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Borough of Loughborough.



ANNUAL REPORTS

OF THE

Medical Officer of Health

AND

Inspector of Nuisances,

FOR THE

Year Ending 31st December, 1914.

LOUGHBOROUGH:
E. ARMSTRONG, PRINTER AND STATIONER,
MCMXV.

Report of Medical Officer of Health.

To the Town Council of the Borough of Loughborough.

GENTLEMEN,

I have the honour to present to you my Annual Report for the year 1914.

Area in Statute Acres, 3045.

Population (Census 1911), 22,990 (Estimated 24,000).

No. of Inhabited Houses, 6056.

Average number of Persons per house, 3.8.

The Borough of Loughborough is situated in the valley of the River Soar, west of that River, which forms the eastern boundary of the Borough. The ground levels vary from 120 feet above O.D. in the neighbourhood of the meadows adjoining the River, to 200 feet O.D. on the South-western side of the Borough. The district between the Leicester Canal and the River is comparatively level, whilst the remainder of the Borough is undulating. The Hermitage Brook drains the lower levels above referred to, and the Woodbrook and Burleigh Brook drain the higher levels towards the Charnwood Forest into the River Soar. The district to the North-east of the Midland Railway is practically unbuilt upon, the bulk of the property being built upon the higher levels. The subsoil in the lower levels is drift gravel overlying the Upper Keuper Marls, and varies in thickness from 5 to 20 feet, and the saturation level is found about 4 feet below the surface. In the remaining parts of the town the subsoil is practically the same, except that the thickness of the gravel varies very considerably, in certain parts of the town there being only a few inches, and in other parts it runs to from 10 to 15 feet, chiefly in "pockets." Subsoil water level would average 10 feet below the surface in the town other than the district east of the Midland Railway.

Occupation of Inhabitants.

The chief occupations are in hosiery and dyeing workshops. These employ a considerable proportion of female labour, but the health conditions of the hosiery and dyeing workshops of Loughborough will compare favourably with other towns of the same size. There are also several large engineering firms employing chiefly men; in these, the health conditions leave nothing to be desired.

The Water Supply.

The water supply of the district is derived from the uplands of the Charnwood Forest, a sparsely populated district, most of which is grass-land. The water has no plumbo-solvent action, and is collected from the sources of supply of the Blackbrook and Woodbrook, each stream having a separate Reservoir in which the water is stored. The Blackbrook watershed is the larger, as also is the Reservoir, and stands on a higher altitude so that the water gravitates therefrom to the Woodbrook Reservoir at Nanpantan, where ample means of filtration of the latest type are available to render the water free from all risk of pollution. The supply is ample and continuous, and I am pleased to be able to report that the Town Council have under consideration the extension of the mains to Knightthorpe Road so that the inhabitants of that district may have a supply of water for domestic purposes, free from any contamination or pollution, which should prove a great boon to this part of the district.

Rivers and Streams.

There is no pollution of rivers or streams from the Borough, as the Sewage effluent is good.

Sewerage and Drainage.

Sewage is disposed of at the farm by :—(1) Dortmund Tanks, by which a large amount of heavy sludge is extracted ; (2) by irrigation over a cultivated farm, in furrows, with a specially drained subsoil ; (3) by bacteria beds ; and (4) by broad irrigation.

The Sewage Farm and the works thereon have been acting satisfactorily during the year, and, now that the extensions to the Irrigation works have been completed, should be of ample capacity for the Borough for some considerable time to come.

The sewerage and drainage of the Borough is excellent and sufficient, with the exception of the Knightthorpe Road district, and I trust that the Highway Committee will carry out the necessary works as soon as possible. I am convinced that this is one of the most pressing matters requiring attention, because there is a considerable amount of pollution taking place in the neighbourhood.

Excrement Disposal.

This is accomplished by:— (1) the water carriage system; (2) pail closets; (3) common midden and privy arrangements. This last system, namely the midden-privy system is being gradually abolished, no such arrangement being permitted for new houses. During the last three years 307 middens have been converted to water-closets, with dust-bins and dry ashpits provided so that there is a regular weekly collection of household refuse.

Removal and Disposal of House Refuse.

This work is undertaken by the Corporation, and the Scavenging work has been satisfactorily accomplished. Pail closets and dust-bins are emptied weekly, middens when necessary, and I am pleased to say that these middens will probably all be abolished during the coming year.

Nuisances.

From the report of the Inspector of Nuisances hereto appended, it will be noticed that 414 nuisances of various kinds have been abated. Quite a large amount of Sanitary Work has been carried out during the year.

Food and Milk Supply.

The milk supply of the Borough is from the Farms of the district immediately surrounding it. The milk consumed is of good quality. The dairies and small cow-sheds of the Borough are all kept under constant supervision by the Sanitary Inspector and myself.

Frequent visits are made to slaughterhouses to ensure that the bye-laws are observed, and also to detect diseased meat in preparation for the food of man. The places are all kept in a clean condition and I am pleased to observe that several of the older ones are being practically re-constructed.

211 stones of beef, 53 stones of pork, 71 tins of tomatoes, 191 tins of salmon, 1 barrel and 1 tin of prawns, 4 baskets of black currants, 4 baskets of cherries, 200 lbs. of strawberries, 2 boxes of kippers, 12 cwt. of onions and 48 lbs. of loose tomatoes were condemned as unfit for food, and destroyed at the destructor during the year.

Infectious Diseases, Methods of dealing with:—

An Isolation Hospital is provided for cases of Enteric Fever and Diphtheria, and, where proper isolation cannot be carried out at home, of occasional cases of Scarlet Fever.

Disinfection is accomplished by:— (1) the Steam Disinfector at the Sewage Farm; (2) fumigation with Sulphur; and (3) spraying with Izal, formalin and perchloride of mercury.

Tuberculosis.

Public Health (Tuberculosis) Regulations, 1912.

This Council has arranged to come under the County Scheme for Sanatoria and Hospital treatment. Health visitors have been appointed to visit and advise all cases of Tuberculosis.

The rooms occupied by the patients are periodically disinfected by the Sanitary Inspector with Formalin, or when a removal takes place or a death occurs, the rooms are fumigated and the beds put through the Steam Disinfector.

Twenty-five specimens of sputa, etc., were forwarded to the Royal Institute of Public Health for bacteriological examination.

Midwives Act, 1902.

The County Council carry out this Act.

STATISTICS, &c. FOR THE YEAR ENDING DECEMBER 31st, 1914.

BOROUGH SURVEYOR'S DEPARTMENT.

Plans were approved for the following buildings:—

Houses	...	...	...	42
Alterations and additions to premises				8
W.C.'s	...	...	...	1
Warehouses and Garages			...	6
Dancing Hall	...	...	...	1
Temporary buildings	...	...	...	14
Workshops	...	...	...	3
Latrines	...	...	...	1
Wash-houses	...	...	...	4
Stables	...	...	...	2

The streets have been well watered and swept and the sewers regularly flushed with the flushing tank, and periodically cleansed.

Water Committee.

The policy of coupling up the water mains in the Borough, so as to increase circulation and pressure, has been steadily pursued during the year. As pointed out in a previous paragraph of this report, the mains should now be extended to Knightthorpe Road.

The watersheds have been regularly patrolled, and steps taken to prevent pollution of the streams yielding our supplies.

Rainfall for 1914.

Month.	Fall during month.		No. of days on which rain fell.
January	...	1.13	16
February	...	1.49	15
March	...	2.76	21
April	...	1.3	10
May	...	1.75	11
June	...	2.46	8
July	...	2.63	17
August	...	1.7	10
September	...	.66	9
October	...	2.33	13
November	...	4.54	20
December	...	5.7	20

Births.

The total number of births registered in the Borough was 517, which is 30 less than last year and is nearly equal to the average of the last five years, and is an annual birth rate of 21.5 per thousand. Of these 256 were boys and 261 girls. 17 of these births were illegitimate.

Mortality.

The total number of deaths registered in the Borough was 330, from which must be deducted 19 of persons not belonging to the Borough, and 10 added of Loughborough residents, which were registered outside the Borough, which gives the correct number of the deaths of Loughborough residents as 321, which is 13 less than last year, and is an annual death rate of 12.5.

Infantile Mortality.

The total number of deaths under 1 year is 52, which is 20 less than last year, and 3 below the average of the last five years, and is an infantile mortality of 100 per 1000 births registered.

The death ratio under 1 year of legitimate children born is 1 in 10, while that of illegitimate is 1 in 4.

Zymotic Mortality.

The total number of deaths from Zymotic Diseases, including influenza and diarrhœa is 62, being 29 more than last year.

Infectious Diseases Notified.

Diphtheria	...	...	29
Erysipelas	...	...	9
Scarlet Fever	...	...	99
Enteric Fever	...	...	12
Puerperal Fever	...	...	0
Pulmonary Tuberculosis	...	...	27
Other forms of „	...	...	8

Diphtheria and Membranous Croup.

29 cases of this disease were notified during the year, 1 case under 1 year of age; 5 of them were between 1 and 5 years of age; 20 of them were between 5 and 15 years of age; 2 of them were between 15 and 25 years of age; 1 of them was between 25 and 45 years of age. 6 cases were removed to the Isolation Hospital.

Scarlet Fever.

99 cases of this disease were notified, 14 being between ages 1—5 49 between ages 5—15, 31 cases between ages 15—25, 4 cases between ages 25—45, and 1 case between ages 45—65. 4 cases were removed to the Isolation Hospital.

Erysipelas.

9 cases were notified, which is 6 less than last year.

Enteric Fever.

12 cases were notified, which is 5 more than last year. All these cases were removed to Isolation Hospital.

Housing and Town Planning Act.

The number of houses inspected is 167, and 47 of these were found to be defective, and unfit for human habitation. 31 representations were made to the Committee for Closing Orders and 31 were granted.

Before a Closing Order is made the Town Clerk communicates with the owner of the property, pointing out the defects, and indicating that a Closing Order will be made unless the repairs are carried out. This has answered very well, and in nearly all cases the alterations have been put in hand. If the owner refuses to put the work in hand, then a Closing Order is made.

Defects were remedied in 16 cases without asking for a Closing Order.

The general character of the defects found were defective roofs and rain-water conductors, damp walls, insufficiently lighted and ventilated, dirty, dilapidated, overcrowded, insanitary drains, closets and ashpits, and defective paving of yards, etc.

19 houses have been demolished as a result of Closing Orders and 47 were demolished for the Corporation in the New Street and Steeple Row improvement scheme.

STATEMENT

Required by Article V. of the Housing (Inspection of District) Regulations, 1910, in regard to the Inspection of dwelling-houses under Section 17 of the Housing, Town Planning, etc., Act, 1909.

Number of dwelling-houses inspected under and for the purposes of the Section	...	...	...	...	167
Number of such dwellinghouses which were considered to be in a state so dangerous or injurious to health as to be unfit for human habitation.	...	...	...	...	31
Number of dwelling-houses in respect of which representations were made to the Local Authority with a view to the making of Closing Orders	...	...	...	...	31
Number of houses in respect of which Closing Orders were made by the Local Authority.	...	...	...	...	31
Number of dwelling-houses the defects of which were remedied without the making of Closing Orders.	...	...	...	...	16
Number of dwelling-houses which, after the making of Closing Orders, were made fit for human habitation.	...	...	...	...	3

General character of defects found to exist in the dwelling-houses inspected :—Defective roofs, defective rain-water conductors, damp walls, insufficiently lighted and ventilated, dirty, damp, overcrowded, insanitary drains, closets and ash-pits, and defective paving of yards, etc.

Billeting of Troops.

During the latter part of the year about 1,300 Troops were billeted in the Borough. The Divisional Sanitary Officer gave instructions that no Troops were to be accommodated in houses where there were pail-closets or privies, and the air space for each soldier to be not less than 300 cubic feet. (These arrangements were carried out under my supervision).

The health of the Troops was good, only one case of Infectious Disease being notified, viz. :—A case of suspected Enteric Fever. This case was immediately removed to the Isolation Hospital and kept under observation for a fortnight, the notification then being withdrawn.

A case of Scarlet Fever was notified at the Caretakers of the Drill Hall and removed to the Isolation Hospital to prevent the spreading of infection among the soldiers.

Several cases of Scarlet Fever were notified from houses where Troops were billeted, the soldiers being at once removed to other premises and kept under observation, no case of Scarlet Fever being notified among them.

Factory and Workshops Act.

The total number of Inspections of Factories and Workshops was 345, namely, 22 factories, 323 workshops. 10 nuisances were found existing, namely :—insufficient closet accommodation 1 ; no separate accommodation for the sexes 7. On notice being sent these defects were remedied with one exception.

Appended is the Sanitary Inspector's Report and Report of Schools to the Loughborough Education Committee on Schools in the Borough, also tabulated statistics as to population, births and mortality for the last five years, also of infectious diseases notified and ages ; also of deaths of infants under one year, classified according to diseases and ages.

Copies of this Report, when printed, will be sent to the Local Government Board, the Home Office, and the Leicestershire County Council.

I have thankfully to acknowledge the valuable assistance I have received from the Borough Surveyor in the preparation of this Report.

I have the honour to be, Gentlemen,

Your obedient Servant,

N. B. M. BLACKHAM,

Medical Officer of Health

TABLE I.—Vital Statistics of Whole District during 1914 and previous Years.

BOROUGH OF LOUGHBOROUGH.

Year.	Population estimated to Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFERABLE DEATHS.†		NETT DEATHS BELONGING TO THE DISTRICT.				
		Un- corrected Number.	Nett.	Number.	Rate.	of Non- residents registered in the District.	of Resi- dents not registered in the District.	Under 1 Year of Age		At all Ages.		
								Number.	Rate.	Number.	Rate.	
												Rate per 1,000 Nett Births.
1909	24,180	...	553	22.8	294	12.1	16	5	46	83	283	11.7
1910	24,180	...	508	21.0	263	10.6	21	5	39	76	247	10.2
1911	22,992	521	520	22.6	318	13.1	15	11	63	120	314	13.1
1912	23,500	536	534	22.7	286	12.1	27	9	50	93	268	11.4
1913	24,000	547	548	22.8	347	14.4	26	13	72	131	334	13.9
1914	24,000	517	517	21.5	330	13.7	19	10	52	100	321	12.5

This Table is arranged to show the gross births and deaths in the district, and the births and deaths properly belonging to it with the corresponding rates.

† "Transferable Deaths" are deaths of persons who, having a fixed or usual residence in England or Wales, die in a district other than that in which they resided.

Area of District in acres (land and inland water)	...	...	...	3045	} At Census 1911.
Total Population at all ages	...	...	...	22,990	
Number of inhabited houses	...	...	...	6047	
Average number of persons per house	...	...	...	3.8	

TABLE II.—Cases of Infectious Disease notified during the Year 1914.

BOROUGH OF LOUGHBOROUGH.

Notifiable Disease.	No. of Cases Notified.							Total Cases notified in each Locality of the District.							Total cases removed to Hospital.
	At all Ages.	Under 1 year.	1 to 5 years.	5 to 15 years.	15 to 25 years.	25 to 45 years.	45 to 65 years.	65 years and upwards.							
Small-pox ...	...	...	...	...	...	...	...	...							...
Cholera Plague ...	...	...	...	...	...	...	...	...							...
Diphtheria (including Membranous Croup ...	29	1	5	20	2	1	...	...							6
Erysipelas ...	9	...	...	1	...	2	6	...							...
Scarlet Fever ...	99	...	14	49	31	4	1	...							4
Typhus Fever ...	...	...	...	...	...	...	...	...							...
Enteric Fever ...	12	...	1	6	2	3	...	...							12
Relapsing Fever ...	...	...	...	...	...	...	...	...							...
Continued Fever ...	...	...	...	...	...	...	...	...							...
Puerperal Fever ...	...	...	...	...	...	...	...	...							...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...							...
Poliomyelitis ...	...	...	...	...	...	...	...	...							...
Ophthalmia Neonatorum	...	...	...	...	...	...	...	...							...
Pulmonary Tuberculosis	27	...	...	2	6	14	4	1							22
Other forms of Tuberculosis	8	...	4	3	1	...	...	...							...
Totals ...	184	1	24	81	42	24	11	1							44

TABLE III.—Causes of, and Ages at Death during the Year 1914.

BOROUGH OF LOUGHBOROUGH.

CAUSES OF DEATH.			Nett Deaths at the subjoined ages of "Residents" whether occurring within or without the District.									Total Deaths whether of "Residents" or "Non-Residents" in Institutions in the District.
			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 and under 65 yrs.	65 and upwards	
All causes	Certified	...	321	52	13	14	14	10	45	66	107	59
	Uncertified	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever	...	...	2	...	...	1	...	1	...	...	...	2
Small Pox	...	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	5	2	...	2	1	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough	...	...	5	4	...	1	...	...	...	...	...	...
Diphtheria and Croup	...	...	5	...	...	3	2	...	...	...	...	2
Influenza	...	...	2	...	...	...	1	...	...	...	1	1
Erysipelas	...	...	...	...	...	...	...	...	...	...	...	...
Phthisis	...	...	...	...	...	...	...	...	...	...	...	...
(Pulmonary Tuberculosis)	...	...	31	...	...	1	3	4	18	4	1	5
Tuberculous Meningitis	...	...	4	...	...	1	2	1	...	...	...	...
Other Tuberculous Diseases	...	...	8	3	3	...	1	...	1	...	...	1
Cancer, malignant disease	...	...	24	...	...	...	...	1	3	8	12	4
Rheumatic Fever	...	...	...	...	...	...	...	...	...	...	...	...
Meningitis	...	...	...	...	...	...	...	...	...	...	...	...
Organic Heart Disease	...	...	44	...	...	...	...	1	5	21	17	5
Bronchitis	...	...	31	6	2	...	...	...	...	7	16	4
Pneumonia (all forms)	...	...	22	6	6	1	...	1	3	1	4	1
Other diseases of Respiratory organs	...	...	1	...	...	...	...	...	...	...	1	...
Diarrhoea and Enteritis	...	...	12	11	1	...	...	...	...	...	...	...
Appendicitis and Typhlitis	...	...	1	...	...	...	1	...	...	...	...	3
Cirrhosis of Liver	...	...	3	...	...	...	...	...	1	2	...	...
Alcoholism	...	...	1	...	...	...	...	...	1	...	...	1
Nephritis & Bright's Disease	...	...	11	...	...	...	...	...	3	6	2	...
Puerperal Fever	...	...	...	...	...	...	...	...	...	...	...	...
Other accidents and diseases of Pregnancy and Parturition	...	...	1	...	...	...	...	...	1	...	...	...
Congenital Debility and Malformation, including Premature Birth	...	...	17	16	1	...	...	...	...	...	...	...
Violent Deaths, excluding suicide	...	...	7	...	...	3	...	...	1	...	3	2
Suicide	...	...	1	...	...	...	...	...	...	1	...	...
Other Defined Diseases	...	...	83	4	...	1	3	1	8	16	50	28
Diseases ill-defined or unknown	...	...	...	...	...	...	...	...	...	...	...	...
TOTALS			321	52	13	14	14	10	45	66	107	59

TABLE IV.—INFANT MORTALITY during the Year 1914.

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

BOROUGH OF LOUGHBOROUGH.

CAUSES OF DEATH.			Under 1 week.	1-2 weeks.	2-3 weeks.	3-4 weeks.	Total under 4 weeks.	4 weeks and under 3 months.	3 months and under 6 months.	6 months and under 9 months.	9 months and under 12 months.	Total Deaths under 1 Year.
All causes	Certified	...	...	...	...	...	...	...	...	...	...	...
	Uncertified	...	...	...	...	...	...	...	...	...	...	...
Small Pox	...	...	...	...	...	...	...	...	...	...	...	...
Chicken Pox	...	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...	...	2	2
Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough	...	...	...	...	...	...	...	1	3	...	...	4
Diphtheria and Croup	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculous Meningitis	...	...	...	...	...	...	...	...	...	...	...	...
Abdominal Tuberculosis	...	...	...	...	...	...	...	...	...	...	...	...
Other Tuberculous Diseases	...	...	...	...	...	...	...	1	...	1	1	3
Meningitis (not Tuberculous)	...	...	...	...	...	...	...	...	...	...	...	...
Convulsions	...	...	...	...	...	...	...	1	...	1	...	2
Laryngitis	...	...	...	...	...	...	...	...	...	...	...	...
Bronchitis	...	...	...	...	...	...	...	3	...	2	1	6
Pneumonia (all forms)	...	...	...	...	...	...	...	...	2	3	1	6
Diarrhoea	...	...	...	...	...	...	...	2	2	1	...	5
Enteritis	...	...	...	...	...	...	...	1	4	...	1	6
Gastritis	...	...	...	...	...	...	...	...	...	...	...	...
Syphilis	...	...	...	...	...	...	...	...	...	...	...	...
Rickets	...	...	...	...	...	...	...	...	1	...	...	1
Suffocation, overlying	...	...	...	...	...	...	...	...	...	...	...	...
Injury at Birth	...	...	...	...	...	...	...	...	...	...	...	...
Atelectasis	...	...	1	...	...	...	1	...	...	...	...	1
Congenital Malformations	...	...	1	...	1	...	2	1	...	...	...	3
Premature Birth	...	...	3	1	3	...	7	...	...	...	...	7
Atrophy, Debility and	...	...	...	...	...	...	...	...	...	...	...	...
Marasmus	...	...	...	...	1	...	1	2	2	...	1	6
Other Causes	...	...	...	...	...	...	...	...	...	...	...	...
TOTALS	...	...	5	1	5	...	11	12	14	8	7	52

Nett Births in the Year { legitimate ... 500
 illegitimate ... 17
 Nett Deaths in the Year of { legitimate infants 48
 illegitimate infants 4

Report of School Medical Officer.

To the Chairman and Members of the Loughborough Education Committee.

MR. CHAIRMAN, MRS. CLIFFORD, AND GENTLEMEN:

I have the honour to present to you my Report for the year 1914 on the work of the School Medical Service during that period.

The population of the Borough of Loughborough is now estimated at 24,000. At the census of 1911 it was 22,990.

General.

During the year entrants and leavers only have been examined, together with special cases necessary. The Scholars inspected numbered 1493, namely, 705 girls and 788 boys. There are 11 Schools maintained by the Committee, including 19 separate departments. The highest number on the books for the year was 4198, and the average number 4136. The average attendance for the last School year was 3365. The work of Medical Inspection has gone on smoothly and without friction. A good number of parents attend regularly at the Schools at the time of the Inspection and, generally speaking, are quite willing—and even anxious—to fall in with the recommendations of the School Medical Officer, and to do what is necessary to maintain the health of their children.

Towards the latter end of the year Dr. Littlejohn, the Assistant School Medical Officer, was called up by the Military Authorities, and his place was taken by Dr. C. P. Strong, who is to act during Dr. Littlejohn's absence. A good deal of the clerical work connected with the School Medical Service is done in the Secretary's Office, and this was somewhat hampered during the latter part of the year in consequence of the senior clerk being called up by the War Authorities, and by another member of the staff also enlisting.

The work of the School Nurse during the year has been very successful; every case that required "following up" has been periodically visited and a general supervision maintained. The Nurse has also regularly visited the Schools and examined the hair of all the girls with the best results. Generally speaking, the children attending the Schools are in a clean condition and with a few exceptions are suitably clad.

The ventilation, warming, equipment and sanitation of the various Schools maintained by the Committee are quite satisfactory, and the out-offices are kept by the caretakers in a clean and wholesome condition. The Schools are periodically disinfected and special attention is paid to the Infant Departments. These are disinfected every few weeks and the floors, desks, and furniture washed with a solution of disinfectant. To this I attribute the pleasing fact that it has not been necessary to close any School during the year on account of infectious disease. It was necessary only to close the Infants' Class of the Warner School for two weeks during the first month of the year on account of an outbreak of Measles.

School Clinic.

I am very glad to be able to record that the Education Committee have now established a School Clinic. Suitable premises have been obtained in Bridge Street and approved by the Board of Education. The premises have been improved and adapted for this work. A bath has been provided and a hot water supply laid on. One room has been fitted up for eye-refraction work and another room for dental work. There is also a convenient waiting room provided. The electric light has been installed and every arrangement made to meet the requirements of the School Medical Service. It has, of course, not been possible to take much advantage of the Clinic this year, as the premises were not ready for use until towards the close of the year, but I am looking forward next year to very satisfactory work being done in this respect.

Dental Work.

Arrangements have been made with Mr. G. W. Storey, L.D.S., Eng., to undertake the dental work at the Clinic. He will visit the Schools periodically and select children for Treatment. This work has scarcely begun yet but it is hoped that good work will be done in this department next year. It is proposed to confine treatment, at first, to children between the ages of six and eight. Children of necessitous parents will be treated without charge, and in other cases a small charge only will be made to parents.

Tonsils and Adenoids.

I am also very glad to be able to report that arrangements have now been made with the Loughborough Hospital for the treatment of children attending the Public Elementary Schools suffering from Tonsils and Adenoids. All cases arising from the School Inspections will be referred to the Hospital for treatment. The consent of the parents will first be obtained and the Education Committee will defray the charges of the Hospital on the agreed terms. In cases where the parents are in a position to make a contribution towards the cost they will be called upon to do so.

During the year the work of the Departments of the Medical Officer of Health and the School Medical Officer have been co-ordinated, and the assistance rendered by each found most useful.

Appended is a table shewing details of the various cases inspected during the year, with results. It is drawn up on similar lines to last year. I regret that the tables are not exactly in the form laid down by the Board of Education, but next year I hope to be able to remedy this defect.

In conclusion I have pleasure in acknowledging the loyal assistance of the whole Staff, as well as the cordial co-operation of the Teachers.

I have the honour to be,

Mr. Chairman, Mrs. Clifford, and Gentlemen,

Your obedient Servant,

N. B. M. BLACKHAM,

School Medical Officer.

25, Victoria Street,

Loughborough.

15/3/15.

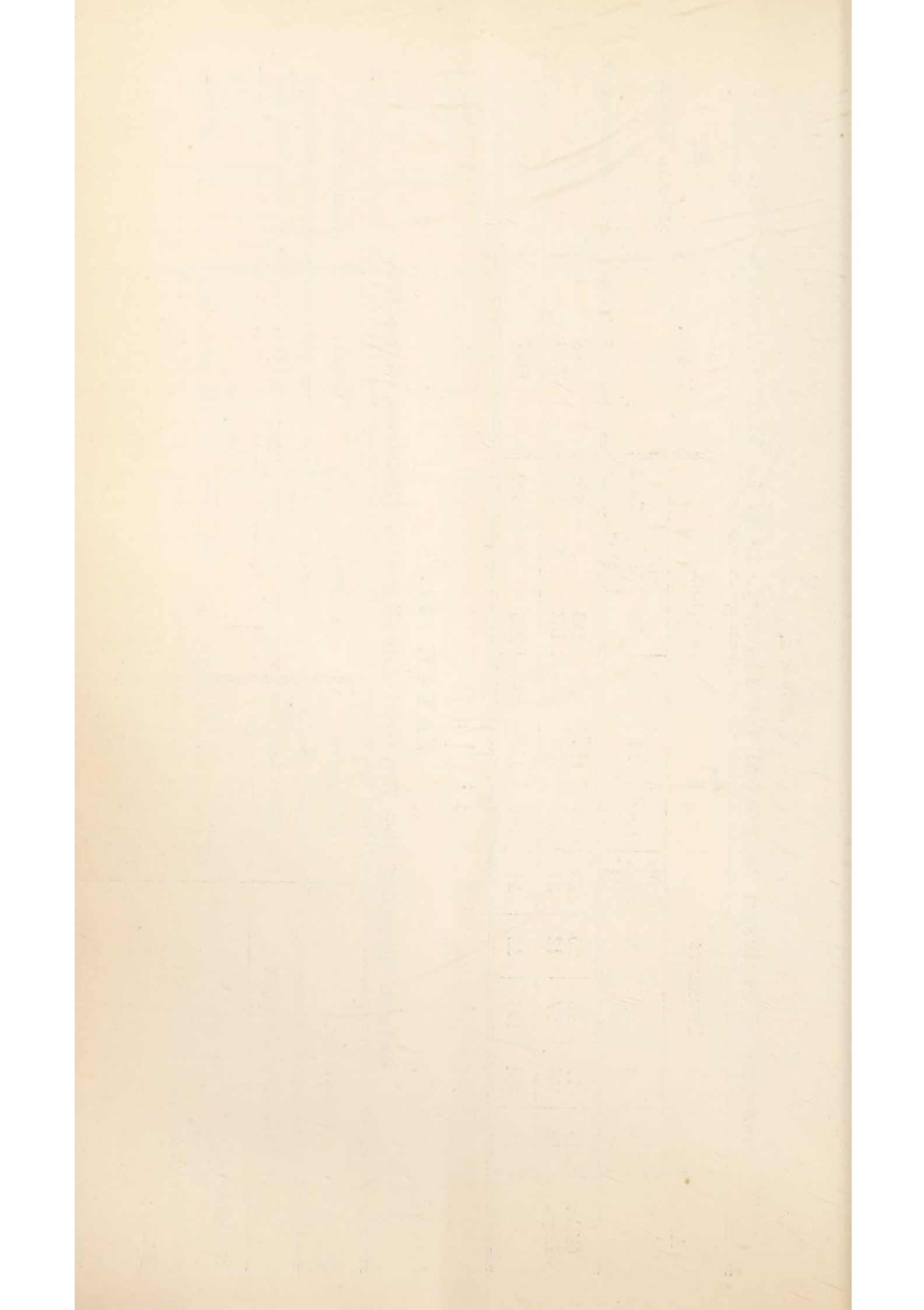
TABLE I.
Number of Children Inspected 1st January, 1914, to 31st December, 1914.

AGE.	A.						B.			
	ENTRANTS.			LEAVERS.			TOTAL.		SPECIAL CASES.	
	3	4	5	6	Other Ages, 7-11	Total	12	13	14	Total.
Girls.	13	77	98	20	25	233	178	172	113	2 465
Boys.	16	104	97	12	29	238	200	136	182	7 525
	29	181	195	32	54	491	378	308	295	9 990
										1481
										12

TABLE II.
Return showing the Physical Condition of Children Inspected.

CONDITION.	ENTRANTS.			LEAVERS.			TOTAL.			SPECIAL CASES.		
	Boys		Girls	Boys		Girls	Boys		Girls	Boys		Girls
	Total	Per cent.	Total	Total	Per cent.	Total	Total	Per cent.	Total	Total	Per cent.	Total
TOTAL INSPECTED.	...	...	...	...	...	...	...	...	...	...	...	...
HEARING:	...	...	...	...	...	...	...	...	...	...	...	...
NORMAL	251	229	480	513	463	976	764	692	1456	98.3	5	7
DEFECTIVE	...	...	...	...	...	...	...	...	...	...	...	...
EARS:	...	...	...	...	...	...	...	...	...	...	...	...
NORMAL	252	231	483	983	509	459	968	97.8	761	690	1451	98.0
DEFECTIVE	...	...	...	...	...	...	...	...	...	...	...	...
TUBERCULOSIS (Non Pulmonary):	...	...	...	...	...	...	...	...	...	...	...	...
ABSENT	248	228	476	970	497	439	936	94.5	745	667	1412	95.3
PRESENT	...	...	...	...	...	...	...	...	...	...	...	...
MENTAL CONDITION:	...	...	...	...	...	...	...	...	...	...	...	...
NORMAL	247	224	471	960	509	453	962	97.2	756	677	1433	96.8
DEFICIENT	...	...	...	...	...	...	...	...	...	...	...	...
HEART AND CIRCULATION:	...	...	...	...	...	...	...	...	...	...	...	...
NORMAL	244	224	468	953	493	444	937	94.6	737	668	1405	94.9
AFFECTED	...	...	...	...	...	...	...	...	...	...	...	...
LUNGS:	...	...	...	...	...	...	...	...	...	...	...	...
NO DISEASE	229	209	438	892	482	419	901	91.0	711	628	1339	90.4
DISEASE PRESENT	...	...	...	...	...	...	...	...	...	...	...	...
TEETH:	...	...	...	...	...	...	...	...	...	...	...	...
SOUND	171	153	324	659	237	261	498	50.3	408	414	822	55.6
AVERAGE	...	...	...	...	...	...	...	...	...	...	...	...
BAD	...	...	...	...	...	...	...	...	...	...	...	...
NERVOUS SYSTEM:	...	...	...	...	...	...	...	...	...	...	...	...
NORMAL	253	228	481	980	520	462	982	99.2	773	690	1463	98.8
AFFECTED	...	...	...	...	...	...	...	...	...	...	...	...
RICKETS:	...	...	...	...	...	...	...	...	...	...	...	...
ABSENT	251	231	462	981	522	463	985	99.5	773	694	1467	99.1
PRESENT	...	...	...	...	...	...	...	...	...	...	...	...
DEFORMITIES:	...	...	...	...	...	...	...	...	...	...	...	...
NO DEFORMITY	255	225	480	978	521	460	981	99.1	776	685	1461	98.6
DEFORMITY PRESENT	...	...	...	...	...	...	...	...	...	...	...	...
SPEECH:	...	...	...	...	...	...	...	...	...	...	...	...
NORMAL	253	230	483	984	507	459	966	97.6	760	689	1449	97.8
DEFECTIVE	...	...	...	...	...	...	...	...	...	...	...	...
CLOTHING AND FOOTGEAR:	...	...	...	...	...	...	...	...	...	...	...	...
SATISFACTORY	230	212	442	900	427	417	844	85.2	657	629	1286	86.8
UNSATISFACTORY	...	...	...	...	...	...	...	...	...	...	...	...
CLEANLINESS OF HEAD & BODY:	...	...	...	...	...	...	...	...	...	...	...	...
CLEAN	245	219	464	945	500	377	877	88.6	745	596	1341	90.5
DIRTY	...	...	...	...	...	...	...	...	...	...	...	...
NUTRITION:	...	...	...	...	...	...	...	...	...	...	...	...
NORMAL	216	205	422	858	363	356	719	72.6	579	561	1140	77.0
BELOW AVERAGE	...	...	...	...	...	...	...	...	...	...	...	...
NOSE & THROAT (Tonsils & Adenoids):	...	...	...	...	...	...	...	...	...	...	...	...
ABSENT	232	204	436	888	460	408	868	87.7	692	612	1304	88.1
PRESENT	...	...	...	...	...	...	...	...	...	...	...	...
EXTERNAL EYE DISEASE:	...	...	...	...	...	...	...	...	...	...	...	...
NORMAL	247	222	469	955	513	453	966	97.6	760	675	1435	96.9
AFFECTED	...	...	...	...	...	...	...	...	...	...	...	...
VISION (Normal Vision):	...	...	...	...	...	...	...	...	...	...	...	...
6/6 each eye	33	35	68	791	281	247	528	53.4	314	282	596	55.1
6/9	...	...	...	...	...	...	...	...	...	...	...	...
6/12	...	...	...	...	...	...	...	...	...	...	...	...
6/18	...	...	...	...	...	...	...	...	...	...	...	...
6/24	...	...	...	...	...	...	...	...	...	...	...	...
Both Eyes	...	...	...	...	...	...	...	...	...	...	...	...
6/12	...	...	...	...	...	...	...	...	...	...	...	...
6/18	...	...	...	...	...	...	...	...	...	...	...	...
6/24	...	...	...	...	...	...	...	...	...	...	...	...

N.B.—Only those entrants above 6 years examined for vision. I.e., 41 Boys and 45 Girls.



Report of Inspector of Nuisances.

SANITARY INSPECTOR'S OFFICE,

TOWN HALL, LOUGHBOROUGH,

February 19th, 1915.

To His Worship the Mayor and Members of the Town Council.

GENTLEMEN,

I have pleasure in submitting for your consideration my Sixth Annual Report on the operations of the Sanitary Department for the year ending December 31st, 1914.

Summary of Work Done.

Drains taken out	...	...	...	...	102
New drains laid	...	...	...	...	208
Drains stopped and cleansed	...	...	...	...	23
Drains defective	...	...	...	...	39
Gullies affixed	...	...	...	...	42
Sink drains disconnected	...	...	...	...	1
Sink wastes repaired	...	...	...	...	1
New sinkstones	...	...	...	...	1
Accumulations of manure	...	...	...	...	13
Accumulations of rubbish	...	...	...	...	2
Yard surface repaired	...	...	...	...	9
Manure pits constructed	...	...	...	...	1
Water conductors repaired	...	...	...	...	10
Water cisterns cleansed	...	...	...	...	3
Water closets repaired	...	...	...	...	9
Dirty closets cleansed	...	...	...	...	14
Closet doors repaired	...	...	...	...	3
Ashpit doors repaired...	...	...	...	...	2
Dilapidated doors and windows repaired	...	...	...	...	20
Floors concreted	...	...	...	...	4
Floors repaired	...	...	...	...	7
Yards paved	...	...	...	...	1
Dirty yards	...	...	...	...	3
Animals improperly kept...	...	...	...	...	7
Swill tubs removed	...	...	...	...	3
New urinals	...	...	...	...	2
Urinals repaired	...	...	...	...	1

A Local Government Board enquiry was held during the year *re* the conversion of pail closets to water closets, but at the time of writing this report the decision had not been given.

I am sure that the members of the Council will agree with me that it will be pleasanter going through our streets at night when the water carriage system is universal throughout the Borough.

Slaughterhouses.

We have 22 slaughterhouses on the register, viz. :—15 registered and 7 licensed ones, which is a decrease of three registered slaughterhouses from last year. These three were very old buildings and not worth re-building and putting into a satisfactory state. One of these the Corporation acquired in the Steeple Row Improvement Scheme, and it has been pulled down and demolished. The other two, in the George Yard and Orchard Street are still standing, but will not be used as slaughterhouses again.

Several of the others have been improved, new concrete floors have been put down, walls made impervious, drains taken outside the building, and I am pleased to be able to report a great improvement in their condition since last year.

Dairies, Cowsheds and Milkshops.

There are 90 of these premises on the register at present, and on the whole they are in fair condition. At one farm a notice was sent *re* an accumulation of manure, paving, provision of dairy, and damp walls. This work is now in hand.

Four samples of water have been submitted for analysis from different farms and they came out just passable.

Factories, Workshops and Bakehouses.

During the year 345 inspections of these premises have been made, and in the majority of cases their condition was found to be satisfactory.

Ten notices have been sent out and all of them have been complied with.

The defects found in seven cases were want of cleanliness ; two cases of dirty closets : and one closet not screened and ventilated.

Outworkers.

This work is usually carried on at the houses of the people engaged therein, and consists principally of hosiery mending, tailoring, boot repairing, etc.

The lists are sent in twice yearly and give us a total of 548 workers. Two of these have had cases of Infectious Disease in their houses, and steps were taken to prevent all homework entering until after disinfection had been carried out.

Offensive Trades.

During this year the businesses of fish fryers and rag and bone dealers have been scheduled as offensive trades, so that we have a great increase in number, viz.:—

3 tripe boilers.
2 rag and bone dealers, and about
20 fish fryers.

Application has now to be made to the Town Council before any new businesses of these kinds can be established, and I am convinced that we shall find it very beneficial in the future.

Housing and Town Planning Act.

During the year 167 houses have been inspected under this Act, with a total number of 214 inspections.

47 of these houses were found to be in a defective condition and in the majority of cases have been put right.

31 Closing Orders were made, and by these 19 houses were demolished, the remainder are in hand or are being made fit for human habitation. In one case it was found necessary to apply for an Ejectment Order against the occupier, which was granted.

47 houses were acquired and demolished by the Town Council.

Water Supply.

Ten samples of water from wells have been analysed and all were found to be unfit for drinking purposes. The wells have been closed, and 24 houses have been connected up with the town supply.

In introducing new services, I am pleased to be able to report that each case will in future be considered on its merits, and if the Sanitary Committee think that it is a case where the water ought to be put on inside the house such course will have to be taken in the future, whereas, formerly, in all properties where the wells had been closed, it was the custom to fix a stand-pipe in the yard, common to all the houses,

Canal Boats.

I am indebted to Mr. Clarke, the Canal Boats Inspector for the following information, namely,—That there are 20 boats on the register, being an increase of one from last year, and that 12 boats have been visited. No contraventions of the Acts or Regulations have been met with and no cases of Infectious Disease have occurred on any of the boats.

Food Inspection.

I have had a large number of requests to examine food of which the owners have been doubtful, and I am pleased to encourage this as far as possible. On the whole, the class of food offered for sale in the Borough is good. There have been destroyed at the Destructor as unfit for the food of man—211 stones of beef, 53 stones of pork, 191 tins of salmon, 71 tins of tomatoes, 1 barrel and 1 tin of prawns, 4 baskets of black currants, 4 baskets of cherries, 200 lbs. of strawberries, 2 boxes of kippers, 12 cwt. of onions, and 48 lbs. of loose tomatoes. Proceedings were taken against a butcher for having on his premises meat deposited for the food of man which was unsound, and unfit for that purpose. The case was dismissed but no costs were granted, the Magistrates holding that it was a proper case to bring before them, although we had hardly proved that the meat was deposited for sale and was intended for the food of man.

Public Conveniences.

These are regularly inspected and are kept in good condition, being periodically cleansed by the Corporation men. Others are to be erected as soon as suitable sites can be acquired.

Petroleum and Carbide of Calcium.

There are 22 places licensed for the sale and storage of Petroleum. An application was made to the Town Council for a license to store Petroleum on premises in Boyer Street, which was refused. An appeal was then made to the Home Office, which directed that an enquiry should be made. The Home Office decided to issue the license but imposed such conditions that the applicants could not accept them. Thus the matter dropped and the premises will not be used for the storage of Petroleum.

We have 4 places licensed for the storage of Carbide of Calcium.

Notices Served, etc.

The number of notices served during the year is 414. Of these 379 were informal notices, and 25 were sent by the instructions of the Sanitary Committee.

It is very gratifying to me to be able to report that my requests for the carrying out of sanitary works, involving in many instances large sums of money, have been complied with without my having to bring the matters before the Sanitary Committee, and frequently without having to serve any notice at all.

In conclusion, I wish to thank my Committee most heartily for their support throughout the year.

I am, Gentlemen,

Your obedient Servant,

H. BINTCLIFFE,

Inspector of Nuisances.

Leicestershire County Council

Sanitary Inspector's Report.

YEAR 1914. BOROUGH OF LOUGHBOROUGH.

L.G.B. General Order (13 Dec, 1910)—Duties of Inspector of Nuisances, Art. XX (16)

Total No. of Inspections made for all purposes	...	4246
" " Notices served	...	414
(Informal 379. Statutory 25)		
" " Summonses issued	...	2
" " Convictions obtained	...	1

COMPLAINTS ... TOTAL No. received during the year 30

GENERAL SANITARY WORK.

Premises, houses, etc.	...	No. inspected	...	540
		Nuisances abated	...	414
Pool, ditch, gutter, watercourse	...	No. inspected	...	3
		Nuisances abated	...	3
Animals improperly kept	...	No. inspected	...	7
		Nuisances abated	...	7
Privies (middens)	...	No. of new provided	...	none
		No. existing repaired	...	none
		No. converted to pails	...	none
		No. converted to w.c.'s	...	49
Pails or earth closets	...	No. of new provided	...	none
		No. converted to w.c.'s	...	32
Water closets	...	No. of new provided	...	42
		No converted from dry receptacles	...	none
		No. supplied with water, repaired or otherwise improved	...	123
Ashpits	...	No. of new provided	...	none
		No. converted to ashbins	...	34
Ashbins	...	No. of new provided	...	423
Cesspools	...	No. rendered impervious, repaired, cleansed, &c.	...	2
		No. abolished and drains connected to sewer	...	none
Drain, drain traps, etc.	...	No. inspected	...	1378
		Nuisances abated	...	102

Smoke nuisances	...	...	No. of observations	...	2
			Nuisances abated	...	none
Offensive accumulations	...	...	No. inspected	...	15
			Nuisances abated	...	15
Insanitary houses (<i>Public Health Act, 1875</i>)	...	...	No. inspected	...	636
			No. cleansed, limewashed, repaired, etc	...	42
			No. condemned	...	none
			No. closed	...	none
Overcrowding	...	...	No. of houses inspected	...	32
			Nuisances abated	...	31
All other insanitary conditions not included in above	...	...	No. inspected	...	197
			Nuisances abated	...	197
Common lodging houses	...	...	No. registered	...	3
			No. of inspections made	...	54
			No. of contraventions found	...	2
Offensive trades	...	...	No. established	...	25
			No. of premises inspected	...	24
			No. of contraventions of bye-laws (<i>urban</i>)	...	2
Slaughter houses	...	...	No. in district	...	22
			No. "licensed "	...	7
			No. "registered "	...	15
			No. of inspections of premises	...	636
			No. of contraventions of bye-laws	...	8
Food—diseased, unsound, etc.	...	...	No. of seizures,	...	1
			No. of summonses issued	...	1
			No. of convictions obtained	...	none
			No. of parcels of food surrendered	...	30
Infectious diseases and disinfection	...	...	No. of houses affected	...	124
			No. of houses inspected	...	124
			Total number of inspections made in this connection	...	442
			No. of house rooms disinfected	...	731
			No. of school rooms disinfected	...	none
			Lots of clothing disinfected	...	66
			Lots of clothing destroyed	...	6
			Is there a steam disinfecter available...	...	yes

Water supply	...	No. of samples taken for analysis	...	14
		No. condemned	...	10
		No. of wells closed	...	10
		No. of wells cleansed, repaired, &c.	...	none
		No. of instances in which the public supply was substituted for the well	...	24
		No. of cisterns cleansed, repaired, etc.	...	6
		No. of cistern waste pipes disconnected from the drain	...	3
Canal Boats Acts	...	No. of canal boats registered	...	20
		No. of inspections made	...	12
		No. of contraventions found	...	none
		No. of proceedings issued	...	none

Dairies, Cowsheds & Milkshops Orders, 1885—1889.

Have Regulations been adopted?	...	...	yes
Has a Veterinary Inspector been appointed?	...	...	yes
No. dairymen, etc. (<i>milk-sellers</i>) in the District?	...	...	90
No. of these registered (<i>Order of 1885, Sec. 6, (1), (2)</i>)	...	...	90
No. of inspections of their premises	...	...	120
No. of dairymen, etc., (<i>butter and cheesemakers</i>) in the district (<i>Order of 1885, Sec. (6) (5), (6)</i>)	...	...	3
No. of inspections of their premises	...	...	8

PREMISES.

No. on register	...	...	...	90
No. of inspections made	...	...	...	120
No. of inspections during milking time	...	...	...	5
No. of contraventions of the Regulations found	...	...	...	1
No. of premises found to require:—				
(a) Cleansing, etc.	...	...	...	12
(b) Structural or sanitary improvements (to include want of impervious paving of yards and cowshed floors, etc.)	...	...	...	1
No. of these requirements (a and b) carried out	...	...	...	1

WATER SUPPLY.

No. of premises deriving water supply from wells	...	...	4
No. of samples of such water taken for analysis	...	...	4
Results of these analyses:—			
(a) Good	...	...	none
(b) Passable	...	...	4
(c) Condemned	...	...	none

LEGAL PROCEEDINGS.

No. of summonses issued under the Orders and Regulations	...	...	none
No. of convictions obtained	...	...	none

Housing, (Inspection of District) Regulations, 1910.

No. of dwelling houses inspected	...	...	162
Total number of inspections made			214
No. of dwelling houses in which defects were found	...		47
No. of dwelling houses in which defects were rectified (<i>i.e.</i> , made fit for human habitation) without recourse to Closing Orders. Sec. 15.			16
No. of representations to Local Authority with a view to the making of Closing Orders. Sec. 17 (2).			31
No. of Closing orders made. Sec. 17 (2).			31
No of dwelling houses closed :—			
(a) By voluntary action of owners			47
(b) As a result of Closing Orders			31
No. of dwelling houses which, after the making of Closing Orders were put into a fit state for human habitation. Sec. 17 (6)			3
No. of dwelling houses demolished :—			
(a) By voluntary action of owners			47
(b) As a result of Closing Orders. Sec. 18 (2)			19

Factory and Workshops Act, 1901.

Workshops	No. on register (to include bakehouses)	184
	No. of nuisances abated	9
Bakehouses only	No. on register	44
	No. of nuisances abated	7
Homework	No. of outworkers	548
	No. of houses	548
	No. of infected ditto	2
Legal proceedings	No. of summonses issued	none
	No. of convictions obtained	none

General Information.

What arrangements are in operation for the disinfection of :—

(a) Rooms? (b) Articles of clothing? (c) Bedding?

(a) Fumigation with sulphur, spraying with formalin, izal and perchloride of mercury.

(b) Steam Disinfector, Izal, etc.

(c) Steam Disinfector.

What fumigant is used for (a)?

Sulphur.

After fumigation is it the general practice to thoroughly cleanse and strip the wallpaper?—Not general practice, but desirable.

Have building bye-laws been adopted for the *whole* district—if not, for what (rural) parishes? Yes.

(Rural Districts only.) Please *attach hereto* a list of the parishes in the district where any sections of (a) the P.H.A. (A.) Act, 1890, and (b) the P.H.A. (A.) Act, 1907, are in force, and the number of the sections relating to each parish.

H. BINTCLIFFE,

Inspector of Nuisances.

N. B. M. BLACKHAM,

Medical Officer of Health.

