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BOROUGH OF KIDDERMINSTER.

# REPORTS

ON THE

HEALTH OF THE BOROUGH

BY THE

Medical Officer of Health

AND

Sanitary Inspector.

• • • 1900. • • •

*Kidderminster :*

*Printed at "The News" Office, Trinity Lane.*

# HEALTH COMMITTEE.

(KIDDERMINSTER CORPORATION).



## The Mayor:

ALDERMAN P. ADAM.

## Chairman:

ALDERMAN T. PENSOTTI.

## Vice-Chairman:

COUNCILLOR J. GARLICK.

ALDERMAN B. HEPWORTH,

COUNCILLOR H. BENNETT,

„ J. BRAZIER,

„ M. COLE,

COUNCILLOR T. GRIFFIN,

„ W. H. MOORE,

„ W. PHIPPS,

„ G. A. WESTON.

## Medical Officer of Health:

DAVID CORBET, M.R.C.S.

## Public Analyst:

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

## Sanitary Inspector:

J. T. COWDEROY, C.S.I.

## Assistant Inspector:

C. M. ROBINSON.



# ❧ Annual Report. ❧

For the Year, 1900.



TOWN HALL,

FEBRUARY 11th, 1901.

GENTLEMEN,

I have much pleasure in presenting my Annual Report for the Year 1900.

*Description of Borough.*—The Town of Kidderminster occupies a basin-shaped site in the valley of the River Stour. This depression is joined on the east by two or three smaller ones. The older parts of the town are situated at the bottom of the valley and on the lower ridges between the subsidiary valley, while newer streets occupy the slopes of the main valley on both sides and the adjacent parts of the plateau. The difference in altitude between the highest and lowest parts of the town exceeds 150 feet, and the gradients of some of the streets are steep.

**Descrip-  
tion of  
Borough.**

The centre of the town, where the business establishments are chiefly situate, is in the bottom of the valley in the neighbourhood of the main bridge over the Stour, which is 100 feet above the mean sea level at Liverpool. From this centre the principal streets radiate in different directions; these are connected by a network of cross streets mainly inhabited by persons of the working class. About a quarter of a mile north of High Street, and at a level of about 50 feet higher, is Horsefair, a second centre from which a number of streets radiate. The subsoil consists of beds of the new red sand stone series, partly a soft sand rock, partly loose incoherent gravel; in the bottom of the valley near the river there is a bed of superficial clay.

A clearer idea may be gained by referring to particulars on page 15 of the geological strata of an artesian well sunk in Mill Street.

The returns of Deaths and of new cases of infectious sickness I herewith hand you duly completed. **Deaths.**

During the year there have been 600 Births, or 24·00 in the thousand, Males 299. Females 301. **Births.**

**Mortality** The total number of deaths from all causes, diseases, and ages, which have been registered is 542. The number in each sex being 294 males and 248 females.

Deaths in the Workhouse—Residents 63, Non-Residents 24

Deaths in the Infirmary—Residents 27, Non-Residents 19

**Inquests.** There have been 31 Inquests held during the year.

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

Under 1 year	...	...	103
Between 1 and 5 years	...	...	50
„ 5 „ 15 „	...	...	20
„ 15 „ 25 „	...	...	23
„ 25 „ 65 „	...	...	181
„ 65 and upwards	...	...	165

The Death Rate per thousand for the year is 21.68.

NOTE:—*Excluding Deaths of persons in Public Institutions from other localities, the Death Rate would be 19.96.*

**Zymotic Diseases.** The Deaths from the principal Zymotic Diseases during the last year and nine previous years have been as follows:—

DISEASES.	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900
Small Pox ...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever...	...	1	3	1	..	...	1	...	...	2
Typhoid Fever	1	2	2	1	..	2	3	2	4	1
Measles ...	3	13	4	15	1	1	22	1	...	16
Diphtheria ...	12	4	5	4	2	3	2	7	4	17
Diarrhœa ...	15	14	24	4	11	9	6	10	16	7
Whooping Cough	5	15	...	...	4	2	11	1	4	3
Totals ...	36	49	38	25	18	17	45	21	28	46



*Measles.*—During the year there has been a severe epidemic of Measles. I regret this disease is not now notifiable. Upwards of 300 cases came to our knowledge. The deaths have been 16. On my advice the Sanitary Authority closed the following Infant Schools for periods of one month:—St. George's Infants' School, July 19th; St. John's Infants, November 16th; Coventry Street Infants, November 16th; St. Mary's Infants, November 6th; New Meeting Infants, November 1st; Hume Street Infants, November 3rd; St. Ambrose Infants, December 14th. **Measles.**

*Scarlet Fever*—Cases 40; Deaths, 2.—22 cases were removed to the Hospital. The cases were mostly of a mild character; in no sense was the disease epidemic. Special attention was given to the houses where the patients remained, and disinfection thoroughly carried out. **Scarlet Fever.**

*Typhoid Fever.*—Cases 20; Deaths 1.—The only house in which two cases occurred was on Prospect Hill, and the drainage and sanitary surroundings were good. There was a pump in the middle of the yard, which the people said was not used for drinking purposes (Waterworks water having been laid on some years previously) but was accessible to them. I had a sample of the well water analysed, it was certified to be polluted with sewage and animal matter, and unfit for drinking purposes. I also had a sample examined bacteriologically; it was reported as being unfit for drinking purposes, but they failed to find anything specific. We had this pump immediately closed. **Typhoid Fever.**

*Diphtheria.*—Cases 75, Deaths 17; as against Cases 43, Deaths 4 for last year. These cases were all visited, and the sanitary surroundings found in most cases in good order. Many of the houses in which cases occurred were quite new, some of them having been built on made ground; but the worst outbreak was that in connection with St. John's Infant School. This school is situate in Bewdley-street and corner of Chapel-street. I inspected it and found all sanitary arrangements on the surface satisfactory. There is no playground to this school, so that the lavatory arrangements are close to the school. The school itself is lofty and well-ventilated. On my advice an order was made to close the school on January 29th for two weeks, and again on February 12th for two more weeks. A few days after the school was re-opened two fresh cases appeared. I then advised the closing of the school for four weeks. In the meantime I advised the examination of the whole of the underground drainage. This was done with the following result: We found that most of the pipes had been laid without joints; Doulton's traps badly connected; and branch pipes put into straight pipes without junctions. We had the whole of the pipes taken up and relaid with proper joints, junctions, &c, and well tested with our drain testing apparatus before the trenches were filled in. At the end of the month the school was re-opened, since which we have not had a **Diphtheria.**



single case amongst children attending this school. The Managers of these schools have purchased a new site in a more open district for the erection of new schools. In May, at the request of the Local Government Board, I furnished them with a special report on the outbreak of Diphtheria.

**Whooping Cough.** *Whooping Cough* was prevalent during the latter part of the year.

**Consumption.** *Consumption.*—We send to every known case of Consumption a circular giving instructions how to deal with their expectorations, and in the cleansing, dusting, and disinfecting of rooms and clothing.

**Milk and Tuberculosis.** *Milk and Tuberculosis.*—We have issued a number of leaflets on how to sterilise milk ; also leaflets on fresh air and ventilation.

**Hospital.** *Hospital.*—During the year I have received 47 cases for treatment : 22 from the Borough, 4 from the Rural District Council, 10 from the Urban District Council of Stourport, and one from the Rural District Council of Martley. There have been no deaths. During the year the administrative buildings have been enlarged, the kitchen made twice its previous size, a sitting room for the Matron, a sitting room for the nurses, a store room for clothing, and three additional bed rooms.

**Disinfectors.** A new "Thresh" Steam Disinfectors has been purchased and erected at a cost of about £300. We have also converted one of the existing buildings into a discharging ward and waiting room. On December 31st the staff consisted of Medical Superintendent, Matron, three Probationer Nurses, one Ward-maid, one Laundry-maid, one Cook, and one Porter. Cases in on December 31st, 2.

On February 19th, I called your Committee's attention to the need of more Inspectorial Assistance, as it was impossible for one Officer to keep in touch with all the insanitary conditions existing and constantly recurring in a town of this size and formation, and also to perform his other multitudinous and varied duties either to our satisfaction or to the satisfaction of the Local Government Board. In Health work, it is the apparent trifles which we have to be continually worrying the people about, such as preventing the recurring tendency of things to go wrong, such as decaying vegetable refuse lying about yards ; stagnant foul water lying in ill-paved yards and courts ; closets ill-kept and foul corners used as urinals ; foul accumulations such as manure and pig wash ; water closets getting out of order ; animals, poultry, &c., kept in improper places and when removed under one tenant they are often kept again by the next. This work is quite sufficient to keep one Assistant Inspector fully occupied.

Clement M. Robinson, sanitary clerk, your Committee appointed Assistant Inspector on the 25th of April, and is performing his new duties very well.



Slaughterhouses, Bakehouses, Lodginghouses, Workshops, Slaughter-Cowsheds, and Milkshops have been regularly inspected and on the whole found clean. I cannot help thinking that it would be to the advantage not only of the inhabitants but also to the butchers, if public slaughterhouses were erected as I have advised on some former occasions. **Houses.**

*Court Sweeping*—The court sweeping is still being carried on satisfactory; the value of this work cannot be over-estimated. **Court Sweeping.**

*Privies and Middens*.—Kidderminster may be considered a water-closet town, privies and middens being but few, and these are being reduced from time to time. **Privies & Middens.**

*Household Refuse*.—We are still fortunate in being able to convey our household refuse out of town to Oldington Farm. **Household Refuse.**

*Water Supply*.—Although I reported in my last Annual Report an abundant supply of water of high quality had been obtained, I regret to say that up to the present time, in consequence of the delay in erecting the new engines, we have not received any benefit from it. During the summer the water was only shut off for 7 nights. This is a great improvement on the preceding summer, still the danger is great with any intermittent supply. I trust every endeavour will be made to hasten the use of the new well. **Water Supply.**

*Sewers*.—The cleansing and flushing of the sewers has had constant attention. Three ventilating shafts of a new pattern have been erected in different parts of the town. If found satisfactory others will be erected in other parts of the borough. Up to the present we have found some difficulty in erecting shafts on private property. **Sewers.**

*Dirty Houses*.—I have certified 230 houses that required cleansing and whitewashing as per Sec. 46 of the Public Health Act, 1875. **Dirty Houses.**

*Arsenic in Beer*.—In consequence of the recent discoveries, I directed the Sanitary Inspector to purchase samples of Beer for analysis. He did so, and submitted eight samples, six from Brewery Houses and two from Home-Brewed Houses. He also procured and submitted for analysis one sample of invert sugar and three samples of glucose, two used in the making of sweets and one used in brewing. **Arsenic in Beer.**

The Analyst certified all the samples free from arsenic except one, which sample was certified to contain a small trace. This sample of beer was taken from a house supplied by a Manchester Brewery.



Allow me again, at the end of another year, to thank the Chairman and members of the Health Committee for the support they have given me in the carrying out of my duties. I am pleased to say that all things have worked smoothly.

I am, Gentlemen,

Your obedient servant,

DAVID CORBETT,

*Medical Officer of Health.*

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

## CAUSES of, and Ages at, Death during Year 1900.

CAUSES OF DEATH.	DEATHS IN WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN PUBLIC INSTITUTIONS.
	All ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	
Small-Pox ... ..	0							
Measles ... ..	16	6	8	2				
Scarlet Fever ... ..	2			1	1			
Whooping Cough ... ..	3	1	2					
Diphtheria and Membranous Croup	21		16	4	1			2
Croup ... ..	0							
Fever { Typhus ... ..	0							
Enteric ... ..	1				1			
Other continued ... ..	0							
Epidemic Influenza ... ..	1						1	
Cholera ... ..	0							
Plague ... ..	0							
Diarrhœa ... ..	7	7						
Enteritis ... ..	38	31	4		1	2		
Puerperal Fever ... ..	2					2		
Erysipelas ... ..	3	1					2	1
Other Septic Diseases ... ..	0							
Phthisis ... ..	31			1	6	24		11
Other Tubercular Diseases ... ..	9	1	1	2	1	3	1	3
Cancer, Malignant Disease ... ..	25				1	15	9	7
Bronchitis ... ..	78	8	6	1		23	40	16
Pneumonia ... ..	35	4	5		2	20	4	13
Pleurisy ... ..	0							
Other Diseases of respiratory organs	4	2					2	
Alcoholism ... ..								
Cirrhosis of Liver { ... ..	2					1	1	
Venereal Diseases ... ..	1					1		
Premature Birth ... ..	12	12						1
Diseases & accidents of parturition	10				1	9		
Heart Diseases ... ..	52			1	3	28	20	9
Accidents ... ..	19		2	4	1	8	4	12
Suicides ... ..	1					1		
Old age ... ..	43					1	42	16
All other causes ... ..	126	30	6	4	4	43	39	42
All causes ... ..	542	103	50	20	23	181	165	135



## BIRTHS &amp; DEATHS FOR 10 YEARS.

YEAR.	Population estimated to Middle of each year.	BIRTHS.		DEATHS UNDER 1 YEAR OF AGE.		DEATHS AT ALL AGES. TOTAL.		Deaths in Public Insti- tutions
		Number.	Rate.*	Number.	Rate per 1,000 Births Regis- tered. 6	Number.	Rate,*	
1	2	3	4	5	6	7	8	9
1890	26,000	701	26.50	130	184.02	448	17.23	68
1891	24,803	729	25.16	96	131.68	452	18.13	73
1892	25,000	674	26.96	108	160.23	478	19.12	82
1893	25,000	668	26.72	97	145.20	431	17.24	81
1894	25,000	641	25.64	78	121.68	391	15.64	86
1895	25,000	637	25.48	104	163.26	471	18.88	107
1896	25,000	614	24.56	108	175.89	398	15.92	80
1897	25,000	617	24.68	111	179.90	427	17.08	82
1898	25,000	568	22.72	89	156.69	394	15.76	90
1899	25,000	571	22.84	87	152.36	436	17.44	97
Averages for years 1890— 1899		642	25.12	100	157.09	432	17.24	84
1900.	25,000	600	24.00	103	171.66	542	21.68	133

\*Rates calculated per 1,000 of the estimated population.

Area of District in acres, 1213.

## MONTHLY RETURN 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.
1900.						1900.					
Jan.	22	22	22	44	22·88	Jan.	22	35	45	80	41·60
Feb.	19	21	32	53	27·52	Feb.	19	33	22	55	28·60
Mar.	19	31	19	50	26·00	Mar.	19	24	27	51	26·52
April	16	25	24	49	25·48	April	16	23	21	44	22·88
May	14	23	17	40	20·80	May	14	19	18	37	19·24
June	11	18	32	50	26·00	June	11	17	18	35	18·20
July	9	30	25	55	28·60	July	9	20	8	28	14·56
August	6	26	29	55	28·60	August	6	21	17	38	19·76
Sept.	3	25	19	44	22·88	Sept.	3	28	21	49	25·48
October	1	15	15	30	15·60	October	1	22	19	41	21·32
„	29	18	23	41	12·31	„	29	16	11	27	14·04
Nov.	19	17	10	27	14·04	Nov.	19	15	10	25	17·33
Dec.	17	21	23	44	22·88	Dec.	17	25	13	38	19·76
Totals...		292	290	582	23·28	Totals ...		298	250	548	21·92

*Note.*—The above include all deaths at the Workhouse and the Infirmary.



## MORTALITY.

Comparative Table of Towns in England Wales.

NAME OF TOWN.	1899.		1900.	
	Deaths per 1,000.	Principal Zymotic Diseases.	Deaths per 1,000.	Principal Zymotic Diseases.
Aston Manor ...	15.40	3.14	21.68	1.84
Birkenhead ...	19.16	2.65		
Birmingham ...	20.84	2.96		
Blackburn ...	19.13	2.67		
Bolton ...	19.89	3.18		
Bradford ...	18.44	2.33		
Brighton ...	18.95	2.50		
Bristol ...	18.25	1.86		
Cardiff ...	15.42	2.06		
Coventry ...	19.10	3.02		
Derby ...	16.93	1.65		
Dudley ...	23.60	3.09		
Halifax ...	18.25	1.50		
Huddersfield ..	16.19	1.79		
Hull ...	19.30	3.66		
Kidderminster ...	17.44	1.12		
Leeds ...	19.14	2.79		
Leicester ...	17.71	3.31		
Liverpool ...	26.38	3.77		
London ...	19.78	2.48		
Manchester ...	24.61	3.92		
Newcastle-on-Tyne ...	20.56	1.82		
Norwich ...	17.29	2.40		
Nottingham ...	19.99	3.33		
Oldham ...	20.47	2.16		
Plymouth ...	21.72	1.93		
Portsmouth ...	19.70	3.51		
Preston ...	22.84	3.93		
Salford ...	23.80	4.32		
Sheffield ...	22.16	4.39		
Smethwick ...	16.50	2.03		
Sunderland ...	21.48	2.50		
Walsall ...	19.00	2.55		
West Bromwich ...	19.60	2.57		
Wolverhampton ...	21.81	2.56		
Worcester ...	19.70	1.84		

CASES OF INFECTIOUS DISEASES NOTIFIED DURING  
THE YEAR 1900.

NOTIFIABLE DISEASE.	At all Ages.	CASES NOTIFIED IN WHOLE DISTRICT.					
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and Upwards.
Small-Pox ... ..	...						
Cholera .. ...	...						
Diphtheria ... ..	75	0	23	33	5	13	1
Membranous Croup ...	4	0	3	1	0	0	0
Erysipelas ... ..	53	1	2	2	3	31	14
Scarlet Fever ... ..	40	1	16	18	5	0	0
Typhus Fever ... ..	...						
Enteric Fever ... ..	20	0	1	5	8	6	0
Relapsing Fever .. ...	...						
Continued Fever ... ..	...						
Puerperal Fever ... ..	2	0	0	0	0	2	0
Plague ... ..	...						
Totals ... ..	194	2	45	59	21	52	15



# INFECTIOUS DISEASES.

## MONTHLY NOTIFICATIONS.

1900.	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Total	Total	Total	Total	Total	Total	Total	Total	Total
													1900	1899	1898	1897	1896	1895	1894	1893	1892
Small Pox ...	...	...	...	..	...	...	...	...	..	...	...	...	...	...	...	...	...	1	6	13	...
Cholera ..	...	...	...	...	...	...	...	...	..	...	..	...	...	...	...	..	...	...	...	...	...
Diphtheria ..	21	6	12	6	7	3	...	4	4	6	3	3	75	43	50	28	79	25	26	33	71
Membranous Croup	1	...	2	...	...	...	...	...	...	...	...	1	4	1	2	3	7	4	5	...	9
Erysipelas ...	11	6	3	4	5	7	5	2	1	2	3	4	53	45	45	37	74	47	61	46	48
Scarlet Fever	17	2	2	1	3	1	2	2	1	6	1	2	40	105	30	39	92	140	318	206	75
Typhus Fever	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...
Typhoid Fever	1	2	2	3	2	2	...	2	3	1	1	1	20	18	10	12	18	4	8	9	22
Puerperal Fever	...	1	1	...	...	...	...	...	...	...	...	...	2	1	...	1	1	2	...	2	...
Totals	51	17	22	14	17	13	7	10	9	15	8	11	194	213	137	120	271	223	424	309	225

## The Geological Strata of an Artesian Well sunk in Mill Street.

	FEET.	INCHES.
Soil ...	6	0
Pure Clay ...	1	0
Gravel Beds—Water Worn ...	9	0
Red Sandstone...	15	0
"    "    —With Pebbles ...	16	2
"    "    —With less Pebbles ...	4	6
"    "    —With still less Pebbles and softer	6	0
"    "    —Without Pebbles ...	32	6
Red Marl ...		6
Red Sandstone—No Pebbles ...	4	10
"    "    —Gritty, not hard ...	9	0
"    "    —Very hard ...	23	2
"    "    —Very hard, with Quartz Pebbles, Locality called Catbrain ...	5	9
"    "    —Soft ...	0	9
"    "    —Very hard Rock ...	16	10
"    "    —Soft Rock ...	7	8
"    "    —Hard Rock ...	4	3
"    "    —Not so hard, with open cleft or Fault, and much sand washed up	7	9
"    "    —Hard with Pebbles ...	4	7
Fault ...	1	5
Red Sandstone—Hard ...	3	6
Marl ...	0	6
Red Sandstone—Moderately Hard ...	8	5
Marl ...	1	0
Red Sandstone—Very hard Rock ...	3	0
Fault or open Cleft ...	0	4
Red Sandstone Rock ...	2	7
Marl ...	0	6
Red Sandstone—Very hard ...	4	3
"    "    —Very hard, with Quartz Pebbles...	4	0
Alternating with a few inches of Hard Rock and Marl ...	6	4
Very soft, from which spring volumes of water. Don't know the extent of this strata, as the specified depth was completed. ...	13	8
	<hr/> 224	<hr/> 9

## A RETURN OF VACCINATION

WITHIN THE KIDDERMINSTER DISTRICT OF THE KIDDERMINSTER  
UNION FOR THE YEAR ENDED DECEMBER 31st, 1900.

No Births.	Vaccinated	Dead.	Objec- tors.	Insus- ceptible.	Post- poned.	Not found.	Under Vaccina- tion Age.
695	477	62	14	1	26	12	103

January 29th, 1901.

THOMAS WALLIS, V.O.







# Sanitary Inspector's Report, 1900.





# Sanitary Inspector's Annual Report

FOR THE YEAR 1900.

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GENTLEMEN,

I have much pleasure in submitting my Sixteenth Annual Report on the work done in my Department, viz. :- for the year ending December 31st, 1900.

## Bakehouses.

Number under Inspection	...	...	...	55
-------------------------	-----	-----	-----	----

These have been regularly inspected and lime-washed twice during the year.

There are no underground Bakehouses in the Borough, and in nearly every instance they are all well located for light and air.

## Dairies, Cow Sheds, and Milk Shops' Orders of 1885 & 1886.

Number of persons registered for the Sale of Milk	...	...	51
"          "          "      as cow keepers	...	...	10

These premises have been regularly inspected, and on the whole found clean.

## Slaughterhouses.

Butchers who have Slaughterhouses in rear of their shops	15			
Butchers who have to kill in Slaughterhouses a distance from their shops	...	...	...	17
Slaughterhouses in joint use	...	...	...	8
Slaughterhouses in single use	...	...	...	16
Number of Butchers in joint use of Slaughterhouses	...	...	...	15
Slaughterhouses unsuitable for Slaughtering	...	...	...	6
Slaughterhouses registered	...	...	...	17
Slaughterhouses licensed	...	...	...	7
Slaughterhouses pulled down	...	...	...	1

## Common Lodging Houses.

Number under inspection	...	...	...	5
Number of lodgers which can be accommodated	...	...	...	151

During the year the houses have been well conducted and kept clean.

### The Seats for Shop Assistants Act, 1899.

This Act came into operation on January 1st, 1900, and in accordance with instructions I visited all the retail shops and refreshment houses in the Borough. In some cases I found seats were already provided, and in other instances seats were provided after a second and in some cases a third visit. In most of the large places of business fixed seats are provided behind the counter, in others chairs are kept.

In Kidderminster the Act is well complied with. The Act requires that seats shall be provided behind the counter in proportion of not less than one seat to every three female assistants employed in each room.

### Factory and Workshops Acts.

Workshops under inspection	...	...	227
----------------------------	-----	-----	-----

### Report of Inspector of Canal Boats.

Number of Boats inspected	...	...	259
„ Boats on Register	...	...	158
„ Boats registered in 1900	...	...	7
„ of Women with Boats (inspected)	...	...	36
„ Ditto (Men)	...	...	509
„ Children under 5 years of age	...	...	29
„ Children between 5 and 12 years	...	...	14

### INFRINGEMENTS.

Registration...	...	...	2
Certificates	...	...	7
Marking	...	...	12
Painting	...	...	8
Cabins out of Repair	...	...	4
Total	...	...	33

### Testing of Drains.

In May I suggested to your Committee the need of a machine for properly testing house drains, when your Committee gave me permission to order an "Eclipse smoke testing apparatus," at a cost of £7 15s. 0d. The machine has now been in use over six months, and works admirably. It has been the means of finding out many defects in pipes and joints which otherwise would have been overlooked.



### Magisterial Proceedings.

Only one summons has been issued, viz., For not complying with notice to abate a nuisance. An order was made to do the work in fourteen days and pay costs of summons, £2 15s. 6d.

### Privy and Ashpit Cleansing.

Night Work: Privies and Middens cleansed	...	...	529
Day Work: Day Ashpits cleansed	...	...	3,393
Day Work: Portable receptacles cleansed	...	...	61,360
Total			65,282

Night Work: Loads of ashes and excreta	...	...	525
Day Work: Loads of ashes and refuse	...	...	5,800
Day Work: Loads of business refuse	...	...	60
Total			6,385

### Refuse Sorting.

During the year 299 loads of refuse have been sorted, from which 56 tons of embers have been obtained, and realised £8 9s. 1d. Wages paid for sorting, £15 10s. 5d.

<i>Receipts.</i>			<i>Expenditure</i>		
	£	s. d.		£	s. d.
To Sale of Embers	...	8 9 1	By Wages paid	...	15 10 5
„ 373 tons of Refuse saved from Boatage to Farm at 10d. per ton	...	15 10 10	„ Balance	...	8 9 6
	£23 19 11			£23 19 11	

### Unsound Food.

The butchers' shops and also the provision, fish, and fruit shops and markets have had continuous attention. In one instance I seized some cowwheel trimmings, in another unsound bananas; in both cases your committee had the tradespeople before them and gave them a caution. In another case a butcher asked me to inspect four-and-half carcasses of foreign mutton. I did so, and condemned them as being unfit for human food, and afterwards had them destroyed.

## SUMMARY

Workshops under inspection	...	227
Bakehouses	"	55
Milk Shops	"	33
Cowsheds	"	10
Slaughter-houses	"	24
Lodging-houses	"	5
Samples of Food procured for Analysis	...	64
Nuisances found	...	1464
Drains and w.c.'s opened by Court Sweeper	...	939
Notices served to abate Nuisances	...	903
School Notes served	...	567
Circulars served, <i>re</i> consumption	...	31
Infectious Disease, cases visited	...	386
Cases removed to Hospital	...	22
Houses Disinfected	...	126
Gallons of Disinfectant given away	...	125
Loads of House Refuse removed	...	6325
Loads of Business Refuse removed	...	60
Ashpits cleared	...	3393
Privies and Middens cleared	...	529
Portable receptacles cleared	...	61,360
Loads of Embers procured from Refuse	...	56
Loads of Manure sold	...	33
Canal Boats inspected	...	259
Canal Boats registered	...	7
Cash collected	£248 13s. 11d.	
Meteorological Observations taken	...	365

Total amount of cash collected and paid to the Borough Treasurer during the year, £248 13s. 11d.

One horse has been purchased during the year at a cost of £50; the old horse realised £10.

The other details of my work are tabulated on the accompanying tables.

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.



## SANITARY DEFECTS AND NUISANCES

*Found and reported upon during the year.*

NATURE OF NUISANCES.	TOTALS.
Ashpits and Privies out of repair ...	119
Water Closets out of repair ...	87
Stoppages in Drain Pipes ...	109
Drains imperfectly trapped and out of repair ...	175
Flushing Cisterns out of repair ...	161
Wash-houses, Sinks, &c., out of repair ...	106
Dwelling-houses require whitewashing ...	230
Premises require limewashing ...	94
Dwelling-houses out of repair ...	42
Overcrowding dwelling-houses ...	8
Houses kept in a dirty condition ...	6
Defective rain-water spouting ...	122
Defective Yard and Wash-house paving ...	72
Poultry kept as a nuisance ...	30
Animals kept as a nuisance ...	20
Offensive accumulations ...	33
No ash receptacles ...	15
Urinals out of repair ...	7
Insufficient supply of water ...	6
Insanitary workshops ...	6
Bakehouses require limewashing ...	4
Nuisances from smoke ...	4
Miscellaneous ...	8
Total	1464
Notices served for their abatement ...	903
Notices complied with ...	851
Leaving on Books on December 31st, 1900 ...	52
Nuisances abated without the serving of notices ...	20

## Sale of Food &amp; Drugs Acts, 1875 &amp; 1879.

*Samples taken during the year 1900, and results.*

Article.	Genuine.	Adulterated.	Extent of Adulteration (if any).	Results.
Milk ...	22		Genuine ..	
Castor Oil ...	2		Genuine ..	
Ipecacuhana				
Wine ...	2		Genuine ..	
Cheese ...	1		Genuine ..	
Linseed Meal	1		Genuine ..	
Demerara				
Sugar	1		Genuine ..	
Butter ...	8		Genuine .	
Yeast ..	2		Genuine ..	
Brandy ...		1	Diluted 7% beyond Statutory limit of 25 % U.P.	Cautioned by Committee ..
Whiskey ...	5		Genuine ..	
Whiskey ...		1	Diluted 4:6 % beyond Statutory limit of 25 % U.P.	Cautioned by Committee .. Paid Cost £1 1s. .
Camphorated Oil...	1		Genuine ...	
Glycerine ..	1		Genuine ..	
White Pepper	1		Genuine .	
Epsom Salts	1		Genuine ..	
Port Wine ...	1		Genuine ..	
Ale ..	7		Genuine ...	
Ale ...		1	Shows a slight trace of Arsenic	Cautioned by Committee..
Glucose ...	4		Genuine ..	
Oatmeal ..	1		Genuine ..	
Totals...	61	3		



## REMOVALS, &amp;c., TO THE BOROUGH HOSPITAL.

	1894	1895	1896	1897	1898	1899	1900
<b>Borough Cases, No. of</b>	199	97	53	25	9	69	22
<b>Borough Pauper Cases, No. of</b>	17	14	8	3	...	11	...
Cash received for main- tenance	£ s. d. 182 0 6	£ s. d. 93 19 0	£ s. d. 86 9 0	£ s. d. 43 3 4	...	£ s. d. 37 19 0	£ s. d. 51 16 8
<b>Kidderminster Infirmary.</b>							
Cases admitted	...	...	1	3	1	1	3
Cash received for main- tenance	...	...	...	...	...	...	...
<b>Kidderminster Rural District Council.</b>							
Cases admitted	60	7	23	9	1	6	9
Cash received for main- tenance	£ s. d. 854 12 6	£ s. d. 48 11 8	£ s. d. 278 18 8	£ s. d. 77 14 8	£ s. d. 19 17 4	£ s. d. 20 10 4	£ s. d. 112 6 0
<b>Droitwich Rural District Council.</b>							
Cases admitted	...	...	1	...	...	...	2
Cash received for main- tenance	...	...	...	£ s. d. 9 5 8	...	...	£ s. d. 10 15 4
<b>Stourport Urban District Council.</b>							
Cases admitted	24	2	3	...	12	3	10
Cash received for main- tenance	£ s. d. 368 8 0	£ s. d. 28 3 4	£ s. d. 31 9 8	...	£ s. d. 57 8 8	£ s. d. 58 19 0	£ s. d. 110 2 0
<b>Martley Rural District Council.</b>							
Cases admitted	...	...	...	...	1	...	1
Cash received for main- tenance	...	...	...	...	£ s. d. 4 19 0	...	£ s. d. 9 14 4
<b>Bewdley Urban District Council.</b>							
Cases admitted	...	...	...	...	...	...	...
Cash received for main- tenance	...	...	...	...	...	...	...
<b>Private Foreign Cases.</b>							
Cases admitted	...	...	5	...	2	1	...
Cash received for main- tenance	...	...	£ s. d. 36 1 2	£ s. d. 9 14 4	£ s. d. 20 6 0	£ s. d. 3 17 4	...
Average No. of Weeks each Patient remained in Hospital	6.75	7.3	5.65	5.85	5.15	5.32	6.41

# METEOROLOGICAL REPORTS

For the year ending December 31st, 1900.

FROM OBSERVATIONS TAKEN AT 9 A.M. DAILY.

METEOROLOGICAL STATION, PROSPECT HILL.

Height above Sea Level, 161 Feet.

Month.	Baro- meter-	Temperature.			Humi- dity.  Average Humi- dity.	Wind.	
		Mean.	Mean Max.	Mean Min.		Total Miles	Prevailing Direction at 9 a.m.
1900.							
January ...	29.56	45.2	34.4	39.6	87	4124	s s w
February ...	29.47	42.6	30.3	36.0	87	3408	N
March ...	29.98	44.8	32.4	37.6	77	3003	N
April ...	29.93	57.1	33.7	46.4	70	3404	w, s w
May ...	29.86	59.4	42.8	49.4	74	3833	N, s w
June ...	29.82	68.2	50.0	56.8	72	3610	s w, s
July ..	29.89	76.1	53.8	63.4	67	3078	N w, W N W
August ...	29.89	68.8	52.1	58.7	75	3253	s, N
September .	30.09	67.2	46.8	55.7	80	2623	s, s w, N
October ...	29.89	57.0	41.7	48.4	84	3392	s, s w, N
November ..	29.66	50.3	39.5	44.4	87	2819	N, s
December ...	29.82	50.4	39.0	44.8	87	5086	s, s w

The highest temperature occurred on July 19th, 89.6.

The lowest temperature occurred on Feb. 10th, 13.8.

The mean annual temperature ... 48.5.



# METEOROLOGICAL REPORT FOR 1900.

*From observations taken at 9 a.m. daily of EXTREMES, AVERAGES, &c., for each quarter, ending Nov. 30, 1900.*

	WINTER. 1899. 1900. Dec. Jan. Feb.	SPRING. Mar. April May,	SUMMER. Jun. July August.	AUTUMN. Sept. Oct. Nov.
Highest Reading of Barometer	30.50	30.64	30.35	30.60
Lowest " "	28.53	29.15	29.22	29.00
Highest Temperature in Shade	58.8	72.2	89.6	73.0
Lowest " "	13.0	22.7	43.2	30.3
Highest Humidity (0--100) ...	97	97	93	99
Lowest " (0--100) ...	68	48	40	59
Wind Velocity in Miles:				
Highest ...	315	364	324	251
Ditto ditto Lowest ...	3	10	25	6
Total Rainfall (0--100=1 inch)	7.24	3.65	6.44	4.68
Rainfall, corresponding period	6.22	3.79	5.24	5.48
Prevailing direction of Wind 9 a.m. ...	N, N W	N, S W	S, N, N W	N, S, S W
Average Maximum Temperat're	43.0	53.1	71.1	58.1
" Minimum "	31.6	38.0	52.0	42.7
" Mean "	37.0	44.4	59.7	49.5
" Humidity (0--100) ...	86	74	71	84
The Warmest Day occurred on	Feb. 24 49.7	April 20 55.1	July 24 75.2	Sept. 23 62.6
The Coldest Day occurred on	Dec. 14 19.6	March 19 30.4	June 15 49.9	Nov 11 36.1

## Mean Annual Temperature for past five years.

1900	..	...	48.5
1899	..	...	49.2
1898	...	...	50.7
1897	...	...	54.2
1896	...	...	49.0

## RAINFALL.

For the year ending December 31st, 1900.

*Rain Gauge—Height on top of Ground, 1 foot.*

Month.	Total depth.	Greatest Rainfall in 24 hours.		No. of days on which .01 or more rain fell.
	Inches.	Depth.	Date.	
1900.				
January ...	2.94	0.69	6	23
February ...	3.40	0.67	26	20
March ..	0.79	0.35	19	9
April ...	1.08	0.26	30	13
May ..	1.78	0.46	9	13
June ...	2.24	0.40	12	19
July ...	2.06	0.86	27	9
August ..	2.14	0.36	3	14
September ..	0.56	0.31	29	7
October ...	2.39	0.49	5	20
November ..	1.73	0.28	12	20
December ..	4.38	2.32	30	20
TOTAL ...	25.49	2.32	Dec. 30	187

TOTAL RAINFALL	1891	...	21.84
"	1892	...	27.43
"	1893	...	18.30
"	1894	...	23.96
"	1895	...	20.85
"	1896	...	18.08
"	1897	...	20.87
"	1898	...	16.22
"	1899	...	21.00
"	1900	...	25.49

Average rainfall for the past ten years, 21.40.



# STREET LIST OF KNOWN CASES OF INFECTIOUS DISEASES.

STREETS.	Measles.	Scarlet Fever.	Typhoid Fever.	Diphtheria.	Membranous Croup.	Erysipelas.	Puerperal Fever.
Anchor Fields ...	4						
Arch Hill ...	1						
Back Queen Street ...	7					1	
Baxter Street ...	4	1		1			
Baxter Street Extension ...	6			2			
Bennett Street ...	3			5			
Bewdley Hill ...	1			3	1		
Bewdley Street ...			1				
Blackwell Street ...	2						
Blakebrook ...	3			1		1	
Boulters Lane ...	2		2				
Broad Street ...	26					1	
Bromsgrove Street ...	4	4		2		2	
Brussell Street ...	1						
Bull Ring ...	1						
Cemetery Street ...	2						
Chapel Street ...	7			1			
Cherry Orchard ...	4						
Churchfields ...	5	2	1			1	
Church Street ...	3						
Clarence Street ...	1						
Clensmore ...	19		1	1		2	
Coalfield Row ...	1					1	1
Cobden Street ...	1						
Comberton Hill ...				1		3	
Coventry Street ...	4					1	
Crane Street ...	2	1					
Crescent Road ...	1						
Cross Street...	1	2					
Crowther Street ...	1			1			
Chester Road ...	3	2		2			
Dudley Street...	7	1		2			
Duke Street...	3						
East Street ...	6	1	2	1		2	1
Fair Street ...	4					1	
Farfield Street ...		1		2			
Fiadon Street ...	1		1			1	
Franchise Street ...	2					2	
George Street ...	4						
Hall Street ...	3	2					
High Street ...			1				
Hill Street ...				3			
Hoo Road ...			1			3	
Horsefair ...	8					1	
Hurcott Road ...	3						
Hurcott Street ...	10	2		1		2	
Infirmery ...		3	1	1	1	5	
Lark Hill ...	3						
Lea Street ...		2					
Leswell Lane ...	3		1	1		2	
Leswell Street ...	2	1	1			1	
Linden Avenue ...	1						
Lion Hill ...	1						
Lion Street ...				1			
Lion Square...	1						
Long Acre ...	5						
Lorne Street ...	2	2		1		1	
Marlborough Street ...	3						
Carried forward ..	192	27	13	33	2	34	2

## STREET LIST---continued.

STREETS.		Measles.	Scarlet Fever.	Typhoid Fever.	Diph- theria.	Membran- ous Croup.	Erysipelas	Puerperal Fever.
Brought forward	...	192	27	13	33	2	34	2
Market Street	...	1						
Mason Street	...	8			1		1	
Mill Lane	...	8			1			
Mill Street	...	3						
Mount Pleasant	...							
New Wood Street	...	3		1				
Orchard Street	...	6						
Oxford Street	...				1		1	
Offmore Road	...	6	2		2	1	1	
Paradise Row	...	2						
Park Lane	...	4			1			
Paternoster Row	...				1			
Peel Street	...	2	1		2			
Pitts Lane	...	2						
Pleasant Harbour	...	2					1	
Pleasant Street	...	12						
Park Street	...	26	1	1	4		1	
Prospect Hill	...	3	2	2				
Prospect Lane	...	7						
Rackfields	...	2			2			
Radford Avenue	...	1						
Rock Terrace	...				1		2	
Roden Avenue	...				2		1	
Shrubbery Street	...				1		1	
Silver Street	...						2	
South Street	...	5						
St. George's Terrace	...	5	1		1			
St. John Street	...	4			3	1	1	
Stourbridge Road	...		3		1			
Stourbridge Street	...	14		1				
Sutton Road	...	3			1		1	
Talbot Street	...				1			
Vicar Street...	...		1					
Washington Row	...	3	1					
Woodfield Crescent	...		1	1	3		1	
Woodfield Street	...	6			2			
Wood Street	...	15			8		3	
Worcester Street	...	3			2			
Workhouse	...	6					2	
York Street	...	6		1				
Queen Street	...	3			1			
Totals	...	363	40	20	75	4	53	2



## STREET LIST - continued.

Block	Lot	Owner	Address	City	State
1	1	...	...	...	...
1	2	...	...	...	...
1	3	...	...	...	...
1	4	...	...	...	...
1	5	...	...	...	...
1	6	...	...	...	...
1	7	...	...	...	...
1	8	...	...	...	...
1	9	...	...	...	...
1	10	...	...	...	...
1	11	...	...	...	...
1	12	...	...	...	...
1	13	...	...	...	...
1	14	...	...	...	...
1	15	...	...	...	...
1	16	...	...	...	...
1	17	...	...	...	...
1	18	...	...	...	...
1	19	...	...	...	...
1	20	...	...	...	...
1	21	...	...	...	...
1	22	...	...	...	...
1	23	...	...	...	...
1	24	...	...	...	...
1	25	...	...	...	...
1	26	...	...	...	...
1	27	...	...	...	...
1	28	...	...	...	...
1	29	...	...	...	...
1	30	...	...	...	...
1	31	...	...	...	...
1	32	...	...	...	...
1	33	...	...	...	...
1	34	...	...	...	...
1	35	...	...	...	...
1	36	...	...	...	...
1	37	...	...	...	...
1	38	...	...	...	...
1	39	...	...	...	...
1	40	...	...	...	...
1	41	...	...	...	...
1	42	...	...	...	...
1	43	...	...	...	...
1	44	...	...	...	...
1	45	...	...	...	...
1	46	...	...	...	...
1	47	...	...	...	...
1	48	...	...	...	...
1	49	...	...	...	...
1	50	...	...	...	...
1	51	...	...	...	...
1	52	...	...	...	...
1	53	...	...	...	...
1	54	...	...	...	...
1	55	...	...	...	...
1	56	...	...	...	...
1	57	...	...	...	...
1	58	...	...	...	...
1	59	...	...	...	...
1	60	...	...	...	...
1	61	...	...	...	...
1	62	...	...	...	...
1	63	...	...	...	...
1	64	...	...	...	...
1	65	...	...	...	...
1	66	...	...	...	...
1	67	...	...	...	...
1	68	...	...	...	...
1	69	...	...	...	...
1	70	...	...	...	...
1	71	...	...	...	...
1	72	...	...	...	...
1	73	...	...	...	...
1	74	...	...	...	...
1	75	...	...	...	...
1	76	...	...	...	...
1	77	...	...	...	...
1	78	...	...	...	...
1	79	...	...	...	...
1	80	...	...	...	...
1	81	...	...	...	...
1	82	...	...	...	...
1	83	...	...	...	...
1	84	...	...	...	...
1	85	...	...	...	...
1	86	...	...	...	...
1	87	...	...	...	...
1	88	...	...	...	...
1	89	...	...	...	...
1	90	...	...	...	...
1	91	...	...	...	...
1	92	...	...	...	...
1	93	...	...	...	...
1	94	...	...	...	...
1	95	...	...	...	...
1	96	...	...	...	...
1	97	...	...	...	...
1	98	...	...	...	...
1	99	...	...	...	...
1	100	...	...	...	...