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Borough of Kidderminster.

Reports

ON THE

Health of the Borough

BY THE

Medical Officer of Health

AND

Sanitary Inspector.

1913.

KIDDERMINSTER :

G. T. Cheshire & Sons, Vicar Street and Mill Street.



# HEALTH COMMITTEE.

KIDDERMINSTER CORPORATION.

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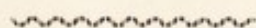


## **Chairman :**

COUNCILLOR W. CHADWICK.

## **Vice-Chairman :**

COUNCILLOR J. BOYLE, J.P.



## THE MAYOR

(ALDERMAN MICHAEL TOMKINSON, D.L., J.P.), EX-OFFICIO.

## THE DEPUTY MAYOR

(COUNCILLOR JOHN JOHNSON), EX-OFFICIO

ALDERMAN CLEMENT DALLEY, J.P.

„ J. RAY, J.P.

COUNCILLOR W. COOKE,

„ A. DANBY,

„ W. EVANS,

„ W. T. PEARSE,

„ F. TANDY,

„ M. WAITE,

„ J. WRIGHT.

## **Medical Officer of Health :**

W. H. MOORE, M.R.C.S., L.R.C.P. Lond.

## **Public Analyst :**


E. W. T. JONES, F.I.C.

## **Sanitary Inspector :**

J. T. COWDEROY, M.S.I.A.

## **Assistant Inspector :**

H. J. PARKER.



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# Annual Report.

FOR THE YEAR, 1913.

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TOWN HALL,

February 23rd, 1914.

*To the Chairman and Members of the Health Committee.*

GENTLEMEN,

I beg to present to you my second Annual Report upon the Health and Sanitary conditions of the Borough.

## **Social Conditions of the Borough.**

The following figures will be of interest :—

Acreage of Borough	...	2496 acres
Population at Census	...	27544
Density of Population	...	11·03 per acre
Inhabited Houses	...	6380 (estimated)

**Subsoil.** The Town is situated in a hollow, the subsoil is formed by beds of the new red sandstone series, partly a soft sandstone rock, partly loose incoherent gravel.

In the bottom of the valley near the river there is a bed of superficial clay.

**Height above Sea Level.** The Bull Ring is the lowest part of the Town, being 110 feet above sea level. Lea Bank Avenue is the highest, being 265 feet above sea level.

**Industries.** The chief industry is the manufacture of carpets. There are over forty factories and workshops in the Borough carrying on the trades of Carpet Manufacturers, Worsted and Yarn Spinners, Iron and Brass Founders, Millers, Brewers, Tanners, Chemical, Dry Soap and Oil Manufacturers. Trade has been good during the year and the number of unemployed is very few.

**Poor Law Relief.** The amount of Poor Law relief for the year has been £1655 16s. 0d.

**Old Age Pensioners** The number of Old Age Pensioners, week ending September 30th, 1913, was 708, males 269 and females 434. The estimated total amount paid during the year to Old Age Pensioners was £8944.

### **Public Institutions.**

**Kidderminster Infirmary and Children's Hospital.** This Institution is supported by voluntary contributions.

In-Patients admitted during the year.

Adults	...	458	{	204	belonging	to Kidderminster.
			{	254	„	to the Country.
Children	...	190	{	111	belonging	to Kidderminster.
			{	79	„	to the Country.

Out-Patients admitted during the year.

	982	{	706	belonging	to Kidderminster.
		{	276	„	to the Country.

Anæsthetics administered 758.

There were 705 teeth extracted under anæsthetics.

The income during the year has been £2492 0s. 1d.

The expenditure „ „ „ £3236 4s. 0d.

Showing a deficit of ... £744 3s. 11d.

**The Borough Infectious Hospital.** The Scarlet Fever Hospital is the property of your Council, and is situated near the Stourport Road, about  $1\frac{1}{2}$  miles from the centre of the Borough.

Special arrangements are made for admitting patients from the following Districts :

Rural District of Kidderminster,  
Martley Rural District,  
Stourport Urban District,  
Bewdley Borough.

Admissions during the year: 24 from the Borough, and 6 from the Districts.

The Small Pox Pavilion is situated about 170 yards away from the Scarlet Fever Pavilions, and is enclosed with a fence of sheet iron.

**Workhouse.** The Workhouse for the Borough and surrounding Parishes is situated in Sutton Road.

The Inmates on December 31st, 1913, numbered 315, of these there were classed as sick 138.

There is a special Ward for Phthisical Patients.

**Tuberculosis Dispensary.** The number of patients attending during the year have been very few.

**Nursing Institution.** Established on a civic basis, and supported by voluntary contributions for the purpose of supplying the sick poor with Queen's Nurses. Excellent work is being done by these District Nurses.

**Health Missioner.** During the year an arrangement has been made with the Kidderminster Nursing Institution, to supply a Nurse as Health Visitor. This arrangement is working very well. A copy of her report for 1913, will be found on page 43.

## **Charities.**

**Guild of Help.** This is a good example of organized charity, and is doing good work, especially in helping poor people to obtain Hospital or Convalescent notes.

**Witnell's Alms and Clare's Charity.** This combined charity finds shelter for eight old people in the almshouses, and also gives them a weekly allowance.

The gross income of the charity is £259 per annum.

**Banks' Charity.** This consists of six almshouses situated in Broad Street, and accommodates twelve old people.

## **Park and Open Spaces.**

**Brinton Park.** There is a Public Park in the Borough known as Brinton Park which contains 30 acres. There is a Bowling Green, and facilities are afforded for games for children.

A small portion is reserved for model gardens, which are cultivated by children living in the Borough.

The Park is well kept and continues to attract large numbers of the public during the summer months.

**Open Spaces.** I still urge the necessity of open spaces to be used as playgrounds for children, and regret that the two existing spaces have not been added to during the year.

## **Markets.**

**Retail Market.** This market is large, efficiently lighted and well looked after by the staff of your Committee.

**Cattle Market.** The Cattle Market is one of the largest in the Midlands, and is well patronized by Farmers and Dealers. I must again repeat I sympathize with complaints from owners of animals as to the want of covered accommodation. The condition of animals intended for human food is not improved by being brought out of a warm stall and kept for hours in the open, exposed to all weathers.

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## **VITAL STATISTICS.**

**Births.** During the year there have been registered 598 births.

Males, 299	}	An increase of 50 on the year
Females, 299	}	1912.

Four of these (3 illegitimate and 1 legitimate) were transferred by the Registrar General to other districts making a nett total of			594
Nett rate per 1000 of population	...	...	21 44
Nett rate per 1000 of population, 1912, for the County of Worcester	...	...	22·5

**Illegitimate.** The number during the year of illegitimate births has been 24.

Males, 15	}	A rate of 4·01 for every 100 births registered in the district.
Females, 9	}	

Seven of these births occurred in the Workhouse.

The occupation of the mothers was as follows :

Charwoman	...	...	...	1
Domestic Servants	...	...	...	7
Mill Hands	...	...	...	14
Laundress	...	...	...	1
Field Worker	...	...	...	1

The number of illegitimate births registered in 1912 was 32.

**Still Births.** The Cemetery Superintendent informs me that there have been eleven still births interred during the year, 5 certified by medical men, 6 by midwives.

**Deaths.** The total number of deaths (residents and non-residents) from all causes registered in the district during the year has been 389.

Males, 197 ; Females, 192 ; rate per 1000, 14·04.

**Deaths**—continued. Deaths in the Workhouse, 56 :—  
Residents, 40 ; Non-residents, 16.

Deaths in the Infirmary, 43 :—Residents, 21 ; Non-residents, 22.

The ages at which the deaths have taken place during the year are as follows :—

Under 1 year	...	...	75
Between 1 to 2 years	...	..	14
„ 2 and 5	„	...	9
„ 5 „ 15	„	...	11
„ 15 „ 25	„	...	17
„ 25 „ 45	„	...	44
„ 45 „ 65	„	...	80
„ 65 and upwards...	...	...	139
			<hr/>
			389
			<hr/>

**Transferable Deaths.** Fourteen Kidderminster Residents having died in other districts have been notified to us by the Registrar General, and have been included in our tables.

Forty-five Deaths of Non-Residents have occurred in Kidderminster, these have been transferred to other Districts.

Total number of deaths of residents, 1913	...	358
„ „ „ 1912	...	313

**Nett Death Rate.** The nett death rate for residents in the Borough of Kidderminster during 1913, has been 12·92 per 1000 of the population, against 12·82 for 1912.

The nett death rate for England during 1912, was 13·3.

### Inquests held during 1913.

1.	NATURAL CAUSES	...	...	...	4
2.	ACCIDENTS.	...Crushed by Loom	...	...	1
		...Kicked by Horse	...	...	1
		...Suffocation	...	...	2
		...Falls	...	...	3
		...Shock from Burns	...	...	3
		...Scalds	...	...	1
		...Fractured Skull	...	...	1
3.	OTHERS.	...Suicide during Temporary			
		Insanity	...	...	1
					<hr/>
					17
					<hr/>

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**Marriages.** The number of marriages which took place in the Borough in the year 1913 was 294.

The number during 1912 was 283.

**Infantile Mortality.** The number of children under one year of age that have died during 1913 have been 72, which is equal to a death rate per 1000 births of 120·40.

For the year 1912 it was 55, equivalent to 100·91.

The average for the past ten years has been 136·23.

The following Table shows the ages at which the deaths of the infants under 1 year occurred :—

Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total Under 1 Month	1-3 Months	3-6 Months	6-9 Months	9-12 Months	Total Deaths under 1 year
9	6	4	4	23	13	21	9	6	72

**Bronchitis.** Bronchitis was the cause of 5 deaths, this is much lower than last year.

**Diarrhœa and Enteritis.** Twenty-three deaths occurred from Diarrhœa and Enteritis. The number during 1912 was 4.

TABLE I.

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## Vital Statistics of Whole District during 1913 and previous Years.

YEAR	Population estimated to Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFERABLE DEATHS. †		NETT DEATHS BELONGING TO THE DISTRICT.			
		Un-corrected Number.	Nett.	Number. *	Rate.	Of Non-residents registered in the District. †	Of Residents registered in the District. †	Under 1 Year of Age.		At all Ages.	
			Number. †					Number. *	Rate per 1,000 Nett Births. 11	Number. *	Rate.
1	2	3	4	5	6	7	8	9	10	12	13
1908	24,700		522	21'13	409	16'55	45	0	63	364	14'73
1909	24,700		560	22'67	483	19'55	39	2	90	444	17'97
1910	24,700		503	20'36	389	15'75	54	0	73	334	13'52
1911	24,400		536	21'96	420	17'21	54	13	80	379	15'53
1912	24,400	548	545	22'33	348	14'26	46	11	55	313	12'82
1913	27,700	598	594	21'44	389	14'04	45	14	72	358	12'92

TABLE III.  
Causes of, and Ages at Death during the year 1913

CAUSES OF DEATH		Nett Deaths at the subjoined ages of "Residents" whether occurring within or without the District (a).									Total Deaths whether of "Residents" or "Non- Residents" in Institutions in the District (b).
		All Ages.	Under 1 Year	1 and under 2	2 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards	
1		2	3	4	5	6	7	8	9	10	11
All causes	{ Certified (c) Uncertified	350 8	70 2	13 ...	9 ...	8 ...	18 ...	31 1	77 2	124 3	...
Enteric Fever	...	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...	...
Measles	...	3	...	1	...	1	1	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough	...	3	1	2	...	...	...	...	...	...	...
Diphtheria and Croup	...	...	...	...	...	...	...	...	...	...	...
Influenza	...	4	...	...	...	...	...	1	1	2	1
Erysipelas	...	...	...	...	...	...	...	...	...	...	...
Phthisis (Pulmonary Tuberculosis)	...	27	1	...	2	1	11	7	4	1	4
Tuberculous Meningitis	...	3	3	...	...	...	...	...	...	...	...
Other Tuberculous Diseases	...	6	1	...	2	2	1	...	...	...	2
Cancer, malignant disease	...	29	...	...	...	...	...	4	16	9	16
Rheumatic Fever	...	...	...	...	...	...	...	...	...	...	...
Meningitis. See note (d)	...	3	1	1	...	1	...	...	...	...	2
Organic Heart Disease...	...	38	...	...	...	...	...	4	15	19	10
Bronchitis	...	32	5	3	...	...	...	1	5	18	9
Pneumonia (all forms)	...	15	5	2	2	1	...	...	1	4	3
Other diseases of respiratory organs	...	5	...	...	...	...	...	2	2	1	2
Diarrhoea and Enteritis. See note (e)	...	32	23	3	2	...	1	1	1	1	1
Appendicitis and Typhlitis	...	3	...	...	...	1	1	1	...	...	3
Cirrhosis of Liver	...	1	...	...	...	...	...	...	1	...	...
Alcoholism	...	...	...	...	...	...	...	...	...	...	...
Nephritis and Bright's Disease	...	24	...	...	1	1	1	2	9	10	5
Puerperal Fever	...	...	...	...	...	...	...	...	...	...	...
Other accidents and diseases of Pregnancy and Parturition	...	2	...	...	...	...	...	2	...	...	...
Congenital Debility and Malforma- tion, including Premature Birth	...	20	20	...	...	...	...	...	...	...	3
Violent Deaths, excluding Suicide...	...	11	...	1	...	...	1	1	3	5	5
Suicide	...	...	...	...	...	...	...	...	...	...	...
Other Defined Diseases	...	95	12	...	...	...	1	6	20	56	33
Diseases ill-defined or unknown	...	2	...	...	...	...	...	...	1	1	...
		358	72	13	9	8	18	32	79	127	99
Sub-Entry included in above figures.	{ Lobar Pneumonia	2	...	...	...	...	...	...	1	1	1



**Monthly Returns of Births and Deaths**  
**for the Borough of Kidderminster,**

As presented to the Health Committee at each Meeting held  
every fourth Monday.

BIRTHS.					DEATHS.				
Month ending	Males	Females	Total	Rate per 1000 of the population	Month ending	Males	Females	Total	Rate per 1000 of the population
1913					1913				
Jan. 27	32	22	54	25'34	Jan. 27	8	15	23	10'79
Feb. 24	14	17	31	14'55	Feb. 24	16	14	30	14'07
Mar. 24	22	31	53	24'87	Mar. 24	17	17	34	15'95
Apl. 21	26	26	52	24'40	Apl. 21	18	15	33	15'48
May 19	29	23	52	24'40	May 19	13	26	39	18'30
June 16	25	31	56	26'28	June 16	17	11	28	13'14
July 14	17	21	38	17'83	July 14	14	10	24	11'26
Sept. 8	51	46	97	20'77	Sept. 8	35	25	60	14'07
Oct. 6	16	22	38	17'83	Oct. 6	21	12	33	15'48
Nov. 11	28	20	48	22'52	Nov. 11	16	10	26	12'20
Dec. 1	26	15	41	19'24	Dec. 1	12	11	23	10'79
„ 29	22	25	47	22'05	„ 29	19	10	29	13'61
Totals	308	299	607	21'67	Totals	206	176	382	13'75

## Street List of Deaths from all Causes.

Locality.	No. of Deaths	Locality.	No. of Deaths
Albert Road	... 2	Horsefair	... 2
Anchor Fields	... 4	Hume Street	... 1
Back Queen Street	... 1	Hurcott Road	... 4
Baxter Avenue	... 6	Jerusalem Walk	... 2
Bewdley Hill	... 4	Lark Hill	... 2
Bewdley Street	... 5	Lea Street	... 1
Birmingham Road	... 1	Leswell Street	... 3
Blackwell Street	... 7	Lion Street	... 1
Blakebrook	... 1	Long Acre	... 1
Broad Street	... 10	Lorne Street	... 3
Broadwaters	... 6	Marlpool Lane	... 1
Bromsgrove Street	... 6	Mason Road	... 1
Brook Street	... 1	Mill Street	... 9
Bull Ring	... 1	Mill Lane	... 1
Castle Road	... 2	New Road	... 1
Chapel Street	... 6	Offmore Road	... 8
Charles Street	... 2	Orchard Street	... 3
Chester Road	... 3	Park Lane	... 4
Churchfields	... 2	Park Street	... 9
Church Street	... 3	Paternoster Row	... 1
Church Walk	... 1	Peel Street	... 3
Claughton Street	... 3	Pitt Street	... 1
Clensmore Street	... 5	Pleasant Harbour	... 1
Cobden Street	... 1	Pleasant Street	... 4
Comberton Hill	... 1	Poplar Row	... 1
Comberton Road	... 1	Prospect Lane	... 1
Connaught Avenue	... 1	Prospect Hill	... 1
Constitution Hill	... 2	Queen Street	... 5
Coventry Street	... 8	Rackfields	... 2
Crescent Road	... 1	Radford Avenue	... 3
Cross Street	... 2	Shrubbery Street	... 3
Crowther Street	... 2	Silver Street	... 4
Dudley Street	... 7	South Street	... 5
Duke Street	... 1	Spencer Street	... 2
East Street	... 7	Stourbridge Road	... 4
Edward Street	... 4	St. George's Terrace	... 1
Farfield Street	... 2	St. John's Street	... 1
Findon Street	... 4	Sutton Road	... 8
Foley Park	... 2	Union Street	... 3
Franche Road	... 3	Villers Street	... 1
Franche	... 1	Waterloo Street	... 3
Franchise Street	... 4	Wood Street	... 10
Garrick Place	... 1	Woodfield Crescent	... 5
George Street	... 8	Woodfield Street	... 1
Grosvenor Avenue	... 1	Worcester Street	... 2
Habberley Road	... 1	Workhouse	... 40
Habberley Street	... 2	Workhouse(Non-Residents)	16
Hall Street	... 2	Infirmary	... 21
Hemming Street	... 1	Infirmary (Non-Residents)	22
Hill Street	... 1		
Hoo Road	... 4	Total	... 389

## NATURAL INCREASE OF POPULATION.

### Excess of Births over Deaths since 1894.

Year	Total Births	Total Deaths	Excess of Births over Deaths
1894	641	391	250
1895	637	471	166
1896	614	398	216
1897	617	427	190
1898	568	394	174
1899	571	436	135
1900	600	542	58
1901	622	496	126
1902	622	433	189
1903	637	414	223
1904	627	469	158
1905	590	395	195
1906	615	374	241
1907	550	336	214
1908	522	364	158
1909	560	483	77
1910	503	389	114
1911	536	420	116
1912	548	348	200
1913	598	389	209

The excess of births over deaths, 1894 to 1903, was 1,727. During the latter ten years it has fallen to 1,682, showing a decrease of excess of 45 on the previous ten years.

Average Births per annum for the past 20 years, 553'9.

Average excess of births over deaths :—

1st 10 years	...	...	172'7
2nd „	...	...	168'2
And for the whole	...	...	170'4

First 10 years was 2 above the average for 20 years.

Second 10 years 2 below the average.

### DEATHS.

1894 to 1903	...	...	4402
1904 to 1913	...	...	3967
			—
Difference	...	...	435
			—

## ZYMOTIC DISEASES.

The Deaths from the principal Zymotic Diseases during last year have been 65, equal to a rate of **2·34** per 1000. Below is a table showing the number of deaths during the past 10 years :—

DISEASES.	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904
Small Pox ...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...	...	2	4	1	...	...	...	...	...	2
Typhoid Fever ...	...	...	...	...	...	1	...	...	2	1
Measles ...	3	2	5	...	36	...	...	1	2	...
Diphtheria ...	...	...	...	...	...	2	1	2	2	1
Diarrhœa ...	32	5	33	7	3	3	9	14	13	11
Whoop. Cough ...	3	15	...	12	4	3	8	7	8	4
Pulmonary Tuberculosis ...	27	...	...	...	...	...	...	...	...	...
Totals ...	*65	24	42	20	43	9	18	24	27	19

\* Enlarged Borough, Pulmonary Tuberculosis now included for the first time.

The following table gives the number of diseases notified in the year 1913, and in the nine previous years :—

DISEASES.	Total 1913	Total 1912	Total 1911	Total 1910	Total 1909	Total 1908	Total 1907	Total 1906	Total 1905	Total 1904
Small Pox ...	...	...	...	...	...	...	...	...	...	2
Cholera ...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	7	1	7	8	17	11	8	8	10	22
Membranous Croup ...	1	...	...	...	...	1	...	1	...	...
Erysipelas ...	15	20	29	29	14	20	31	20	47	30
Scarlet Fever ...	33	143	216	116	62	27	15	27	69	299
Typhus Fever ...	...	...	...	...	...	...	...	...	...	...
Typhoid Fever ...	...	...	1	...	1	1	5	...	2	1
Puerperal Fever ...	...	...	1	1	...	...	...	1	1	...
Ophthalmia Neonatorum ...	3	6	1	...	...	...	...	...	...	...
Pulmonary Tuberculosis ...	48	43	...	...	...	...	...	...	...	...
Other Tuberculous Diseases ...	26	...	...	...	...	...	...	...	...	...
Totals ...	133	213	255	154	94	60	59	57	129	354

**CASES of INFECTIOUS DISEASE**  
**Notified during the Year 1913.**

NOTIFIABLE DISEASE	NUMBER OF CASES NOTIFIED.							
	At Ages—Years.							
	At all ages	Under 1	1 and under 5 years	5 and under 15 years	15 and under 25 years	25 and under 45 years	45 and under 65 years	65 and upwards
Small-pox ... ..	...	...	...	...	...	...	...	...
Cholera (C) Plague (P) ...	...	...	...	...	...	...	...	...
Diphthera (including Membranous croup) ...	8	...	2	2	1	3	...	...
Erysipelas ... ..	15	...	...	...	...	4	7	4
Scarlet Fever ... ..	33	...	6	20	4	3	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Enteric Fever ... ..	...	...	...	...	...	...	...	...
Relapsing Fever (R) Continued Fever (C) ...	...	...	...	...	...	...	...	...
Puerperal Fever ... ..	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis ...	...	...	...	...	...	...	...	...
Poliomyelitis ... ..	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis... ..	48	...	1	3	15	22	7	...
Other forms of Tuberculosis ... ..	26	6	3	6	5	5	1	...
Ophthalmia Neonatorum... ..	3	3	...	...	...	...	...	...
Totals ... ..	133	9	12	31	25	37	15	4

**Small Pox.** No case of this disease has occurred in the Borough since 1904.

**Hospital.** We have one iron Pavilion, containing two wards, six beds in each ward, Nurse's Bed Sitting Room, Kitchen, Scullery, Larder, Out-Offices, Laundry, Ambulance House, Mortuary, and a wooden building for the use of staff.

This is a good building standing high up, in my opinion it would make an excellent Sanatorium for Tubercular patients. I should like to call the attention of the County Council and the National Insurance Committee to this fact.

**Return by the Vaccination Officer for the Kidderminster  
Vaccination District**

(which extends beyond the Borough Boundaries).

Births	Deaths Unvaccin- ated.	Vaccinated.	Unvaccinated.	Exemption Certificates.
617	57	190	87	283

I regret to see the growing tendency of the public for obtaining Exemption Certificates for their children.

Nothing in medicine is more certain than the fact that vaccination does protect more or less from small pox.

**Diphtheria.** Seven cases, generally of a mild type, were notified during the year, no deaths. No cause could be found in the sanitary surroundings.

Your Committee have passed a resolution authorizing the supplying of Diphtheria Antitoxin, free of charge, to medical men, for treatment of the poorer inhabitants of the borough, two lots of Antitoxin have been supplied during the year. Nine swabs were supplied for diagnostic purposes.

**Erysipelas.** Fifteen cases with no deaths.

The average number of cases notified during the last 10 years was 27.

**Erysipelas**—continued. Number of cases notified in January, 1; February, 2; March, 2; April, 5; May, 1; October, 1; November, 1; December, 2.

**Scarlet Fever.** We have had 33 Notifications of this disease for 1913, and no deaths, against 143 and 1 death in 1912.

BOROUGH CASES ONLY.

MONTHS.	Notifi- cations	Removed to Hospital	Nursed at Home	Deaths in Hospital	Deaths at Home
January ...	3	2	1	...	...
February ...	1	1	...	...	...
March ...	3	2	1	...	...
April ...	4	2	2	...	...
May ...	3	3	...	...	...
June ...	1	1	...	...	...
July ...	...	...	...	...	...
August ...	2	1	1	...	...
September ...	7	6	1	...	...
October ...	5	5	...	...	...
November ...	4	1	3	...	...
December ...	...	...	...	...	...
Totals ...	33	24	9	...	...

## Borough Hospital.

**Hospital.** There are three corrugated iron Pavilions, containing eight wards for 38 beds, with Bath Rooms and W.C's to each ward.

There is a Discharging Ward, containing four rooms, viz : Unrobing, Bath, Dressing, and Waiting Room.

Out-offices consist of Administrative Block, Laundry, Mortuary, Thresh Steam Disinfector, and Lodge for man and wife.

Number in Hospital, on December 31st, 1912 ...	16
Number of Scarlet Fever Cases admitted from January 1st, 1913, to December 31st, 1913 ...	30
Number of Scarlet Fever (Discharged Cured) ...	44
Number of Deaths ... ..	0
Average number of days each patient discharged remained in Hospital ... ..	50
Remaining in Hospital on December 31st, 1913	2

Of the 30 cases admitted during year there were :—

From the Borough ... ..	24
From the Rural District of Kidder- minster ... ..	1
From Martley ... ..	4
From Bewdley ... ..	1
	—
	30
	—

The monthly admissions from the Borough were :—

January (2) ; February (1) ; March (2) ; April (2) ; May (3) ;  
June (2) ; July (0) ; August (4) ; September (6) ; October (5) ;  
November (2) ; December (1).

Your Committee have now in hand the question of heating the wards at the Hospital.

**Typhus, Typhoid, Puerperal Fever.** No Cases.

**Measles.** Eighty-five cases have come officially to our knowledge. This number represents only a small proportion of the cases that have occurred. Three deaths.

**Whooping Cough.** Three deaths, all under five years of age, 12 deaths less than 1912.

**Diarrhœa.** Thirty-two deaths.

**Ophthalmia Neonatorum.** Three cases.

**Anthrax.** One case.

**Tuberculosis.** Seventy-four cases of this disease have been notified during the year, viz : —

Pulmonary cases	...	...	48
Other Forms	...	...	26
			—
			74
			—

**Pulmonary Tuberculosis.** Twenty-seven deaths have occurred at the following ages :—

1 to 15 years	...	...	4
15 to 25 „	...	...	11
25 to 45 „	...	...	7
45 to 65 „	...	...	4
65 and upwards	...	...	1
			—
			27
			—

Eleven more than the previous year.

Other forms of Tuberculosis nine deaths; the ages at which the deaths occurred are as follows :—

Under 1 year	...	...	4
1 to 5 years	...	...	2
5 to 15 „	...	...	2
15 to 25 „	...	...	1
			—
			9
			—

One more than last year.

The following table shows chief occupations of the deceased persons.—

Domestics	...	...	6
Labourers	...	...	4
Mill Hands	...	...	4
Weavers	...	...	3
Designer	...	...	1
Brass Caster	...	...	1
Builder	...	...	1
Musician	...	...	1
Forgeman	...	...	1
Mechanic	...	...	1
Dressmaker	...	...	1
Children	...	...	12
			—
			36
			—

#### Ten Years Mortality from Pulmonary Tuberculosis.

Date.		Number		
1904	...	...	...	20
1905	...	...	...	21
1906	...	...	...	19
1907	...	...	...	21
1908	...	...	...	19
1909	...	...	...	28
1910	...	...	...	27
1911	...	...	...	21
1912	...	...	...	15
1913	...	...	...	27
Total	...	...	...	218
Average	...	...	...	21.8

Where practicable these cases are visited after being notified, all particulars available are entered in the Register. The Health Missioner gives advice (printed circulars, etc.) as to the best means of preventing the spread of infection.

During the year fourteen bottles were supplied to medical men to send sputum, for bacteriological examination.

## Street List of Known Cases of Infectious Diseases.

STREETS.	Small Pox	Measles	Scarlet Fever	Typhoid Fever	Diphtheria	Membranous Croup	Erysipelas	Puerperal Fever	TOTAL
Adam Street ...		2							2
Anchor Fields ...		3					1		4
Arch Hill ...		1							1
Baxter Avenue ...			1						1
Bewdley Hill ...			1						1
Birmingham Road			1						1
Bromsgrove Street		5							5
Broadwaters ...							1		1
Coventry Street ...		1			1		1		3
Chapel Street ...							1		1
Charles Street ...							1		1
Chester Road ...			2						2
Cloughton Street ...							1		1
Clensmore Street ...			3						3
Comberton Hill ...		2	2						4
Constitution Hill ...		2							2
Cross Street ...			2			1			3
East Street ...		3							3
Fair Street ...		3							3
Findon Street ...		2							2
Franche ...			1				1		2
Franchise Street ...		1							1
George Street ...		4							4
Grosvenor Avenue		1							1
Habberley Road ...		1							1
Hemming Street ...		1			1				2
Hoo Road ...		8	1						9
Horsefair ...			1						1
Hume Street ...		1							1
Hurcott Road ...		1	1				1		3
Infirmery ...			8						8
Leswell Street ...					1				1
<i>Carried forward ..</i>		42	24		3	1	8		78

**Street List of Known Cases of Infectious Diseases—**  
*continued.*

STREETS.	Small Pox	Measles	Scarlet Fever	Typhoid Fever	Diphtheria	Membranous Croup	Erysipelas	Puerperal Fever	TOTAL
<i>Brought forward</i> ...		42	24		3	1	8		78
Lea Street ...			1						1
Lion Street ...		1			1				2
Mill Lane ...			1						1
Mill Street ...					1				1
New Road ...		7							7
Offmore Road ...		5	1						6
Oxford Street ...							1		1
Park Butts ...					1				1
Park Street ...			1						1
Pitt's Street ...							1		1
Pleasant Street ...		2							2
Prospect Hill ...		1							1
Radford Avenue ...			1						1
Shrubbery Street ...		2							2
South Street ...		3							3
St. George's Terrace ...		1					2		3
Silver Street ...		1					1		2
Spencer Street ...		1	1						2
Stourbridge Road...			1						1
Sutton Road ...		6			1				7
Talbot Street ...		1							1
Washington Street ...		2							2
Wood Street ...		1	1				2		4
Woodfield Crescent ...		6	1						7
Worcester Street ...		3							3
<b>TOTALS</b> ...		85	33		7	1	15		141

**CANCER.**

During the year we have had 29 deaths. Under this heading are included all forms of malignant disease. The following table shows the various types :—

Cancer	...	...	...	4
Scirrhus	...	...	...	1
Carcinoma	...	...	...	17
Epithelioma	...	...	...	1
Sarcoma	...	...	...	0
Malignant Disease	...	...	...	4
Malignant Growth	...	...	...	1
Endothelioma	...	...	...	1

The frequency with which the different parts of the body were affected, was as follows :—Abdomen 18, Tongue 1, Pharynx 1. Breast 4, Liver 1, Throat 1, Mouth 2, Brain 1.

*Occupations of Deceased Persons :—*

Domestics	...	...	...	11
Weavers	...	...	...	3
Stokers	...	...	...	2
Clerk	...	...	...	1
Labourer	...	...	...	1
Licensed Victualler	...	...	...	1
Mill Sweeper	...	...	...	1
Charwoman	...	...	...	1
Commercial Traveller	...	...	...	1
Engineer	...	...	...	1
Music Seller	...	...	...	1
Musician	...	...	...	1
Policeman	...	...	...	1
Grocer	...	...	...	1
Bricklayer	...	...	...	1
School Mistress	...	...	...	1
				—
				29
				—

Three deaths less than in 1912.

### Ten Years Mortality from Cancer.

Date.	Number.		
1904	...	...	26
1905	...	...	24
1906	...	...	30
1907	...	...	17
1908	...	...	25
1909	...	...	19
1910	...	...	27
1911	...	...	23
1912	...	...	32
1913	...	...	29
Total	...	...	252
Average	...	...	25.2

### Respiratory Diseases.

Under this heading are included : Pneumonia, Bronchitis, and Pleurisy. During the year 52 deaths have been registered, being 18 deaths less than in 1912, (Old Borough).

**Public Health (Milk & Cream) Regulations, 1912.**  
The following is the Analyst's return on the Samples examined in accordance with these Regulations :—

**Creams and Preserved Creams for Borough  
of Kidderminster, Year 1913.**

	Samples examined for preservative.	Samples in which pres- ervatives found.	Nature and amount of pre- servative found.
Milk ...	27	0	
Cream ...	1	0	

Determinations made of Milk Fat in Creams sold as  
Preserved Creams.

- (1) Above 35 % 3 (47.51, 51.49, 47.78 %).
- (2) Below 35 % 0

**Thickening Substances.**

	Samples examined for thickening substance.	Samples in which thicken- ing substance found.	Nature and amount of thickening substance found.
Cream ...	1	0	
Preserved Cream	3	0	

E. W. T. JONES, Public Analyst.

The details of samples submitted will be found in the  
Inspector's report.

**Unsound Food.** We have had twenty-four surrenders  
and five seizures of unsound food during the year, the total  
weight being 2744 lbs.

## **Sanitary Circumstances of the District.**

**Water Supply.** The water supply of the Borough is derived from an Artesian Well 300 feet deep.

The analysis by the Borough Analyst showed it to be of good quality.

There is plenty of water and the supply has been continuous during the whole year.

All the houses in the Broadwaters district which was annexed to our Borough in 1912, were supplied by private wells, many of which must have drawn their supply from the surface, as upwards of 30 of the waters from the wells were analysed and in only two instances were the waters reported fit for drinking purposes. We have since caused every owner to lay on Town Water to his property.

The River Stour flowing through the centre of the town is free from any injurious pollution.

The sewers, although some are slightly deficient in fall, are well ventilated and with the care bestowed on them by your Borough Surveyor, are acting very efficiently.

## **Sewage Department.**

The Borough Surveyor has kindly supplied me with the following information :—

Careful attention has been paid to the Flushing and Disinfecting of the Sewers. During the year 1,688 cart loads of water, equal to 506,400 gallons, being used.

The bed of the River Stour near the Post Office was cleaned out in May last; 53 loads of refuse were removed. From the Detritus Chamber at the Pumping Station 437 loads of refuse were removed, and 129 loads from the Manholes connected with the Sewers.

The sewage after gravitating to the Pumping Station in New Road, is pumped up to the farm on the Stourport Road.

**Sewerage of added Areas.** Part of the added area (Franché and Hill Grove Crescent) are already connected with our sewers.

During the coming year we hope that the sewerage of Foley Park will be completed—the sanitary condition of that district is very bad.

**Scavenging and Refuse Disposal.** I would refer you to the Inspector's report for details.

The bulk of our household ashes and refuse is deposited on low lying land at Oldington Farm.

Court sweeping is done as circumstances permit by your department, much to the advantage of the residents in courts and large party yards; I am sorry to say some of whom are very lazy and dirty.

**Schools.** The school buildings have been inspected and have been found in good sanitary condition.

**Food and Drugs Acts.** Sixty-four samples have been submitted for analysis, and 60 found genuine.

Milk, 27 samples	...	...	...	1 adulterated
Butter, 9 samples	...	...	...	all genuine
Miscellaneous Articles (28 samples)			{ 1 Pearl Barley	
		3 adulterated	{ 2 Gregory Powder	

### **Inspection of District.**

During the year I have inspected several parts of the Borough, both in company with the Housing Committee and also with the Sanitary Inspector.

The only matter calling for special attention is the cleansing and grooming of cows which in my opinion is a matter of urgency, I hope in the new Milk Bill, which will shortly be introduced into the House of Commons, some stringent provisions will be enacted to enable Local Authorities to insist upon the grooming of cows.

There is no doubt that the germs from the intestines (even of a healthy cow) when introduced into milk, manufactures a poison which acts as an irritant to the alimentary canal of a child.

I have personally visited some of the slaughter houses and their condition generally was fair, perhaps a little more lime-washing would be better.

The inspection of meat and slaughter houses is carried on very efficiently by your Sanitary Inspector and his staff.

**Bakehouses.** During the year I have visited the bake-houses and found some of them in a satisfactory condition, others were not quite up to the standard of cleanliness desired.

---

## Housing, Town Planning, etc., Act, 1909.

The work under this Act is proceeding in a satisfactory manner.

The Inspecting Officer under this Act has inspected 878 houses, particulars of which have been entered up in the register.

Details of the work generally will be found in the Inspector's report, page 56.

During the year we have dealt with thirty-seven houses for Closing Orders, the majority of them will be repaired and made fit for human habitation.

**Voluntary Action.** Seven Houses have been dealt with after interviews with the owners.

The Surveyor reports that the following Plans have been submitted and approved by the Parks and Buildings Committee :

Dwelling-Houses	...	...	48
Shops	...	...	3
Additions and Alterations to Houses...			20
Additions to Carpet Works	...		4
Extensions to Iron Works	...		2
Shop Fronts	...	...	2
Additions to Offices	...	...	1
Alterations to Licensed Premises	...		3
New Hotel	...	...	1
Club Room	...	...	1
Cow Shed	...	...	1
Sheds	...	...	5
Bakehouse	...	...	1
Total			92

Compared with 50 last year.

**Housing, Town Planning, etc., Act, 1909 :—continued.**

Houses dealt with during the year 1913, for CLOSING ORDERS.

Houses and Localities.	Action Taken.
Waterloo Street, Nos., 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32.	Closing Orders served April 10th, 1913. Notices served on occupiers to quit. Houses still void December 31st, 1913.
Back Queen Street, 40, 41, 42, 43, 44.	Closing Orders served Dec. 18th, 1913.
Back of Back Queen Street, 1, 2, 3, 4, 5.	Closing Orders served Dec. 18th, 1913.
27, Queen Street and 1 house in 1 Court, Queen Street.	Closing Orders served Dec. 18th 1913. One house void.
Queen Street, 30, 32, 33, 34.	Closing Orders served Dec. 18th, 1913.
Back Queen Street, 14, 15, 16, 18.	Closing Orders served Dec. 18th, 1913.
House rear of 49, Queen St.	Closing Order served Dec. 18th, 1913.
1 and 2, houses rear of 45, Queen Street.	Closing Orders served Dec. 18th, 1913. Owner has promised demolition.
3, Queen Street, and 4, Sayces Yard, Stourbridge Road.	Closing Orders served Dec. 18th, 1913. Both houses void.
House rear of 300, Hurcott Road.	Closing Order served Dec. 18th, 1913.

The Eleven Closing Orders reported as not being complied with on December 31st, 1912, have since been complied with and the houses made fit for habitation.

### Houses Voluntarily Closed after Interview with the Owners :—

Mill Street, 46 and 47.	Purchased by the Council, Closed, have since been demolished for street im- provement.
4, house rear 299, Hurcott Road	Closed, will be converted into a through house.
Mill Street, 82, 83, 84, 85.	Closed, still void.

**Dirty Houses.** I have certified 69 houses that required cleansing and whitewashing as per section 46 of the Public Health Act, 1875, and 12 houses under section 5 of the Infectious Disease (Prevention) Act, 1890.

Total Sanitary defects and nuisances dealt with during the year, 3036.

The Housing Problem is becoming rather difficult to deal with. There are very few houses empty at a rent of 3/- or 3/6 per week, consequently we have had cases of overcrowding reported to us. All the houses built during the last two or three years have been houses of 5/- per week and upwards.

I am afraid the undesirability of the tenant has something to do with obtaining houses and is not altogether unconnected with the overcrowding problem.

I consider that altogether considerable improvement has been made in the habitable conditions of the houses of the working classes during the year, not only due to our action, but the better class Landlord is doing a great deal voluntarily.

I wish to express my thanks to your Sanitary Inspector and his staff for their generous help and courtesy.

In conclusion, I beg to thank the members of your Committee for their support extended to me in carrying out my duties as Medical Officer of Health for the Borough of Kidderminster.

I am, Gentlemen,

Your obedient Servant,

W. HODGSON MOORE.

## Annual Report of the Medical Officer of Health for the Year 1913.

For the Borough of Kidderminster, on the administration of the Factory and  
Workshops Act, 1901, in connection with  
FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES and HOMEWORK.

### 1.—Inspection.

PREMISES.		Number of		
		Inspection.	Written Notices.	Prosecutions.
Factories (including Factory Laundries)	...	20	13	...
Workshops	" " "	201	19	...
Workplaces	" " "	106	...	...
Total		327	32	..

### 2.—Defects Found.

PARTICULARS.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied.	Referred to H.M. Inspector	
<i>Nuisances under the Public Health Acts :</i>				
Want of Cleanliness	34	34		
Want of Ventilation	...			
Overcrowding	...			
Want of Drainage of Floors	...			
Other Nuisances	...			
Sanitary accommodation				
Insufficient	3	3		
Unsuitable or defective	10	10		
Not Separate for Sexes	2	2		
Sec. 22 P.H.A.A. Act, 1890, is adopted in Kidderminster.	...			
Water Carriage is the System generally enforced in Kidderminster	...			
The Standard of Sufficiency adopted in the Borough is that contained in the Home Office Order, Feb. 4th, 1903	...			
<i>Offences under the Factory &amp; Workshop Act</i>				
Illegal occupation of Underground Bakehouse (s. 101)	...			
Breach of Special Sanitary requirement for Bakehouse (ss. 97 to 100)	...			
Failure as regards list of Outworkers (s. 107)	...			
Giving out work to be done in premises which are infected	...			
(s. 110)				
(s. 108)				
Allowing wearing apparel to be made in Premises infected with Scarlet Fever or Smallpox (s. 109)	...			
Other Offences	...			
Total	49	49		

CLASS.	Number
Matters Notified to H.M. Inspector of Factories :—	
Failing to affix Abstract of the Factory and Workshop Act (s. 133) ... ..	
Action taken in matters referred by H.M. Inspectors as remediable under the Public Health Acts, but not under the Factory Act (s. 5) }	Notified by H.M. Inspectors 16
	Reports (of action taken) sent to H.M. Inspectors. 16
Other ... ..	
Underground Bakehouses (s. 101) :—	
Certificates granted during the year ... ..	
In use at the end of the year ... ..	2
Workshops on the Register (s. 131) at the end of the year...	236
Bakehouses under inspection ... ..	47
Total number of Workshops on Register ... ..	283

## HOME WORK.

CLASS.	Lists.	Out-Workers.	Number of addresses of Outworkers forwarded to other Councils.	No. of Inspections of Outworkers' premises
<i>Outworkers' Lists, Section 107.</i>				
Lists received from Employers : (Twice in the year).	9	17		34
Wearing Apparel :				
1. Making, &c. ... ..	8	15		30
2. Cleaning and Washing ... ..				
Furnitur and Upholstery ... ..	1	2		
Totals ... ..	9	17		34

## School Medical Officer's Report.

---

*To the Medical Officer of Health, Kidderminster.*

Dear Sir,

I beg to report as follows :—

The health of the school children during the past year has been very satisfactory, the average attendance being  $3\frac{1}{2}$  % higher than last year.

It has not been found necessary to close any of the schools, and epidemic diseases have been less prevalent.

A considerable number of cases of ringworm have occurred, and the disease is still prevalent.

Several cases of scabies have been treated, and impetigo contagiosa has also been troublesome. The School Clinic being now at work, I hope these cases will be more rapidly cured than in the past. The general cleanliness of the children continues to improve, though there is still much to be desired in this respect.

Yours faithfully,

J. C. GRIFFITHS,

*School Medical Officer.*



## Health Missioner's Report.

---

To the MEDICAL OFFICER OF HEALTH.

During the year 1913 I have received 584 Notifications of Births, from the enlarged Borough. 542 cases were visited. 430 babies were breast fed. 41 babies were fed on breast and bottle. 31 babies were fed on bottle only. 4 babies were hand fed.

One hundred and eighty-three cases had doctors in attendance, during the time of confinement. 401 cases had midwives only. 2 births occurred in hospital. 11 births occurred in the Union Infirmary. 10 births of twins occurred during the year. 10 Still births occurred during the year.

Ninety-six mothers do other work in addition to their duties as housewives.

Sixty deaths occurred during the year amongst babies in the enlarged Borough. 7 died from Bronchitis and Pneumonia. 8 Premature births. 19 died from Diarrhoea and Asthenia. 5 from different forms of Tuberculosis. 2 from Scurvy and inanition. 19 from other causes. 15 were under one month old.

In the early part of the year there were 3 cases of Ophthalmia Neonatorum.

There has been several cases of Inflamed Eyes, a few days after birth, during the year. Keeping these cases under supervision and treatment for a few days, has resulted in every case clearing up satisfactorily, and I find the mothers only too anxious to follow out my instructions when they realize the serious consequences of neglect.

During the hot weeks of August and September, there was an epidemic of Diarrhoea, and 17 deaths occurred, 14 of these babies were fed on the bottle, 9 mothers had worked in addi-

tion to their housewifely duties; this disease might be helped a good deal if there was a proper supply of sterilized milk in sealed bottles, for the use of babies, the milk carried round in cans and taken into poorly ventilated houses, will not keep sweet 12 hours.

I had hoped to start a "School for mothers" during the last winter months, but I was unable to do so, it would be a great help and I hope it will be commenced next winter.

The question of housing is difficult, and I hear daily of men with large families, and a wage from 15/- to a £1, who cannot get a house large enough for what they can afford, at the most 3/6 per week, but I think that overcrowding in small houses is better than insisting on these people turning out and having to take at least temporary residence in model lodging houses, the moral atmosphere of which must be bad for children. Two families in one house is of rare occurrence.

62 cases of tuberculosis have been notified.

62 cases of tuberculosis have been visited.

22 deaths have occurred.

8 received nursing treatment.

9 have had sanatoria treatment.

6 have left the town.

21 have improved, some are able to resume their ordinary work, and some light occupation.

18 have shown little or no improvement.

768 visits of supervision have been paid to babies and tuberculosis patients.

Patients seem to benefit greatly whilst receiving the sanatorium treatment, but the improvement very often is not permanent, owing to patients on returning home being unable to carry on the treatment for want of money; they seem to relapse quickly.

They do not go out and get enough fresh air and exercise, especially in cold weather, but sit over the fire, as they are unable to provide food to keep the body warm.

There are some cases of married men who have no income when the 27 week's Insurance is up.

One case I visit, a man with a wife and two young children, returned from a sanatorium had no income (when the Insurance ended) for nine weeks.

I thank the staff of the Health Department for all the help they have given me in doing my work.

Believe me,

Yours faithfully,

E. A. DICKENSON.





Sanitary Inspector's  
Report.

—— 1913. ——





# Sanitary Inspector's ANNUAL REPORT.

## For the Year 1913.

~~~~~

GENTLEMEN,

I have much pleasure in submitting my Annual Report on the work done in my Department for the Year ending December 31st, 1913.

### Household Ashes and Refuse Collection.

|                                  |     |         |
|----------------------------------|-----|---------|
| Portable Receptacles emptied ... | ... | 158,174 |
| Dry Ashpits emptied ...          | ... | 2,806   |
| Loads of Dry Refuse removed ...  | ... | 6,058   |

### Night Work.

|                                                     |     |     |
|-----------------------------------------------------|-----|-----|
| Privies and Middens emptied ...                     | ... | 528 |
| Loads of Nightsoil and Contents of Pans removed ... | ... | 753 |

### Refuse—How Disposed of.

|                                                              |     |             |
|--------------------------------------------------------------|-----|-------------|
| Carted to Canal Boat for Oldington Farm ...                  | ... | 4,246 loads |
| Carted to Franchise Street ...                               | ... | 1,020 „     |
| Loads tipped at Foley Park ...                               | ... | 173 „       |
| Loads tipped at Puxton ...                                   | ... | 295 „       |
| Loads of Sewer Screenings tipped at Canal Basin              |     | 409 „       |
| Loads tipped in Broadwaters Pool ...                         | ..  | 265 „       |
| Sundry Tippings ...                                          | ... | 879 „       |
| Total ...                                                    | ... | 7,287       |
| No. of Boat Loads of Refuse taken to Oldington               |     | 194         |
| No. of Boat Loads of Street Sweepings taken to Oldington ... | ... | 16          |

### Old Scrap—Tins, etc.

We have received £12 12s. 1d. for Old Scrap, Metal Tins, etc., picked from the household refuse.

### Disinfection.

|                              |     |      |
|------------------------------|-----|------|
| Gallons of Fluid given away  | ... | 460  |
| Packets of Powder given away | ... | 1558 |
| Dwelling-houses disinfected  | ... | 57   |

### Cabstands.

The Cabstands are constantly flushed with the hose pipe, and disinfected. During the Summer they receive attention twice daily.

### Court Sweeping.

The work has had constant attention during the year. The sweeper, when on his rounds, has opened with his plunger 78 drains and 310 water closets, which he found blocked.

### Privies Converted into Water Closets during 1913.

#### *Section 36 Public Health Act, 1875.*

|                      |     |     |   |
|----------------------|-----|-----|---|
| 8 & 9, Findon Street | ... | ... | 2 |
| Corporation Street   | ... | ... | 1 |

### Insufficient Water Closet Accommodation.

#### *Section 56 Public Health Act, 1875.*

Additional Water Closets have been provided at the following properties during 1913 :—

| Properties.                                  | Number. |
|----------------------------------------------|---------|
| 19 to 25, Pleasant Street and houses at rear | 3       |
| 23 to 28, Findon Street                      | 4       |
| 57 to 62A, Blackwell Street                  | 1       |
| 299 to 302, Hurcott Road, and back houses... | 1       |
| 63, Blackwell Street                         | 1       |
| 18 to 22, Fair Street                        | } 3     |
| 98 to 102, George Street                     |         |

### Inspection of Canal Boats.

Number of Boats inspected ... .. 239

On the whole the cabins are kept clean and not overcrowded.

Very few women and children are met with in boats passing through this district.

In 15 instances the boats were worked by a man and his wife (only).

In 31 instances the boats had on board, man, wife and one or more children.

In 193 instances the boats were worked by men.

A readiness is always shown by the canal boat people to comply with the Local Government Board Regulations.

#### INFRINGEMENTS.

|                                           |     |     |     |   |
|-------------------------------------------|-----|-----|-----|---|
| Cabins out of repair and leaking          | ... | ... | ... | 2 |
| Cabins require re-painting                | ... | ... | ... | 4 |
| Cabins require re-lettering and numbering | ... | ... | ... | 4 |

No magisterial proceedings were taken during the year.

All the infringements have been complied with by the means of circulars and letters.

|                                                        |     |     |     |    |
|--------------------------------------------------------|-----|-----|-----|----|
| Total boats on register showing                        | ... | ... | ... | 63 |
| (a) Number of boats believed to be in use or available |     |     |     | 61 |
| (b) Number of boats that cannot be traced              |     |     | ... | 2  |
| Number of boats registered in 1913...                  |     | ... | ... | 2  |

No cases of infectious disease occurred in any canal boat during the year.

### Common Lodging Houses.

There are 9 houses, 3 are registered, and 6 are licensed. Authorised number of lodgers, 297. The houses are well conducted and kept clean.

### Slaughterhouses.

We have twenty-four slaughterhouses on the register and in use, twelve being registered ones, and twelve being licensed. Each slaughterhouse is inspected, at regular and irregular times.

|                                                    |    |
|----------------------------------------------------|----|
| Notices served for limewashing during the year ... | 14 |
| Notices served to obtain compliance with Bye-laws  | 3  |

### Bakehouses.

We have 47 bakehouses on the register, which are regularly inspected.

The bakehouses on the whole are kept clean, are well lighted and ventilated.

|                       |     |     |     |    |
|-----------------------|-----|-----|-----|----|
| Limewashing ...       | ... | ... | ... | 13 |
| Floors Cleansed       | ... | ... | ... | 5  |
| Miscellaneous Notices | ... | ... | ... | 3  |

### Registered Purveyors of Milk.

|                            |     |     |     |    |
|----------------------------|-----|-----|-----|----|
| Residents ...              | ... | ... | ... | 53 |
| Non-Residents              | ... | ... | ... | 24 |
| Registered during the year | ... | ... | ... | 12 |

Notices have been served during the year to secure compliance with the Regulations.

### Cowsheds.

|                                   |     |     |   |
|-----------------------------------|-----|-----|---|
| Notices served for Limewashing    | ... | ... | 3 |
| Notices served for dirty Cowsheds | ... | ... | 6 |

The Milkshops, Cowsheds, and Utensils, are regularly inspected as to cleanliness, etc.

The number of Cowsheds in the Borough is 29.

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

## WORKSHOPS AND WORKPLACES UNDER INSPECTION :

|                                 |     |     |    |
|---------------------------------|-----|-----|----|
| Millinery and Dressmaking       | ... | ... | 61 |
| Boot Makers                     | ... | ... | 49 |
| Tailors                         | ... | ... | 22 |
| Carpenters and Builders         | ... | ... | 13 |
| Painters and Plumbers           | ... | ... | 9  |
| Designers                       | ... | ... | 7  |
| Cabinet Makers                  | ... | ... | 9  |
| Blacksmiths                     | ... | ... | 6  |
| Sugar Boilers                   | ... | ... | 6  |
| Coach Builders                  | ... | ... | 2  |
| Saddlers                        | ... | ... | 4  |
| Laundries                       | ... | ... | 6  |
| Staymakers                      | ... | ... | 1  |
| Upholsterers                    | ... | ... | 1  |
| Marine Stores                   | ... | ... | 3  |
| Key Manufacturer                | ... | ... | 1  |
| Iron, Tin, and Wire Workers     | ... | ... | 5  |
| Wheelwrights                    | ... | ... | 2  |
| Basket Makers                   | ... | ... | 2  |
| Cycle Makers and Repairers      | ... | ... | 5  |
| Wine, Spirit, and Beer Bottlers | ... | ... | 3  |
| Picture Frame Makers            | ... | ... | 2  |
| Waste Merchant                  | ... | ... | 1  |
| Clog Maker                      | ... | ... | 1  |
| Miscellaneous                   | ... | ... | 8  |

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229

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|                                                      |     |    |     |    |
|------------------------------------------------------|-----|----|-----|----|
| Notices served to secure compliance with regulations | ... | .. | ... | 19 |
|------------------------------------------------------|-----|----|-----|----|

### Offensive Trades under Inspection.

|                      |     |     |     |   |
|----------------------|-----|-----|-----|---|
| Tripe Boilers        | ... | ... | ... | 3 |
| Tallow Melter        | ... | ... | ... | 1 |
| Tanner               | ... | ... | ... | 1 |
| Hide and Skin Trades | ... | ... | ... | 2 |
|                      |     |     |     | — |
|                      |     |     |     | 7 |
|                      |     |     |     | — |

### Unsound Food.

During the year we have had 24 surrenders and 5 seizures of unsound food, consisting of 994-lbs. of beef, 298-lbs. of mutton, 75-lbs of pork, 45-lbs. of veal, 104-lbs of venison, 1,033-lbs. of fish, 52-lbs. of pigs plucks and intestines, 15-lbs. of sheep's plucks 20-lbs. cow's lung, one turkey, 12-lbs., watercress, 96-lbs., 37 rabbits.

The total weight being 2,744-lbs.

Total weight of food condemned in the year, 1912, 2,139-lbs.

### Tuberculosis Order, 1913.

We reported one emaciated milking cow to the Police during the year, which was subsequently examined and destroyed, the Veterinary Inspector reporting it to be a bad case of Tuberculosis.

**Drain Testing.**

| Year. | Drains tested by<br>Smoke or<br>Chemicals. | Found<br>Defective | Drains repaired<br>made sound or<br>reconstructed |
|-------|--------------------------------------------|--------------------|---------------------------------------------------|
| 1901  | 56                                         | 14                 | 207                                               |
| 1902  | 104                                        | 41                 | 79                                                |
| 1903  | 88                                         | 17                 | 140                                               |
| 1904  | 164                                        | 84                 | 165                                               |
| 1905  | 77                                         | 57                 | 112                                               |
| 1906  | 80                                         | 53                 | 70                                                |
| 1907  | 79                                         | 54                 | 90                                                |
| 1908  | 51                                         | 46                 | 86                                                |
| 1909  | 67                                         | 49                 | 121                                               |
| 1910  | 48                                         | 31                 | 134                                               |
| 1911  | 46                                         | 30                 | 103                                               |
| 1912  | 40                                         | 29                 | 29                                                |
| 1913  | 32                                         | 15                 | 33                                                |

**Well Water.****BROADWATERS DISTRICT.**

I submitted for analysis the well waters from thirty-seven properties in this area, all of which (excepting two samples) were reported by the County Analyst as being unfit for drinking purposes.

In each instance Town Water has been laid on, and the water from the wells discontinued being used for drinking purposes.

### Housing, Town Planning, etc., Act, 1909.

|                                                                              |        |     |
|------------------------------------------------------------------------------|--------|-----|
| Number of Houses Inspected under Section 17                                  | ...    | 878 |
| Number of Houses represented as being unfit for human habitation             | ... .. | 44  |
| Number of Closing Orders made by the Local Authority                         | ...    | 37  |
| Number of Houses made fit after the service of Closing Orders                | ...    | 0   |
| Defects remedied after Closing Orders                                        | ... .. | 0   |
| *Number of Houses, the defects in which were remedied without Closing Orders | ... .. | 228 |
| Orders to execute work under Section 15                                      | ... .. | 0   |
| Defects remedied under Section 15...                                         | ... .. | 0   |
| Demolition Orders made by the Local Authority                                | ...    | 0   |
| Demolition Orders complied with                                              | ... .. | 0   |
| Voluntary demolition on the advice of the Local Authority...                 | ...    | 2   |
| Closing Orders remaining uncomplied with on December 31, 1913                | ...    | 37  |

\* Does not include the renewing of Sash Cords and Windows made to open.

### Sanitary Improvements carried out as a result of Inspections made and Notices served.

#### Dwelling Houses.

|                                           |        |      |
|-------------------------------------------|--------|------|
| Cleansed and Whitewashed                  | ... .. | 234  |
| „ „ after Infectious Disease              | ... .. | 12   |
| Roofs Repaired                            | ... .. | 83   |
| Damp Proof Courses put in                 | ... .. | 15   |
| Floors Re-paved or Repaired               | ... .. | 88   |
| Walls, Plaster Repaired or Renewed        | ... .. | 41   |
| New Gratings or Covers to Cellar Openings | ... .. | 9    |
| Dilapidated Cellar Steps                  | ... .. | 2    |
| Defective Dwelling-house Chimneys         | ... .. | 9    |
| External Walls Cemented or Tarred         | ... .. | 16   |
| New Windows put in                        | ... .. | 5    |
| Windows made to open...                   | ... .. | 1012 |
| New sash cords to windows provided        | ... .. | 50   |
| Pantries Ventilated                       | ... .. | 1    |
| Damp Walls, abated                        | ... .. | 9    |
| Door Sills, Frames, etc., Repaired        | ... .. | 12   |

|                                           |     |     |     |
|-------------------------------------------|-----|-----|-----|
| Pantries filled to ground level and paved | ... | ... | 13  |
| Stairs Repaired                           | ... | ... | 8   |
| Bedroom Floors Repaired                   | ... | ... | 9   |
| Fire Grates Repaired                      | ... | ... | 15  |
| New Fire Grates put in                    | ... | ... | 6   |
| Cases of Overcrowding abated              | ... | ... | 14  |
| Dirty Houses (tenants' neglect)           | ... | ... | 4   |
| Ash Receptacles provided                  | ... | ... | 101 |

### Washhouses, Water Closets, etc.

|                                        |     |     |     |
|----------------------------------------|-----|-----|-----|
| Limewashed                             | ... | ... | 419 |
| Washhouse Floors repaired              | ... | ... | 28  |
| Water Closet Floors repaired           | ... | ... | 4   |
| Washhouse Roofs repaired               | ... | ... | 25  |
| Water Closet Roofs repaired            | ... | ... | 7   |
| Washing Furnaces repaired              | ... | ... | 30  |
| Spouting provided and repaired         | ... | ... | 58  |
| New Earthenware Sinks provided         | ... | ... | 45  |
| Sink Waste Pipes provided and repaired | ... | ... | 21  |
| Dirty Premises (tenants' neglect)      | ... | ... | 23  |
| General Dilapidations                  | ... | ... | 48  |
| Additional Washhouses provided         | ... | ... | 8   |

### Drains, Water Closets and Urinals.

|                                         |     |     |    |
|-----------------------------------------|-----|-----|----|
| Obstructed Drains Cleansed              | ... | ... | 40 |
| Drains repaired or reconstructed        | ... | ... | 33 |
| New Inspection Chamber put in           | ... | ... | 1  |
| Broken Water Closet Pans renewed        | ... | ... | 21 |
| Flushing Apparatus repaired             | ... | ... | 31 |
| Additional Earthenware Gullies provided | ... | ... | 18 |
| Urinals repaired or re-constructed      | ... | ... | 1  |
| Water Closet Seats repaired             | ... | ... | 18 |
| Privy Receptacles provided              | ... | ... | 19 |
| Additional Water Closets provided       | ... | ... | 14 |
| Water Closets ventilated and lighted    | ... | ... | 1  |
| Drains ventilated                       | ... | ... | 1  |

**Paving.**

|                                           |     |     |     |     |    |
|-------------------------------------------|-----|-----|-----|-----|----|
| House Yards Paved                         | ... | ... | ... | ... | 13 |
| Yard Paving repaired                      | ... | ... | ... | ... | 33 |
| Paved Approaches to Outbuildings provided | ... | ... | ... | ... | 7  |

**Rain Water Spouting.**

|                                                 |     |     |     |     |     |
|-------------------------------------------------|-----|-----|-----|-----|-----|
| New Spouting provided                           | ... | ... | ... | ... | 31  |
| Spouting repaired                               | ... | ... | ... | ... | 22  |
| Rain-water down Spouts disconnected from drains | ... | ... | ... | ... | 9   |
| Short rain-water down Spouts lengthened         | ... | ... | ... | ... | 106 |

**Other Nuisances.**

|                                            |     |     |     |     |    |
|--------------------------------------------|-----|-----|-----|-----|----|
| Pig Keeping Nuisances abated               | ... | ... | ... | ... | 8  |
| Nuisances from other Animals abated        | ... | ... | ... | ... | 4  |
| Fowl Keeping Nuisances abated              | ... | ... | ... | ... | 4  |
| Accumulations of Refuse and Manure removed | ... | ... | ... | ... | 15 |
| Smoke Nuisance abated                      | ... | ... | ... | ... | 1  |
| Pigstyes Cleansed                          | ... | ... | ... | ... | 6  |
| Miscellaneous Nuisances                    | ... | ... | ... | ... | 19 |
| Well Waters Analysed                       | ... | ... | ... | ... | 40 |

**Ashpits and Privies.**

|                                      |     |     |     |     |    |
|--------------------------------------|-----|-----|-----|-----|----|
| Ashpits removed                      | ... | ... | ... | ... | 31 |
| Privies repaired                     | ... | ... | ... | ... | 3  |
| Privies Converted into Water Closets | ... | ... | ... | ... | 2  |

## Houses Inspected during 1913.

| Name of Road.      | No. of Houses Inspected. | No. of Houses in which defects existed. | Name of Road.     | No. of Houses Inspected. | No. of Houses in which defects existed. |
|--------------------|--------------------------|-----------------------------------------|-------------------|--------------------------|-----------------------------------------|
| Back Queen Street  | 42                       | 2                                       | Hoo Road          | 19                       | 4                                       |
| Baxter Avenue      | 28                       | 1                                       | Horse Fair        | 4                        | 4                                       |
| Bewdley Street     | 24                       | —                                       | Hume Street       | 2                        | 2                                       |
| Bennett Street     | 5                        | —                                       | Hurcott Road      | 18                       | 8                                       |
| Blackwell Street   | 10                       | 4                                       | Lion Square       | 1                        | 1                                       |
| Blakebrook         | 12                       | 4                                       | Long Acre         | 8                        | 2                                       |
| Broad Street       | 5                        | 5                                       | Mason Road        | 7                        | —                                       |
| Broadwaters        | 18                       | 3                                       | Mill Lane         | 1                        | —                                       |
| Bromsgrove Street  | 49                       | 4                                       | Mill Street       | 3                        | 3                                       |
| Chapel Street      | 42                       | 9                                       | Offmore Road      | 6                        | 6                                       |
| Clensmore Lane     | 4                        | —                                       | Orchard Street    | 5                        | 2                                       |
| Clensmore Street   | 41                       | 15                                      | Oxford Street     | 5                        | 2                                       |
| Comberton Hill     | 5                        | 5                                       | Pitts Street      | 3                        | 3                                       |
| Coventry Street    | 3                        | 1                                       | Park Lane         | 6                        | 1                                       |
| Crane Street       | 6                        | 1                                       | Park Street       | 39                       | 8                                       |
| Corporation Street | 4                        | 3                                       | Pleasant Street   | 21                       | 6                                       |
| Cross Street       | 14                       | 3                                       | Prospect Lane     | 6                        | 6                                       |
| Dudley Street      | 39                       | 3                                       | Queen Street      | 39                       | 2                                       |
| East Street        | 6                        | 6                                       | Radford Avenue    | 11                       | —                                       |
| Edward Street      | 30                       | 9                                       | South Street      | 24                       | 7                                       |
| Fair Street        | 29                       | 1                                       | Spencer Street    | 24                       | 12                                      |
| Farfield Street    | 12                       | 1                                       | St. Mary's Street | 5                        | —                                       |
| Findon Street      | 15                       | 1                                       | Stourbridge Road  | 39                       | 7                                       |
| Foley Park         | 10                       | 10                                      | Union Street      | 4                        | 4                                       |
| Garrick Place      | 6                        | 2                                       | Wood Street       | 14                       | —                                       |
| George Street      | 13                       | 4                                       | York Street       | 29                       | 29                                      |
| Habberley Street   | 15                       | 1                                       |                   |                          |                                         |
| Hall Street        | 22                       | 4                                       |                   | 878                      | 228                                     |
| Hill Street        | 26                       | 7                                       |                   |                          |                                         |

# Sale of Food and Drugs Acts 1875 to 1899.

Samples taken during the year 1913, and results.

| Informal Samples | Formal Samples | Articles                                                                                                                            | Genuine | Adulterated | Extent of Adulteration (if any) | Result                                                         |
|------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------|---------|-------------|---------------------------------|----------------------------------------------------------------|
|                  | 26             | Milk                                                                                                                                | 26      |             |                                 | Vendor appeared before the Health Committee and was cautioned. |
|                  | 1              | Milk                                                                                                                                |         | 1           | 4 % deficient in cream          |                                                                |
| 1                |                | Condensed Milk—<br>Fat 10'9 %<br>1 part equal to 2'6 parts ordinary milk                                                            | 1       |             |                                 |                                                                |
| 1                |                | Condensed Milk—<br>Fat 10'2 %<br>1 part equal to 2'8 parts ordinary milk                                                            | 1       |             |                                 |                                                                |
| 1                |                | Machine-Skimmed condensed Milk—<br>Fat 2'1 %<br>1 part equal to 2'9 parts of skimmed milk                                           | 1       |             |                                 |                                                                |
| 1                |                | Preserved Cream—<br>Fat 47'51 %<br>Boric Acid 0'32%                                                                                 | 1       |             |                                 |                                                                |
| 1                |                | Preserved Cream—<br>Fat 51'49 %<br>Boric Acid 0'50 %<br>No thickening substance                                                     | 1       |             |                                 |                                                                |
| 1                |                | Preserved Cream—<br>Fat 47'78 %<br>Boric Acid 0'41 %<br>No thickening substance                                                     | 1       |             |                                 |                                                                |
| 1                |                | Preserved Cream—<br>Fat 29'65 %<br>No preservative. No thickening substance. This was sterilized cream in hermetically sealed tins. | 1       |             |                                 |                                                                |

## Sale of Food and Drugs Acts, 1875 to 1899—Continued.

| Informal Samples. | Formal Samples. | Articles.              | Genuine. | Adulterated | Extent of Adulteration (if any).                                                                                                                                                              | Result.                                                             |
|-------------------|-----------------|------------------------|----------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| 7                 | 2               | Butters ...            | 9        |             |                                                                                                                                                                                               |                                                                     |
| 1                 |                 | Flour ...              | 1        |             |                                                                                                                                                                                               |                                                                     |
|                   | 1               | Self-raising Flour ... | 1        |             |                                                                                                                                                                                               |                                                                     |
|                   | 2               | Cheeses ...            | 2        |             |                                                                                                                                                                                               |                                                                     |
| 1                 |                 | Honey ...              | 1        |             |                                                                                                                                                                                               |                                                                     |
| 1                 | 2               | Pearl Barley           | 3        |             |                                                                                                                                                                                               |                                                                     |
| 1                 |                 | Pearl Barley           |          | 1           | contained a foreign ingredient. 0.58% of extraneous mineral matter. Talc or Steatite.                                                                                                         |                                                                     |
| 1                 |                 | Castor Sugar           | 1        |             |                                                                                                                                                                                               |                                                                     |
| 1                 |                 | Arrowroot ...          | 1        |             |                                                                                                                                                                                               |                                                                     |
| 1                 |                 | Gregory Powder ...     |          | 1           | 36 % deficient in Magnesia. It contained only 30% instead of 66%. Carbonate of Magnesia instead of Magnesia having been used.                                                                 |                                                                     |
|                   | 1               | Gregory Powder ...     |          | 1           | 36 % deficient in Magnesia. It contained only 30% instead of 66 %, according to the British Pharmacopœia. The deficiency is due to the use of Carbonate of Magnesia instead of pure Magnesia. | Appeared before Health Committee and was cautioned by the Chairman. |
|                   | 4               | Gregory Powders ...    | 4        |             |                                                                                                                                                                                               |                                                                     |

**Sale of Food and Drugs Acts, 1875 to 1899—continued.**

| Informal Samples | Formal Samples | Articles                   | Genuine | Adulterated | Extent of Adulteration (if any) | Result |
|------------------|----------------|----------------------------|---------|-------------|---------------------------------|--------|
| 1                |                | Camphorated Oil            | 1       |             |                                 |        |
| 1                |                | Paregoric                  | 1       |             |                                 |        |
| 1                |                | Compound Rhubarb Pill Mass | 1       |             |                                 |        |
| 1                |                | Compound Liquorice Powder  | 1       |             |                                 |        |

**Total Number of Samples ... 64**

**Informal Samples of Spirits tested by Sikes Hydrometer...16**

The strengths varied from 16° U.P. to 25° U.P. For the year 1912 the strengths varied from 20·1 U.P. to 27·5 U.P.

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Under Section 7 of the Sale of Food and Drugs Act, 1899, it is incumbent upon all manufacturers and wholesale dealers in Margarine and Margarine Cheese to be registered by the Council. There has been one addition to the register during the year 1913, the number of persons on register being thirteen.

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### Magisterial Proceedings during the Year, 1913.

| NATURE OF OFFENCE.                                                               | RESULT.                                           |
|----------------------------------------------------------------------------------|---------------------------------------------------|
| Depositing unsound rabbits in Wholesale Market.                                  | Fined 10/- and costs, total £2 8s.                |
| Depositing unsound turkey in Wholesale Market.                                   | Fined 20/- and costs, total £1 18s.               |
| Having on premises 224 lbs. of meat in brine, unfit for human food.              | Fined £3 and costs,<br>total £5 6s. 6d.           |
| Housing, Town Planning, etc., Act, 1909.—Refusing to quit. Sec. 17, Sub. Sec. 4. | Magisterial order to quit in 7 days.              |
| Housing, Town Planning, etc., Act, 1909.—Refusing to quit. Ejectment summons.    | Vacated the houses three days before the hearing. |

## Meteorological Report

FOR THE YEAR ENDING DECEMBER 31ST, 1913.

From Observations taken at 9 a.m. daily.

METEOROLOGICAL STATION BRINTON PARK.

Height above Sea Level, 159 feet.

| Months.   | Baro-<br>meter. | Temperature. |              |      | Humi-<br>dity.            | Wind.                                |
|-----------|-----------------|--------------|--------------|------|---------------------------|--------------------------------------|
| 1913      | Mean            | Mean<br>Max. | Mean<br>Min. | Mean | Average<br>Humi-<br>dity. | Prevailing<br>direction at<br>9 a.m. |
| January   | 29'79           | 44'5         | 33'2         | 39'0 | 94                        | SE, SSE, NW                          |
| February  | 30'26           | 46'1         | 33'3         | 39'0 | 88                        | SE, NE, NW                           |
| March     | 29'95           | 58'5         | 34'6         | 41'7 | 81                        | SW, W                                |
| April     | 29'91           | 53'4         | 38'7         | 44'7 | 79                        | SW, NE, NW,                          |
| May       | 29'95           | 61'9         | 42'1         | 50'4 | 74                        | SE, SSE, NW                          |
| June      | 30'12           | 67'8         | 47'1         | 55'1 | 71                        | SE, NW, SW                           |
| July      | 30'14           | 67'7         | 50'5         | 56'7 | 77                        | NW, NE                               |
| August    | 30'14           | 69'4         | 49'0         | 57'8 | 78                        | NW, NE, W                            |
| September | 30'04           | 64'7         | 48'0         | 54'4 | 86                        | NE, SE, NW                           |
| October   | 29'88           | 57'8         | 43'4         | 49'1 | 91                        | SE, SSE, SSW                         |
| November  | 29'95           | 53'8         | 37'3         | 45'0 | 91                        | SW, S                                |
| December  | 30'20           | 45'7         | 35'0         | 40'6 | 90                        | SW, W, NW.                           |

# RAINFALL for the Year ending Dec 31st, 1913

**Rain Gauge : Height on Top of Ground, One Foot.**

**Location : The Brinton Park.**

|           |     | Total<br>Depth | Greatest Rainfall<br>in 24 hours |          | No. of days on<br>which '01 or<br>more rain fell |
|-----------|-----|----------------|----------------------------------|----------|--------------------------------------------------|
|           |     | Inches.        | Depth.                           | Date.    |                                                  |
| 1913      |     |                |                                  |          |                                                  |
| January   | ... | 3'16           | '92                              | 4th      | 18                                               |
| February  | ... | '66            | '33                              | 9th      | 11                                               |
| March     | ... | 4'43           | '66                              | 14th     | 20                                               |
| April     | ... | 3'11           | '63                              | 15th     | 19                                               |
| May       | ... | 1'95           | '53                              | 3rd      | 15                                               |
| June      | ... | 1'30           | '44                              | 9th      | 8                                                |
| July      | ... | 1'31           | '69                              | 6th      | 10                                               |
| August    | ... | 1'26           | '27                              | 22nd     | 12                                               |
| September | ... | 1'74           | '49                              | 1st      | 13                                               |
| October   | ... | 4'41           | '78                              | 3rd      | 18                                               |
| November  | ... | 2'58           | '74                              | 11th     | 17                                               |
| December  | ... | 1'07           | '52                              | 4th      | 7                                                |
| Totals    | ... | 26'98          | '92                              | Jan. 4th | 168                                              |

## Total Rainfall.

|      |     |       |      |     |       |
|------|-----|-------|------|-----|-------|
| 1904 | ... | 20'54 | 1909 | ... | 22'88 |
| 1905 | ... | 19'53 | 1910 | ... | 27'27 |
| 1906 | ... | 21'81 | 1911 | ... | 18'46 |
| 1907 | ... | 22'78 | 1912 | ... | 32'50 |
| 1908 | ... | 21'84 | 1913 | ... | 26'98 |

Average Rainfall for past 10 years ... 23'44

|                                             |     |     |     |     |
|---------------------------------------------|-----|-----|-----|-----|
| Preliminary Notices served                  | ... | ... | ... | 456 |
| Statutory Notices served                    | ... | ... | ... | 102 |
| Threatening Notices served                  | ... | ... | ... | 49  |
| Notices to School Medical Officer...        | ... | ... | ... | 20  |
| Notices to Head Teachers                    | ... | ... | ... | 32  |
| Notices to Parents                          | ... | ... | ... | 20  |
| Notices to provide portable ash receptacles | ... | ... | ... | 43  |

### **Stray Dogs**

Twenty-eight carcasses of dogs have been handed over to us by the Police for destruction.

### **The Thresh Steam Disinfector.**

434 Articles of Clothing have been disinfected.

|          |     |     |              |
|----------|-----|-----|--------------|
| Bedding  | ... | ... | 298 Articles |
| Clothing | ... | ... | 136 „        |

### **Mortuary.**

One body was received into the Public Mortuary during the year.

### **Remarks.**

I have to thank your Committee for the support they have given me in the work of my department during the year.

I am, Mr. Chairman and Gentlemen,

Your obedient Servant,

JOHN T. COWDEROY,

*Sanitary Inspector.*

*To the Chairman, Vice-Chairman and  
Members of the Health Committee.*