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ROYAL LEAMINGTON SPA.

Urban Sanitary District.



ANNUAL REPORT

OF THE

Medical Officer of Health,

1906.

LEAMINGTON SPA :

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SANITARY REPORT
OF THE
Borough of Royal Leamington Spa
FOR THE YEAR 1906.

TOWN HALL, LEAMINGTON,

30th January, 1907.

TO THE CHAIRMAN AND MEMBERS OF THE
HEALTH COMMITTEE.

GENTLEMEN,

I beg to submit for your consideration my Seventeenth Annual Report on the sanitary condition of your Borough. I think that the following figures will show what an enormous amount of work has been accomplished in a satisfactory manner by a very small staff, considering the intricacies of the various Acts of Parliament—"Cowsheds," "Dairies and Milkshops," "Common Lodging Houses," "Food and Drugs," and "Factory and Workshops Acts." The tables will show the amount of labor bestowed on disinfection and inspection of houses and drain testing.

The Borough has every reason to be proud of the work of your Sanitary Inspectors, and the eminently successful results of their efforts. One must not lose sight of the fact of how difficult it is for a health official to avoid offence in inspecting properties of owners who also hold seats in the Corporation.

I regret to record that I have suffered much in this respect.

Vital Statistics.

In giving a fairly approximate estimate for the population for the year, I think that by adding about half the natural increase of births over deaths, the figures 27,140 will be found pretty accurate.

Births.

476 births (214 males, 262 females) were recorded, yielding a birth rate of 17·5 lower than average for last ten years. The birth rate of the Borough has been gradually lessening for over twenty years. There are no large industries to induce the working classes to settle here, and a large majority of the better class of inhabitants are beyond the fruitful age. The female births very much exceed the male births.

The two following Tables show Births and Birth-rates by Wards and Quarters :—

WARDS.	BIRTHS.	BIRTH-RATES.	ESTIMATED POPULATION, 1906
North-East	128	17·52	7,303
South-East	177	20·83	8,495
West	117	15·58	7,509
Milverton & Lillington	54	14·08	3,833
	476		27,140

QUARTERS.	MALES.	FEMALES.	TOTALS.	BIRTH-RATES.
1st	53	68	121	17·83
2nd	54	73	127	18·71
3rd	49	73	122	17·98
4th	58	48	106	15·62
Totals	214	262	476	

Deaths.

39 deaths of inhabitants took place in Warwick Workhouse and Hatton Asylum; and 39 deaths of non-residents occurred in the Borough, thus leaving 390 deaths to be reckoned upon, showing a death-rate of 14·3—slightly below average for last ten years.

MORTALITY BY QUARTERS.

QUARTERS.	TOTAL MORTALITY.							ZYMOTIC DEATHS.			DEATH RATE.
	Under 1 year	1 year and under 5.	5 years and under 15.	15 years and under 25.	25 years and under 65.	65 years and upwards.	Total.	Under 5 years.	Over 5 years.	Totals.	
1st	14	3	8	2	33	58	118	4	„	4	17·39
2nd	11	4	2	5	21	47	90	1	„	1	13·26
3rd	20	5	1	1	32	28	87	„	5	5	12·82
4th	15	2	1	4	25	48	95	4	„	4	14·00
Totals.	60	14	12	12	111	181	390	9	5	14	

These figures include all deaths of residents and non-residents. Deaths under 5 years are above average, and are largely due to bronchitis, pneumonia, marasmus, and debility from birth, and premature births, and accidents at parturition, and diarrhœa.

The mortality in aged persons was mostly due to cancer, bronchitis, pneumonia and heart diseases.

Deaths under 1 year yield a proportionate infantile death-rate of 126·05, about last ten years' average.

The Registrar gives the deaths of 25 children insured under 5 years of age.

Pulmonary Tuberculosis showed a death-rate of 0·51 lower than average.

Zymotic death-rate 0·51 was higher than average, owing to the mortality from diarrhœa during the great heat in April and August.

CAUSES OF DEATHS UNDER 5 YEARS.

Bronchitis and Pneumonia	11
Marasmus and Debility from Birth ...	20
Tuberculosis	3
Whooping Cough	3
Convulsions	2
Premature Birth and Accidents of Parturition	10
Measles	1
Congenital Defects	1
Diphtheria	2
Diarrhœa	7
Accidents	2
Meningitis	1
Septic Disease	1
Other Causes... ..	10
	—
	74

CAUSES of ZYMOTIC DEATHS.

Measles	1
Whooping Cough	3
Diphtheria	2
Diarrhœa	7
Erysipelas	1
	—
	14

INFECTIOUS DISEASES.

Scarlet Fever.

92 cases were reported, and 86 were removed to Hospital. No deaths were reported. A large majority of the cases were in South-East and West Wards. The infant department of Shrubland Street Schools was closed for three weeks in December. At no other time was there any epidemic. The cases were, as a rule, reported at intervals, and appeared, from enquiry, to be of a mild type. I find from careful enquiry that many cases were imported from villages outside the district.

Measles

Was prevalent in January, and it was found necessary to close Lillington School for three weeks. This disease also cropped up in November. One death was reported.

Whooping Cough.

This disease was prevalent in the first and fourth quarters, and caused three deaths.

Diphtheria.

28 cases came to my notice at intervals in February and each other month to December; 6 were removed to Hospital and only two deaths occurred. One case was imported, and sanitary defects were found on premises where 7 cases occurred.

Enteric (Typhoid) Fever.

2 cases only were reported. No death resulted.

Pulmonary Tuberculosis.

I now find that voluntary notification of this disease is of no use whatever. Only one case was reported to me. There were 13 deaths. In the early part of the year I asked the Local Government Board to make Pulmonary Tuberculosis a notifiable disease, thinking that so doing would be for the public benefit, as I look upon the complaint as highly infectious in every way. The Local Government Board refused this permission.

General Remarks.

It will be seen by the Report that the Borough has escaped small-pox; that the number of scarlet fever cases, though apparently large, caused no mortality. Measles and whooping cough were troublesome in the first and fourth quarters, and again the mortality was very low.

The amount of work carried out by the Health Department during the year has been enormous, as reference to the various tables will show; and, considering the cost incurred, I venture to think that there is no town of its size in the country which has to contribute so little in the way of rates for the maintenance of the health of the inhabitants as far as the Health Department is concerned.

The Borough Surveyor's Department informs me that 14,954 tons of refuse were consumed by our Destructor. Sewer flushing was carried out in the usual careful way, nearly 10 millions of gallons of river water having been used in this way. Periodical analysis of the drinking water supply showed that purity was maintained. The average consumption of water per head per day was slightly over 25 gallons.

56 new houses were built.

Several old defective brick sewers were replaced by proper sanitary pipes.

5 ventilating shafts were erected in places where offensive smells had been complained of.

The slaughter-houses were kept in good condition. There was one conviction for the exposure of bad meat for sale.

Mr. Harrison, in charge of No. 2 District, has kept the canal boats up to the Regulations, a duty requiring no little tact.

Miss Colles was our Lady Health Visitor appointed by County Council, and who worked zealously amongst the poorer parts of the Borough according to her instructions from the County Council, teaching how to keep houses clean, how to feed and clothe infants, and as to ventilation and general domestic cleanliness.

To do this is no sinecure; and if all of the instructions of Miss Colles were carried out, we should hear very little complaint of "Slums." I hold that there are no "Slums" in our Borough; but there are deplorably dirty people in our midst, and I look to the clergy, district visitors, and those who visit amongst the poor, to convey to them a knowledge of the evils of dirt.

In 1890, the Sanitary Inspectors from all parts of England visited our town and made a thorough inspection of the so-called lowest portions of the Borough, and they specially mentioned that they found no "Slums." I hold that Leamington is now in better sanitary condition than in 1890.

The Manager of the Pump Rooms and Bathing Establishment reports an increased number of bathers during the year. Many Specialists sent patients to the Spa with good results, and have expressed themselves as appreciative of the manner in which their instructions were carried out.

A new "Solarium" or sun-bath has been added to the equipment, which may now be looked upon as up-to-date.

The few meteorological figures I show in Table VI. have been furnished me by Mr. Berridge, of the Gasworks, and by Mr. Shepherd of the Surveyor's office. I am most grateful to them both.

To your Chairman and Health Committee, and Dr. Rice, are due my warmest thanks for ready and useful help on all occasions.

I am, Gentlemen,

Your Obedient Servant,

SAM. BROWNE, M.D., D.P.H.,

Medical Officer of Health.

Borough of Royal Leamington Spa.

SANITARY DISTRICT No. 1.

TO THE CHAIRMAN AND MEMBERS OF THE
HEALTH COMMITTEE.

GENTLEMEN,

I beg to submit for your consideration and approval my Annual Report on the work in the above District, comprising that portion of the Borough on the North Side of the River Leam, and, in addition, the work connected with the Cowsheds, Dairies, and Milkshops, Common Lodging Houses, Food and Drugs Acts, and the Factory and Workshops Act, 1901.

Complaints.

124 complaints were received and attended to. Some of these related to street gullies and sewer ventilators, and were transferred to the Surveyor's Department; others were about matters which could not be officially dealt with, or the results of private disputes, and a few were found upon investigation to be groundless. Where necessary, steps were taken to remedy all nuisances complained of.

General Work.

192 notices to abate nuisances were sent out during the year, in addition to 3 left over from 1905, of these 172 had been complied with up to the 31st December. Many of these notices covered several nuisances, and a perusal of the summary of the work executed in No. 1 District will show the main features of the work done.

House to-House Inspection.

This has been carried out as time allowed, and any sanitary defects or nuisances found were remedied as far as possible. In a town like Leamington this inspection of the poorer class of houses is often a difficult task, so many of the women, as well as the men, are breadwinners that it is no unusual occurrence to find three or four houses in a court or street locked up or in charge of young children, and some are also locked *from the inside*, thus necessitating several visits to the same premises before a proper inspection can be made.

At the beginning of the year I carefully inspected the condition of Burbury's Court, Satchwell Street, consisting of two front houses and six cottages behind.

After several interviews with the agents and owner, it was decided to take down three of the cottages altogether and put the rest of the property in good sanitary repair. This involved an entire alteration of the drainage (in accordance with the bye-laws), the building of five new W.C.'s and three wash-houses completely fitted, underpinning of walls where necessary, repointing of all outside walls, taking up and relaying the kitchen and ground floors with dry materials underneath, thorough repair of all other floors and staircases, rebuilding and providing better fireplaces and kitchen ranges and thorough repair of all roofs and spouting, and repaving the passages, and the provision of dustbins for house refuse.

A good lamp, with incandescent burner, has also been erected in the yard for the convenience of the tenants.

Other courts which have undergone good sanitary repair during the year are Hampton Court and Albert Place, Park Street; Swain's Buildings, Dickin's Yard, and Thompson's Buildings, Kenilworth Street; Price's Place and Scott's Buildings, Brook Street; Johnson's Court, Satchwell Street; and Warwick Court, Warwick Street.

Common Lodging Houses.

There are five Registered Common Lodging Houses in the Borough, viz: Nos. 33, 35, 37, 39, and 41, Satchwell Street, and under the management of one person, who keeps them in a very satisfactory manner. They are registered annually (under the Leamington Corporation Act, 1902), and accommodation is provided for 76 persons. Three of the houses are registered for married couples, one for single males, and one for single females.

113 visits were paid to them during the year (including night visits), and on only two occasions have I had to caution the person in charge. No cases of "Notifiable" disease was reported from them, and only two cases of sickness. Considering the class of persons who use them, this, I consider, is very satisfactory.

Slaughterhouses and Offensive Trades.

The Slaughterhouses in No. 1 District (15 registered and 2 licensed), are, considering their situation and capacity, kept in a very creditable manner, the blood, offal and garbage removed regularly, and limewashing carried out in excess of what the bye-laws require. Those who use them are always ready to carry out any reasonable suggestion I make.

Five premises are licensed for tripe boiling and the preparation of sausage skins, and these are also kept in a satisfactory manner.

Unsound Food.

During the year, especially during the hot weather, a considerable quantity of unsound beef (both fresh and pickled), pork, veal, bacon, sausages, vegetables and fruit were destroyed voluntarily, and it was unnecessary to obtain any order under Sec. 117, P.H. Act, 1875

Infectious Diseases and Disinfection.

68 visits were paid to infected premises in No. 1 District for the purpose of investigating cases of disease notified and 39 patients were removed to Hospital.

Two schools and 103 rooms were disinfected including rooms in which Phthisis, Cancer, Measles, or other cases of sickness occurred, or where a Medical Attendant wished disinfection carried out, and also in 5 cases of "verminous" premises.

42 sets of bedding and clothing were disinfected by steam, and several lots of bedding were also destroyed as filthy and unfit for further use, and 23 lots of bedding, etc., were also "purified" for bedding manufacturers and others. When books belonging to the Municipal Free Library are found on "infected" premises they are taken in charge by your Inspectors, and at the discretion of the Librarian are either destroyed or returned to him after being disinfected by means of sulphur and hot air, and all cases of infectious disease are also notified to the Librarian, so that he may discontinue the issue of books to the premises where the cases occur until a period of at least 16 days elapses after notification.

Food and Drugs Act.

87 samples were taken for analysis, consisting of new milk, skimmed milk, condensed milk, butter, margarine, lard, coffee, cheese, baking powder, seidlitz powder, compound liquorice powder, spirits, tinned and potted meats, ham, tongue, salmon and sardines. As a result of the analyses, 2 prosecutions took place for selling milk deficient in fat to the extent of 15 and 12 per cent., and convictions were obtained, the vendors being fined 21s. and 10s. 6d. respectively, and two other milksellers were also cautioned as to the quality of the milk supplied.

I have distributed to the Cowkeepers and Milksellers in the Borough copies of the circular letter dated July 11th, 1906, from the Local Government Board, calling their attention to the practice of putting preservatives and colouring matter in milk, and trust it will be the means of stopping this practice, which has hitherto prevailed to a great extent. Milk sold the same day as it is produced should need no preservatives to keep it sweet, and colouring matter can only be added to it with the intention to deceive as to its quality.

Cowsheds, Dairies and Milkshops.

There are 12 Cowsheds within the Borough. Except during inclement weather the cows are turned out daily throughout the year. The cows are inspected monthly by your Veterinary Surgeon, and he reports them as having been in good health and free from disease. 3 of the cowsheds have been redrained during the year.

There are 101 Dairies and Milkshops registered, and these have been kept in a satisfactory condition, though in 4 instances I have had to caution the Milksellers as to keeping their utensils and shops in a better condition.

A large quantity of the milk supplied in Leamington comes from sources outside the Borough, and over these places, of course, we have no direct supervision, but there has been no reason to think that any infectious disease notified has originated in the milk supply.

Factory and Workshops Acts, 1901.

The carrying out of this Act entails a great deal of work on the part of your Inspectors.

In No. 1 District there are 126 Laundries and Workshops of various classes, and 23 "homeworkers" premises. Limewashing and cleaning are on the whole very well carried out, and any suggestions made by the Sanitary staff have always been attended to.

Many of the employers are, however, very remiss in sending in the lists of the "outworkers" whom they employ. This is a duty which is imperative on their part to comply with every February and August, but it is one they are disposed to be very careless about.

There are also 31 Bakehouses on the Register, of which 3 are "underground." I have had no reason to complain of the way in which the whole of these are kept, and limewashing and cleansing are very well carried out.

In conclusion, I wish to thank you, the Chairman and Members of the Health Committee, the Medical Officer of Health, the Town Clerk, and other officials of the Corporation, for their courtesy and assistance given to me at all times in carrying out my duties.

I am, Gentlemen,

Your Obedient Servant,

J. K. ANDERSON,

Sanitary Inspector.

TOWN HALL,

FEBRUARY 5th, 1907.

Summary of Work executed in No. 1 District, 1906.

Drains Cleaned	24
Drains relaid to Sanitary Condition	63
Intercepting Traps fixed	41
Inspection Chambers provided	25
Soilpipes and Ventilators fixed	32
New W.C. Pans and Traps	56
W.C.'s provided with Water	28
New Gullies fixed... ..	43
New Sinks... ..	15
Soft Water Cisterns cleansed	11
Yards repaved and repaired	14
Roofs and Spouts repaired	21
Urinals provided replacing defective Urinals	3
Manure Pits replacing defective Pits	2
Accumulations of Manure and Filth removed	26
Overcrowding Nuisances abated	5
Nuisances from Pig Keeping abated	3
Nuisances from Fowl Keeping abated	16
Houses Whitewashed and Cleansed by notice... ..	44
Dustbins provided... ..	29
Rooms, etc., disinfected	105
Sets of Bedding Disinfected by Steam	65
Smoke Tests to Drains	64
Water Tests to Drains	124
House to House Inspections	272
Visits to Sanitary Work in progress	348
Visits to Slaughterhouses and Offensive Trades	389
Visits to Common Lodging Houses	113
Visits to Workshops and Laundries	189
Visits to Cowsheds, Dairies and Milkshops	168
Visits to Bakehouses	97
Samples of Food, etc., taken for Analysis	87

Borough of Royal Leamington Spa.**ANNUAL REPORT**

OF THE

SANITARY INSPECTOR

FOR DISTRICT No. 2

For the Year ending December 31st, 1906.

TO THE CHAIRMAN AND MEMBERS OF THE
HEALTH COMMITTEE.

GENTLEMEN,

I have the honour to submit for your consideration my Annual Report of the work carried out in No. 2 District (that portion of the Borough lying South of the River Leam), also, a Report of the Inspection of Canal Boats, under the Canal Boats Acts, 1877 and 1884.

Complaints.

During the year I received 108 complaints, and investigated the causes of complaint at the earliest opportunity; many related to the keeping of pigs on allotments. These Piggeries are situated beyond the bye-laws' limit, and, on inspections made, found to be kept in a reasonably cleanly state.

However, there is just cause for complaint during hot weather. When it is remembered these pigs are fed chiefly with the waste decomposing organic and vegetable matter collected from houses, and in some cases the offal from slaughterhouses, it will be easily understood it is next to impossible to prevent offensive smells arising from these piggeries and receptacles used for the collection of this refuse.

Some complaints were found, on investigation, to be caused by the tenants themselves neglecting to cleanse the gullies of fatty matter which collects, from time to time, until the drains are completely choked.

A few complaints related to street gullies and ventilators. These were handed to, and dealt with by the Surveyor's Department. Others related to escapes of gas, etc., and were referred to the proper authorities.

General Work.

I have served 222 notices which have taken the form of letters, calling for the abatement of nuisances, and 9 statutory notices, following the non-compliance with letters; of these 201 have been complied with up to the 31st December, 1906. The owner in one case was summoned, and as the nuisance was abated after the service of the summons, the Bench dismissed the case at my request.

Five old brick culverts were taken from under six houses, and when these were opened up the filth (a collection probably of years) was most offensive; no time was lost in taking up the old culverts, and their contents out of the district. All the surrounding soil which was fouled was also removed. New drains were put in to comply with the bye-laws.

During the year 12 houses were re-drained throughout, and a great improvement made. The drainage of one house emptied into a cess-pit. The cess-pit has been abolished and new drains connected to the public sewer.

Five cases of overcrowding of Dwelling Houses came under my notice, and effective measures taken to remedy the nuisance. This infringement of the law is not always due to ignorance of the danger to health, and common decency, but the inability to get houses of sufficient size at a small rent; in most cases of overcrowding the people cannot afford to pay the rent of larger houses.

A great improvement has been made at Rushmore Farm by draining the yard and buildings into a "cess pit" fitted with a chain pump. Formerly these premises were in a very insanitary condition, liquid filth from piggeries and stables stood in a pool in the yard the whole year round, close to the dwelling house.

I attach a summary of other work, and a List of new Sanitary Appliances and Repairs at the end of this Report.

House-to-House Inspections.

124 houses have been inspected by this method, and all defects found have been dealt with in the ordinary way. The poor and old houses in this district receive my attention, and are kept in as sanitary condition as is possible. Consideration, however, must be given where the owners are constantly being called upon to execute repairs on account of destructive tenants. Unfortunately the lowest rented houses are occupied by the most destructive class of tenants, and the dirty habits of these people make the houses look considerably more wretched than actually is the case.

Infectious Diseases and Disinfection.

Cases of Infectious Diseases have my prompt attention. No time is lost in removing the patients to hospital, or isolation in a suitable room when hospital is not desired, and disinfection of premises and clothing is carried out as soon as possible.

Houses where secondary cases have occurred, or where there are more than one patient, are in many cases thoroughly cleansed and re-papered at the expense of the owner.

Our system of moving patients to hospital after Office Hours and on Sundays, shows that nothing is left undone that lies in our power to check the spread of infection.

Disinfection is also carried out where cases of Cancer, Phthisis, Measles, or other illness has occurred, when desired, or requested by the Medical Attendant.

All Books belonging to the Free Library found on infected premises are given into my charge for disinfection and taken back to the Library, and notice is given to the Librarian of the existence of Infectious Disease on these premises.

I have also steam disinfected 29 lots of bedding, &c., infested with vermin, or for purifying purposes for manufacturers and others.

Liquid Disinfectant is given out to houses where disease or illness has occurred.

Slaughterhouses and Offensive Trades.

There are 8 Slaughterhouses, 1 Offensive Trade, and 3 Skin Stores in No. 2 District. 280 inspections of these premises have been made at irregular intervals during the year. These premises have been kept in a cleanly and creditable manner. The structure of some of the slaughterhouses is not all that could be desired. Railway Arches do not make "Model" slaughterhouses, but considering the premises are kept clean by the occupiers, no serious objection can be made.

The quality of the cattle slaughtered however is excellent. During the year I examined 506 live animals in the fasting pens and 418 carcasses of animals in the slaughterhouses; of these only 1 beast and 1 pig were unfit for food.

The beasts are chiefly white-faced Herefordshire cattle and are exceptionally free from disease.

At my request duplicate keys of the slaughterhouses usually kept locked up, have been given to me, so that I am able to make an inspection of these premises at any time without the knowledge of the occupiers.

A new "blue brick" floor in cement has been put down in one slaughterhouse in place of defective red bricks, and 2 slaughterhouses have been provided with new galvanized bins for the reception of offal and manure.

Unsound Food.

I have paid special attention to the sale of food, and have frequently inspected the various shops and hawkers' carts where such is exposed for sale.

I seized the two hind quarters of one beast weighing 14 stones 3 lbs., which was unfit for food and destroyed it by a Magistrates' Order under Sec. 117 of the Public Health Act, 1875. Police Court proceedings were instituted, and the butcher fined £10 and costs.

I also destroyed the carcass of a pig weighing about 4 stones, which was unfit for food. As the butcher had no guilty knowledge of the unsoundness of the animal no further action was taken.

A small quantity of fish, fruit, and vegetables was destroyed at my request, which was undergoing decomposition.

Sale of Ice Cream.

During the summer months Ice Cream was made and sold from 8 shops in No. 2 District. These premises were found to comply with the Leamington Corporation Act, 1902, and were found, on inspections made, to be kept clean and satisfactory.

Common Lodging Houses.

There are no Common Lodging Houses south of the River Leam.

Factory and Workshops Act, 1901.

There are 35 Workshops, 23 Bakehouses, 11 Laundries, and 15 Outworkers Premises in No. 2 District.

These premises have been visited at irregular intervals, and 149 Inspections made during the year. They were generally found to comply with the law. The following work and improvements have been carried out at my request, which I trust will benefit the trade and workers generally.

BAKEHOUSES.

Bakehouses cleansed and whitewashed	...	...	6
New Bakehouse Floors (quarries on concrete)	...	...	3
New Bakehouse Floor, wood (quarries not permissible)	...	...	1
Bakehouse, new ventilator and sky-light fixed	...	...	1

WORKSHOPS.

Workshops cleansed	...	...	...	...	3
Workshop, new w.c. seat and door	...	...	...	...	1
Workshop, container w.c. taken out, new w.c. pan and lead trap fixed	...	...	...	...	1
Workshop, filthy w.c. pan and trap abolished, new pedestal w.c. fixed	...	...	...	...	1
Workshop ventilated and new w.c. pan and trap fixed	...	...	...	...	1
Workshop overcrowded in four rooms to the extent of 6 persons (remedied)	...	...	...	...	1
Workshop overcrowded to the extent of 2 persons (remedied)	..	...	...	...	1

LAUNDRIES.

Laundries cleansed and whitewashed...	...	...	2
Laundry overcrowded to the extent of 2 persons	...	...	1

OUTWORKERS' PREMISES.

Outworkers' workroom in dirty state (Outworker is under Statutory Notice to cleanse his workroom).

Only one case of Infectious Disease occurred on Outworkers' Premises. The patient was removed to hospital and precautions taken.

In concluding this report I wish to thank you, the Chairman and Members of the Health Committee for the kind support and assistance given to me in the execution of my duties, which are not always of a pleasant character.

I also wish to thank the Medical Officer of Health, the Town Clerk and other Officials of the Borough for the courtesy and assistance I have received at their hands.

Co-operation with the Sanitary Inspector for No. 1. District is always a pleasure to me, and my thanks are due to him for his assistance.

I am, Gentlemen,

Your Obedient Servant,

ARTHUR M. HARRISON,

(Cert.) Sanitary Inspector.

Summary of Work Executed in No. 2 District, 1906.

New Drains	...	...	...	...	...	...	...	35
Drains repaired	...	...	...	...	...	...	...	32
Drains cleansed	...	...	...	...	...	...	...	16
New Drain Ventilators fixed	...	...	...	...	...	...	...	13
New Soil Pipes and Ventilators	...	..	...	...	...	...	...	15
Intercepting Traps fixed	...	...	...	...	...	...	...	15
Inspection Chambers built	...	...	..	...	...	...	...	15
Mica Flap Fresh Air Inlets	...	...	...	...	...	...	...	10
Open Fresh Air Inlets	...	...	...	...	...	...	...	5
New Gullies fixed	...	...	...	...	...	...	...	59
New W.C. Pans and Traps fixed	...	...	...	...	...	...	...	54
New Pedestal Closets fixed	...	...	...	...	...	...	...	5
New W.C. Seats...	...	...	...	...	...	...	...	17
W.C.'s repaired (floors, walls, or roofs)	...	...	...	...	...	...	...	33
Flushing Cisterns provided	...	...	...	...	...	...	...	12
W.C. Pans and Traps cleansed	...	...	...	...	...	...	...	13
Houses repaired (walls, floors, ceilings, roofs)	...	...	...	...	...	...	...	34
Houses cleansed by notice	...	...	...	...	...	...	...	18
Houses re-spouted	...	...	...	...	...	...	...	9
New Glazed Sinks fixed	...	...	...	...	...	...	...	17
Scullerys repaired and cleansed	...	...	...	...	...	...	...	23
Soft Water Cisterns cleansed...	...	...	...	...	...	...	...	8
Soft Water Cistern Doors, new	...	...	...	...	...	...	...	2
Ashpits abolished	...	...	..	...	...	...	...	8
Galvanized Dust Bins provided	...	...	...	...	...	...	...	62
Washhouses repaired	...	...	...	...	...	...	...	6
New Sink Waste-Pipes fixed	...	...	...	...	...	...	...	24
Yards re-paved or repaired	...	...	...	...	...	...	...	19
Nuisances from Animals abated	...	...	...	...	...	...	...	9
Accumulations of Manure removed	...	...	...	...	...	...	...	16
Bell Traps abolished	...	...	...	...	...	...	...	4
Container Closets abolished	...	...	...	...	...	...	...	2
Brick Culverts abolished	...	...	...	...	...	...	...	7
Smoke Tests applied	...	...	...	...	...	...	...	25
Water Tests applied	...	...	...	...	...	...	...	60
Visits to Work in progress (abatement of nuisances)	...	...	...	...	...	...	...	567
Rain Water Spouts disconnected over Gullies	...	...	...	...	...	...	...	6
Steam Disinfections	...	...	...	...	...	...	...	47
Patients removed to the Infectious Diseases Hospital	...	...	...	...	...	...	...	54

Annual Report of the Inspection of Canal Boats for the year ending December 31st, 1906.

GENTLEMEN,

I beg to submit the following Statistical Return of the Inspection of Canal Boats under the Canal Boats Acts, 1877 and 1844. Twice during the year H.M. Inspector of Canal Boats visited the Borough, and after examining the Register expressed his satisfaction with the execution of the Canal Boats Acts in the Borough.

Number of Boats inspected in 1906	...	...	...	48
Number of Boats conforming to Regulations	...	...	...	42
Number of Boats infringing Regulations	...	...	...	6
Total number for which Cabins were Registered	...	...	...	162
Total number occupying Cabins	...	...	...	136

DETAILS OF OCCUPATION.

Male Adults	...	...	...	...	...	80
Female Adults	...	...	...	...	...	26
Children of School Age (over 5)	...	...	...	...	...	14
Children under School Age	...	...	...	...	...	16

DETAILS SHOWING TYPE OF INFRINGEMENTS FOUND.

Absence of Certificates of Registration	...	...	...	...	2
*Certificate not Identifying Owner with Boat	...	...	...	...	1
Boat not Properly Marked	...	...	...	...	1
*No Partition	...	...	...	...	1
Female, Improperly Occupying	...	...	...	...	1
†Boat Cabins not Painted	...	...	...	...	2
Boat Dilapidated	...	...	...	...	1
Overcrowding	...	...	...	...	1
Total	...	...	...	...	10

Seven infringements have been remedied, and 3 are still outstanding. *Owner asks for a little longer time to remedy complaint. †Owner in one case to be summoned as he refuses to remedy complaint.

I am, Gentlemen,

Your Obedient Servant,

ARTHUR M. HARRISON,

Inspector of Canal Boats.

TABLE I.

YEAR.	Population estimated to middle of each year.	BIRTHS.		DEATHS UNDER ONE YEAR OF AGE.		DEATHS AT ALL AGES, TOTAL.		DEATHS IN PUBLIC INSTITUTIONS.	Deaths of Non-residents registered in District.	Deaths of Residents registered beyond District.	DEATHS AT ALL AGES, NETT.	
		Number.	*Rate.	Number.	Rate per 1,000 Births registered.	Number.	*Rate.				Number.	*Rate.
1	2	3	4	5	6	7	8	9	10	11	12	13
1896	27,220	543	19.9	71	127.0	413	15.1	46	37	24	410	15.1
1897	27,320	544	19.9	58	106.6	393	14.3	49	34	26	385	14.0
1898	27,420	523	19.0	74	143.3	455	16.5	58	50	21	424	15.4
1899	27,520	511	18.6	71	142.0	454	16.5	52	36	42	459	16.6
1900	27,700	503	18.1	66	131.2	453	16.3	82	49	34	439	15.8
1901	26,888	472	17.5	47	99.5	373	13.8	60	49	25	349	12.9
1902	26,967	503	18.6	81	161.0	382	14.1	56	31	24	375	13.9
1903	27,017	407	18.0	61	125.2	405	14.4	60	36	26	395	14.6
1904	27,060	492	18.1	61	123.9	407	15.0	92	43	37	403	14.8
1905	27,100	526	19.4	54	102.6	404	14.9	59	50	31	385	14.2
Averages for years 1896-1905	27,221	502	18.7	64	126.2	413	14.9	60	41	29	402	14.7
1906	27,140	476	17.5	60	126.0	390	14.3	65	39	39	390	14.3

* Rates calculated per 1,000 of estimated Population.

Area of district in acres (exclusive of area covered by water) } 2,760
 Total population at all ages ... 26,888
 Number of inhabited houses ... 5,959
 Average number of persons per house... 4.5
 At Census of 1901.

NOTE.—The deaths included in column 7 of this Table are the whole of those registered during the year as having actually occurred within the district or division. The deaths included in column 12 are the number in column 7, corrected by the subtraction of the number in column 10 and the addition of the number in column 11.

By the term "Non-residents" is meant persons brought into the district on account of illness and dying there; and by the term "Residents" is meant persons who have been taken out of the district on account of illness, and have died elsewhere.

The "Public Institutions" taken into account for the purposes of this Table are those into which persons are habitually received on account of sickness or infirmity, such as hospitals, workhouses, and lunatic asylums.

TABLE II.—Comparative Statement of Births and Deaths for the last 10 years.

ROYAL LEAMINGTON SPA DISTRICT.

NAMES OF LOCALITIES.	ROYAL LEAMINGTON SPA. 1				NORTH-EAST WARD. 2				SOUTH-EAST WARD. 3				WEST WARD. 4				MILVERTON & LILL'N WARD. 5			
	Population esti- mated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.
1896	27,220	543	410	71	7327	158	116	20	8517	191	104	28	7519	150	96	14	3831	40	49	6
1897	27,320	544	385	58	7376	135	95	16	8548	217	110	19	7545	141	100	20	3851	31	39	2
1898	27,420	523	424	34	7402	139	122	29	8579	214	130	28	7583	128	89	17	3871	42	46	0
1899	27,520	511	459	71	7430	136	94	17	8610	189	135	24	7601	134	124	26	3879	52	45	5
1900	27,700	503	489	66	7479	139	121	14	8666	183	134	20	7650	134	125	23	3904	46	59	7
1901	26,888	472	349	47	7237	126	85	14	8403	180	115	20	7442	118	95	11	3800	48	54	2
1902	26,967	503	375	81	7256	130	92	15	8440	193	117	19	7461	136	113	14	3810	45	53	9
1903	27,017	487	405	61	7269	114	98	8	8456	182	137	21	7475	133	113	13	3817	55	47	5
1904	27,060	492	401	61	7281	106	112	12	8470	202	129	24	7486	130	107	21	3823	54	53	4
1905	27,100	526	385	54	7292	131	97	19	8482	195	137	19	7497	134	105	12	3829	66	46	4
Averages of Years 1896 to 1905.	27,222	510	408	60	7334	131	103	16	8517	194	124	21	7524	133	106	17	3841	47	50	4
1906	27,140	476	390	60	7303	128	93	15	8495	177	136	24	7509	117	106	16	3833	54	55	5

Deaths of Residents occurring beyond the district are included in sub-column *c* of this Table, and those of Non-residents registered in the district excluded.
Deaths of Residents occurring in Public Institutions are allotted to the respective Localities, according to addresses of the deceased.
Deaths of Residents which occurred in the Warneford Hospital, the Home for Incurables, and the River and Canal, are included in the respective Localities to which they belonged.

TABLE III.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.							TOTAL CASES NOTIFIED IN EACH LOCALITY.				NO. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.			
	At all Ages.	Under 1 year.	1 year and under 5.	5 years and under 15.	15 years and under 25.	25 years and under 65.	65 years and upwards.	North-East Ward.	South-East Ward.	West Ward.	Milverton & Lillingt'n W.	North-East Ward.	South-East Ward.	West Ward.	Milverton & Lillingt'n W.
Small-pox...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cholera ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	28	...	9	7	3	8	1	9	7	9	3	2	1	3	...
Membranous Croup	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	26	1	...	...	...	16	9	11	6	6	3	...	...	...	...
Scarlet Fever ...	92	...	29	59	4	...	...	14	38	26	14	9	37	23	11
Typhus Fever ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever ...	2	...	...	...	1	1	...	1	...	...	1	...	...	...	...
Relapsing Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued Fever...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever ...	1	...	...	...	...	1	...	...	...	1	...	...	...	...	...
Plague ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chicken-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTALS ...	149	1	38	66	8	26	10	35	51	42	21	11	38	23	11

Isolation Hospital situated at Heathcote, Warwick R.D.

Small-pox Isolation Hospital (1902) situated at Fosse, Southam R.D.

TABLE IV.

CAUSES OF DEATH.	DEATHS IN WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN LOCALITIES (AT ALL AGES).				DEATHS IN PUBLIC INSTITUTIONS.
	All Ages.	Under 1 year.	1 year and under 5.	5 years and under 15.	15 years and under 25.	25 years and under 65.	65 years and upwards.	North-East Ward.	South-East Ward.	West Ward.	Milverton & Lilling't'n W.	
Small-pox ... ..	..	..	..	..	..	..	..	..	..	..	..	..
Measles... ..	1	..	1	..	..	..	..	1	..	..	..	1
Scarlet Fever ... ..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough	3	2	1	..	..	..	..	1	1	1	..	2
Diphtheria and Membranous Croup...	2	..	1	1	..	..	..	..	1	..	1	..
Croup ... ..	..	..	..	..	..	..	..	..	..	..	..	..
Typhus Fever ... ..	..	..	..	..	..	..	..	..	..	..	..	..
Enteric Fever ... ..	..	..	..	..	..	..	..	..	..	..	..	..
Fever—other continued ... ..	..	..	..	..	..	..	..	..	..	..	..	..
Epidemic Influenza	6	..	..	..	..	3	3	1	1	1	3	..
Cholera... ..	..	..	..	..	..	..	..	..	..	..	..	..
Plague ... ..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	7	5	2	..	..	..	..	2	1	3	1	2
Enteritis	1	..	..	..	..	1	..	..	1	..	..	..
Puerperal Fever	1	..	..	..	..	1	..	..	..	1	..	..
Erysipelas	1	..	..	..	..	1	..	..	..	1	..	..
Other Septic Diseases	11	1	..	..	3	2	5	4	3	2	2	14
Phthisis	13	..	..	2	2	8	1	3	5	3	2	1
Other Tubercular Diseases	8	1	2	..	..	5	..	3	..	5	..	2
Cancer, Malignant Disease	26	..	..	..	..	11	15	5	10	4	7	8
Bronchitis	30	7	1	2	..	1	19	11	10	5	4	5
Pneumonia	29	2	1	1	1	14	10	7	12	7	3	8
Pleurisy	2	..	..	..	..	..	2	..	1	..	1	1
Other Diseases of Respiratory Organs ... ..	..	..	..	..	..	..	..	..	..	..	..	..
Alcoholism—Cirrhosis of Liver	4	..	..	..	..	3	1	..	2	1	1	1
Venereal Diseases ... ..	..	..	..	..	..	..	..	..	..	..	..	..
Premature Birth	7	7	..	..	..	..	..	3	3	1	..	2
Diseases and Accidents of Parturition	4	2	..	..	1	1	..	1	1	..	2	..
Heart Diseases	58	..	..	1	2	31	24	8	24	18	8	7
Accidents	4	2	..	1	..	1	..	1	2	1	..	3
Suicides	1	..	..	..	..	1	..	..	..	..	1	1
All other Causes	171	31	5	4	3	27	101	43	58	49	21	46
ALL CAUSES	390	60	14	12	12	111	181	94	136	103	57	104

TABLE V.—Infantile Mortality during the Year 1906.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under One Year.
ALL CAUSES:—																	
Certified ...	12	4	1	3	20	5	3	4	6	4	7	5	0	2	0	3	59
Uncertified ...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chicken-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria: Croup ...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	3
Whooping Cough ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrheal Diseases:—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoea, all forms ...	...	...	...	...	...	...	...	1	2	...	1	1	...	...	...	...	5
Enteritis, Muco-enteritis, Gastro-enteritis ...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...
Gastritis, Gastro-Intestinal Catarrh ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Wasting Diseases:—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Premature Birth... ..	6	1	...	...	7	...	...	...	...	...	...	...	...	...	...	...	7
Congenital Defects ...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
Injury at Birth ...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
Want of Breast-milk, Starvation ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Atrophy, Debility, Marasmus ...	4	2	1	3	10	2	1	1	1	1	1	2	...	...	...	1	20
Tuberculous Diseases:—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculous Meningitis ...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
Tuberculous Peritonitis: Tabes Mesenterica ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Tuberculous Diseases ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Syphilis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rickets ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Meningitis (not Tuberculous) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Convulsions ...	1	1	...	...	2	2	...	...	2	1	3	...	...	...	...	1	2
Bronchitis ...	...	...	...	...	...	...	...	...	...	1	2	1	...	...	...	...	8
Laryngitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
Pneumonia ...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Suffocation, overlaying ...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Other Causes ...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
	13	4	1	3	21	6	3	4	6	4	7	5	0	2	0	2	60

Births in the year :

Legitimate ... 457

Illegitimate ... 19

Deaths in the year of

Legitimate Infants 53

Illegitimate Infants 7

Deaths from all causes

at all ages ... 390

Population (estimated

to middle of 1906) :

27,140.

TABLE VI.—Meteorology Table of Leamington, 1906.

Month.	AIR TEMPERATURES.											RAINFALL.	
	Means of Barom. 10 a.m.	Means Ther. at 10 a.m.	Means of		Absolute Temperatures.				Direction of the prevailing Wind.	Inches.	Days.		
			Max.	Min.	Max.	Date.	Min.	Date.					
January	29.74	44	46.3	36.7	53	27th.	30	1st, 14th, 19th, 22nd, 23rd.	W.	4.24	16		
February ...	29.58	41	42.8	32.2	48	1st, 2nd, 10th, 16th.	27	5th.	N.W.	2.12	13		
March	29.85	44	48.7	36.0	65	6th.	28	12th, 29th.	N.E.	1.35	13		
April	30.63	48	58.3	37.1	72	11th.	30	26th, 28th.	S.E.	.34	6		
May.....	29.70	53	62.3	46.0	80	8th, 13th.	35	1st, 2nd, 17th.	S.W.	2.42	14		
June	30.00	59	79.9	50.9	96	11th, 12th.	44	4th, 29th.	N.E.	4.20	8		
July.....	29.92	63	81.6	53.1	97	4th.	46	12th, 13th, 16th.	N.W.	1.25	6		
August	29.83	65	78.7	56.4	95	6th.	50	18th.	W.	1.20	15		
September...	30.10	59	69.9	51.1	77	1st.	38	26th, 27th.	N.E.	.97	7		
October	29.70	54	58.7	47.0	70	1st.	35	13th.	S.E.	5.03	22		
November ...	29.73	48	50.3	41.7	58	23rd.	32	18th.	S.W.	2.81	13		
December ...	29.79	41	41.9	34.6	55	4th.	23	29th.	N.W.	1.79	17		
Totals...	358.57	619	719.4	522.8	...	...	...	...	...	27.72	150
Means...	29.88	50	59.9	43.5	...	...	...	...	...	2.31	12