open on Mondays at 7.45 p.m., and on Fridays at 10.30 a.m. for men, and on Wednesdays at 10.30 a.m. for women., It was also arranged that anyone who had exposed themselves to infection might have preventative treatment on application at the Infirmary. No facilities for irrigation of cases of Gonorrhoea during the intervals between the Clinics were available during the year, but negotiations are at present in progress with reference to this matter, and to a re-arrangement of the times at which the Clinics are held.

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	25	804	80 days
Soft Chancre ...	16	3	163	Nil.
Gonorrhœa ...	73	5	629	28 days
Other Diseases ...	40	12	125	Nil.
Totals ...	177	45	1721	108 days

In 1918 the total number of persons attending the Clinic was 86, and the total number of attendances 510.

The number of persons attending the Clinic has, therefore, increased over $2\frac{1}{2}$ times, and the number of attendances over 3 times.

The figures above given include patients from the Borough, from South Derbyshire, and from Staffordshire, and they also include 18 persons who attended the Clinic in 1918, and continued their attendance during 1919. There were, therefore, 204 new cases admitted to the Clinic during 1919, viz., 153 from Burton, 37 from South Derbyshire, and 14 from Staffordshire.

Of the 1,721 attendances at the Clinic 1,253 were made by Burton patients, 350 by South Derbyshire patients, and 118 by Staffordshire patients.

Salvarsan. The number of doses of Salvarsan Substitutes given at the Clinic was 341.

Pathological Specimens. In connection with Venereal Diseases work pathological specimens are examined 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 South Derbyshire area are not included in this table :—

		Wassermann	Gonorrhœa.	Spirochæta Pallida.
Treatment Centre	...	134	140	12
Private Medical Practitioners	...	26	34	0

Salvarsan Substitutes supplied to Private Medical Practitioners.

The number of doses of Salvarsan Substitutes supplied to private Medical Practitioners during the year was 40, viz., 19 of Galyl and 21 of Novarsenobillon. These doses were issued to two medical practitioners.

Pathological Outfits. The number of outfits for pathological specimens from cases of Venereal Disease issued by the Medical Officer of Health during the year was :—

To the Clinic	...	...	...	394
To Medical Practitioners	...	...	...	32
Total	...	...	...	426

Propaganda Work. A course of lectures arranged by the Local Branch of the National Council for Combating Venereal Diseases was given in February and March, 1919.

Mr. Robert Whaites, Organiser of the National Council, arrived on 17th February, 1919, and was engaged for three weeks in arranging and in giving lectures to men at the various works in the Borough.

Altogether 33 lectures were given to audiences numbering 2,198, the average attendance per lecture being 66·6.

Of the 33 lectures 26 were given by Mr. Whaites to men numbering 1,878, with an average attendance of 72·2.

The remaining 7 lectures were given to women by Dr. Victoria Bennett. Here the total attendance was 320, with an average of 45·7 per lecture.

All the lectures were given at the works, and in the employers' time, which Mr. Whaites states is a unique experience in his work for the National Council.

The employers gave whole-hearted co-operation and every facility for giving the lectures.

During the campaign only one firm gave a direct refusal, as they considered their employees above the educational need of such lectures. One large firm only gave facilities which were not found practicable in the time available.

The lectures were much appreciated by the employees, numerous questions were asked, and no complaints were received.

In addition to above, lectures were also given at the Town Hall to persons interested in Social Welfare.

Lectures on "Elementary Biology and the Special Problems of the Teacher," were given by Miss Norah March, B.Sc., on March 3rd, 4th and 5th. The average attendance at these three lectures was about 100.

On March 10th Medical lectures on Venereal Diseases were given to women only by Dr. Annie Jackson, and to men only by Dr. L. Savatard. The attendance at the women's lecture was about 160 and at the men's lecture about 50.

On March 11th a lecture on "Social Prevention" was given by Mrs. James Billson, when the attendance was about 60.

The inclement weather no doubt prevented larger attendances at some of the lectures.

All the public lectures were much appreciated, and nothing but praise was heard for the excellence of the lectures and for the concise and delicate way in which the subject was dealt with.

The extended facilities for the treatment of Venereal Disease at the Infirmary came into force on the 17th March, 1919.

Advertisements giving details as to time and place of these arrangements were inserted in the two local papers, and posters were put up in all the public urinals in the Borough.

These advertisements and posters were renewed from time to time throughout the year.

After the public lectures and propaganda work in February and March the attendance at the Clinics for Venereal Disease increased from 200 to 300 per cent.

Small Pox. No cases of Small-pox occurred during the year, but on the 15th July one very suspicious and doubtful case was removed to the Small-pox Hospital, Blakeley.

18 persons who had been in contact with this case were re-vaccinated by the Assistant Medical Officer of Health.

Bacteriological Work. Bacteriological Examinations, with the exception of Venereal Diseases, and Tuberculous Milk, are carried out for the Corporation by the Lister Institute, London.

The total number of specimens sent was 346, and the results may be summarised as follows :—

Disease.	Results positive.	Results negative.
Diphtheria	30	116
Enteric Fever	0	3
Tuberculosis	38	159

MATERNITY AND CHILD WELFARE.

Midwives Acts, 1902 & 1918. The number of midwives, who in January, 1919, gave notice of their intention to practise within the area of Burton in accordance with Section 10 of the Midwives' Act was 16.

Subsequently, 4 others gave notice, and were added to the register. Of that number 8 hold their certificates under Section 2 of the Midwives' Act, having been in bona-fide practice as midwives for at least one year before the passing of the Act ; the remaining 12 being trained and certificated midwives.

In 9 instances midwives had to be cautioned during the year for various offences against the Midwives' Acts and Regulations of the Central Midwives' Board,

One for attending cases without thorough disinfection after attending a case of Puerperal Fever ;

Two for employing uncertified women as substitutes ;

Three for failing to notify cases of Ophthalmia Neonatorum promptly, and

Three for not keeping their Registers up-to-date.

Three cases of Puerperal Fever were notified during the year, one being in a public institution, one being a doctor's case, and the third a midwife's case. The necessary disinfection was carried out before the midwife attended other cases.

64 visits of inspection were paid to midwives during the year.

The following notifications have been received from midwives :—

Medical assistance required	...	131
Still Births	... ..	15
Death of baby	... ..	1
Laying-out of dead body	... ..	1
Artificial feeding	... ..	3

Medical Practitioner's Fees. *Section 14, Midwives' Act, 1918.* Claims for fees from Medical Practitioners, under Section 14 of the Midwives' Act, 1918, for assistance to midwives in emergencies amounted to £16 15s. 0d. for the year. Of that amount the sum of £3 0s. 6d. was repaid to the Corporation by the patients.

Midwives' Meetings. Meetings were arranged for midwives by Miss Scott as in previous years. These were held on the last Friday of each month, when possible, when addresses were given by Dr. O'Sullivan, Dr. W. P. Lowe (2) and Miss Bloodworth, on subjects of interest to midwives. The meetings were very well attended and were very much appreciated.

Notification of Births and Health Visiting. The total number of births notified under the Notification of Births Act was 827 (including 15 Still Births).

At the beginning of the year only one Health Visitor was employed, but two more were subsequently appointed, and commenced their duties in June and July respectively. In addition to ordinary health visiting work, during the last five months of the year the Health Visitors had to visit Tuberculosis cases at home, attend the Tuberculosis Dispensary, and the Infant Welfare Centre.

The Health Visitors paid primary visits to 825 babies, 2,669 secondary visits to children under 12 months, and 2,662 visits to children over one year old, and 6 visits to cases of still-births, a total of 6,162 visits for the year.

Infant Welfare Centre. The Mothers' and Babies' Welcome, which had been carried on with much success by the Burton Health Society since 1911, was taken over by the Corporation as from the 1st July, 1919, and became the Burton-on-Trent Infant Welfare Centre.

A Maternity and Child Welfare Sub-Committee consisting of Mrs. Green (Chairman), Mrs. Bell, Mrs. Clarke, Mrs. Stern, Miss Thrift, Mrs. Sanders, and Mrs. McGilp, has been formed to assist in the management of the Infant Welfare Centre.

I am indebted to these ladies and to the voluntary Helpers for much valuable assistance.

For the whole year the new cases registered at the Babies' Welcome and Infant Welfare Centre numbered 263, and the total attendances 3,288. From July, 1919, the Centre has been opened on three afternoons per week.

3,675 lbs. of dried milk have been supplied at cost price for infants attending the Centre. Demonstrations in cutting out garments and dressmaking for infants were given once a week.

Dr. W. P. Lowe was appointed Medical Advisor at the Infant Welfare Centre on one day per week, the Assistant Medical Officer of Health attending on the other two days.

Ante-Natal Work. Ante-natal work is gradually being developed at the Infant Welfare Centre, 41 cases having paid 119 visits to the Centre for advice during the last six months. In this connection also 235 visits were paid by Health Visitors to ante-natal cases during the year.

Ophthalmia Neonatorum. During the year 63 cases of inflammation of the eyes came under the notice of the Health Department. Of that number 45 had very slight signs which cleared up in a day or two, and could hardly be regarded as true Ophthalmia, the remaining 18 cases were no doubt true Ophthalmia and may be classified as follows :—

Mild—7. Moderate—6. Severe—5.

With the exception of three, the treatment in all cases was carried out by the Health Visitors, under the direction of the Medical Practitioner in attendance on the case.

All the cases made good recovery, there being no cases of blindness and no damaged eyes.

Measles and Whooping Cough. All cases of Measles and Whooping Cough which came to the knowledge of the Health Department were visited during the year either by the Sanitary Inspectors or the Health Visitors. Advice was given as to isolation and the pre-

vention of infection, and also latterly, when the Health Visitors were doing the visiting advice was given as to the best methods of nursing the patient. On the whole the diseases were very mild, and only in two cases of Measles was it found necessary to actually give nursing assistance to the patients.

HOUSING.

Under the Housing, Town Planning, etc. Act, 1919, it became the duty of the Local Authority to make a survey of their district within three months of the passing of the Act, and to prepare and submit to the Ministry of Health a scheme for the exercise of their powers under Part III of the Act of 1890.

In the time given, and with the staff available, it was not possible to make a complete survey of the Borough, but the staff of the Health Department made a rapid survey of the town confining themselves mainly to those areas where defective houses were known to exist. A list of the defective houses was then drawn up, and these were all visited and inspected by the Borough Surveyor and the Medical Officer of Health. In this way a survey was obtained which although not complete in every detail, was sufficiently so from a practical point of view.

From the survey then made most of the following figures are obtained.

The total number of dwelling houses in the district is 11,461, while the number of working class houses of the types given in reply to question 15 in the Housing Schedule is 9,897.

There were no new houses for the working classes erected during the year, and none were in course of erection.

It is estimated that the number of houses required to meet the immediate unsatisfied demand for houses is 100. This matter is being dealt with by the Housing Committee. Sites have been purchased at Branstone and Stretton.

Early in 1920 a commencement was made to build 24 houses in Mona Road, and arrangements are also in progress for building houses in Ash Street and Beech Street.

Overcrowding. At the time of the Housing Survey certain figures were obtained from the Food and Coal Control records which showed that there were 50 tenements with more than two occupants per room, and the total number of occupants in the tenements 543, and also that the number of houses intended for one family which were then occupied by two or more families was 674. It was pointed out, however, that the latter figure required investigation.

Each of these houses was visited at a later date, and inquiries made when it was found that in 16 cases a larger house was required, and in 111 cases a new house was required, but in none of the others was a new house necessary, nor was a desire expressed for one.

It should be pointed out, however, that this probably does not represent the total immediate need for new houses, as other cases where new houses are required crop up by no means infrequently.

Fitness of Houses. The general standard of houses in the Borough is no doubt fairly satisfactory compared with other large towns. In a large proportion of the houses there are gardens behind, thus ensuring adequate air-space.

Nearly all the Courts in the Borough have been dealt with in previous years, and although there are still a number of houses which require dealing with under the Housing Acts, these do not form a large percentage of the total number of houses, and those which are occupied cannot be dealt with until houses are provided for the present tenants.

The action taken as regards unfit houses under the Public Health Acts is set out in the report of the Sanitary Inspector in another part of this report.

There has been considerably difficulty in keeping the houses up to the usual standard of repair during the last few years owing to the shortage of materials and the great rise in the cost of labour and materials.

At the Survey the number of inhabited houses in the district which are not and cannot be made fit for human habitation was found to be 77, and the number of persons inhabiting these houses 278. In addition 24 inhabited houses were found to be seriously defective, but could be made habitable, and there were also found 25 empty houses which although not habitable in their present condition could be made fit if repaired.

No representations were made during the year regarding unfit houses, and no closing orders were made.

Unhealthy Areas. No areas were represented as being unhealthy during the year, in fact there were no unhealthy areas of any size in the Borough, and it appears that action could be better taken by dealing with the houses individually.

TO THE CHAIRMAN AND MEMBERS OF THE HEALTH
COMMITTEE.

GENTLEMEN,

I submit herewith a report on the administration of the under-mentioned Acts and Orders, the responsibility for the carrying out of which rests upon the Inspectors of this Department.

Swine Fever. During the year 22 cases of suspected swine fever were reported, 10 of which were confirmed by the Board of Agriculture.

All the Cattle sales at the Derby St. Smithfield were attended throughout the year, and the necessary cleansing and disinfection of carts has been carried out.

Sheep Dipping (England and South Wales) Order, 1915. The requirements of this Order have been carried out.

The Shops Acts, 1912 & 1913. Under the above Acts frequent inspections have been made throughout the year in order to see that the requirements were complied with.

Employment of Children's Act, 1903. The requirements of this Act continue to receive attention, frequent visits having been paid during the year under review.

Petroleum Acts and Orders. The premises which are licensed for the storage and sale of petrol, carbide of calcium. etc., have all been inspected, when for the most part the store were found to be in accordance with the regulations. There were at the end of the year 48 premises licensed for the storage and sale of petrol, etc., and 14 premises licensed similarly for carbide of calcium.

The total number of visits paid during the year under the Petroleum Acts and Orders was 166.

Ice Cream. The premises used for the manufacture and sale of ice cream were regularly inspected during the summer months, 24 visits having been made.

Factory and Workshop Act, 1901. The number of workshops on the register at the end of the year was 211, as compared with 208 in the previous year. The Inspectors made 374 inspections of factories, workshops and outworkers' premises during the year.

Destruction of Rats. In the early part of the year under review the attention of the Committee was drawn to the immense destruction caused by rats, and, following a conference convened by the Board of Agriculture, and which was held in Birmingham, in February, at which the whole question of rat destruction was discussed, it was decided to take definite action on the lines suggested by the Board.

The Rats Order made under the Defence of the Realm Regulations, dated 18th August, 1918, was amended by an Order dated 26th March, 1919, and from that date onwards definite action was taken.

The carrying out of these additional duties placed further responsibilities upon the staff, as it is necessary that premises infested should be visited frequently, so that the best possible results may be attained.

An attempt has been made to ascertain which of the many poisons on the market could be considered as most suitable, and no less than 14 different preparations have been used with varying success during the year. In other cases dogs and ferrets were used, whilst traps were found to be effective in others.

The total number of premises found to be infested during the year was 109, and to these 389 visits were made the total number of rats destroyed, of which we have definite knowledge being 1,425. It should, however, be pointed out that where poisons are used, it can be safely assumed that the number of carcasses found does not by any means represent the total number destroyed.

In some cases it was found necessary to require owners to make the premises rat-proof after the same had been cleared, this work being carried out in 9 instances.

Wart Disease of Potatoes Orders, 1914-1919. The requirements of these Orders were carried out, a large number of inspections having been made to private gardens and allotments, no less than 2,087 visits having been made during the year.

The whole of the Borough being an "infected" area under the Wart Disease of Potatoes Order necessitated the planting of immune varieties of potatoes except in the case of certain susceptible first early varieties which were allowed to be grown on premises where no disease had existed.

A large number of inspections were made with an Inspector of the Board of Agriculture, and in 97 cases it was found that potatoes which were susceptible to Wart Disease had apparently been planted. Enquiries were made from the occupiers of the plots and gardens, and in 17 cases it was found that the potatoes concerned had been purchased as immune varieties through a seedsman who was licensed, and who had no reason to doubt the purity of the stocks; these facts were reported to the Board of Agriculture in order that the matter might be taken up with the grower.

In the remaining 80 cases, namely :—76 cases where susceptible varieties had been planted, and 4 cases where disease was found to exist and the fact had not been notified. The cases were considered

and it was decided to institute proceedings in 39 cases, namely :— 35 for planting non-immune varieties, and 4 for failing to notify the existence of Wart Disease ; whilst a warning was given in the remaining instances. At the hearing of the cases, in view of all the circumstances, and publicity obtained, the Magistrates made an order for payments of costs in each of the 35 cases, whilst 3 of the other defendants were fined £2 and costs, the other being fined £1 and costs. In announcing the decision of the Magistrates the Chairman referred to the importance of this matter, and said that regulations made by the Board of Agriculture must be complied with, and any further cases would be severely dealt with.

In conclusion, I desire to express my thanks to the Chairman and Members of the Health Committee for their confidence and support.

I am, Mr. Chairman and Gentlemen,

Your obedient Servant,

JOSEPH JENKINSON,

Cert., R.S.I.,

*Inspector of Nuisances and Inspector
under the above-mentioned Acts.*



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

MONTH.	RAINFALL.				TEMPERATURE.						
	Total inches.	Greatest in 24 hours.		No. of days on which 0·01 or more fell.	Mean.	Maximum.		Minimum.		No. of nights at or below 32-deg.	
		Depth.	Date.			Deg.	Date.	Deg.	Date.		
JANUARY	4·52	1·13	3	25	36·37	51	14	23	19	17
FEBRUARY	2·68	·98	16	17	34·15	50	22	14	9	21
MARCH	5·44	1·31	19	26	38·37	57	2	24	30	18
APRIL	1·86	·46	27	20	45·86	67	18	28	1	8
MAY	1·46	·64	6	11	57·03	79	15	36	3	—
JUNE	1·33	·39	12	13	58·38	84	11	38	22	—
JULY	2·39	·77	19	14	58·47	79	31	43	28	—
AUGUST	2·82	·71	28	16	61·51	84	10	35	31	—
SEPTEMBER	1·87	·50	22	18	55·04	85	11	29	29	3
OCTOBER	2·83	1·15	23	17	45·33	69	5	29	8	7
NOVEMBER	2·46	·42	17	25	37·31	57	23	19	16	16
DECEMBER	4·50	·90	21	28	40·76	53	3	22	1	9
YEAR—1919	34·16	1·31	Mar. 19	230	47·38	85	Sept. 11	14	Feb. 9	99

COUNTY BOROUGH OF BURTON-UPON-TRENT.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1919.

NOTIFIABLE DISEASE.	NUMBER OF CASES NOTIFIED.							TOTAL CASES NOTIFIED IN EACH LOCALITY OF THE DISTRICT.							Total Cases removed to Hospital.					
	At all Ages.	All Ages—Years.						Shobnall	Victoria	Horningsw	Uxbridge	Broadway	Burton	Winskill & Wetmore		Stapenhill				
		Under 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65										Over 65			
Small Pox
Diphtheria
Erysipelas
Scarlet Fever
Enteric Fever
Puerperal Fever
Cerebro-Spinal Meningitis
Polio-myelitis
Dysentery
Influ. Pneumonia
Primary Pneumonia
Trench Fever...
Malaria
Polioencephalitis
Ophthalmia Neonatorum
Pulmonary Tuberculosis
Other-forms-of Tuberculosis...
Totals

Burton-on Trent Isolation Hospital and Sanatorium is outside the Borough.

County Borough of Burton-on-Trent.

INFANT MORTALITY, 1919.

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

(See Notes below).

CAUSES OF DEATH.				Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 4 weeks	1-3 mths.	3-6 mths.	6-9 mths.	9-12 mths.	Total Deaths under 1 year.
ALL CAUSES.	Certified			25	6	5	3	39	17	4	7	7	74
	Uncertified ...			...	...	...	...	...	...	...	...	...	...
Small-pox ... ..				...	...	...	...	...	...	...	...	...	...
Chicken-pox ... ..				...	...	...	...	...	...	...	...	...	...
Measles ... ..				...	...	...	...	...	...	...	1	1	2
Scarlet Fever ... ..				...	...	...	...	...	...	...	...	...	...
Whooping Cough ... ..				...	...	...	...	...	...	...	...	1	1
Diphtheria ... ..				...	...	...	...	...	...	...	...	...	...
Erysipelas ... ..				...	...	...	...	...	...	...	...	...	...
Tuberculous Meningitis ... ..				...	...	...	...	...	...	...	...	1	1
Abdominal Tuberculosis (b) ... ..				...	...	...	...	...	...	...	...	...	...
Other Tuberculous Diseases ... ..				...	...	...	...	...	...	...	...	1	1
Meningitis (not Tuberculous) ... ..				...	...	...	...	...	...	...	...	...	...
Convulsions				1	...	1	...	2	...	...	1	...	3
Laryngitis ... ..				...	...	...	...	...	...	...	...	...	...
Bronchitis ... ..				...	...	1	...	1	4	2	3	1	11
Pneumonia (all forms) ... ..				...	1	...	1	2	1	1	1	2	7
Diarrhoea ... ..				...	...	...	...	...	...	...	...	...	...
Enteritis ... ..				...	...	...	...	...	3	...	...	...	3
Gastritis ... ..				...	...	...	1	1	1	...	...	...	2
Syphilis ... ..				...	...	...	...	...	...	...	...	...	...
Rickets ... ..				...	...	...	...	...	...	...	...	...	...
Suffocation (overlying) ... ..				...	...	...	...	...	...	...	...	...	...
Injury at Birth ... ..				...	...	...	...	...	...	...	...	...	...
Atelectasis				1	...	...	...	1	...	...	...	...	1
Congenital Malformations (c)				1	1	...	...	2	1	...	...	...	3
Premature Birth				16	3	1	1	21	2	...	...	...	23
Atrophy, Debility and Marasmus				4	...	1	...	5	3	...	...	...	8
Other Causes				2	1	1	...	4	2	1	1	...	8
Totals				25	6	5	3	39	17	4	7	7	74

Nett Births in the year—legitimate, 769; Illegitimate, 60. Nett deaths in the year of legitimate infants, 59; illegitimate infants, 15.

NOTES.

- The total in the last column of Table IV. should equal the total in column 10 of Table I, and in column 3 of Table III.
- Under Abdominal Tuberculosis are to be included deaths from Tuberculous Peritonitis and Enteritis and from Tabes Mesenterica.
- The total deaths from Congenital Malformations, Premature Birth, Atrophy, Debility, and Marasmus, should equal the total in Table III., for ages under 1 year, under the heading Congenital Debility and Malformation, including Premature Birth.
Want of Breast Milk should be included under Atrophy and Debility.
- For references to the meaning of any other headings, see Notes attached to Table III.

In recording the facts under the various headings of Tables I., II., III. and IV., attention has been given to the notes on the Tables.

JAMES M. COWIE, Medical Officer of Health.

INFANT MORTALITY, 1918.

Net Deaths from stated causes at various Ages under Year of A

1918

CAUSES OF DEATH.		Under						Total	1-3	4-6	7-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99	100-104	105-109	110-114	115-119	120-124	125-129	130-134	135-139	140-144	145-149	150-154	155-159	160-164	165-169	170-174	175-179	180-184	185-189	190-194	195-199	200-204	205-209	210-214	215-219	220-224	225-229	230-234	235-239	240-244	245-249	250-254	255-259	260-264	265-269	270-274	275-279	280-284	285-289	290-294	295-299	300-304	305-309	310-314	315-319	320-324	325-329	330-334	335-339	340-344	345-349	350-354	355-359	360-364	365-369	370-374	375-379	380-384	385-389	390-394	395-399	400-404	405-409	410-414	415-419	420-424	425-429	430-434	435-439	440-444	445-449	450-454	455-459	460-464	465-469	470-474	475-479	480-484	485-489	490-494	495-499	500-504	505-509	510-514	515-519	520-524	525-529	530-534	535-539	540-544	545-549	550-554	555-559	560-564	565-569	570-574	575-579	580-584	585-589	590-594	595-599	600-604	605-609	610-614	615-619	620-624	625-629	630-634	635-639	640-644	645-649	650-654	655-659	660-664	665-669	670-674	675-679	680-684	685-689	690-694	695-699	700-704	705-709	710-714	715-719	720-724	725-729	730-734	735-739	740-744	745-749	750-754	755-759	760-764	765-769	770-774	775-779	780-784	785-789	790-794	795-799	800-804	805-809	810-814	815-819	820-824	825-829	830-834	835-839	840-844	845-849	850-854	855-859	860-864	865-869	870-874	875-879	880-884	885-889	890-894	895-899	900-904	905-909	910-914	915-919	920-924	925-929	930-934	935-939	940-944	945-949	950-954	955-959	960-964	965-969	970-974	975-979	980-984	985-989	990-994	995-999	1000-1004	1005-1009	1010-1014	1015-1019	1020-1024	1025-1029	1030-1034	1035-1039	1040-1044	1045-1049	1050-1054	1055-1059	1060-1064	1065-1069	1070-1074	1075-1079	1080-1084	1085-1089	1090-1094	1095-1099	1100-1104	1105-1109	1110-1114	1115-1119	1120-1124	1125-1129	1130-1134	1135-1139	1140-1144	1145-1149	1150-1154	1155-1159	1160-1164	1165-1169	1170-1174	1175-1179	1180-1184	1185-1189	1190-1194	1195-1199	1200-1204	1205-1209	1210-1214	1215-1219	1220-1224	1225-1229	1230-1234	1235-1239	1240-1244	1245-1249	1250-1254	1255-1259	1260-1264	1265-1269	1270-1274	1275-1279	1280-1284	1285-1289	1290-1294	1295-1299	1300-1304	1305-1309	1310-1314	1315-1319	1320-1324	1325-1329	1330-1334	1335-1339	1340-1344	1345-1349	1350-1354	1355-1359	1360-1364	1365-1369	1370-1374	1375-1379	1380-1384	1385-1389	1390-1394	1395-1399	1400-1404	1405-1409	1410-1414	1415-1419	1420-1424	1425-1429	1430-1434	1435-1439	1440-1444	1445-1449	1450-1454	1455-1459	1460-1464	1465-1469	1470-1474	1475-1479	1480-1484	1485-1489	1490-1494	1495-1499	1500-1504	1505-1509	1510-1514	1515-1519	1520-1524	1525-1529	1530-1534	1535-1539	1540-1544	1545-1549	1550-1554	1555-1559	1560-1564	1565-1569	1570-1574	1575-1579	1580-1584	1585-1589	1590-1594	1595-1599	1600-1604	1605-1609	1610-1614	1615-1619	1620-1624	1625-1629	1630-1634	1635-1639	1640-1644	1645-1649	1650-1654	1655-1659	1660-1664	1665-1669	1670-1674	1675-1679	1680-1684	1685-1689	1690-1694	1695-1699	1700-1704	1705-1709	1710-1714	1715-1719	1720-1724	1725-1729	1730-1734	1735-1739	1740-1744	1745-1749	1750-1754	1755-1759	1760-1764	1765-1769	1770-1774	1775-1779	1780-1784	1785-1789	1790-1794	1795-1799	1800-1804	1805-1809	1810-1814	1815-1819	1820-1824	1825-1829	1830-1834	1835-1839	1840-1844	1845-1849	1850-1854	1855-1859	1860-1864	1865-1869	1870-1874	1875-1879	1880-1884	1885-1889	1890-1894	1895-1899	1900-1904	1905-1909	1910-1914	1915-1919	1920-1924	1925-1929	1930-1934	1935-1939	1940-1944	1945-1949	1950-1954	1955-1959	1960-1964	1965-1969	1970-1974	1975-1979	1980-1984	1985-1989	1990-1994	1995-1999	2000-2004	2005-2009	2010-2014	2015-2019	2020-2024	2025-2029	2030-2034	2035-2039	2040-2044	2045-2049	2050-2054	2055-2059	2060-2064	2065-2069	2070-2074	2075-2079	2080-2084	2085-2089	2090-2094	2095-2099	2100-2104	2105-2109	2110-2114	2115-2119	2120-2124	2125-2129	2130-2134	2135-2139	2140-2144	2145-2149	2150-2154	2155-2159	2160-2164	2165-2169	2170-2174	2175-2179	2180-2184	2185-2189	2190-2194	2195-2199	2200-2204	2205-2209	2210-2214	2215-2219	2220-2224	2225-2229	2230-2234	2235-2239	2240-2244	2245-2249	2250-2254	2255-2259	2260-2264	2265-2269	2270-2274	2275-2279	2280-2284	2285-2289	2290-2294	2295-2299	2300-2304	2305-2309	2310-2314	2315-2319	2320-2324	2325-2329	2330-2334	2335-2339	2340-2344	2345-2349	2350-2354	2355-2359	2360-2364	2365-2369	2370-2374	2375-2379	2380-2384	2385-2389	2390-2394	2395-2399	2400-2404	2405-2409	2410-2414	2415-2419	2420-2424	2425-2429	2430-2434	2435-2439	2440-2444	2445-2449	2450-2454	2455-2459	2460-2464	2465-2469	2470-2474	2475-2479	2480-2484	2485-2489	2490-2494	2495-2499	2500-2504	2505-2509	2510-2514	2515-2519	2520-2524	2525-2529	2530-2534	2535-2539	2540-2544	2545-2549	2550-2554	2555-2559	2560-2564	2565-2569	2570-2574	2575-2579	2580-2584	2585-2589	2590-2594	2595-2599	2600-2604	2605-2609	2610-2614	2615-2619	2620-2624	2625-2629	2630-2634	2635-2639	2640-2644	2645-2649	2650-2654	2655-2659	2660-2664	2665-2669	2670-2674	2675-2679	2680-2684	2685-2689	2690-2694	2695-2699	2700-2704	2705-2709	2710-2714	2715-2719	2720-2724	2725-2729	2730-2734	2735-2739	2740-2744	2745-2749	2750-2754	2755-2759	2760-2764	2765-2769	2770-2774	2775-2779	2780-2784	2785-2789	2790-2794	2795-2799	2800-2804	2805-2809	2810-2814	2815-2819	2820-2824	2825-2829	2830-2834	2835-2839	2840-2844	2845-2849	2850-2854	2855-2859	2860-2864	2865-2869	2870-2874	2875-2879	2880-2884	2885-2889	2890-2894	2895-2899	2900-2904	2905-2909	2910-2914	2915-2919	2920-2924	2925-2929	2930-2934	2935-2939	2940-2944	2945-2949	2950-2954	2955-2959	2960-2964	2965-2969	2970-2974	2975-2979	2980-2984	2985-2989	2990-2994	2995-2999	3000-3004	3005-3009	3010-3014	3015-3019	3020-3024	3025-3029	3030-3034	3035-3039	3040-3044	3045-3049	3050-3054	3055-3059	3060-3064	3065-3069	3070-3074	3075-3079	3080-3084	3085-3089	3090-3094	3095-3099	3100-3104	3105-3109	3110-3114	3115-3119	3120-3124	3125-3129	3130-3134	3135-3139	3140-3144	3145-3149	3150-3154	3155-3159	3160-3164	3165-3169	3170-3174	3175-3179	3180-3184	3185-3189	3190-3194	3195-3199	3200-3204	3205-3209	3210-3214	3215-3219	3220-3224	3225-3229	3230-3234	3235-3239	3240-3244	3245-3249	3250-3254	3255-3259	3260-3264	3265-3269	3270-3274	3275-3279	3280-3284	3285-3289	3290-3294	3295-3299	3300-3304	3305-3309	3310-3314	3315-3319	3320-3324	3325-3329	3330-3334	3335-3339	3340-3344	3345-3349	3350-3354	3355-3359	3360-3364	3365-3369	3370-3374	3375-3379	3380-3384	3385-3389	3390-3394	3395-3399	3400-3404	3405-3409	3410-3414	3415-3419	3420-3424	3425-3429	3430-3434	3435-3439	3440-3444	3445-3449	3450-3454	3455-3459	3460-3464	3465-3469	3470-3474	3475-3479	3480-3484	3485-3489	3490-3494	3495-3499	3500-3504	3505-3509	3510-3514	3515-3519	3520-3524	3525-3529	3530-3534	3535-3539	3540-3544	3545-3549	3550-3554	3555-3559	3560-3564	3565-3569	3570-3574	3575-3579	3580-3584	3585-3589	3590-3594	3595-3599	3600-3604	3605-3609	3610-3614	3615-3619	3620-3624	3625-3629	3630-3634	3635-3639	3640-3644	3645-3649	3650-3654	3655-3659	3660-3664	3665-3669	3670-3674	3675-3679	3680-3684	3685-3689	3690-3694	3695-3699	3700-3704	3705-3709	3710-3714	3715-3719	3720-3724	3725-3729	3730-3734	3735-3739	3740-3744	3745-3749	3750-3754	3755-3759	3760-3764	3765-3769	3770-3774	3775-3779	3780-3784	3785-3789	3790-3794	3795-3799	3800-3804	3805-3809	3810-3814	3815-3819	3820-3824	3825-3829	3830-3834	3835-3839	3840-3844	3845-3849	3850-3854	3855-3859	3860-3864	3865-3869	3870-3874	3875-3879	3880-3884	3885-3889	3890-3894	3895-3899	3900-3904	3905-3909	3910-3914	3915-3919	3920-3924	3925-3929	3930-3934	3935-3939	3940-3944	3945-3949	3950-3954	3955-3959	3960-3964	3965-3969	3970-3974	3975-3979	3980-3984	3985-3989	3990-3994	3995-3999	4000-4004	4005-4009	4010-4014	4015-4019	4020-4024	4025-4029	4030-4034	4035-4039	4040-4044	4045-4049	4050-4054	4055-4059	4060-4064	4065-4069	4070-4074	4075-4079	4080-4084	4085-4089	4090-4094	4095-4099	4100-4104	4105-4109	4110-4114	4115-4119	4120-4124	4125-4129	4130-4134	4135-4139	4140-4144	4145-4149	4150-4154	4155-4159	4160-4164	4165-4169	4170-4174	4175-4179	4180-4184	4185-4189	4190-4194	4195-4199	4200-4204	4205-4209	4210-4214	4215-4219	4220-4224	4225-4229	4230-4234	4235-4239	4240-4244	4245-4249	4250-4254	4255-4259	4260-4264	4265-4269	4270-4274	4275-4279	4280-4284	4285-4289	4290-4294	4295-4299	4300-4304	4305-4309	4310-4314	4315-4319	4320-4324	4325-4329	4330-4334	4335-4339	4340-4344	4345-4349	4350-4354	4355-4359	4360-4364	4365-4369	4370-4374	4375-4379	4380-4384	4385-4389	4390-4394	4395-4399	4400-4404	4405-4409	4410-4414	4415-4419	4420-4424	4425-4429	4430-4434	4435-4439	4440-4444	4445-4449	4450-4454	4455-4459	4460-4464	4465-4469	4470-4474	4475-4479	4480-4484	4485-4489	4490-4494	4495-4499	4500-4504	4505-4509	4510-4514	4515-4519	4520-4524	4525-4529	4530-4534	4535-4539	4540-4544	4545-4549	4550-4554	4555-4559	4560-4564	4565-
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Annual Report of the Medical Officer of Health for the Year 1919.

For the **COUNTY BOROUGH OF BURTON-ON-TRENT.**

On the Administration of the Factory and Workshop Act, 1901, in connection with
Factories, Workshops, Workplaces, and Homework.

1.—INSPECTION OF FACTORIES, WORKSHOPS AND WORKPLACES.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises. (1)	Number of		
	Inspections. (2)	Written Notices. (3)	Prosecutions (4)
Factories (including Factory Laundries)	25	6	...
Workshops (including Workshop Laundries)	217	17	...
Workplaces (other than Outworkers' premises included in Part 3 of this Report) ... ..	...	...	...
Total	242	23	...

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

Particulars. (1)	Number of Defects.			Number of Prosecutions (5)	
	Found. (2)	Remedied. (3)	Referred to H.M. Inspector. (4)		
<i>Nuisances under the Public Health Acts :—</i>					
Want of cleanliness	3	3	...	...
Want of ventilation	0	0	...	...
Overcrowding	2	2	...	...
Want of drainage of floors	0	0	...	...
Other Nuisances	8	7	...	...
Sanitary accommoda- tion {	insufficient	1	...	...
	unsuitable or				
	defective .	8	8
	not separate for sexes...	1	1
<i>Offences under the Factory and Workshop Act.</i>					
Illegal occupation of underground bake- houses (s. 101) ... ..	...	...	...	...
Breach of special sanitary requirements for bakehouses (ss. 97 to 100)	2	2	...	...
Other offences (Excluding offences relating to outwork which are included in Part 3 of this Report) ... ..	...	...	...	...
Total	25	24	...	...

3.—HOME WORK.

NATURE OF WORK.	OUTWORKERS' LISTS, SECTION 107.				OUTWORK IN INFECTED PREMISES, SECTIONS 109, 110	
	Lists received from Employers.					
	Sending twice in the year.		Sending once in the year.		Instances.	
	Lists.	Out- workers.	Lists.	Out- workers.		
		Workmen.		Workmen		
Wearing Apparel—						
(1) making, &c.	22	79	3	3	3	
(2) cleaning and washing	4	96	...	...	2	
Lace, lace curtains and nets	4	61	...	...	3	
Sacks	12	88	...	...	...
Total	42	324	3	3	8	

4.—REGISTERED WORKSHOPS.


Workshops on the Register (s. 131) at the end of the year.	Number.
Bakehouses	18
Dress and Mantle Makers, Millinery, Tailors	70
Boot and Shoe Repairers, Cloggers, Saddlers	31
Cabinet Makers, Joiners, Picture Framers, Photographers	19
Blacksmiths, Tinsmiths, Cycle Repairers, &c.	23
Plumbers, Painters, French Polishers, &c.	14
Coopers, Carriage Builders, Wheelwrights	10
Upholsterers, Carpets, Rope Makers, Brush and Basket Makers	9
Hosiery, Corsets, Lace Repairers, Furriers	6
Watchmakers, Jewellers, Opticians	11
Bottlers, Cattle Food, Sugar Boilers	2
Stonemasons, Fireproof Partition Makers	5
Marine Store Dealers	4
Miscellaneous	7
Total number of Workshops on Register	229

5.—OTHER MATTERS.

Class.	Number.
Matters notified to H.M. Inspector of Factories :—	
Failure to affix Abstract of the Factory and Workshops Acts (s. 133 1901)	...
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (s. 5)	5
Other	6
Underground Bakehouses (s. 101)—	
In use at the end of the year ... ..	...

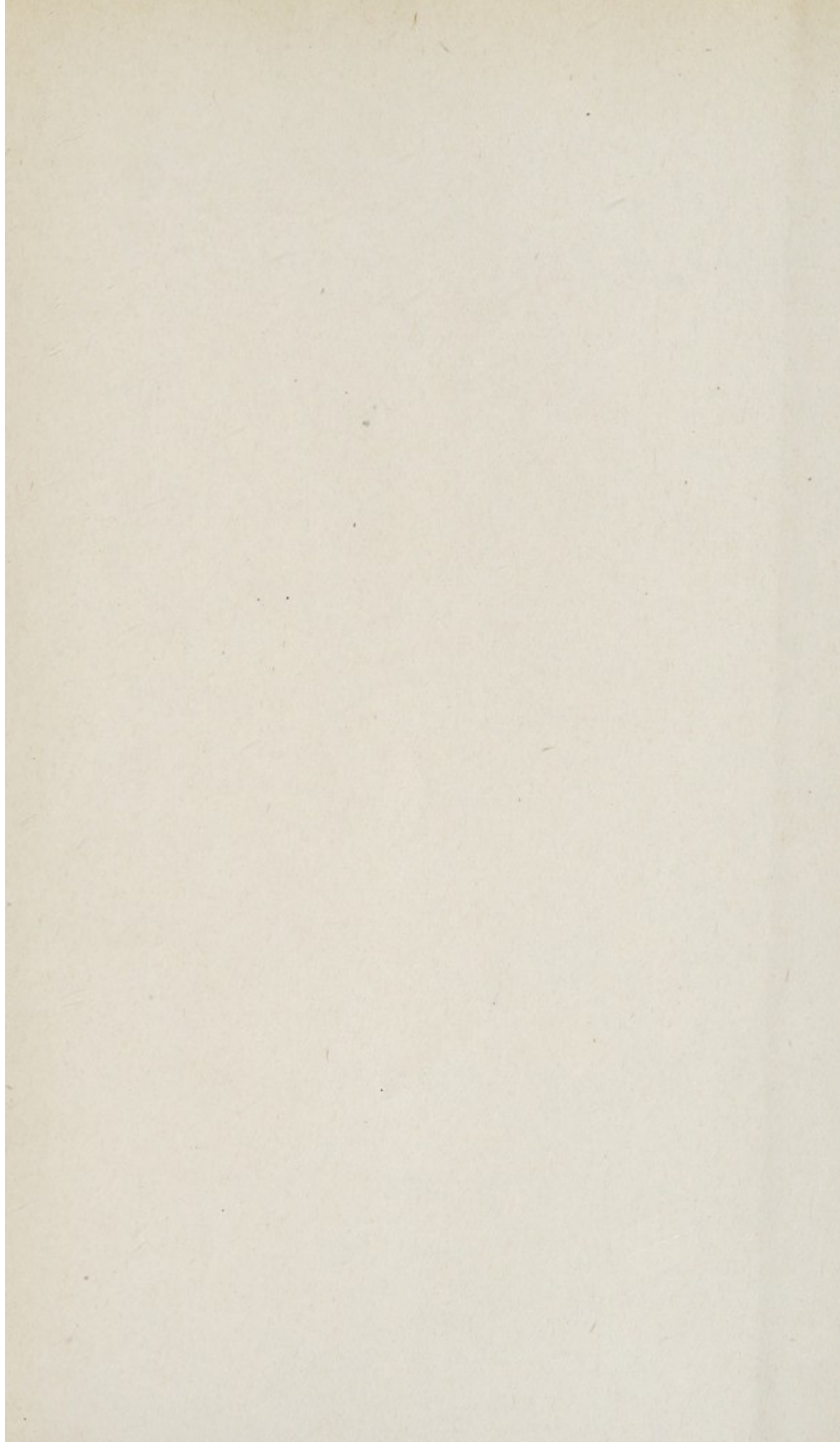
County Borough of Burton-on-Trent.

CAUSES OF, AND AGES AT, DEATH DURING THE YEAR 1919.

Causes of Death.	Nett deaths at the subjoined ages of "Residents" whether occurring within or without the District (a)								
	All Ages.	Under 1 year.	1 and under 2 yrs.	2 and under 5 yrs.	5 and under 15 yrs.	15 and under 25 yrs.	25 and under 45 yrs.	45 to 65	65 up- wards
1	2	3	4	5	6	7	8	9	10
All Causes	645	74	11	16	25	19	90	163	247
Enteric Fever.....	...	...	...	...	...	...	...	...	...
Small-pox .....	...	...	...	...	...	...	...	...	...
Measles	5	2	2	1	...	...	...	...	...
Scarlet Fever.....	3	...	...	1	2	...	...	...	...
Whooping Cough .....	...	...	...	...	...	...	...	...	...
Diphtheria and Croup	2	...	...	2	...	...	...	...	...
Influenza.....	36	...	...	1	2	4	9	15	5
Erysipelas	1	...	...	...	...	...	...	1	...
Phthisis (Pulmonary ) Tuberculosis)	47	...	...	...	3	7	20	14	3
Tuberculous Meningitis	2	1	...	...	1	...	...	...	...
Other Tuberculous Diseases...	8	1	1	1	4	...	...	1	...
Cancer, malignant disease...	64	...	...	...	...	...	6	29	29
Rheumatic Fever	1	...	...	...	...	...	...	1	...
Meningitis. <i>See note (d)</i>	4	...	1	...	2	...	1	...	...
Organic Heart Disease.....	76	...	...	...	...	...	8	32	36
Bronchitis	74	11	3	1	...	...	6	8	45
Pneumonia (all forms)	35	7	1	5	3	2	9	5	3
Other diseases of res- piratory organs	10	...	...	3	1	1	1	1	3
Diarrhoea and Enteritis (<i>See Note (e)</i>)	9	3	1	1	...	...	...	2	2
Appendicitis and Typhlitis ...	1	...	...	...	...	...	...	1	...
Cirrhosis of Liver ...	5	...	...	...	...	...	1	...	4
Alcoholism .....	...	...	...	...	...	...	...	...	...
Nephritis and Bright's Disease	12	...	...	...	1	...	4	4	3
Puerperal Fever.....	...	...	...	...	...	...	...	...	...
Other accidents & diseases of Pregnancy and Par- turition	6	...	...	...	...	...	6	...	...
Congenital Debility and Malformation includ- ing Premature Birth...	39	39	...	...	...	...	...	...	...
Violent Deaths, excluding Suicide	8	1	...	...	1	1	2	1	2
Suicide	3	...	...	...	...	...	1	2	...
Other Defined Diseases.....	192	9	2	...	5	4	16	44	112
Diseases ill-defined or un- known	2	...	...	...	...	...	...	2	..

County Borough of Burton-on-Trent.
CAUSES OF, AND AGES AT, DEATH DURING THE YEAR 1919.

Causes of Death.							Next deaths at the unjoined ages of "Infants" with occurring within or without the District (a)	
	All Ages.	Under 1 year.	1 and 2 yrs.	2 and 5 yrs.	5 and 15 yrs.	15 and 25 yrs.	25 and 45 yrs.	45 and 65 yrs.
All Causes	645	74	11	16	25	19	90	11
Enteric Fever .....	...	...	...	...	...	...	...	...
Scarlet Fever	3	3	2	1	...	...	...	...
Whooping Cough .....	...	...	...	...	...	...	...	...
Diphtheria and Croup	2	...	...	2	...	...	...	...
Influenza	30	...	...	1	2	4	8	1
Erysipelas	1	...	...	...	...	...	...	...
Pneumonia (Pneumonia)	47	...	...	...	2	7	20	1
Tuberculosis	2	1	...	...	1	...	...	...
Tuberculous Meningitis	2	1	1	1	4	...	...	...
Other Tuberculous Diseases	64	...	...	...	...	...	8	2
Cancer, malignant disease	1	...	...	...	...	...	...	...
Rheumatic Fever	4	...	1	...	2	...	1	...
Meningitis (See note (b))	70	11	3	1	...	...	8	3
Organic Heart Disease	74	...	...	...	...	...	8	1
Bronchitis	25	7	1	2	3	2	9	1
Pneumonia (all forms)	10	...	...	3	1	1	1	...
Other diseases of respiratory organs	9	3	1	1	...	...	...	...
Diphtheria and Enteritis	1	...	...	...	...	...	...	...
(See Note (c))	1	...	...	...	...	...	...	...
Appendicitis and Typhlitis	3	...	...	...	...	...	1	...
Carcinoma of Liver .....	...	...	...	...	...	...	...	...
Alcoholism	12	...	...	...	1	...	4	...
Nephritis and Bright's Disease .....	...	...	...	...	...	...	...	...
Peripneumonia .....	...	...	...	...	...	...	...	...
Other accidents & diseases of pregnancy and Puerperal Fever	8	...	...	...	...	...	8	...
Constitutional Dehiscence and Malformation Involving Premature Birth	20	...	...	...	...	...	...	...
Violent Death, excluding Poisons	2	1	...	...	1	1	2	...
Poisons	3	...	...	...	...	...	1	...
Other Unnatural Diseases	102	8	2	...	5	4	16	4
Diseases ill-defined or unknown	2	...	...	...	...	...	...	...

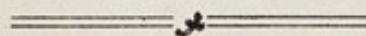


ANNUAL REPORT

OF THE

SCHOOL MEDICAL

OFFICER.



BY

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

SCHOOL MEDICAL OFFICER.

Annual Report of the School Medical Officer.

TO THE LOCAL EDUCATION AUTHORITY, BURTON-ON-TRENT.

In July, 1916, the routine medical inspection of school children had to be abandoned owing to war conditions, but in 1919 it was found possible to resume the work and to carry out a full course of medical inspection of three age periods.

Dr. J. M. Clarke was appointed Assistant School Medical Officer, and commenced his duties on 24th March, 1919. Dr. Clarke left on December 6th, 1919, and was succeeded by Dr. Brinley R. Lloyd.

Number of Children. The average number of children on the roll for 1919 was 8,544, and the average number in attendance 7,422.

The figures for 1918 were 8,632 and 7,425 respectively.

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

(a) Routine cases examined	...	...	...	...	3,616
(b) Special cases examined in school			...	...	454
(c) Number of children examined and treated at School Clinic	...	...	...	...	460
(d) Number of children examined at School Clinic but not treated there	...	...	...	...	265

(e) Number of children treated for defective vision at the Clinic (Not included in " c ")	...	...	141
(f) Number of defective children re-examined in school or school clinic	...	...	1,203
(g) Number of inspections for cleanliness by School Nurse	...	...	3,442
(h) Number of home visits paid by the School Nurse...			352

ROUTINE INSPECTION.

An effort was made during the year to complete the inspection of three age groups, viz., (a) all children between 12 and 13 years of age together with children over 13 years of age who had not already been examined after reaching the age of 12.

(b) All children between 8 and 9 years of age.

(c) Children admitted since the 1st April, 1918.

As there had been no routine medical inspection for about three years, it will be evident that in the leaving age group there would be included a large number of children over 13 years of age.

Also among the entrants all children admitted since the 1st April, 1918, up to the date of the inspection were examined, and here again there was examined a large number beyond the normal entrants for one year.

The figures are given in Table 1, but are more clearly set forth here.

(a) Number examined in leaving age group	...	1,288
(b) Number examined between 8 and 9 years of age	...	885
(c) Number examined in Entrants group	...	1,443

It will be seen from the above that there were about 1,000 more children examined in these routine age groups than are usually done in a normal year.

In addition, about three months had elapsed at the beginning of the year before Dr. Clarke was appointed, and these extra inspections had to be put in in the remaining 9 months.

For these reasons it was not found possible to give the usual amount of time to re-inspections of defective children, and the usual information is not available for this report in as complete a degree as usual as to the number of defects remedied and the results of treatment.

SPECIAL CASES.

Of the special cases 454 were examined in school, 460 were examined and treated at the School Clinic, while 265 were examined at the School Clinic but not treated there, a total of 1,179.

Total number of Individual Children Inspected.—It is not possible to give the exact number of individual children inspected during the year 1919 without a tremendous amount of work, and in the numbers given it must be understood that there is some overlapping between the special cases and routine cases as regards the number of individual children.

Attendance of Parents or Guardians. Parents or guardians attended in 1,027 instances, which is equal to 28 per cent. of the total.

The proportion varied from 51 per cent in the entrants, to 18 per cent in the Intermediates, and 10 per cent in the Leavers.

TABLE I.

Number of children inspected from 1st January, 1919, to
31st December, 1919.

A.—ROUTINE MEDICAL INSPECTION.

Age.			ENTRANTS.					Total.
			3	4	5	6	Other Ages.	
Boys	...	...	93	214	245	132	42	726
Girls	...	...	88	216	258	131	24	717
Totals	...	...	181	430	503	263	66	1443

		Inter- mediate) Group.		LEAVERS.			Other Ages.	Total	Grand Total.
		8	9	12	13	14			
Boys	...	430	19	449	162	28	4	1092	1818
Girls	...	409	27	414	183	43	5	1081	1798
Totals	...	839	46	863	345	71	9	2173	3616

B.—SPECIAL CASES.

Age.			Special Cases.	Re-Examinations (i.e., No. of Children Re-examined).
Boys	...	...	1179	1203
Girls	...	...
Totals	...	...	1179	1203

TABLE II.

Return of Defects found in the course of Medical Inspection 1919.

DEFECT OR DISEASE.	CODE GROUPS.		SPECIALS.	
(1)	Number referred for treatment.	Number requiring to be kept under observation but not referred for treatment.	Number referred for treatment.	Number requiring to be kept under observation but not referred for treatment.
(1)	(2)	(3)	(4)	(5)
Malnutrition	1	4	18	1
Uncleanliness Head	183	25	18	30
Body	6	0	5	12
Ringworm—Head	3	0	25	6
Body	0	0	14	4
Skin { Scabies	10	0	73	24
{ Impetigo	7	5	181	26
Other Disease	1	3	96	22
Eye { Defective Vision and Squint... ..	171	36	71	3
{ External Eye Disease	17	15	22	8
Ear { Defective Hearing	39	68	9	12
{ Ear Disease	3	5	32	1
Teeth—Dental Disease	48	24	1	2
Nose { Enlarged Tonsils	158	51	19	7
and { Adenoids	9	5	8	1
Throat { Enlarged Tonsils and Adenoids	26	35	17	6
Defective Speech	2	1	0	1
Heart { Heart Disease:				
and { Organic	49	7	1	6
Circulation. { Functional	6	2	0	3
Anæmia	15	31	0	29
Pulmonary Tuberculosis:				
Definite	4	0	1	9
Lungs { Suspected	18	51	6	6
Chronic Bronchitis	9	8	1	6
Other Diseases	7	5	0	1
Nervous { Epilepsy	4	3	0	3
System. { Chorea	1	0	0	2
Other Diseases	0	0	0	1
Non-Pulmonary Tuberculosis:				
Glands	10	6	1	0
Bones and Joints	2	2	0	0
Other Forms	4	5	1	0
Rickets	2	0	1	0
Deformities	6	4	12	3
Other Defects or Diseases	45	26	10	67

TABLE IV.

CONDITION.	No. of Defects found for which Treatment was considered necessary.			No. of Defects for which no report is available.	No. of Defects Treated.	Results of Treatment.			No. of Defects not treated.	Percentage of Defects treated.
	From previous Years.	New.	Total			Remedied.	Improved.	Unchanged.		
Clothing	2	17	19	7	12	6	3	3	...	63.15
Footgear	3	12	15	9	6	4	2	...	...	40.00
Cleanliness of Head	33	201	234	127	96	42	40	14	11	41.02
Cleanliness of Body	10	11	21	5	16	10	5	1	...	76.19
Nutrition	5	18	23	9	14	5	7	2	...	60.87
Nose and Throat ...	17	237	254	191	29	14	13	2	34	11.42
External Eye Disease	9	39	48	22	22	11	8	3	4	45.83
Ear Disease	12	35	47	10	37	20	12	5	...	78.72
Teeth	8	49	57	39	5	1	4	...	13	8.77
Heart and Circulation	20	71	91	64	26	6	15	5	1	28.57
Lungs	2	46	48	22	25	3	18	4	1	52.08
Nervous System ...	6	5	11	2	8	5	3	...	1	72.73
Skin	24	410	434	23	411	380	31	...	...	94.70
Rickets	3	3	6	3	...	...	...	...	3	...
Deformities	7	18	25	8	17	...	16	1	...	68.00
Tb (Non-Pul.) ...	15	18	33	17	16	4	10	2	...	48.48
Speech ... ..	...	2	2	1	...	...	...	...	1	...
Mental Condition ...	8	6	14	4	4	...	2	2	6	28.57
Vision and Squint ...	1	242	243	24	214	155	36	23	5	88.06
Hearing	61	48	109	70	30	9	13	8	9	21.10
Miscellaneous	22	55	77	16	61	33	24	4	...	79.22
TOTAL	268	1543	1811	673	1049	708	262	79	89	57.92

TABLE V. **Inspection, Treatment, &c., of Children during 1919.**

The total number of children medically inspected (whether Code Group, special, or ailing child) ...					4,795
2.	The number of children in (I.) suffering from defects (other than cleanliness or defective clothing or footgear) who require to be kept under observa- tion (but not referred for treatment) ...				101
3.	The number of children in (I.) who were referred for treatment (excluding cleanliness, defective clothing, &c.) ...				1,150
4.	The number of children in (3) who received treatment for one or more defects (excluding uncleanness, defective clothing, etc.) ...				883

HEIGHT AND WEIGHT.—Boys.

Age last Birthday.	Number Examined.	Average Height.		Average Weight.	
		Centimetres.	Inches.	Kilogrammes	Pounds.
3.....	93	92·5	36·4	15·0	33·1
4.....	214	98·95	38·95	16·55	36·5
5.....	245	106·45	41·95	17·7	39·05
6.....	132	109·9	43·25	19·4	42·75
7.....	42	109·8	43·2	20·15	44·4
8.....	430	121·2	47·7	22·98	50·65
9.....	19	123·5	48·6	23·88	52·6
12.....	449	140·00	55·1	32·65	71·95
13.....	162	144·35	56·85	35·25	77·7
14.....	28	153·4	60·4	41·52	91·55
Other Ages	4				
Total ...	1818				

GIRLS.

Age last Birthday.	Number Examined.	Average Height.		Average Weight.	
		Centimetres.	Inches.	Kilogrammes	Pounds.
3.....	88	92·65	36·45	14·7	32·4
4.....	216	98·1	38·65	15·95	35·15
5.....	258	103	40·55	17·05	37·6
6.....	131	107·7	42·4	18·35	40·45
7.....	24	114·7	45·15	20·6	45·4
8.....	409	120·14	47·3	22·18	48·9
9.....	27	120·93	47·6	22·38	49·35
12.....	414	140·7	55·4	32·63	71·95
13.....	183	145·61	57·3	35·53	78·3
14.....	43	153·4	60·4	41·34	91·15
Other Ages	5				
Total ...	1798				

Cleanliness. During the year the School Nurse examined 3,442 children in school for cleanliness. The reports were by no means so favourable as usual, and there appears to be no doubt that since the routine inspections were dropped there has been a considerable deterioration in this respect.

It is hoped that during the coming year it will be possible to regain and even to improve on our former standard.

There were no prosecutions under the Bye-laws for non-attendance after exclusion on account of verminous conditions, and no notices served under Section 122 of the Children Act, 1908, but 18 families were reported to the National Society for the Prevention of cruelty to Children because the children were in a ver-

minous and neglected condition. The action taken by the Inspector to the Society always resulted in a considerable improvement in the condition of the children, although no legal proceedings were instituted.

Defective Vision. During the year 242 children were referred for eye defects of such a nature as would make refraction advisable.

Of that number 141 were examined at the eye clinic, and 57 were treated by private practitioners or at the eye department at the Infirmary, and 16 otherwise.

In a few instances the children attended both the eye department at the Infirmary, and the eye clinic.

5 had not been examined at the end of December, but were examined in January, 1920, and are, therefore, not included in this report, and of 24 cases there are no records.

The number of children for whom it was necessary to prescribe glasses was 84 at the eye clinic, and 68 at the eye department at the Infirmary or otherwise, a total of 152.

In 150 cases the glasses were provided.

39 pairs of spectacles were given to necessitous cases from a special fund.

In 23 cases children were reported to the N.S.P.C.C. because the parents refused to take any action to remedy the defective vision of their children.

In all cases except one the spectacles have been provided.

School Clinic. The number of children treated at the School Clinic for minor ailments was 460, and the total number of attendances 6,647.

The following is a list of the diseases treated :—

Ringworm (Head)	...	...	...	...	22
„ (Body)	...	...	...	...	14
Scabies	...	...	...	...	68
Impetigo	...	...	...	...	178
Minor Injuries	...	...	...	...	7
Other skin diseases	...	...	...	...	94
Ear Disease	...	...	...	...	25
Eye Disease (external or otherwise)	...	...	...	...	13
Miscellaneous	...	...	...	...	20
Nits and Vermin	...	...	...	...	14
Body Vermin	...	...	...	...	5
Total					460

The results obtained were on the whole very good, especially if the children attended regularly as they did in most cases.

In a few instances it has been found very difficult to get the children to attend regularly, and in these cases the disease very often lingered for a prolonged period.

Seven cases of ringworm of the head treated at the clinic in the first instance were later treated by X-Rays.

Two families were reported to the N.S.P.C.C. for failing to obtain proper treatment for Scabies, one family was reported for failing to obtain proper treatment for Favus, and one family for refusing to bring the child to the School Clinic to have her hearing attended to.

Ringworm. During the year 28 fresh cases of Ringworm of the Head were discovered, and 14 cases of Ringworm of the Body.

10 cases of Ringworm of the Head received X-Ray treatment.

During part of the year the treatment of Ringworm by this method was rather uncertain owing to part of the apparatus having to be replaced and the delay in obtaining new parts.

Children Excluded. The number of children excluded from school by the School Medical Officers is given below under the heading of the defect which caused the exclusion :—

Sore Throat	...	...	...	...	8
Ringworm	...	...	...	...	20
Scabies	...	...	...	...	32
Impetigo	...	...	...	...	114
Other Skin Diseases	...	...	...	...	40
Head Vermin	...	...	...	...	41
Measles	...	...	...	...	3
Suspected Scarlet Fever	...	...	...	...	3
Chicken-pox	...	...	...	...	2
Mumps	...	...	...	...	12
Whooping Cough	...	...	...	...	1
Tuberculosis	...	...	...	...	30
Bronchitis	...	...	...	...	1
Acute Pneumonia	...	...	...	...	1
Diphtheria	...	...	...	...	1
Otorrhœa	...	...	...	...	5
Insufficient and Dirty Clothing	...	...	...	...	2
Other Conditions	...	...	...	...	61

Closure of Schools. In the second half of the year German Measles became very prevalent, and to prevent the spread of infection the following schools were closed for a period of 3 weeks :—Wetmore Road Infants, Victoria Road Infants, Uxbridge Street Infants, Broadway Infants, and Christ Church Infants.

About this time there also appeared to be a considerable number of cases of Measles.

Vaccination. The condition of the children regarding vaccination is given in the Table below. It will be seen that more than half the children below the age of 8 years are now unvaccinated.

Age Period.	Unvac- cinated.	VACCINATION.			
		1 mark.	2 marks.	3 marks.	4 marks or more.
Entrants ...	66·07	1·24	4·38	3·64	24·67
Children (Inter- mediate Group)	55·47	1·84	4·48	8·75	29·46
Leavers ...	21·12	3·88	8·85	12·97	53·18

Children's Care Committee. The following report has been received from Miss Elsie M. Lowe, Honorary Secretary to the Children's Care Committee on the cases dealt with during the year. The report shows the usual record of excellent work which is of much benefit to weakly children, and which must entail a considerable amount of effort to the ladies concerned.

The School Medical Officer desires to acknowledge the great assistance rendered by this Committee to the work of the School Medical Service.

CHILDREN'S CARE COMMITTEE REPORT.

The Children's Care Committee was re-appointed by the Education Committee in November, 1918, the members being as follows :—Mrs. Beale, Mrs. Birch, Mrs. Coxon, Mrs. Goodhead, Mrs. Green, Miss Miers, Mrs. Oakden, Mrs. Radford, Mrs. Sanders, and Miss E. M. Lowe, Honorary Secretary.

Mrs. Green and Mrs. Oakden were elected Chairman and Vice-Chairman respectively for the year.

In February, Mrs. Beale sent in her resignation, and Miss Evershed was appointed by the Education Committee to fill the vacancy.

The Committee has worked as in past years, under the guidance of the School Medical Officer, and with the assistance of the School Nurse, who attends meetings to present reports and to give information and advice concerning the cases.

During the year 69 cases were presented to the Committee and dealt with as follows :—

1. Girl aged 8, Sent to Orthopædic Hospital.
2. Boy „ 11, Sent to Hospital for Skin Diseases.
3. Boy „ 13, Sent to Convalescent Home.
4. Girl „ 8, Surgical Instrument procured.
5. Boy „ 6, Sent to Convalescent Home.
6. Girl „ 8, do.
7. Boy „ 7, Sent to Burton Infirmary.
8. Boy „ 5, Sent to Convalescent Home—Surgical Instrument procured.
9. Boy „ 8, Surgical Instrument procured.
10. Boy „ 12, Sent to Outwoods Sanatorium.
11. Girl „ 10, Sent to Outwoods Sanatorium and Convalescent Home.
12. Girl „ 6, Sent to Outwoods Sanatorium.
13. Boy „ 4, do.
14. Boy „ 6, Sent to Convalescent Home.
15. Boy „ 11, do.
16. Girl „ 9, Surgical Instrument procured.

- 17, Boy aged 7, Sent to Convalescent Home.
- 18, Boy „ 13, Sent to Droitwich.
- 19, Girl „ 11, Sent to Convalescent Home.
- 20, Boy „ 13, do.
- 21, Boy „ 10, do.
- 22, Boy „ 7, Sent to Outwoods Sanatorium.
- 23, Boy „ 11, Sent to Convalescent Home.
- 24, Boy „ 9, Sent to Outwoods Sanatorium.
- 25, Boy „ 10, do.
- 26, Boy „ 8, Sent to Convalescent Home.
- 27, Girl „ 4, do.
- 28, Girl „ 6, Sent to Outwoods Sanatorium, and Rhyl.
- 29, Girl „ 13, Sent to Outwoods Sanatorium.
- 30, Girl „ 11, do.
- 31, Girl „ 9, Sent to Convalescent Home.
- 32, Girl „ 12, do.
- 33, Girl „ 12, do.
- 34, Boy „ 12, Sent to Outwoods Sanatorium.
- 35, Boy „ 10, Surgical Instrument procured.
- 36, Boy „ 4, Sent to Outwoods Sanatorium.
- 37, Girl „ 5, Sent to Convalescent Home.
- 38, Girl „ 13, do.
- 39, Boy „ 11, do.
- 40, Boy, „ 9, do.
- 41, Boy „ 12, do.
- 42, Boy „ 9, Sent to Orthopædic Hospital.
- 43, Boy „ 10, Surgical Instrument procured.
- 44, Boy „ 7, Sent into the Country.
- 45, Girl „ 10, Sent to Convalescent Home.
- 46, Boy „ 8, do.
- 47, Girl „ 11, Sent to Outwoods Sanatorium.
- 48, Boy „ 8, Sent to Convalescent Home.
- 49, Boy „ 9, Sent to Outwoods Sanatorium.
- 50, Boy „ 10, Sent to Convalescent Home.

- | | | | | |
|-----|------|------|-----|----------------------------------|
| 51. | Boy | aged | 9, | Sent to Convalescent Home. |
| 52. | Girl | „ | 5, | do. |
| 53. | Boy | „ | 12, | do. |
| 54. | Girl | „ | 15, | Sent to Burton Infirmary. |
| 55. | Boy | „ | 11, | Supervision given. |
| 56. | Girl | „ | 12, | Supervision given. |
| 57. | Girl | „ | 12, | Sent to Ear and Throat Hospital. |
| 58. | Girl | „ | 14, | Sent to Orthopædic Hospital. |
| 59. | Girl | „ | 8, | Sent to Burton Infirmary. |
| 60. | Girl | „ | 12, | Supervision given. |
| 61. | Girl | „ | 6, | Sent to Convalescent Home. |
| 62. | Boy | „ | 8, | do. |
| 63. | Boy | „ | 10, | do. |
| 64. | Girl | „ | 9, | Treatment refused. |
| 65. | Boy | „ | 6, | Sent to Convalescent Home. |
| 66. | Boy | „ | 9, | do. |
| 67. | Girl | „ | 10, | do. |
| 68. | Girl | „ | 13, | do. |
| 69. | Girl | „ | 6, | do. |

The Committee wishes to take this opportunity of thanking the Feoffees who kindly granted the sum of £25 at the beginning of the year in aid of this work, and to whom the Committee is also indebted for a large number of Convalescent Home tickets and grants for Sanatorium treatment.

The Voluntary Aid Association has again given assistance in providing railway fares for children visiting Hospitals and Convalescent Homes.

ELSIE M. LOWE,

Hon. Secretary.

Examination of Phthisis Contacts. The examination of children who are or have been recently living in contact with a case of Pulmonary Tuberculosis was continued during the year, but it was not found possible to carry out this examination so thoroughly as usual.

The examinations were made in school as a rule.

The number of such examinations during the year was 47, and the results are set out in the following Table :—

Number examined.	Number with no signs of Tuberculosis.	Number with suspicious signs.	Number with Tuberculosis.
Boys—19 ...	15	4	0
Girls—28 ...	22	4	2
Total—47 ...	37	8	2

Examination of Mentally Defective Children. Dr. Clarke carried out an examination of 36 children who at one time or another were stated to be mentally Defective.

The following Table shows his classification of the children as to the degree of defect from an educational standpoint.

Number examined.	Unfit for Special School.	Fit for Special School.	Fit for ordin- ary School.
Boys— 20 	2	8	10
Girls— 16 	3	8	5
Total 36 ...	5	16	15

As no special canvass of the schools was made this list can hardly be regarded as complete.

Employment of Children of School Age. I am indebted to Mr. Burgess, Director of Education, for the following information with reference to children employed out of school hours :—

SUMMARY OF CHILDREN EMPLOYED OUT OF SCHOOL HOURS.

Age.	Number of	
	Boys.	Girls.
6.....	1 ...	—
7.....	5 ...	2
8.....	16 ...	4
9.....	25 ...	12
10.....	44 ...	27
11.....	93 ...	21
12.....	121 ...	39
13.....	29 ...	14
14.....	3 ...	3
	<hr/> 337	<hr/> 122

Number of children working over 25 hours per week out of school hours : Boys 49 ; Girls 2.

Number of children engaged on work as classified below :—

Errands	...	...	...	...	154
Milk rounds	...	...	...	...	33
Bread rounds	...	...	...	...	8
Housework, page boy			...	...	36
Nursemaids	...	...	...	...	38
Assisting in shops	...	...	...	...	30
Selling or delivering papers	...	...	...	...	136
Billiard marker, superintending caddies					3
Gardening, on farms, and odd jobs.					21
					<hr/> 459 <hr/>

The above information refers to the month of May, 1919,

It was not possible during the year to make any special inquiries or examinations of these children.

The Work of the School Nurse. A large part of the time of the School Nurse was taken up in attending to the children at the School Clinic, and apart from assisting in the routine inspection, less time than usual was available for home visits and for supervision of children in school re cleanliness.

The Committee decided to appoint a second School Nurse, and Miss Morton was appointed and commenced her duties on December 15th, 1919.

The Education Committee also agreed to a combined scheme of Health Visiting and School and Tuberculosis Nursing, but this did not come into force until after the end of the year.

Miss Curley, who has done excellent work as School Nurse for four years, has now resigned, and leaves on April 30th, 1920.

Her work has always been done in a very pleasant and agreeable manner, and it is with much regret that we lose the benefit of her services.

Co-operation of the Teachers. The Head Teachers and their Assistants rendered much valuable help to the work of the School Medical Inspection during the year, and I have again to acknowledge with thanks their ever-ready and willing co-operation in this work.

J. M. COWIE,

School Medical Officer.