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ROYAL LEAMINGTON SPA.

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Urban Sanitary District.

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**ANNUAL REPORT**

OF THE

**MEDICAL OFFICER OF HEALTH,**

1909.

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LEAMINGTON SPA: PRINTED BY A. TOMES, BEDFORD STREET

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**SANITARY REPORT**  
OF THE  
**Borough of Royal Leamington Spa**  
**FOR THE YEAR 1909.**

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TO THE CHAIRMAN AND MEMBERS OF THE  
HEALTH COMMITTEE.

GENTLEMEN,—

In presenting my Twentieth Annual Report, I have again to offer my congratulations upon a year of sanitary progress.

The amount of work done by your Health Department has been large and varied; and, as carried out under the various Acts of Parliament, reflects credit upon the several Officers under your direction.

**Vital Statistics.**

The population has not greatly increased. I have calculated the figures in the following Tables upon two-thirds of the natural increase of births over deaths as fairly approximate, showing a population of 27,252 for the year 1909.



### Births.

There were 432 Births (males 209, females 223), yielding a birth-rate of 15.8. For whatever reason, our birth-rate has gradually lowered for past twenty years, and during that period has not been above 21.0 per thousand in any year.

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

WARDS.	BIRTHS.	BIRTH-RATES.	ESTIMATED POPULATION, 1909.
North-East ... ..	101	13.77	7,334
South-East ... ..	176	20.65	8,530
West ... ..	106	14.05	7,540
Milverton & Lillington	49	12.73	3,848
	432		27,252

QUARTERS.	MALES.	FEMALES.	TOTALS.	BIRTH-RATES.
1st	40	50	90	13.21
2nd	52	52	104	15.26
3rd	59	63	122	17.90
4th	58	58	116	17.02
Totals	209	223	432	

### Deaths.

43 Deaths took place outside the Borough, including two Institutions in Birmingham, Warwick Workhouse, Hatton Asylum, and Heathcote Hospital.

63 deaths of non-residents occurred in the Borough, leaving 386 Deaths to be reckoned upon, and showing a Death-rate of 14.1—a very low figure.

## 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.	Totals.	Under 5 years.	Over 5 years.	Totals.	
1st	14	5	2	4	34	52	111	5	1	6	16.29
2nd	10	5	1	6	37	42	101	1	1	2	14.82
3rd	11	2	...	1	34	33	81	..	1	1	11.88
4th	8	...	4	2	22	57	93	2	1	3	13.64
Totals.	43	12	7	13	127	184	386	8	4	12	

The above figures do not include deaths of non-residents.

Deaths under one year, slightly higher than the year before, are still very much below average for twenty years.

The proportionate infantile death-rate for deaths under one year is 101.8; higher than the figures of the last Report, but considerably better than the average for the last twenty years.

The highest mortality comes under the headings of Heart Diseases, Cancer, Bronchitis, and Pneumonia in those of advanced age; and a heavy mortality from Pulmonary Tuberculosis between the ages of twenty-five to sixty-five years.

The east winds and low temperatures of several months' duration, no doubt to a large degree, induced this heavy mortality.

The Registrar reports that 20 infants who died under five years were insured.

The Zymotic death-rate was 0.40. The death-rate from Pulmonary Tuberculosis (Phthisis) was 0.73.

#### CAUSES OF DEATHS UNDER 5 YEARS.

Bronchitis and Pneumonia	...	...	...	16
Whooping Cough	...	...	...	7
Premature Birth	...	...	...	5
Convulsions	...	...	...	4
Diarrhœa	...	...	...	2
Diphtheria	...	...	...	1
Enteritis	...	...	...	1
Erysipelas	...	...	...	1
Laryngitis	...	...	...	1
Rickets	...	...	...	1
Heart Disease (Congenital)	...	...	...	2
Accident (Suffocation)	...	...	...	2
Imperfect Development	...	...	...	3
Dentition	...	...	...	2
Marasmus	...	...	...	5
Intestinal Tuberculosis	...	...	...	1
Meningitis	...	...	...	1
				<hr/> 55

#### ZYMOTIC DEATHS.

Diarrhœa	...	...	...	3
Whooping Cough	...	...	...	7
Diphtheria	...	...	...	2
				<hr/> 12

#### INFECTIOUS DISEASES.

##### Scarlet Fever.

25 cases were notified, of which 20 were sent to Hospital. The cases were generally distributed over the several Wards, and occurred mostly in the second and fourth quarters. The complaint was mild, and no death was reported.



### **Measles.**

At intervals during the year scattered cases were brought to my notice. No school had to be closed; no death was reported; the type of disease having been very mild.

### **Diphtheria.**

73 cases were reported. 60 occurred at the Warneford Hospital, but of these 26 were found on examination to be so-called "Carrier" cases. 2 deaths were notified.

### **Whooping Cough.**

This was prevalent all through the year. The complaint was of severe type, and 7 deaths occurred.

### **Enteric (Typhoid) Fever.**

Two cases were reported. One was treated at home; the other, treated in hospital, died. The latter case was imported.

### **Phthisis.**

20 deaths took place. Only one case was voluntarily reported to me.

Disinfection was rigorously applied in all houses of the above cases.

### **General Remarks.**

The Borough escaped all diseases in an epidemic form.

The free supply of Anti-Toxin to those unable to pay for it continues to give satisfaction, and the results have been good.

Canal Boats' Regulations were strictly carried out, and infringements were few.

One prosecution for "obstruction" was dismissed by the Magistrates, although the defendant had pleaded guilty.

Slaughter-houses, such as they are, have been regularly inspected, and found in good condition. Few faults were found, and all instructions were faithfully attended to by owners. I still advocate the construction of a public abattoir; for, in spite of all efforts, I feel sure that meat of questionable quality can yet be passed into sale for food in present slaughter-house conditions.



The Inspectors' Reports show that the Regulations of the Cowsheds, Dairies, and Milkshops are strictly carried out. Three prosecutions for tampering with milk were followed by conviction in every case. A few samples of milk were scarcely up to required standard of purity, but did not warrant prosecution. Owners were cautioned by Sanitary Authority.

Under the Food and Drugs Act, nearly all samples stood analysis. Three samples of rice were found faced with mineral matter. Vendors were cautioned, and the rice was withdrawn from sale.

Under the Factory and Workshops Act there were found two cases of insufficient sanitary accommodation, and two of defective accommodation. All were properly remedied. The Inspector of Factories and Workshops was satisfied with his last inspection. No house was closed during the year under the Housing of the Working Classes Act.

In connection with the Notification of Births Act, Nurse Pierce was appointed Health Visitor in March, 1909. It is her duty to visit every case of child-birth which has not been attended by a medical man, so as to satisfy the Sanitary Authority as to the hygiene of the house, and to give such advice and assistance as may be necessary. From March to 31st December the Nurse paid 340 visits.

About the same time the Education Authority appointed a Medical Inspector of School Children to carry out the provisions of the Children's Act of 1907. Up to present date over 3,000 school children have been inspected according to the scheme.

In spite of the wretched climatic conditions which prevailed during a large portion of the year, solid progress was made at the Pump Rooms. The Manager reports that the baths were freely used, with much apparent benefit, especially in cases of chronic arthritis and gout, and an unusual number of cases of nerve affections were also under treatment. When finished, the Annexe will prove a valuable addition to the Pump Rooms, and is certain to become a popular rendezvous. The Committee are to be congratulated on the steps they have taken to ensure the greater comfort of their patrons.

Mention must also be made of the Soured Milk Cure, now so much in vogue. The Corporation are now making Pure Bulgarian Health Milk at the Pump Room Laboratory, under the superintendence of the Municipal Bacteriologist, Dr. Burnet; and scrupulous care is taken that the milk is absolutely above suspicion. This ought to prove an attractive and valuable asset to the town.

From the Borough Surveyor, I find that the average daily consumption of water per head was 23.4 gallons; and that 15,564 tons of refuse were burnt in the Destructor. During the year 16 new houses were certified as fit for habitation.

The Meteorological figures (Table VI.) have been very kindly supplied by Mr. Berridge, of the Gas Works, and Mr. Shepherd, of the Surveyor's Department. I beg to thank them for their courtesy and trouble.

I also beg to thank our Chairman and the Health Committee for their cordial assistance in my work.

I am, Gentlemen,

Your obedient Servant,

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

Medical Officer of Health.



## **Borough of Royal Leamington Spa.**

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### **SANITARY DISTRICT No. 1.**

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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 lying on the North Side of the River Leam, and, in addition, the work connected with Cowsheds, Dairies, and Milkshops, Common Lodging Houses, Food and Drugs Acts, and the Factory and Workshops Act, 1901.

#### **Complaints.**

91 complaints, written and verbal, were received and attended to. Those which related to street gullies, sewer ventilators, and house refuse collection were handed over to the Borough Surveyor's department, many were, upon investigation, found to be frivolous or groundless, and some were about matters that could not be officially dealt with, but, wherever necessary, steps were taken to remove, as far as possible, any grievances complained of.

#### **General Work.**

251 notices to abate nuisances were served during the year, of these, 223 have been carried out. It has only been necessary to serve 1 statutory notice, the remainder being "intimation" notices by letter. Many of the notices covered several nuisances and a perusal of the summary of nuisances abated will show the main features of the work done.

### **House-to-House Inspection.**

This work has been carried out as time would allow from other duties.

Overcrowding has not been so apparent as in former years, only two cases requiring my intervention having come under notice. The principal places inspected this year have been Hill Street, Norfolk Street, Suffolk Street, Lansdowne Street, Lansdowne Road, Holly Street, Comyn Street, Hampton Street, Princes Street, Thomas Street, Vincent Street, Earl Street, John Street, Windsor Place, Brook Street, Barratt Place, Gunnery Terrace, Quarry Street, Oxford Row, Oxford Street, Chandos Street, and the Courts in Satchwell Street, Park Street, and Kenilworth Street.

### **Infectious Diseases.**

94 visits and revisits were paid to premises in No. 1 District for the purpose of investigating cases of infectious diseases notified, and 16 persons were removed to the Isolation Hospital at Heathcote. 82 rooms were disinfected, including Rooms in which Measles, Phthisis, Cancer, or other cases of sickness occurred, or where a Medical Attendant wished disinfection carried out, and also 4 cases of "verminous" premises.

23 sets of bedding and clothing were disinfected by steam, 4 lots of bedding, etc., were destroyed as unfit for further use, and 24 lots of bedding, carpet, etc., were also "purified" for bedding manufacturers and others

Any Free Library books found on infected premises are taken in charge, and at the discretion of the Librarian are either destroyed or disinfected by means of sulphur and hot air.

### **Common Lodging Houses.**

There are five Common Lodging Houses in Satchwell Street and one in Livery Street. These are registered Annually under the Leamington Corporation Act, 1902.

No. 39, Satchwell Street has been given up as a common lodging house, and in its place a large disused factory has been registered as such for men only. It contains 41 single fire-proof cubicles on two floors (with room for another 21 if necessary) good



large dining room, with sitting or workroom. There are also every accommodation for washing, with good sanitary conveniences furnished with water. For means of escape in case of fire, a strong iron ladder runs from the ground to a platform and door outside each room.

In the 6 houses there is accommodation for 117 persons, and considering the class of people who use them, they are kept in a very creditable condition. Altogether 118 visits, including night visits, were made to them, and on four occasions only have I had to caution the persons in charge. In two houses the bedroom floors have been repaired, and in one the roofs and spoutings and yard paving also repaired. No case of sickness was reported to me from any of the houses.

### **Cowsheds, Dairies and Milkshops.**

There are 11 cowsheds within the Borough. The milch cattle are turned out daily except during very severe weather. They are inspected monthly by your Veterinary Surgeon and reported upon as having been free from disease and in good health.

Five notices were given for cleansing and limewashing, and three to repair pathways leading to the cowsheds, otherwise they have been kept in a fairly satisfactory condition. One cowshed has also been thoroughly redrained, good floors laid down, and roofs and spouts put in good order.

The Borough Byelaws make it compulsory for cowsheds to be limewashed twice a year—in April and October. My experience leads me to believe limewashing should also be compulsory in January.

There are now 89 milkshops in the Borough, two having been given up, and three added to the register, and these have also been on the whole very well kept. Five notices were given as to cleansing of ceilings, walls and floors, and three as to keeping the milk utensils in a more cleanly condition, and covered up when containing milk.

At one milkshop a case of infectious disease was notified, the patient being at once removed to Hospital, and others in the house who showed signs of disease were strictly isolated until they were certified by the Assistant Medical Officer of Health as being in good health and free from all traces of the disease. I have every reason to believe that the instructions given as to isolation, &c., in this case were faithfully carried out.

The greater part of the milk used in Leamington is brought in from farms outside, and in two instances I have had to caution farmers as to the dirty condition of the milk supplied by them.

### **Ice Cream Shops,**

In two instances a notice was given to thoroughly cleanse the premises in which ice cream was made, but otherwise the ice cream shops were kept in a clean and satisfactory condition.

### **Slaughterhouses and Offensive Trades.**

There are 17 Slaughterhouses in No. 1 District of which 15 are registered, having been in existence previous to 1875, and the other two are licensed annually. Lime-washing is carried out in excess of the requirements of the Bye-laws, and the blood, offal and garbage removed regularly within the prescribed time.

I have had three complaints of nuisances from them during the year, these were at once attended to and the nuisances abated. Two drains have been cleansed, two new gullies supplied to the yards, and the roofs, spouting, and yards of two of them repaired.

At the end of last year and the beginning of this I had to caution several people as to slaughtering on unlicensed premises, they being in the habit of killing and dressing pigs in any convenient out-of-the-way place, and selling the pork among their neighbours. I have kept a careful look out for anything of the kind during the year, but have not been able to trace any instance of it occurring, but must admit it is a difficult matter to find out.

There are four places licensed for cleansing and dressing tripe and the preparation of sausage skins. These have been kept clean and in order.



### Unsound Food.

During the year I obtained three orders under Sec. 117, Public Health Act, 1875, for the destruction of unsound food, viz. : One box of wet fish, 116 pounds weight of foreign meat, and one large pig, which upon being slaughtered showed distinct signs of tuberculosis. Several pieces of beef, mutton, veal, cooked meat, 3 beasts' lungs, ~~and~~ vegetables and fruit have also been destroyed without any order being made, being voluntarily given up by the owners.

Taken altogether, the meat, poultry, fish and other food sold in Leamington, will compare favourably with that in any other town.

### Food and Drugs Act, 1901.

82 samples of milk, butter, <sup>28</sup>cheese, rice, cream, and coffee were taken for analysis, of which <sup>^</sup>samples were "informal" samples. Two persons were prosecuted for selling milk deficient of fat to the extent of 19% and 11% respectively, and one for selling milk adulterated with 8% added water. Convictions followed in each case and the vendors were fined respectively 6s. 6d. including costs, 10s. and costs, and 10s. and costs.

One other sample showed 3% added water (not sufficient to warrant a prosecution), and three others were certified as of "poor quality."

Three of the samples of rice taken were certified as being "faced" with mineral matter to the extent of 0.83%, 0.74%, and 0.7% respectively. The vendors were warned and the rice was at once withdrawn from sale.

5 samples of cream were taken to see if any adulteration had taken place. One of the samples showed a slight excess of preservatives above the limit suggested by the Board of Agriculture, but not sufficiently so to warrant a prosecution.

### Factory and Workshops Acts, 1901.

In No. 1 District there are 150 Workshops, including Laundries, and also 24 "Outworkers'" premises. No case of infections was notified from any of them.

The sanitary conditions are of a very good order, and any suggested improvements are always attended to.

Two Laundry floors have been repaired, and 6 notices served to cleanse workshops.\* These have been carried out.

One Workshop was found without sanitary conveniences, at two there was not separate sanitary accommodation for the sexes, at two the sanitary accommodation was defective. These defects were remedied in each case.

There are 31 Bakehouses on the Register, one having been closed during the year, and two new premises built.

Four of the Bakehouses are "underground," but certified by the Sanitary Authority as fit for use as such. Lime-washing and cleansing have been well carried out, and any alterations suggested as necessary have also been carried out. Two floors have been put in repair, one new w.c. put in, and two roofs and spouting repaired.

In conclusion, I have to thank you, the Chairman and Members of the Health Committee, the Medical Officer of Health and Assistant Medical Officer of Health, the Town Clerk and other Officials of the Corporation, for the courtesy and help given to me at all times, without which it would be difficult to carry out the duties of the office in a successful manner.

I am, Gentlemen,

Your Obedient Servant,

J. K. ANDERSON,

Sanitary Inspector.

TOWN HALL,

FEBRUARY 24th, 1910.



### Summary of Work executed in No. 1 District, 1909.

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Drains cleansed ... ..	21
Drains reconstructed ... ..	52
Intercepting Traps fixed ... ..	25
Inspection Chambers provided ... ..	20
Soil and Ventilating Pipes fixed ... ..	24
New W.C. built ... ..	4
New W.C. Pans and Traps ... ..	66
W.C. Seats, Floors, Walls and Roofs repaired ... ..	34
W.C.'s supplied with Water ... ..	17
Washhouse Floors, Walls, and Roofs repaired ... ..	15
New Gullies fixed ... ..	102
New Glazed Sinks ... ..	19
Soft Water Cisterns cleansed ... ..	18
Soft Water Cisterns, Fittings and Pumps repaired ... ..	11
Houses Whitewashed and Cleansed by Notice ... ..	78
Structural Repairs, Floors, Walls, Ceilings, Roofs, &c. ... ..	43
Yards Repaved and Repaired ... ..	41
Overcrowding Nuisances Abated ... ..	3
Nuisances from Animals Abated ... ..	9
Accumulations of Manure and Filth Removed ... ..	27
Smoke Nuisances Abated ... ..	3
Dustbins Provided ... ..	46
Insanitary Ashpits Abolished ... ..	5
Rooms, &c., Disinfected ... ..	82
Sets of Bedding, &c., Disinfected by Steam ... ..	47
Smoke Tests to Drains ... ..	46
Water Tests to Drains ... ..	84
Visits to Work in progress (Re-Abatement of Nuisances) ... ..	411
Visits to Slaughterhouses and Offensive Trades ... ..	328
Visits to Common Lodging Houses ... ..	118
Visits to Bakehouses ... ..	96
Visits to Workshops and Laundries ... ..	163
Visits to Cowsheds, Dairies and Milkshops ... ..	206
Samples of Food taken for Analysis ... ..	82

**Borough of Royal Leamington Spa.**

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**ANNUAL REPORT**

OF THE

**SANITARY INSPECTOR**

FOR DISTRICT No. 2

**For the Year ending December 31st, 1909.**

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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 86 written and verbal complaints of Nuisances from various causes. I investigate every complaint at the earliest opportunity, and deal with each case on its merits. All complaints are treated as strictly confidential.

**General Work.**

I found it necessary to serve 209 Notices which have taken the form of letters, and 12 Statutory Notices, following the non-compliance with letters. Of these, 211 have been complied with (including those left over from last year) up to December 31st, 1909.



Police Court proceeding had to be taken to enforce four Notices.

During the year, 146 Smoke Tests and Inspections have been made, revealing 78 defective drains. These drains have either been absolutely reconstructed, or repaired and made safe.

A great improvement was carried out during the summer months at Nos. 2, 4, 6, 8, 10, 12, and 16, Russell Terrace. All the drains were found to be defective, and in four cases the drains were under the houses.

I successfully appealed through the Health Committee, to the Water and Sewage Committee, to extend their sewers to the backs of these houses. It therefore enabled the Owners to reconstruct their drains into them, and much inconvenience and expense was avoided.

I also found the drains at Nos. 18, 20, 22, 24, 26, 28, 30, and 32, Ranelagh Terrace to be defective.

These drains have been reconstructed and a great nuisance abated.

I attach a summary of other work and a list of new sanitary appliances and repairs at the end of this report.

On each visit of the Roundabouts, etc., to the field off Lower Tachbrook Street, I inspected the living vans and made enquiries as to disease or ill-health amongst the occupants. I found the vans clean and satisfactory, the occupants were apparently healthy and free from infectious disease.

### **House-to-House Inspection.**

House-to-house inspection has been carried out as time would allow, and 162 houses have been inspected by this method, 73 houses have been stripped and cleansed, in most cases throughout, during the year.

I am of opinion that the question of "Housing of the Working Classes" is gradually being solved in Leamington, in the best practicable way.

During the past few years, several streets of new houses have sprung up in the Borough, at a weekly rental of from 7 to 8 shillings. These houses are now occupied by people from older houses, consequently each grade of the working classes is gradually moving into larger and better houses.

Owners are more willing to carry out any necessary repairs, now the demand is not so great, and those who have good tenants carry out improvements in order to retain them. A general improvement in Trade would considerably help the movement.

### **Infectious Diseases and Disinfection.**

All cases of Infectious Diseases notified to the Health Department receive prompt attention, no time is lost in removing the Patient to Hospital, or procuring Isolation in a suitable room.

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

Steam Disinfection of Bedding and Fumigation of rooms is carried out as soon as possible after the removal, or recovery of a Patient.

All Free Library Books are collected from infectious houses and disinfected before being returned to the Library. The Librarian is also informed of infected houses.

I have also Steam Disinfected 59 lots of Bedding, etc. infested with vermin, or for purifying purposes, for Bedding Manufacturers and others.

### **Slaughterhouses and Offensive Trades.**

There are 3 Registered and 4 Licensed Slaughterhouses, 1 Offensive Trade Premises and 3 Skin Stores in No. 2 District, 349 inspections of these premises have been made during the year.

During the year I examined 412 live animals in the Fasting Pens, and 694 carcasses of animals in the Slaughterhouses. The cattle were in splendid condition and free from disease.

The Slaughterhouses have been kept in a cleanly condition, and there has been no necessity to request the Lime-washing of Slaughterhouses. I am also pleased to say I have had no occasion to complain of the treatment of cattle in the Slaughterhouses. The animals are killed by experienced men, and as humanely as possible.



One application was received for a License to Premises situated off the Whitnash Road, and the Health Committee granted a License conditionally on the Premises being adapted for the purpose of slaughtering animals.

The Skin Stores and Offensive Trade Premises have been kept as clean as the nature of the trades will allow.

### **Unsound Food.**

The sale of Food receives my constant attention. The hawkers' carts, shops, and premises, where such is exposed for sale, deposited for the purposes of sale, and in preparation for sale, are kept under constant supervision.

I found it necessary to seize 36 lbs. of cherries exposed for sale on a hawker's barrow which were unsound and unfit for human food. Defendant was fined £2 including costs.

I also seized "two carcasses" of rabbits "sold" to a resident by a shopkeeper, and which I found to be undergoing decomposition and unfit for human food. Police Court proceedings were instituted and defendant fined 16s. and costs.

I have informed the butchers and other vendors of food in No. 2 District that I shall be pleased to examine any animal carcass or other foods, the soundness of which they are doubtful about, and no prosecution will follow. Their loss will only be the diseased, unsound, or unwholesome food either seized, or voluntarily given up.

On the other hand, if I find unsound foods exposed for sale, deposited in any place for the purposes of sale, or in preparation for sale, it will be my duty to seize such foods and report the whole circumstances.

I am pleased to say my attention has often been called to doubtful carcasses, etc., and the owners have readily given up such portions as I deemed unfit for food. A good understanding, therefore, exists between us, which benefits the whole District.

I have visited the Restaurants in the District from time to time and have always found the food wholesome and the premises clean.

A quantity of pickled beef, fish, fruit, and vegetables, undergoing decomposition or otherwise unfit for food was destroyed at my request.

### **Sale of Ice Cream.**

During the summer months, I visited the Ice Cream Shops in the District and found the premises clean. No disease or illness could be traced to the consumption of Ice Cream.

### **Common Lodging Houses.**

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

### **Factory and Workshops Act, 1901.**

There are 45 Workshops, 17 Bakehouses, 18 Laundries, and 19 Outworkers' Premises in No. 2 District.

These Premises are visited at irregular intervals, and 180 inspections made during the year.

The Premises were generally found to be in good sanitary condition, only the few defects given below had to be dealt with by notices.

There are 4 Bakehouses unoccupied, and all the previous occupiers have left the District owing to bad trade.

In March last one of H.M. Inspector's of Factories visited the office and enquired how the Factory and Workshops Act was carried out respecting W.C. accommodation etc. I took him to several Workshops and Bakehouses in No. 2 District and he expressed himself very satisfied with what he saw.

A case of erysipelas broke out in one Outworkers' house and all necessary precautions were taken to prevent the spread of infection.

### **WORKSHOPS.**

Workshops cleansed	...	...	...	...	...	2
Workshops, new w.c. pan and trap	...	...	...	...	...	2
Workshops, w.c. pan cleansed	...	...	...	...	...	2

### **BAKEHOUSES.**

Bakehouse cleansed	...	...	...	...	...	1
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## LAUNDRIES.

Laundry, new glazed sinks provided	...	...	...	2
Laundry, cleansed and limewashed	...	...	...	2
Laundry, new w.c. pan and trap ...	...	...	...	1
Laundry, ironing room ventilated	...	...	...	1

In concluding this Report, I beg to thank you, the Chairman and Members of the Health Committee, the Medical Officer of Health, the Town Clerk and other Officials of the Borough, for the kind support and assistance given to me in the execution of my duties.

I am, Gentlemen,

Your Obedient Servant,

ARTHUR M. HARRISON, Cert. R. San. I.,

Sanitary Inspector.



Summary of Work executed in No 2 District,  
1909.

New Drains	...	...	...	...	...	...	...	65
Drains repaired	...	...	...	...	...	...	...	41
Drains cleaned	...	...	...	...	...	...	...	16
New Drain Ventilators fixed	...	...	...	...	...	...	...	11
New Soil-pipes and Ventilators	...	...	...	...	...	...	...	13
Intercepting Traps fixed...	...	...	...	...	...	...	...	19
Inspection Chambers built	...	...	...	...	...	...	...	1
Mica Flap Fresh Air Inlets	...	...	...	...	...	...	...	22
New Gullies fixed	...	...	...	...	...	...	...	97
New W.C. Pans and Traps fixed	...	...	...	...	...	...	...	106
W.C. Pans cleansed	...	...	...	...	...	...	...	10
Flushing Cisterns fixed	...	...	...	...	...	...	...	16
Pedestal Closets fixed	...	...	...	...	...	...	...	18
New W.C. Seats	...	...	...	...	...	...	...	12
W.C.'s repaired (floors, walls, ceilings, roofs) and cleansed	...	...	...	...	...	...	...	15
Container Closets abolished	...	...	...	...	...	...	...	4
New Glazed Sinks fixed (replacing defective brick sinks)	...	...	...	...	...	...	...	50
New Sink Waste Pipes fixed	...	...	...	...	...	...	...	61
Houses repaired (walls, floors, ceilings, roofs)...	...	...	...	...	...	...	...	34
Houses Spouting renewed and repaired	...	...	...	...	...	...	...	17
Houses stripped, cleansed and re-papered	...	...	...	...	...	...	...	73
Houses Overcrowded abated	...	...	...	...	...	...	...	1
Sculleries repaired and cleansed	...	...	...	...	...	...	...	39
Wash-houses repaired	...	...	...	...	...	...	...	6
Soft Water Cisterns cleansed	...	...	...	...	...	...	...	13
Soft Water Pumps repaired	...	...	...	...	...	...	...	7
Sanitary Dust Bins provided	...	...	...	...	...	...	...	131
Boundary Walls repaired	...	...	...	...	...	...	...	20
Yards re-paved and re-paired	...	...	...	...	...	...	...	23
D and Bell Traps abolished	...	...	...	...	...	...	...	5
Nuisances from Animals...	...	...	...	...	...	...	...	3
Nuisances Accumulations of Manure	...	...	...	...	...	...	...	10
Smoke Test applied to Drains	...	...	...	...	...	...	...	146
Water Test applied to New Drains	...	...	...	...	...	...	...	58
Steam Disinfections	...	...	...	...	...	...	...	59
Patients removed to Hospital	...	...	...	...	...	...	...	34
Visits to Work in Progress (Abatement of Nuisance)	...	...	...	...	...	...	...	616
House to House Inspections	...	...	...	...	...	...	...	162
Visits to Slaughter Houses	...	...	...	...	...	...	...	280



## Annual Report of the Inspector of Canal Boats for the Year ending December 31st, 1909.

GENTLEMEN,

I beg to submit the following Statistical Return of the Inspection of Canal Boats under the Canal Boats Acts 1877 and 1884.

H.M. Inspector of Canal Boats visited the Borough once during the year, and expressed his satisfaction with the execution of the Canal Boats Acts in the Borough.

No applications were made during the year for the Registration of any Canal Boats with this Authority.

Number of Boats Inspected in 1909	...	...	...	53
Number of Boats conforming to the Acts and Regulations				51
Number of Boats infringing the Acts and Regulations	...			2
Total Number for which Cabins were Registered			...	181
Total Number occupying the Cabins	...	...	...	153

### DETAILS OF OCCUPATION.

Male Adults	...	...	...	...	69
Female Adults	...	...	...	...	54
Children of School Age (over 5)	...	...	...	...	18
Children under School Age...	...	...	...	...	22

### DETAILS SHOWING TYPE OF INFRINGEMENTS FOUND.

Dilapidation of Cabin	..	...	...	...	1
Refusal of Admittance to Inspector	...	...	...	...	1
Number of Legal Proceedings taken*	...	...	...	...	1
Number of Printed Notice Forms issued	...	...	...	...	1
Number of Notices attended to	...	...	...	...	1

\*Legal proceedings were instituted against the Master of one Boat for obstructing me in the performance of my duty, by refusing to submit the bedding (which I had reason to believe was filthy) for my inspection.

Defendant pleaded "Guilty" to the charge of obstruction when before the Magistrates. However, to my surprise, the Bench dismissed the case, the Sanitary Authority having to pay the costs.

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.	Number.	* Rate.	Number.	* Rate.	Number.	* Rate.
1	2	3	4	5	6	7	8	9	10	11	12	13			
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	28,883	472	17.5	47	99.5	373	13.8	60	49	25	349	12.9			
1902	28,967	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			
1906	27,140	476	17.5	60	126.0	390	14.3	65	39	39	390	14.3			
1907	27,207	515	18.9	58	112.6	417	15.3	61	39	36	378	13.8			
1908	27,217	428	15.7	36	84.1	449	16.4	107	41	38	408	14.9			
Averages for years 1899-1908	27,181	491	18.0	59	120.8	413	15.1	69	41	33	398	14.5			
1909	27,252	432	15.8	43	99.5	407	15.0	94	63	42	386	14.1			

\* 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 ...  
Number of inhabited houses ...  
Average number of persons per house...

26,888  
5,959  
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.
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	439	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	8409	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
1906	27,140	476	390	60	7303	128	93	15	8495	177	136	24	7509	117	108	16	3833	54	55	5
1907	27,207	515	417	58	7321	124	92	11	8516	191	127	23	7528	134	111	20	3842	66	48	4
1908	27,217	428	448	36	7324	123	114	8	8519	146	137	17	7530	102	100	9	3844	57	57	2
Averages of Years 1899 to 1908.	27,181	491	407	59	7319	125	99	13	8546	183	130	21	7517	127	109	16	3838	54	51	4
1909	27,252	432	386	43	7333	101	105	13	8530	176	118	22	7540	106	100	5	3844	49	63	4

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 (including Membranous Croup) ... ..	73	...	11	19	22	21	...	4	60	5	4	...	27	2	2
Erysipelas ... ..	23	1	...	1	2	11	8	8	9	6	...	...	...	...	...
Scarlet Fever ... ..	25	...	4	13	5	3	...	7	6	6	6	5	6	4	5
Typhus Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever ... ..	2	...	...	2	...	...	...	1	1	...	...	...	...	...	...
Relapsing Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued Fever... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever ... ..	1	...	...	...	1	...	...	...	...	...	1	...	...	...	...
Plague ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Phthisis ... ..	1	...	...	...	...	1	...	...	...	1	...	...	...	...	...
TOTALS ... ..	125	1	15	35	30	36	8	20	76	18	11	5	33	6	7

Isolation Hospital, Heathcote, Warwick R.D., Total Available Beds, 70.	Number of Diseases that can be concurrently treated	3
Small-pox Hospital at Fosse, Southam R.D.		
„ 16.		1

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 & Lillingt'n W.	
Small-pox ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Measles... ..	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough ... ..	7	4	3	...	...	...	...	...	4	2	1	1
Diphtheria and Membranous Croup...	2	...	1	1	...	...	...	...	2	...	...	1
Croup ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	1
Fever—other continued ... ..	1	...	...	...	1	...	...	...	1	...	...	...
Epidemic Influenza ... ..	5	...	...	...	...	2	3	1	2	1	1	...
Cholera... ..	...	...	...	...	...	...	...	...	...	...	...	...
Plague ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhœa ... ..	3	2	...	...	...	...	1	...	1	1	1	1
Enteritis ... ..	1	1	...	...	...	...	...	...	1	...	...	1
Puerperal Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ... ..	3	1	...	...	...	...	2	1	2	...	...	...
Phthisis ... ..	20	...	...	1	2	14	3	5	5	6	4	1
Other Tubercular Diseases ... ..	9	...	1	1	4	2	1	2	3	2	2	4
Cancer, Malignant Disease ... ..	39	...	...	...	...	24	15	10	9	14	6	5
Bronchitis ... ..	30	8	...	...	...	7	15	6	12	6	6	1
Pneumonia ... ..	21	4	4	2	...	9	2	8	7	3	3	2
Pleurisy ... ..	...	...	...	...	...	...	...	...	...	...	...	1
Other Diseases of Respiratory Organs	5	...	...	...	...	1	4	1	1	1	2	...
Alcoholism—Cirrhosis of Liver ... ..	6	...	...	...	1	3	2	1	3	1	1	1
Veneral Diseases ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Premature Birth ... ..	5	5	...	...	...	...	...	3	1	...	1	1
Diseases and Accidents of Parturition	1	...	...	...	...	1	...	...	...	...	1	...
Heart Diseases ... ..	5	...	...	...	1	22	27	16	11	12	11	7
Accidents ... ..	7	2	...	...	3	...	2	3	2	2	...	8
Suicides ... ..	3	...	...	...	...	3	...	1	...	2	...	1
All other Causes ... ..	168	16	3	2	1	39	107	47	51	47	23	57
ALL CAUSES ... ..	386	43	12	7	13	127	184	105	118	100	63	94



TABLE V.—Infantile Mortality during the Year 1909.

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:—	7	1	3	2	13	7	3	3	1	2	2	2	3	1	2	1	40
Certified ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Uncertified ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Common Infectious Diseases:—																	
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chicken-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria: (including Membranous Croup)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough ...	...	...	1	...	1	1	1	...	...	...	...	1	...	...	...	...	4
Diarrhoeal Diseases:—																	
Diarrhoea, all forms	...	...	...	1	1	...	...	1	...	...	...	...	...	...	...	...	2
Enteritis, Muco-enteritis, Gastro-enteritis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Gastritis, Gastro-Intestinal Catarrh ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wasting Diseases:—																	
Premature Birth...	5	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	5
Congenital Defects	1	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	2
Injury at Birth ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Want of Breast-milk, Starvation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Atrophy, Debility, Marasmus ...	1	...	2	1	4	3	...	...	...	...	...	...	...	1	...	...	8
Tuberculous Diseases:—																	
Tuberculous Meningitis...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Tuberculous Peritonitis: Tabes Mesenterica	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Other Tuberculous Diseases	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
Erysipelas ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Syphilis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rickets ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Meningitis (not Tuberculous)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Convulsions ...	...	1	...	...	1	1	...	1	...	1	...	...	1	...	1	1	4
Bronchitis ...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	8
Laryngitis ...	...	...	...	...	...	...	...	...	...	...	...	1	2	...	...	...	...
Pneumonia ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
Suffocation, overlaying	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	2
Other Causes	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
	8	2	3	2	15	7	3	3	...	3	2	2	3	1	3	1	43

Two infants died outside Borough.

Births in the year :

Legitimate ... 409

Illegitimate ... 23

Deaths in the year of

Legitimate Infants 40

Illegitimate Infants 3

Deaths from all causes

at all ages ... 386

Population (estimated

to middle of 1909) :

27,252.



TABLE VI.—Meteorology Table of Leamington, 1909.

Month.	Means of Barom. 10 a.m.	Means Ther. at 10 a.m.	AIR TEMPERATURES.						Direction of the prevailing Wind.	RAINFALL.	
			Means of		Absolute Temperatures.					Inches.	Days.
			Max.	Min.	Max.	Date.	Min.	Date.			
January .....	29.01	41	41.54	36.25	49	26	10th, 11th.	26th.	E.	.77	13
February ...	29.96	40	39.17	33.21	53	26	4th.	23rd, 24th.	S.E.	.76	9
March .....	29.32	39	44.22	35.22	54	18	21st, 31st.	5th.	S.	2.45	15
April .....	29.86	50	59.46	41.60	69	35	10th.	2nd, 3rd.	W.	1.56	14
May.....	29.67	53	65.64	46.48	84	36	22nd.	1st.	W. & N.E.	1.08	10
June .....	29.84	55	67.60	50.73	78	43	1st, 30th.	13th.	N.	2.87	15
July.....	29.83	60	69.67	54.48	78	48	3rd.	1st, 3rd.	W.	2.88	14
August .....	29.87	62	73.06	59.80	85	47	13th.	28th.	W.	2.23	11
September...	29.91	55	59.63	50.56	67	41	7th.	2nd, 3rd.	N.E.	2.42	19
October .....	29.31	53	56.66	47.32	68	31	9th.	31st.	W.	4.48	28
November ...	29.88	43	45.33	35.80	56	26	6th.	20th, 23rd.	W.	.63	15
December ...	29.17	42	43.06	34.61	55	24	28th.	21st.	W.	3.19	25
Totals...	355.63	593	665.04	526.06	796	401	...	...	...	25.32	188
Means...	29.63	49	55.42	43.83	66	33	...	...	...	2.11	15