## [Report 1897] / Medical Officer of Health, Kidderminster Borough.

#### **Contributors**

Kidderminster (England). Borough Council.

#### **Publication/Creation**

1897

#### **Persistent URL**

https://wellcomecollection.org/works/cv7z4h56

#### License and attribution

This work has been identified as being free of known restrictions under copyright law, including all related and neighbouring rights and is being made available under the Creative Commons, Public Domain Mark.

You can copy, modify, distribute and perform the work, even for commercial purposes, without asking permission.





## BOROUGH OF KIDDERMINSTER.

600

## REPORTS

ON THE

HEALTH OF THE BOROUGH,

BY THE

MEDICAL OFFICER OF HEALTH

AND

SANITARY INSPECTOR.

\_C. 1897 .9\_

KIDDERMINSTER:

PRINTED BY WILLIAM HEPWORTH, BULL RING.

## HEALTH COMMITTEE

## (KIDDERMINSTER CORPORATION).

6-0-0

#### Chairman:

## COUNCILLOR M. COLE.

## The Mayor:

COUNCILLOR G. W. GROSVENOR.

ALDERMAN	H.	Н	ERRING.	Councillor	A.	COCHRANE
,,	T.	S.	BUCKNALL.	**	J.	RAY.
19	E.	PA	RRY.	"	Т.	GRIFFIN.
Councillor	R.	S.	WILSON.	,,	Т.	PENSOTTI.
"	G.	A.	WESTON.	,,	J.	ROBINSON.
,,	J.	GA	RLICK.			

### Medical Officer of Health:

DAVID CORBET.

#### Public Analyst:

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

## Sanitary Inspector:

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

#### Clerk:

C. M. ROBINSON.

## \*\* ANNUAL REPORT \*\*

For the Year 1897.

-----

### TOWN HALL,

JANUARY 25th, 1898.

GENTLEMEN,

The returns of Deaths (Form A) and of new cases of infectious Deaths. sickness (Form B) I herewith hand you duly completed.

During the year there have been 617 Births, or 24.68 in the Births. thousand. Males 302. Females 315.

Below I have tabulated the Birth and Death Rates for the years 1888 to 1897 inclusive, which method I hope is easy for the purpose of comparison.

The total number of Deaths from all causes, diseases, and ages, Mortality. which have been registered, is 427. The number in each sex being 224 males and 203 females.

53 Deaths have occurred in the Workhouse.

28 " " Infirmary.

There have been 31 Inquests held during the year.

Inquests.

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

Under	1 year	 	111
Betwee	n 1 and 5 years	 	45
	5 ,, 15 ,,	 	17
	15 ,, 25 ,,	 	19
,,	25 ,, 65 ,,	 	122
,,	65 and upwards	 	113

The Death Rate per thousand for the year is 17.08.

Note:—Excluding Deaths of persons in Public Institutions from other localities, the Death Rate would be 16.16.

Compared with the last nine years the Birth and Death Rates are as follows:—

	Birth	Rate.			Death	Rate.	
1888			28.03	1888			17.05
1889			26.01	1889			160.8
1890			26.09	1890			17.23
1891			25.16	1891			18.13
1892			26 96	1892			19.12
1893			26.72	1893			17.24
1894			25.64	1894			15.64
1895			25.48	1895			18.88
1896			24 56	1896			15.92
1897			24.68	1897			17.08

### Zymotic Diseases.

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

Diseases.		1888	1889	1890	1891	1892	1893	1894	1895	1896	1897
Small Pox											
Scarlet Fever			1	1		1	3	1			1
Typhoid Fever		2	2	1	1	2	2	1		2	3
Measles		2	18	5	3	13	4	15	1	1	22
Diphtheria		3	2	1	12	4	5	4	2	3	2
Diarrhœa		19	24	15	15	14	24	4	11	9	6
Whooping Cou	gh	5		6	5	15			4	2	11
Totals		31	47	29	36	49	38	25	18	17	45

#### Measles.

Measles.—Deaths 22.—This disease has been epidemic during the last five months of the year, it is impossible to say how many cases have occurred as Measles is not now notifiable under the Infectious Diseases (Notification) Act, 1889.

I have found it necessary to advise the closing of the following Schools, but I am not prepared to state that the closing of the Schools in any way checked the spread of the disease.

St. Ambroses Infants	 From Sept. 10 to Oct. 4.
New Meeting Infants	 From Sept. 16 to Oct. 11.
Mill Lane Infants	 From Sept. 25 to Oct. 18.
St, John's Infants	 From Oct. 15 to Nov. 22

From Oct. 30 to Dec. 6. Hume Street Infants From Nov. 4 to Nov.29. Coventry Street Infants From Nov. 15 to Dec. 20. St. George's Infants From Nov. 29 to Dec. 20. Worcester Cross Infants

Small Pox.- No cases occurred during the year.

Small Pox.

Scarlet Fever.—Cases 7; Deaths 1.—Of the 7 cases 18 were Scarlet Fever. removed to the Hospital; the cases have been of a mild type; the last case was reported on the 19th November. At the present time we have no known case in the Borough, and there is no patient in the Hospital.

Typhoid Fever.—Cases 12; Deaths 3.—Four of these cases Typhoid Fever. occurred in one house where the sanitary surroundings were anything but satisfactory, but steps were immediately taken to remedy all defects as far as possible, but still, after fully investigating the outbreak, I feel convinced the disease was in the first two cases contracted outside the Borough. The remaining cases were fully investigated, but I was unable to trace the origin of the disease.

Diphtheria. - Cases 28; Deaths 2. - There has been a great Diphtheria. falling off in the number of cases reported this year, viz. 24, as against 73 for the previous year. Each separate case has been strictly investigated with the result that no special cause has been found, the sanitary surroundings in all cases being perfect.

Hospital .- During the year I have received and treated in the Hospital. Borough Hospital 40 cases of Scarlet Fever, 25 of which cases belonged to the Borough, 9 to the Rural District Council, 3 from the Infirmary and 3 pauper cases.

The Staff varies according to the number of Patients. On December 31st it consisted of the following-Medical Superintendent, Matron, two Probationers, one Cook, one Gardener. There were no Patients in on December 31st.

The Slaughterhouses, Bakehouses, Lodginghouses, Workshops, Slaughterhouses Milkshops and Cowsheds have been regularly inspected, and on the whole found clean.

The New Bye Laws in reference to Cowsheds I hope will be New Bye Laws. strictly enforced, as Milk is one of our chief and important food supplies. At present most if not all of the Cowsheds are overcrowded; 800 cubic feet of air space is none too much for each cow. I also think more attention might be given to the grooming of Milch Cows.

#### Court Sweeping.

Court Sweeping.—A man is engaged on an average three days a week, his duties consist in visiting all Courts and large Party Yards. He sweeps up all Refuse found lying about, he pays especial attention to the state of the Drains, Privies, W.C.'s, Ashpits, Ashtubs, Urinals, &c.

This work is most valuable in contributing to the sanitary state of the Borough.

#### Privies and Middens.

Privies and Middens.—Thirteen years ago we had four carts on regular at night work, now we have not sufficient work to keep one cart on constantly, through the large number of Privies and Middens which then existed having been converted into Water Closets.

#### Household Refuse.

The Disposal of Household Refuse.—The bulk of the Ashpit and Household Refuse is still being conveyed by Canal to the Oldington Farm, but in my opinion, the only correct way of dealing with our Refuse would be by a Destructor.

The Sanitary Inspector has recently commenced a sorting process which appears to be working satisfactorily; he separates the embers for burning, the vegetable refuse, rags, &c., for manure, and fine ash, which is said to be valuable for top dressing on meadow land.

#### Housing of Working Classes Act.

The Housing of the Working Classes Act, 1890.—The accompanying table will show our work under this Act:—

#### HOUSES DEALT WITH.

YEAR.	Houses made habitable.	Houses closed.	Houses pulled down.	Houses sti remaining closed.
1891	15	6	6	
1892	5	7	2	5
1893	11	6	4	2
1894	2	2		2
1895	7	8		8
1896	8	4		4
1897 *				
Totals	48	33	12	21

\* Three houses are being dealt with.

## Dirty Houses.

I have certified 103 houses that required Cleansing and Whitewashing as per Section 46 of the Public Health Act, 1875.

The Water Supply is derived from three Artesian Wells, and is Water Supply. pumped direct into the mains, the surplus being stored in a covered service reservoir of 2,000,000 gallons capacity, or about a 3 days supply. During the past summer the Water Works Committee found it necessary on several occasions to shut off the supply of water from 11 p.m. to 6 a.m. The following extracts from the Borough Engineer's Annual Reports will explain the reason for this :- Report Nov. 1895, "I would call attention to the diminution in the rainfall during the past two years, how far this is likely to affect the supply of water in the Artesian Wells can only be a matter of conjecture, my opinion is that unless there is a normal rainfall during the coming winter the yield from the bore holes will be diminished." Report Nov. 1896, "Artesian Wells, I regret to say my prognostication was correct; the quantity of water derived from the Wells has been less than 1895 and still continues low. Unless the rainfall from Dec. to Feb. is in excess of last year great care will have to be exercised to maintain a Report Nov. 1897, "In my Report last year I alluded to full supply." the low rainfall as being likely to affect the supply of water from the Artesian Wells, and foreshadowed a diminution in the supply. I am sorry to say this has been so, the yield from the bore holes having diminished, and during the summer months it became necessary to take off the supply during certain hours of the night and early morning, and I am afraid this will have to be continued during the ensuing summer, unless the supply is augmented." I consider it highly desirable that a constant supply should, if possible, be maintained, as most of the W.C.'s in dwelling houses are furnished with syphon flushing cisterns, supplied direct from the mains and contains only one flush, if used during the night the fæces remain in the pan and there is a danger of the pipes becoming polluted from an influxion of the vitiated air into the pipes, with this exception the water supply has been satisfactory.

Shallow Wells to Dwellinghouses hardly exist in the Borough, nearly every house is supplied with Town Water.

The water supply was analyzed in October last. The following is a copy of the Analyst's Report :-

## PUBLIC ANALYSTS LABORATORY,

## 10 VICTORIA STREET,

## WOLVERHAMPTON,

22nd Oct., 1897.

## Certificate to The Town Council, Kidderminster.

Sample of "Water ex tap in Police Yard, Oct. 18th, 1897," sent by your Boro' Engineer (Mr. Comber).

	Grains per Ga	llon.
Total Solid Matter dried @ 212°	F 18.90	
Free and Saline Ammonia	0.000	
Organic Ammonia	0.000	
Nitric Nitrogen	0.22	
Combined Chlorine	1.68	
Oxygen absorbed in 4 hrs. @ 80°	F 0.00	
Appearance	Very clear	
Color thro' 2 feet	. Very pale, bluish	tinge.
Injurious Metallic Contamination	None.	
Hardness before boiling	8·16°	
" after "	4·70°	

This sample of water is organically very pure, and in all other respects it is satisfactory for drinking and domestic use.

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

Sewers. - Constant attention has been given to the cleansing and Sewers. flushing of the Sewers, a staff of men being specially told off for that purpose. Very few complaints have been received of smells from the When cases of infectious diseases occur they are at once Sewers. reported to the Borough Engineer's Department by the Sanitary Inspector, and special attention is given to the drains in the locality by extra flushing and disinfecting, the disinfectant used being Manganate of Soda. The dead ends of the Sewers are well supplied with automatic flushing cisterns, supplied from the water mains, the outlets from the syphons varying in size from 9" to 6" diameter. The capacity of the cisterns are 1,200, 937, and 707 gallons, the latter being the prevailing size. They are adjusted to discharge every 24 hours. The total number of cisterns is 61 and the estimated quantity of water discharged per 24 hours is 42.918 gallons. The tanks are periodically inspected and tested. A flushing cart with quick flushing arrangement is also used. A record of the dates of inspection is kept in the Borough Engineer's Office. system of ventilation is by means of gratings to the manholes and lampholes in the streets, and by ventilating shafts carried above the roofs of houses and up trees. There are 43 of these shafts, the minimum area of them is 30, and the maximum 113 square inches, nearly the whole are fitted with extract tops. Additional shafts are erected when the consent of owners of property can be obtained. In two instances chimney stacks are utilized. I have had the temperature of the sewage in the main sewer taken at intervals during the day, the maximum being 77° and the minimum 62° Fah., the average being 67.4°. This is lower than in former years and is owing to some of the largest of the dyehouses having adopted cooling cisterns into which the spent dyes from the vats is run and allowed to cool before being discharged into the The bulk of the latrines at the factories are of the trough form and have automatic cisterns of 60 gallons capacity, discharging at frequent intervals. Similar latrines are supplied in many instances to blocks and rows of Cottages, and to Schools.

The Tables appended to this Report I hope will be found ample General for placing before you the amount of Sanitary Work which has been carried on during the year.

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 on the whole things have worked smoothly.

I am Gentlemen, your obedient Servant,

DAVID CORBET, Medical Officer of Health.

To the Chairman of the Health Committee-Councillor M. COLE.

Remarks.

TABLE A.

TABLE OF DEATHS

During the Year 1897, classified according to Diseases, Ages, and Localities.

1	21		Torals.	145	200	61	20:	7	22	155	272		
	20		Diseases.	92	901	-	31	9	13	66	150		
_	61		Injured.	63	7	н	. "		7	3	17		
dre	18	.,	Heart Disease		30:	- Win	· m		61		35		
Chil	-	-	Pleurisy.		:		:				:		
Deaths of Children	17	pu	Bronchitis, Pneumonia, ar	=	23		7	-		12	30		
aths	91	Phthisis.		Phthisis.		-	28		4			I	32
De	15		Kheumatic Fever.				-				-		
Age.	14		Dysentery.	9	:					9			
guislof A	13		Whooping Cough.	10	-					10	-		
, distinguishing Years of Age.	12		Measles.	61	. (4	-	:			20	. 61		
s, d	Ξ		Erysipelas.		-						-		
Mortality from subjoined causes, under Five	01		Cholera.				:						
ined c	6		Puerperal.				:						
joine	00		Relapsing.		:		:						
qns	7	Fevers.	Continued.										
шо	9	F	Enteric or Typhoid.		. 61	li mi	-						
y fr	- 5		Typhus.		:		:						
rtalit	4		(roup	н						-			
Mo	- 6		Diphtheria.	64	:		:			63			
	23	Scarlatina.		-	:					-			
	-		Small Pox.					1					
				Under 5	5 upwds	Under 5	S upwds	Under 5	5 upwds		S upwds		
so.		's	65 and upward	0	70	0	02	1	-	:	113		
Mortality from all Causes at Subjoined Ages.		-50	25 and under 6	,	8		17		7	1	122		
Age		-52	12 and under				-		0		6		
rtality from all Car at Subjoined Ages		- 9	2 and under 15	sbat	12		4		•	1	17		
ty fr			1 sud under 5.		40		-		Ť	1	45		
at S			Under I Year.		8		61		2				
M	At all Ages.			345	100	53	-	67	1	427			
					:		:		:		:		
			Вокопси		WORKHOUSE		INFIRMARY		TOTALS				

TABLE B.

TABLE of POPULATION, BIRTHS, and of NEW CASES of INFECTIOUS SICKNESS.

							. 1
in ital.	13				:		
losp	12				:		
OH O	Ξ		Erysipelas.				
their	01		Cholera.	:			
om t	6		Puerperal.	- No.		Tr. TV.	:
d fr	- 00		Relapsing.		:		:
Number of such Cases removed from their Homes in he several Localities for Treatment in Isolation Hospita	-	Fevers.	Continued.		:		:
Tre	9	Fe	Typhoid.	:		:	
for	_		Enteric or	:	:	:	
Conties	10	1,1	Typhus.	:	:	- :	-:-
such	4		Membraneous Croup.		-:		
of a	3		Diphtheria.				
nber	61		Scarlitina.	01 91	н : н	- 2	12
Number of such Cases removed from their Homes in the several Localities for Treatment in Isolation Hospital.	1		Small Pox.	:	•		:
	13		7	:			:
to t	12			:			
ning	=		Erysipelas.	e : 00	4	:	34: 3
Locality coming to the Officer of Health.	01		Сројега.	111	:		1/1
Locality	6		Puerperal.	-	:		-
			Relapsing.				-
each	1	Fevers.	Continued.		. :		
ss in	- 9	F	Enteric or Typhoid.	1 0	-	1	- ::
knes f the	- 2		Typhus.		:		
Cases of Sickness in each knowledge of the Medical	4		Membraneous Croup.	4 -	:		2 :-
es o wled	3		Diphtheria.	4:4	:		4 : 42
New Cases of Sickness in each knowledge of the Medical	61		Scarlatina.	10		1 : 0	12
Zev	-		Small Pox.		:		1
2		Aged	or or over 5.	Under 5	Under 5	Under 5	Under 5 5 upwds
-		ths.	Registered Bir				
tion			Estimated to middle to 189	24,803 25,000 617			
Population at all Ages			Census 1891.	24,803			
				Вокоисн	Workhouse	INFIRMARY	Totals

## MONTHLY RETURN OF BIRTHS AND DEATHS

for the Borough of Kidderminster, as presented to the Health Committee at each Meeting held every fourth Tuesday.

		BIR	RTHS	S.		DEATHS.						
Month ending.		Males.	Females.	Total.	Rate per 1,000 of the Popu- lation.	Month ending.	Males.	Females.	Total.	Rate per 1,000 of the Popu- lation.		
189	7.					1897.						
Jan.	26	19	23	42	21.21	Jan. 26	18	12	30	15.60		
Feb.	23	35	23	58	30 04	Feb. 23	25	26	51	26.13		
Mar.	23	26	17	43	22.09	Mar. 23	18	18	36	18.18		
April	20	21	32	53	27.14	April 20	19	15	34	17:17		
May	18	31	17	48	24.14	May 18	19	15	34	17:17		
June	15	20	25	45	23.10	June 15	10	15	25	13.00		
July	13	20	27	47	24.11	July 13	9	9	18	9.09		
Aug.	10	18	25	43	22.09	Aug. 10	15	8	23	11.24		
Sept.	7	23	14	37	19.24	Sept. 7	16	18	34	17:16		
Oct.	5	23	22	45	23.40	Oct. 5	17	13	30	15.60		
Nov.	2	28	30	58	30.16	Nov. 2	14	16	30	15.60		
Nov.	30	19	27	46	23.92	Nov. 30	16	26	42	21.84		
Dec.	28	12	17	29	15.08	Dec. 28	18	18	36	18.72		
Tota	ls	295	299	594	23:76	Totals	214	209	423	16.92		

NOTE.—The above include all Deaths at the Workhouse and the Infirmary.

## MORTALITY.

Comparative Table of Towns in England and Wales.

	18	96.	189	97.
NAME OF TOWN.	Deaths per 1,000	Principal Zymotic Diseases	Deaths per 1,000	Principal Zymotic Diseases
Aston Manor	 15:05	3.52		
Birkenhead	 19.19	2.97		
Birmingham	 20.81	3.57		
Bolton	 20.73	2.80		
Blackburn	 17.87	1.82		
Bradford	 16.51	1.58		
Brighton	 16.13	1.63		
Bristol	 16.90	1.90		
Cardiff	 16.84	2.27		
Coventry	 16.07	2.15		
Derby	 15.65	1.91		
Dudley	 22.06	3.87		
Halifax	 17:33	1.10		
Huddersfield	 16.47	1.60		
Hull	 18.91	3.32		
Kidderminster	 15.92	0.68	17.08	1.80
Leeds	 18.75	2 28		
Leicester	 16.72	2.97		
Liverpool	 22.74	3.01		
London	 18.58	3.14		
Manchester	 22.64	3.42		
Newcastle-on-Tyne	 18.46	2.08		
Norwich	 17:38	2 33		
Nottingham	 17:50	2.47		
Oldham	 20.27	2.91		
Plymouth	 19.57	2.30		
Portsmouth	 16.57	2.11		
Preston	 20.76	1.86		
Salford	 22.64	4.10		
Sheffield	 19 26	2.91		
Smethwick	 16 06	2 16	80	
Sunderland	 19.82	3.00		
Walsall	 17:08	2·47 3·26	2 1	
West Bromwich	 20.05			
Wolverhampton	 19 95	3·11 3·47	100	
Worcester	 19:00	0.41		

INFECTIOUS DISEASES.

MONTHLY NOTIFICATIONS.

Total 1892	:	:	11	6	48	75	:	22	:	225
Total 1893	13	:	33	.:	46	206	:	6	61	309
Total 1894	9	:	56	ŭ	61	318	:	8	: •	424
Total 1895	1	:	25	4	47	140	:-	4	ତୀ	223
Total 1896	:	:	7.9	7	74	92	:	18	1	271
Total 1897	:	:	58	3	37	39	:	12	1	120
Dec.	:	:	1	67	33	:	:	:	-:	9
Nov.	:	:	-	:	61	4	:	:	:	1-
July Aug. Sep. Oct. Nov. Dec.	:	:	:	:	3	:	:	1	:	4
Sep.	:	;	1	:	60	62	:	65	:	6
Aug.	:	;	ಣ	:	1	4	:	:	:	∞
July	:	:	:	:	60	:	:	:	:	ಣ
June	:	:	7	:	67	cī	:	:	:	11
May	:	:	ů.	:	20	19	:	-	:	30
April	:	:	¢1	:	63	67	:	61	1	10
Feb. Mar. April May	:	:	3	:	1-	5	:	63	-1	17
	:	:	c1	1	67	1	:	Ç7	:	∞
Jan.	:	:	ಣ	:	65	:	:	1	:	7
1897.	Small Pox	Cholera	Diphtheria	Membraneous Croup	Erysipelas	Scarlet Fever	Typhus Fever	Typhoid Fever	Puerperal Fever	Totals



# SANITARY INSPECTOR'S REPORT, 1897.



## SANITARY INSPECTOR'S ANNUAL REPORT,

For the Year 1897.

Bakehouses.
Number under Inspection 48
The Bakehouses have been regularly inspected and limewashed wice during the year.
There are no underground Bakehouses in the Borough. Except in one or two instances they are all well located for light and air.
Dairies, Cow Sheds, and Milk Shops Orders of 1885 and 1886.
Number of persons registered for the sale of milk 46 14
These premises have been regularly inspected, and on the whole found clean.
During the year new Regulations have been made, the Local Government Board insisting upon an increased air space per cow, viz., from 600 cubic feet to 800 cubic feet per cow. Your Chairman, Mr. Councillor M. Cole, has accompanied me during some of my inspections, and interviewed many of the cow keepers, which I think will result in all the cow keepers enlarging their sheds without having to resort to Magisterial proceedings.
Slaughterhouses.
Number of applications for registration
by the Public Health Act Amendment Act.  The Slaughterhouses have been constantly visited. Limewashing and the removal of offal and manure have been regularly attended to.
Common Lodging Houses.
Number under inspection 5  Number of lodgers which can be accommodated 156
During the year the houses have been well conducted and kept clean.

## Factory and Workshops Act.

Workshops under inspection :--

Millinery and Dre	ssmaking	 44	Cycle Makers			3
Tailors		 18	Stone Masons			3
Boot Makers		 19	Embroidery and	Fancy	Work	3
Designers		 12	Saddlers			3
Carpenters and Br	uilders	 11	Clog Makers			2
Hand-Looms		 7	Iron Workers			3
Sugar Boilers		 5	Pump Makers			2
Tinsmiths		 5	Basket Makers			3
Wheelwrights		 5	Shoddy Sheds			1
Upholsterers		 4	Fellmongers			2
Coachbuilders		 3	Cooper		***	1
Marine Stores		 3	Taxidermist			1
Cabinet Makers		 4	Coffin Maker			1
Laundries		 4	Cider Factory			1

## Disinfection.

Disinfection has been carried out as usual in all cases of infectious disease, and the infected houses cleansed.

## Report of the Inspector of Canal Boats.

Number of boats inspected			273
and partial to A ata and D agulations			269
of heats with one or more infringements			4
Nature of infringements—			0
Registration			0
Notification of change of master			2
Absence of certificate		***	0
Certificate not identifying owner with boat			1
Marking	1.11		0
Overcrowding			
Partition separating the sexes			0
Females over 12 improperly occupying			0
Cleanliness			0
Painting			0
Ventilation			0
Dilapidation			1
Removal of bilge water			0
Without pump			0
Refusal of admittance to Inspector			0
No proper water vessel			0
Without requisite double bulkheads			0
Notification of Infectious Disease			0
Total infringements met with			4
remedied			3
Number still corresponding about			1
Number still corresponding about			0
" of legal proceedings taken …			17
" of women with boats inspected …			573
,, of men ,, ,,			15
" of children between 5 and 12			10
" 5 years and under …			10

### Food Inspection.

The following have been condemned and destroyed as unfit for human consumption:—One tuberculous cows liver; one tuberculous carcase of a cow; 2 cwt. of fish (herrings); 2 lbs. mutton;  $11\frac{1}{2}$  lbs. tomatoes; one carcase of a cow.

The carcases of fifty-one dogs deposited in our yard by the Police have been removed to the Sewage works and burnt in the furnaces.

## Privy and Ashpit Cleansing.

Night Work-Privies and Middens cleansed	 		890
Day Work—Day Ashpits cleansed	 		3,702
Day Work—Portable receptacles cleansed	 		54,132
Total	 		58,724
Mile Week and of other and suggests			1,049
Night Work—Loads of ashes and excreta	 		
Day Work-Loads of ashes and refuse	 	***	5,804
Day Work—Loads of business refuse	 		38
Total	 		6,891

## Refuse Disposal.

Loads of refuse carted on to Agricultural land outside the Borough	2,095
Mone touch of resident survey of the contract	109 (
Quantity in tons 2,305:1	6:21

## Magisterial Proceedings.

In only one instance has it been necessary to take proceedings before the Magistrates, viz., in a case of Milk, where 45% of its cream had been abstracted. The defendant was fined 40/- and costs, total £4.

In five other instances the defendants appeared before the Committee and were cautioned.

#### General Remarks.

During the year your Committee have increased the staff of the Ashpit department by one man and one horse.

The health of the horses during the year has been good.

Total amount of cash collected and paid to the Borough Treasurer during the year, £181 12 9.

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 and Members of the Health Committee.

## SANITARY DEFECTS AND NUISANCES

Found and Reported during the Year.

NATURE OF NUIS	ANCES.	TOTALS
Ashpits and Privies out of repair		 81
Water Closets out of repair		 62
Stoppages in Drain Pipes		 97
Drains imperfectly trapped and out	t of repair	 77
Flushing Cisterns out of repair		 80
Overcrowding in dwelling-houses		 7
Wash-house sinks out of repair		 52
Dwelling-houses require whitewash	ing	 103
Premises require lime-washing		 155
Defective rain-water spouting		 10
Defective yard and wash-house pay	ring	 16
Poultry kept as a nuisance		 8
Animals kept as a nuisance		 5
Offensive accumulations		 23
Nuisances from smoke		 3
Dwelling-houses out of repair		 14
Manure receptacles out of repair		 3
Depositing business refuse in ashpi	its	 5
Premises out of repair		 6 5
No Ash receptacles		 9
Workshops require lime-washing		 3
Miscellaneous Nuisances		 24
	TOTAL	 839

Number of Sanitary De	efects and N	uisances fe	ound and repo	orted	000
upon					839
Notices served for their	abatement				520
Notices complied with					496
Leaving on	the Books o	n Decemb	er 31st, 1897		24
Nuisances abated witho	ut the servin	g of Notic	es		31

KIDDERMINSTER HOUSE REFUSE.

Composition of FIVE LOADS, November 1897.

- ( (O) A (O	Cwts	Qrs.	Lbs.
Fine Ash, non combustible	63	3	0
Embers. Breeze	28	1	0
Clinkers and Crockery	6	3	9
Animal and vegetable matter	5	3	25
Old Tins	0	2	7
Paper	1	1	22
Rags	0	3	18
Glass Bottles and Glass	0	1	10
Bones	0	1	7
Old Shoes	0	0	18
Total	110	0	4

## SALE OF FOOD & DRUGS ACTS, 1875 & 1879.

Samples taken during the Year and Results.

No. of Sample.	Article.	Genuine.	Adulterated.	Extent of Adulteration (if any).	Results.
105 to 110	Butter	6		Genuine	THE PART OF THE PA
111	Lard	1	W.	Genuine	
112 to 113	Milk	2		Genuine	
114	Coffee Mixture		1	Contains 37% of Chicory	Not a fraudulent mixture
115	Oatmeal	1		Genuine	
116	Milk	1		Genuine	Logist .
117	Linseed Meal	1		Genuine	148
118 to 120	Milk	3		Genuine	-
121	Linseed Meal	1		Genuine	Bones
122	Milk	1		Genuine	10.300
123 to 124	Butter	2		Genuine	
125 to 129	Milk	5		Genuine	

## SALE OF FOOD & DRUGS ACTS, 1875 & 1879-Continued.

Samples taken during the Year and Results.

No. of Sample.	Article.	Genuine.	Adulterated.	Extent of Adulteration (if any).	Results.
130	Milk		1	45 per cent, of its cream abstracted	Fined £2 & costs total £4.
131 to 146	Milk	16		Genuine	
147	Brandy	1		Genuine	
148	Whiskey	1		Genuine	all and and
149	Whiskey		1	Diluted 2.8 % beyond the Statutory limit, being 27.1° U.P.	Cautioned by Committee.
150	Brandy		1	Diluted 2.8 % beyond the Statutory limit, being 27.1° U.P.	Cautioned by Committee.
151 to 152	Whiskey	2		Genuine	

		Summary	у.		
Milk				29	Samples.
Butter				8	do.
Lard				1	do.
Coffee		2		1	do.
Oatmeal				1	do.
Linseed	Meal			2	do.
Brandy				2	do.
Whiskey	·			4	do.
		Total		48	1
				-	_

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

	1891	1892	1893	1894	1895	1896	1897
Borough Cases, No. of	20	41	160	199	97	53	25
Borough Pauper Cases, No. of Cash received for maintenance	£ s. d. 1 7 10	10 £ s. d. 30 4 3	12 £ s. d. 130 4 0		£ s. d. 93 19 0	8 £ s. d. 86 9 0	3 £ s. d. 43 3 4
Kidderminster Infirmary. Cases admitted Cash received for maintenance		1	8 £ s. d. 21 0 0			1	3
Kidderminster Rural District Council. Cases admitted Cash received for maintenance	1	11 £ s. d. 30 18 7		60 £ s. d. 854 12 6	7 £ s. d. 48 11 8	£ s. d. 278 18 8	
Droitwich Rural District Council. Cases admitted Cash received for maintenance						1	£ s. d. 9 5 8
Stourport Urban District Council. Cases admitted Cash received for maintenance				24 £ s. d. 368 8 0		3 £ s. d. 31 9 8	
Private Foreign Cases. Cases admitted Cash received for maintenance	1 £ s. d. 5 2 10	0-84 	1 £ s. d. 10 10 0			5 £ . d. 36 1 2	£ s. d. 9 14 4
Average No. of Weeks each Patient remained in Hospital	4.4	4.4	6	6.75	7.3	5.65	5.85

## METEOROLOGICAL REPORTS

For the Year ending December 31st, 1897.

## FROM OBSERVATIONS TAKEN AT 9 A.M. DAILY.

## METEOROLOGICAL STATION, PROSPECT HILL.

HEIGHT ABOVE SEA LEVEL, 161 FEET.

Month.	Barom- eter.	Те	mperati	ire.	Humidity	Wind.			
1897	Mean.	Mean. Max.	Mean. Min.	Mean.	Average Humidity	Total Miles	Prevailing direction at 9 a.m.		
January	29.81	39.3	31.4	35.4	89	3226	N., N.W.		
February	29.27	44.4	36.4	39.9	92		S.W.		
March	Instru	ments b	eing ve	rified.			S.W.		
April	29.73	64.9	41.3	52.0	84		S.E., N.E.		
May	29.92	72.4	42.0	55.3	67	4373	N.E., N.W.		
June	29.87	79.1	52.4	63.4	76	3584	N.W., S.W.		
July	29.88	82.6	53.7	66.1	66	3358	N., N.W.		
August	29.66	80.2	53.7	65.2	73	4077	S.W.		
September	29.88	72.6	47.2	58.6	78	3300	N., N.W.		
October	30.08	68.2	43.4	54.8	85	1923	N.E.		
November	30.11	61.6	40.2	50 6	89		E., N.W.		
December	29.79	56.6	35.3	45.9	76	5249	S.W.		

The Highest Temperature occurred on August 2nd, 1897 ... 97.6

The Lowest Temperature occurred on January 25th, 1897 ... 22.0

JOHN T. COWDEROY.

RAINFALL

For the Year ending December 31st, 1897.

Rain Gauge: - Height on Top of Ground, I foot.

Month.		Total Depth.	Greatest Rainfal in 24 Hours.		which 0	Days on l or more fell.		
1897	OHO	Inches.	Depth.	Date.	o.roda	TEM		
January		2.05	0.53	8	MER 1	18		
February		1.80	0.43	5	- 1	.0		
March		2.07	0.35	2	1	7		
April		1.34	0.18	6	1	6		
May		0.85	0.21	29 & 31	1	1		
June		2.46	0.87	8	1	1		
July		0.96	0.26	19		8		
August		3.14	1.09	8	20			
September		1.85	0.72	29	13			
October	311	1.13	0.32	15	1	1		
November		1.33	0.28	7	1	7		
December		1.89	0.31	14	1	7		
		,						
TOTAL		20.87	1.09	Aug. 8	16	39		
Total Rainfal	11. 189	00			9 10000	20.02		
.,, ,,	189					21.84		
,, ,,	189		9			27.43		
" "	189					18:30		
,, ,,	189	4				23.96		
" "	189	5				20.85		
. ,, ,,	189	6				18.08		
,, ,,	189	7				20.87		
Average Rain	Average Rainfall for the past Eight years 21.40							

JOHN T. COWDEROY.

## METEOROLOGICAL REPORT for 1897,

From Observations taken at 9 a.m. daily of EXTREMES, AVERAGES, &c., for each Quarter, ending Nov. 30th, 1897.

	Winter. 1896. Dec. Jan. Feb.	Spring.  Mar. April  May	Summer.  June July Aug.	Autumn. Sept. Oct.
Highest Reading of Barometer	30.53	30.36	30.24	30.65
Lowest " "	28.50	29.00	29.22	29.22,
Highest Temperature in Shade	56.6	81.7	97.6	78 5
Lowest " "	22.0	32.8	42.6	30.7
Highest Humidity (0-100)	100	97	97	99
Lowest ,, (0-100)	48	55	47	63
Wind Velocity in Miles: Highest	277	275	299	285
Ditto ditto Lowest	16	46	32	24
Total Rainfall (0-100=1 inch)	6.47	4.26	6.56	4.31
Rainfall, corresponding period	2.56	3.05	4.48	7.06
Prevailing Direction of Wind 9 a.m.	N., N.W.	N.E., S W.	N.W., S.W.	N., N.W.
Average Maximum Temperature	42.4	69.2	79.5	67.5
" Minimum "	33.6	42.0	53.3	43.6
" Mean "	37.8	53.9	64.9	54.7
" Humidity (၁—100)	89	74	71	84
The Warmest Day occurred on	Dec. 26 48.6	May 18 63.5	Aug. 4 75.5	Oct. 17 64·8
The Coldest Day occurred on	Jan. 19 30·0	May 12 46·1	June 16 47:4	Nov. 23 41.8

The Mean Annual Temperature has been 54.2.

Note.—The Instruments were at Kew Observatory being re-verified from February 15 to April 18.

John T. Cowderoy.

# STREET LIST OF KNOWN CASES OF INFECTIOUS DISEASE.

Streets.		Small Pox	Scarlet	Typhoid	Diphtheria	Membraneous Croup	Erysipelas	Puerperal
Ward No. 1.								10.7
Back Queen Street								
Broad Street			2				2	
Churchfields				:			1	
Clensmore			2	1				
DukeStreet								
Hall Street (Nos. 1 to 1	8)							
Jerusalem Walk								
Lark Hill					1			
Queen Street					1			
Milk Street								
Rackfields								
Stourbridge Road		***						
York Street			3					
			_	-	_	_	_	_
		0	7	1	2	0	3	0
Ward No. 2.			_	-	_		T	- T
Danton Church							1	
Baxter Street		• • • •					1	
Blackwell Street					2		***	
Coventry Street (Nos. 1	to					1		••••
Land Oak								
Coalfield Row					1			
Dudley Street	***			1			1	
Horsefair							1	
Hall Street							2	
Hurcott Street								
Long Acre Pleasant Harbour					2			
Radford Avenue Roden Avenue		***						
	***	***	2		1		1	
Shrubbery Street Silver Street			-		-			
			6					
Stourbridge St. (Nos. 1 to Vine Street								
ville Street								
		-	-		_	_		_
		- 135	30277		7.	10000	Contract of	25000
		0	8	1	6	0	6	0

## STREET LIST-Continued.

	-						
STREETS.	Small Pox.	Scarlet Fever	Typhoid Fever	Diphtheria	Membraneous Croup	Erysipelas	Puerperal Fever
Ward No. 3.							
Coventry Street						1	
Charm Ouchand			***	2			
Chester Road (Nos. 1 to 72)				ĩ	•••		
East Street							
Findon Street				1			
George Street (Nos. 1 to 40)							
Lea Street				1		1	
Leswell Lane							
Lorne Street		1		1	1	3	
Offmore Road		1	1	1		1	
St. George's Terrace					1		
Yew Tree Road							
							_
	0	2	1	7	2	6	0
Wand No.		_	_	_	_	_	_
Ward No. 4.							
4 1 TO 11						0	
Anchor Fields		1				3	
Bromsgrove Street		2	1	1			
Bridge Street		1		1		1	
Chester Road Comberton Hill		1 1		1	***	1	
Cross Street		1				-	
Cambarran Dand	• • • •						
Fair Street							
Earfold				1		2	
George Street (Nos. 42 to 49)						The same of	
Green Street							
High Street			1				
Hoo Road						2	
Lion Street							
New Road		1					
Oxford Road				1			
Prospect Lane							
South Street							
Vicar Street			4				
Worcester Street				1			
	8			1			
	0	0	-	-	-	0	_
	0	6	5	5	0	9	0
			1	1	1		

## STREET LIST-Continued.

Streets.		Small Pox	Scarlet	Typhoid	Diphtheria	Membraneous	Erysipelas	Puerperal Fever
Ward No. 5.					1			
Bewdley Street (Nos. 1 t	0 50)							
Brussells Street					1			
Cemetery Street					1			
Chapel Street								
Cobden Street			1					
Hill Street								
New Wood Street			1				1	
Park Lane (Nos. 20 to 6	3)					***		
Park Street	•••				i			
Peel Street Park Butts	•••		2		-		• • • •	
Plimsoll Street	•••	••••						
Rock Terrace							1	
Woodfield Crescent								
Wood Street	•••		2		1			
Wood Street			_	_	_	_		
		0	6	0	4	0	2	0
Wand No. 6		_	_	_	_	_	_	
Ward No. 6.					,			,
Blakebrook Bewdley Hill	•••				1			1
Bennett Street		•••	•••					
Crane Street			•••	•••				
Franchise Street			1		i		1	
Habberley Street							1	
Hume Street								
The Infirmary			3		***			
Mill Street			2	3	2		1	
Mill Lane			1					
Mason Street							1	
Park Lane (Nos. 1 to 18)					1		1	
Paternoster Row							1	
Proud Cross								***
St. John's Street							2	
Sutton Road								
Talbot Street		***					1	
The Workhouse Woodfield Street		***	2	1	***	***	4	
Woodneid Street			***	***	***	***		
		0	9	4	5	0	13	1
		0	9	4	9	0	10	1
SUMMARY.			_					
Ward No. 1			7	1	2		3	
Ward No. 2			8	1	6		5	
Ward No. 3	***		2	1	7	2	6	
Ward No. 4			6	5	5	***	9	
Ward No. 5 Ward No. 6			6 9	4 4	5		2	1
Ward No. 6			9	4	0		13	1
		-	-		-	_	-	_
		0	38	12	29	2	38	1
	STICKED !				3			



