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TRURAL DISTRICT COUNCIL

-- OF --

BASFORD.

ANNUAL REPORT

- FOR -

≥ 1898. €

BY

GEORGE BURY WRAY, M.R.C.S., D.P.H.,

MEDICAL OFFICER OF HEALTH.

Nottingham:

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Rural Pistrict Council of Basford.

CHAIRMAN - R. G. HANSON, Esq., J.P. VICE-CHAIRMAN - WM. WALKER, Esq.

District and	
Parishes, Councillors,	Parishes. Councillors.
Annesley & Felley - Mr. J. T. BARKER	Greasley Mr. D. T. Green
Awsworth ,, W. Buxton	Kimberley ,, R. G. Hanson
Barton Rev. C. A. Hongson	Lambley ,. T. MARBIOTT
Bestwood Park Mr. J. H. BRADWELL	Lynby ,, J. Machin
Bilborough ,, R. Moore	Newstead ,, J. B. Smith
Bradmore ,, T. WALKER	Nuthall ,, W. B. HANSON
Brinsley ,, W. TAYLOR	Papplewick ,, J. W. Cundy
Bunny ,, T. B. SMEETON	Ruddington ,, R. Gunn
Burton Joyce ,, W. J. Cullen	Selston, E. Briggs
Calverton ,, W. Renwick	Shipley ,, P. WALKER
Clifton - Rev. H. W. WYNNE-FFOULKES	Stoke Bardolph - " A. A. Avis
Codnor Mr. T. FARNSWORTH	Strelley ,, W. Oldershaw
Codnor Park " A. F. WRIGHT	Thrumpton ,, M. SAVIDGE
Colwick ,, G. W. Hooton	Trowell ,, G. Platts
Cossall ,, E PAXTON	Wilford (South) - Rev. J. CLOUGH
Gamston " W. WALKER	Wollaton - Mr. W. P. J. Allsebroom
Gedling ,, H. TAYLOR	Woodborough
Gotham Rev. F. A. Wodehouse	

TO THE CHAIRMAN AND MEMBERS OF THE RURAL DISTRICT COUNCIL OF BASFORD.

Report.

GENTLEMEN,

The following is my Report for 1898.

THE DISTRICT.

THE RURAL DISTRICT OF BASFORD consists of 36 parishes—33 in Nottinghamshire and 3 in Derbyshire. To meet the requirements of the County Councils, I have divided this Report into two parts, the first relates to the Nottinghamshire parishes, and the second to those of Derbyshire.

THE COUNCIL consists of 35 members, the parishes of Annesley and Felley being joined together and having one representative. During the year several changes have taken place in the representation of the parishes; at the election in April, Messrs. Barker, Hooton, Cundy. Avis, and Allsebrook and the Rev. J. Clough were returned without contest, and Messrs. Briggs and Gunn retained their seats as the results of contested elections.

THE SANITARY OFFICERS. Your late Inspector, Mr. Darley, resigned office in April, owing to ill-health, and in August you considered the question of re-adjusting the several appointments hitherto held by Messrs. Darley and Maylan, with the result that you appointed Mr. Maylan as Inspector and Surveyor for the whole District, with Mr. A. Winders, as Assistant Inspector, and also Inspector of Dairies and Cowsheds; and the office of Inspector of Canal Boats you gave to Mr. W. Renwick, of Daybrook, who is also School Attendance Officer. This re-arrangement already promises to be most successful, as under the systematic division of labour now established by Mr. Maylan at the Office, nothing escapes prompt attention, and you are not troubled with continual complaints of nuisances that require abating, etc. All the Officers work most harmoniously together and this, no doubt, materially helps on their work.

The Sanitary Officers attend at the Public Offices, Nottingham Road, Basford, every Friday Morning, from 10 to 12.30, to receive complaints, confer on matters which have arisen in connection with the work, and arrange visits of inspection, &c.

PART I.

THE NOTTS. PORTION OF THE DISTRICT.

The following Table shows the parishes, areas, inhabited houses, and the populations of the Sub-districts, estimated to the middle of 1898:—

Sub-District.	Parishes included.	Acres.	Inhabited Houses.	Population	Estimated
No. Name.			Census 1891.	Census, 1891	Population 1898.
		7000	-		
	Brinsley	915	275	1423	1679
	Kimberley	736	938	4798	5663
1—Greasley	₹ Selston	3318	1067	5267	6027
	Annesley and Felley		263	1418	1380
	Greasley		953	4922	5809
2—Ilkeston	(Cossall	987	180	829	1200
2—Tikeston	Trowell	1621	78	414	409
3—Basford	Wollaton	2097	126	654	613
	(Bilborough	1098	44	210	219
	Strelley	1069	42	204	170
4—Bulwell	Awsworth	367	244	1247	1485
	Nuthall	1348	122	618	735
	Bestwood Park	3729	116	736	766
1					
	(Lynby	1488	57	310	303
	Newstead	3258.	179	1036	1089
5—Arnold	J Papplewick	1986	71	384	427
0—Arnold	Calverton	3424	280	1199	1166
	Woodborough	1945	195	768	681
A PART OF THE PART	[Lambley	2174	176	729	679
The state of	(Burton Joyce	1388	202	877	1068
	Gedling	1918	120	526	541
6-Carlton	₹ Stoke Bardolph	1115	40	188	197
	Colwick	1340	108	480	1000
	[Gamston	448	17	94	91
	an III	2000	-07	00=0	2200
	(Ruddington	2990	537	2370	2200
	Bradmore	1253	63	244	219
	Bunny	2137	63	239	223
7Wilford	Gotham	2563	253	1134	1219
	Thrumpton	1014	37	141	126
No. of the last of	Barton	1564	56	246	225
	Clifton-cum-Glapton	1921	87	391	398
	(Wilford	1521	113	519	520
	Totals	60600	7100	24615	99507
LATER COLUMN	Totals	62629	7102	34615	38527

VITAL STATISTICS.

Tables of Statistics are placed at the end, viz:—A. and B. required by the Local Government Board and the County Councils, and the Tables 1 to 5 recommended by the Society of Medical Officers of Health. These latter refer to the Nottinghamshire portion of the District only. There are also tables giving the Meteorological conditions at different points in and around the District.

Statistics not belonging to the District and quoted for comparison are those for England and Wales (less the 100 Towns) and are derived from the "Quarterly Returns" of the Register-General, which, as they are averaged, are liable to slight discrepancies when compared with those given in his "Annual Report." The difference, however, will not cause serious error, or greatly affect the conclusions to be derived therefrom.

THE POPULATION is estimated on the supposition that the rate of increase or decrease in the different Sub-districts shown by the last census to have obtained during the preceding intercensal period, will continue during the present one; this means of estimation is liable to considerable error in a District so widely differing in character as yours, but is probably the best to adopt, as nothing short of a Local Census would arrive at an accurate estimate.

In the Coal Mining Districts where new houses are rapidly springing up, the increase is most marked, while in the Agricultural districts the population is either at a standstill or shows a decrease, and very few building operations are in progress.

MARRIAGES.—The number of persons married was 648. This corresponds to a Marriage rate of 16.8 per 1000 of population, and is an increase on the 15.4 rate of 1897.

BIRTHS.—1145 births were registered during the year. Of these 580 were males and 565 females. Among the males 31, and among the females 17, were illegitimate.

Their registration was distributed over the four quarters of the year as follows:—

			MA	LES.			F	MA	LES.
		L	egitimate.		Illegitima	te.	Legitimate.		Illegitimate,
1st	quarter		137		5		148		2 '
2nd	,,		125		4		116		7
3rd	,,		143		11		146		3
4th	,,		144		11		138		5
					_				_
	Totals		549		31		548		17

The births during the five years immediately preceding were as follows:—

Year.		Ni	umber of Births.
1897		 	1143
1896	9	 	1382
1895		 	2013
1894		 	1808
1893		 	2009

The Natural increase, i.e., the excess of births over deaths, was 573, and the birth rate 29.7 per 1000. This rate is practically the same as in 1897.

DEATHS.—The corrected number of deaths is 572, and gives a death rate of 14.87 per 1000, *i.e.*, .8 below the rate for 1897; it is 1.9 below the death rate for England and Wales (less the 100 towns) viz., 16.7.

SEASONAL MORTALITY.—The numbers occurring in each quarter of the year and in the 6 preceding years are as follows:—

		1892	1893	1894	1895	1896	1897	1898
1st Q	uarter	 280	 208	 225	 293	 153	 183	 149
2nd	,,	 218	 199	 177	 228	 141	 134	 141
3rd	,,	 199	 228	 118	 186	 160	 141	 143
4th	,,	 257	 201	 184	 206	 196	 145	 139
					-			
		954	836	704	913	650	603	572

The figures for the first and last quarters are low, and due no doubt to the mildness of the weather and the absence of any marked prevalence of Epidemic disease. The intensely hot summer we experienced did not fortunately produce any marked increase in the deaths from "Summer Diarrhea."

The following rates for 1898 are for comparison :-

Death rate	for	England and Wales				17.6
,,	,,	33 Great Towns				19.0
,,	,,	67 other Town Distric	ets			17.2
,,	,,	England and Wales &	ess the	100 To	wns	16.7
,,	,,	London				18.7
,,	,,	Nottingham		e		17.7

AGE MORTALITY.—The numbers during the past 5 years are given below:—

	Deaths der 1 ye:	ar.	Deaths under 5 year	rs.	Deaths 5 to 65 year	rs.	Deaths 65 years and upwards.
1894	 251		338		225		141
1895	 195		418		256		239
1896	 210		279		222		149
1897	 164		230		238		135
1898	 163		214		194		164

These figures show the mortality at the extremes of life. The deaths of infants under one year, although showing a downward tendency, are still far too high; the certified cause of death in many cases is due to improper feeding, ignorance on this subject being prevalent to a lamentable extent among the working classes.

The INFANT DEATH-RATE was 142.35 per 1000 registered births, as compared with 143.48 in 1897; 284 per 1000 total deaths; and 4.2 per 1000 living.

PHTHISIS (Consumption).—This disease caused 38 deaths, i.e., 9 less than in 1897: the death rate was 9 per 1000 living.

CANCER caused 20 deaths in 1898; a decrease of 11 on the figures for 1897: the death-rate was 5 per 1000 living.

DEATHS IN PUBLIC INSTITUTIONS numbered 20, viz.:—Basford Workhouse, 16; County Asylum, 4. I am indebted to Mr. W. Turnbull and Dr. Aplin, for furnishing these particulars.

INQUESTS.—Coroner's Inquests were held in 33 cases (as compared with 32 in 1897).

The age periods were:-

Under 1 yr.	1-5 yrs.	5-15 yrs	15-25 yrs,	25-65 yrs.	65 yrs. upwards
1	3	3	2	22	2

The following were returned as death causes:-

Fall of roof (Colliery)	 		 5
Run over by Train	 		 4
Drowned	 		 5
Burned and Scalded	 		 5
Suicide by Hanging	 		 2
,, Drowning	 		 2
,, Poisoning	 	***	 1
Heart Disease	 		 2
Convulsions	 		 1
Other injuries	 		 6
			33

UNCERTIFIED DEATHS.—12 deaths have been registered as "not certified" during the year, as compared with 27 in 1897. The following is a classification:—

	Uncert	ified Deaths.	
Causes.		Age-periods,	
Convulsions	 4		
Heart Disease	 2	0—1 yrs	. 7
Old age	 2	1—5 ,,	. –
Debility at Birth	 2	5—15 ,,	. –
Diarrhœa	 1	25—65 ,,	. 3
Natural causes	 1	65 upwards	2
	12		12

Table showing the number and distribution of Inquests held, and the uncertified deaths

	The latest designation of the latest designa							I	I	
REGISTRATION	held	in the Dist	INQUESTS strict during	INQUESTS held in the District during the year 1898.	1898.	recorded	as "uncer	DEATHS	DEATHS recorded as "uncertified" during the year 1898	ear 1898,
SUB-DISTRICT.	1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	Total.	1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	Total.
Greasley	4	4	-	7	13	0	01	0	67	4
Ilkeston	0	1	1	0	5	1	0	0	0	1
Basford	0	0	1	0	1	1	0	0	0	1
Bulwell	0	1	-	61	4	0	0	1	1	. 23
Arnold	-	00	-	-	9	0	61	1	0	60
Carlton	0	1	0	0	-	0	0	0	0	0
Wilford	0	80	1	2	9	-	0	0	0	1
Totals	5	13	9	6	33	89	4	61	60	12
Rate per 100 total deaths.	3.3	9.5	4.5	6.4	5.7	2.0	5.8	1-4	2.1	2.1
Percentage England & Wales.	0.9	6.4	6.9	6.4	6.3	2.0	1-9	1.7	1.9	1.9

ZYMOTIC DEATHS.—51 deaths are recorded as occurring from the seven principal Zymotic diseases, viz. :—(1) Small-pox, (2) Scarlet Fever, (3) Diphtheria, (4) Fevers (including Typhus, Enteric or Typhoid, and other continued fevers, (5) Measles, (6) Whooping Cough, and (7) Diarrhea.

The ZYMOTIC DEATH-RATE, derived from the above-mentioned diseases was 1.32 per 1000 living, i.e., .45 below that of the previous year. The Zymotic death-rate for England and Wales (less the 100 Towns) was 1.75 per 1000 living.

Further particulars of Zymotic Mortality are given in the following table:—

Diseases.	Т	otal I	eaths iseases			tie	Annual Average of 10 years, 1888-1897.	Proportion of Deaths to 1000 Deaths in 10 Years	Proportion of Deaths to 1000 Deaths in 1898.
	1893.	1894.	1895.	1896.	1897.	1898.	Av 10	of I 100 in 1	- P- OC 1
Small-Pox	2						.2	.2	0.0
Measles	5	3	20	22	3	3	15.9	19.7	5.2
Scarlet Fever	7	7	6	2	2	8	8.4	10.4	13.9
Diphtheria	8	7	6	6	4	0	4.7	5.9	0.0
Whooping Cough	21	11	15	12	25	4	18.7	23.2	7.0
Typhus Fever									
Typhoid or Enteric Fever	17	6	14	9	16	6	14.7	18.2	10.4
Simple continued Fever	1	1	0	0	0	0	·4	•4	0.0
Diarrhœa	46	9	34	9	18	30	26.9	33.4	52.4
Totals	107	44	95	60	68	51	89.7	111.4	88.9

A.—NOTIFIABLE ZYMOTIC DISEASES.—

The diseases notified in this District are those enumerated in the Infectious Diseases Notification Act (1889), viz., Small-pox, Cholera, Diphtheria, Membranous Croup, Erysipelas, the disease known as Scarlatina, or Scarlet Fever, and the Fevers known by any of the following names:—Typhus, Typhoid, Enteric, Relapsing, Continued or Puerperal. The Act has been in force since January 1st, 1890.

The following Tables show the monthly occurrence of these diseases, and the deaths recorded:—

Cases of Notifiable Diseases occurring in each month of 1898.

Month.	Searlet Fever.	Dipht'ria & Memb Croup.	Enteric Fever.	Erysipe las.	Contin- ued Fever.	Puerpe- ral Fever.	Small- pox	Cholera	Totals.
January -	8	1	1	1					11
February -	7		2	1					10
March -	3	1	3	6					13
April -	6	2	4	4	***				16
May -	3	1	4	2					10
June -	13	1	2	3	***				19
July -	5		3	1		die			9
August -	20			2				***	22
September -	16		4	2	***				22
October -	30	1	10	4					45
November -	12		6	1		1			20
December -	20	1	2	1		1			25
Totals -	143	8	41	28	0	2	0	0	222

Deaths from Notifiable cases in each month of 1898.

Month.	Scarlet Fever.	Diph'tria & Memb Croup.	Enteric Fever.	Erysipe- las.	ral Fever.	Cholera	Totals,
January -	1			*			1
February -	1						1
March -			1				1
April -	1						1
May -			3	1			4
June -			- 1				1
July -				1			1
August -	***			***			
September -		***		144			
October -							
November ·	5		1				6
December -					2		2
Totals -	8	0	6	2	2	0	18

The cost of notification during the year has amounted to £27 15s. 0d.; or an average of about 14s. 4d. per 1000 of the population.

The table below shows the cases notified, and the deaths since adoption of the Act in 1890:—

		Scarlet Fever.	Diphtheria & Mem. Croup	Enteric Fever.	Erysipelas.	Continued Fever.	Peurperal Fever.	Small-pox.	Cholera.	Totals.
Notified Cases in :-		-	or the Real Property lies	-07/200						-
,, ,,	1890	202	17	102	34		5			360
,, ,,	1891	252	12	91	61	1				417
,, ,,	1892	138	14	81	57	1	2	4		297
,, ,,	1893	161	58	210	54	3	5	10		501
,, ,,	1894	184	42	51	45	1	4	1		328
", ",	1895	195	36	122	59		7	1	1	421
,, ,,	1896	127	18	107	39	2	3	1		297
,, ,,	1897	92	9	71	48		3			223
,, ,,	1898	143	8	41	28		2			222
Deaths from Notifi										
able Diseases in	1890	6	1	19	3		1			30
,, ,,	1891	19	3	13	3		2			40
,, ,,	1892	17	5	15	1		2			40
,, ,,	1893	7	9	17	3	1	5	2		44
,, ,,	1894	7	10	6	3		.3			29
,, ,,	1895	6	7	14	4		2		1	34
,, ,,	1896	2	6	9			1			18
,, ,,	1897	2	4	16	1		2			25
,, ,,	1893	8	0	6	2		2		1	18

DISINFECTION.—On receipt of a notification I send a leaflet of "Rules for the Prevention of the spread of Infectious Diseases" and one of "Rules for the admission of patients into the Basford Sanatorium," together with an addressed post-card to the occupier of the house in which the disease has occurred. I also inform the Inspector, and if it be one, which it is desirable should be isolated in Hospital, I visit it immediately myself, with a view to early removal. On the post-card being returned, signed by the Doctor in attendance, the house is visited and disinfected by an Officer of the Council. The usual plan adopted is still to fumigate with Sulphurous Acid, but in certain cases use is made of the Geneste-Herscher sprayer, and Perchloride of Mercury solution (1 in 1000) in addition to the sulphur fumigation. I hope eventually to supplement this means of disinfection by the removal of beds and bedding to the Sanatorium for Steam Disinfection.

During the year, 168 cards were sent out, and of these 113 were returned and the houses disinfected.

SCARLET FEVER.—143 cases were notified (as compared with 92 in 1897) with 8 deaths, giving a case mortality of 5.5 per cent, and a death-rate of .20 per 1000. The death-rate was .09 in England and Wales (less the 100 towns).

The Disease was present in the District during each month of the year, the parishes of Greasley and Brinsley suffering most during the first 6 months, and Selston during the latter half. In Greasley and Brinsley the Epidemic of 1897 continued till well into the Summer months but was of a mild character, one death only in Brinsley being recorded in February. A slight return of the disease in Brinsley during November resulted in a second death in that parish. parish of Selston was not free from the disease during the year; one death occurred in Westwood in January, and the 1897 Epidemic appeared to have expended itself by the Summer, but in August a return took place starting at Top Mexboro,' and spreading thence to Skegness, Bagthorpe, and Dove Green principally, at this time several cases also occurred in Portland Row close to Top Mexboro', and the spread of the disease was most probably due to attendance at the Portland Row Schools. By the end of November, 56 cases (in 40 houses) were notified, and four proved fatal. Two of these were complicated by parturition.

The only other parish in which Scarlet Fever was at all prevalent was Ruddington, but here, advantage was taken by the parents of the offer of isolation in the Sanatorium, and the disease did not make headway.

DIPHTHERIA AND MEMBRANOUS CROUP.—8 cases were notified, but none proved fatal. This compares favourably with 1897, when 9 cases occurred and 4 died.

ENTERIC FEVER.—41 cases were notified with 6 deaths, as compared with 71 cases and 16 deaths in 1897. The cases were scattered over the District and in no parish could the disease be said to be in Epidemic form, Ruddington with 9 cases was the worst, and Greasley and Kimberley were the next with 8 and 7 cases respectively. The death-rate per 1000 was ·15.

ERYSIPELAS.—48 cases were notified and two proved fatal.

PUERPERAL FEVER.—Two cases were notified and both proved fatal. One case occurred at Jacksdale when Scarlet Fever was very prevalent, and the other at Awsworth.

On receipt of a notification of infectious disease, in addition to sending leaflets of instructions, the case is visited with a view to removal to the Sanatorium, the Inspectors are advised of the case, and they remedy the insanitary conditions in and around the dwelling house, a sample of the drinking water is examined, and if necessary, instructions given to safe-guard its source from pollution, and a weekly list of cases handed to the School Attendance Officer on Friday mornings. In this way much work has already been done, and by systematically carrying out this arrangement we hope that good will result in the future.

B.—NON-NOTIFIABLE ZYMOTIC DISEASES.—

MEASLES.—This disease, which was very prevalent in the District in 1897, caused 3 deaths only in the earlier months of the year, and had apparently died out, but in December it re-appeared in Newstead and Annesley, and has recently necessitated School closure.

WHOOPING COUGH which was also wide-spread over the District in 1897, only appeared in Ruddington during the first quarter, and four cases proved fatal. They were all young children, and the disease was complicated with chest affections.

DIARRHŒA caused 30 deaths as compared with 18 in 1897. Five of the deaths were of old people, the rest were all children under two years of age. 21 of the deaths occurred during the hot weather experienced last September. The death-rate was '77 per 1000.

COMPARATIVE TABLE.

Annual Death-rate per 1000 living.										
	Tota: D aths.	P incipal Zymotic Diseases.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Congh.	Fever.	Diarrhœa	Small-Pox	
England & Wales, less 100 towns 1898	16.7	1.75	-31	.09	-18	-25	-17	.75	•••	
Basf'd Rl. Dist. 1898	14.87	1.32	.07	.20		·10	·15	-77		
,, ,, 1897	15.73	1.77	.07	.05	.10	.65	.40	.46		
,, ,, 1896	15.14	1 72	.36	.10	.10	.27	.25	-61		

THE SANATORIUM.—On April 5th you adopted the following resolution of the Chairman of the Hospital Committee, viz.—"That patients be admitted into the Sanatorium from any parish within the Basford Union at the rate of £1 1 0 per head per week, but that not more than ten beds be allowed to be occupied at one time by such outside cases," and agreements were entered into with seven of the Urban Districts within the Union for the admission of their patients on these terms. The subjoined letter and copy of Rules of Admission were sent to all medical men practising in those Urban Districts.

THE RURAL DISTRICT COUNCIL OF BASFORD.

115, WATERLOO CRESCENT,

NOTTINGHAM,

DEAR SIR,

June, 1898.

BASFORD SANATORIUM.

As the Urban District Council of have entered into an agreement with the above Council, by which patients suffering from Scarlet Fever, Enteric Fever, or Diphtheria may be admitted into the Basford Sanatorium. I herewith enclose you copies of the Rules for such admission, as approved by the Hospital Committee

The number of beds placed at my disposal by the Committee is limited to ten, but I will, as far as I can, do my best to help you to isolate the first cases of the above-mentioned diseases occurring in your practice, should you so desire.

Dr. H. J. Neilson, of Bulwell, Medical Officer of the Basford Workhouse, will have the patients under his charge, but it will be open for all Medical men, having patients in the Hospital, to attend them either alone or in consultation with Dr. Neilson and his partner, Dr. Fulton, of Basford.

Patients will be admitted under Section 132 of the Public Health Act, 1875. The Urban District Council of agreeing to pay horse hire for removal, and the weekly charge of one guinea per head.

To facilitate the early removal of cases, I have drawn up a post-card (copy enclosed) which, when properly filled up and posted to me, will enable me to find out by telephone from the Hospital if there be a vacant bed for the disease and sex mentioned on the card. If the patient can be taken in, I will arrange for a nurse and ambulance to go forthwith to remove the case, if not, I will communicate the fact to you by telegram or letter.

A supply of post-cards has been forwarded to the Clerk to the Council, to whom application in each case must be made.

Yours faithfully,

G. B. WRAY,

Medical Superintendent.

BASFORD RURAL DISTRICT COUNCIL.

¾ RULES №

FOR THE ADMISSION OF PATIENTS FROM THE URBAN DISTRICTS OF THE BASFORD UNION INTO THE

BASFORD SANATORIUM.

-Ju

Patients are eligible for admission who are suffering from Scarlet Fever. Diphtheria, or Enteric Fever, and are resident in one of the Urban Districts of the Basford Union.

A guarantee that the Urban District Council undertake the responsibility of payment for each case; a doctor's certificate of the disease from which the patient is suffering; and the consent of the parents or guardians for removal are necessary. All are implied on the Post Cards supplied to the Urban District Councils, and which can be obtained from their Clerks.

No patient will be admitted until one of the Post Cards, properly filled in, has been transmitted to me.

Each patient will be expected to bring a comb and brush, a change of linen, and a supply of handkerchiefs, also an out-door outfit. Further supplies when necessary, can be brought on visiting days.

Two adult visitors (above 16 years) to each patient, will be admitted inside the enclosure for quarter of an hour each, on Wednesdays and Saturdays, from 2 p.m. till 4 p.m.

Special arrangements will be made by me for parents visiting cases of dangerous illness in the wards.

Any food, fruit, flowers, or sweetmeats brought on visiting days will be taken charge of by the Matron, and distributed by her at her discretion.

A Discharge Card, signed by me, will be sent to the parents or guardians of each case, when, in the opinion of the Medical Attendant, it is either safe to remove the case, or, that further residence in Hospital is injurious.

The above Council, through their Officers, do not undertake to discharge each case cured and free from infection, but to do their best to attain that end.

G. B. WRAY.

Medical Officer of Health and Medical Superintendent, Basford Rural District Council.

115, WATERLOO CRESCENT, NOTTINGHAM. It would be as well to emphasize here the feeling of the Council when they adopted the resolution, viz., that the Rural District of Basford has first claim on all the beds, and that the privilege of using the Hospital is only granted to the Urban Districts as a temporary measure to help them in checking epidemics, pending the provision of isolation accommodation of their own.

With the exception of three weeks in January and February, the Sanatorium has been in use for the isolation of patients for the whole of the year. Two cases remained in from 1897, and were discharged on January 15th.

The following cases were admitted for treatment in 1898:-

One case (of Enteric Fever) proved fatal on the 26th day after admission; 29 were dischrged cured; and 17 remained under treatment at the end of the year. The average duration in Hospital was—

```
Of the discharged Scarlet Fever Cases, 62 days.

""", "", Enteric ", ", 64 ",

"", ", Diphtheria ", 51 ",
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GENERAL.

By far the greater part of the surface of the District is occupied by the Trias, or new red sandstone formation, the two divisons of which—the Keuper and the Bunter—form broad bands several miles across. The Permian rocks occupy a narrow area along the western border of the Bunter beds, followed by a patch of coal measures—an easterly extension of the Derbyshire coal-field. There are also the drift deposits and the alluvium of the river valleys.

With the exception of the river valleys which are flat, the configuration of the District is gently undulating, the highest point being

not more than 600 ft. above sea-level; it is watered by many small brooks, more or less polluted by receiving crude sewage from the hamlets near which they flow.

The District is essentially rural in character, the density of the population being less than 1 person per acre. The male population is chiefly employed in the collieries which abound in the north and the west portions of the District; whilst in the south and east, agriculture and framework knitting are the chief occupations followed. The younger members of the community generally find employment at the lace and hosiery factories which are developing in the villages.

WATER.—I went into the question of the water supply of the District in my last Annual Report, and as a consequence a committee was formed "to consider the water supplies of parishes in the District." As instructed by that committee, I wrote to those parishes whose water-supply I considered unwholesome or deficient, asking the question: "Do you want anything done to improve your water-supply?" Up to the present time the almost unanimous answer has been "No." There are, however, at least five parishes where a fresh supply of water is most desirable, but as the supply can best be obtained from the Nottingham Corporation mains, it will be necessary to let the question stand over for a time, till the Corporation have an available surplus supply from their new bore-holes at Burton-Joyce and Boughton. I am advised that should the Corporation's new supply prove sufficient they will be willing to sell water to you in bulk through meter on the boundary of their present limits of supply.

THE SEWERAGE OF THE DISTRICT.—This is practically in the same state as when I reported on it last year. You have, however, recently appointed a deputation to visit various sewage farms in the country, and I will not here anticipate the Report which will be presented to you in due course. I will only state that your Sanitary Officers fully recognise the importance of the subject, and that it is engaging their best attention.

CANAL BOATS ACT.—The Canals (including the river Trent) under the supervision of your Officer are 23 miles long, and have 20 wharves and 32 locks. Heavy goods such as coal, bricks, ironstone, and timber are carried in the boats, but there is no traffic in offensive cargoes. Portions of the Canals were closed for a time for repairs.

During the past year 53 boats have been inspected, and their condition generally has been satisfactory, no cases of Infectious Disease, nor of over-crowding having occurred, and the boatmen have always given every facility for inspection.

Owing to the localized character of the traffic on these Canals, there is very little fresh to report on from year to year. Probably the traffic, if anything, is decreasing.



PART II.

THE DERBYSHIRE PORTION OF THE DISTRICT.

The Derbyshire portion of your District consists of the Parishes of Codnor-cum-Loscoe, Codnor Park, and Shipley.

The following Table shews the Sub-District in which each is placed, with its area and population, recorded and estimated.

Sub-District.	Parishes included.	Acres.	Population, Census 1891,	Population, Estimated to middle of '98.
1. Greasley	Codnor-cum-Loscoe	1931	3848	4045
	Codnor Park	1458	1077	1081
2. Ilkeston	Shipley	2111	689	664
	Totals	5500	5614	5790

Births.—168 births were registered during the year. Their distribution between the parishes was as follows:—

	LE	GITIM	TATE.	ILLI	LEGITIMATE.			
	Male.		Female.	Male.		Female.		
Codnor	 61		68	 1		0		
Codnor Park	 11		11	 0		0		
Shipley	 8		7	 1		0		
Totals	 80		86	2		0		

The natural increase was 77, and the birth-rate 28.9 per 1000 living.

Deaths.—The corrected number of deaths is 91. These include 2 deaths of persons belonging to the parishes who died outside the District, but does not include 12 deaths which occurred within the

District among persons not belonging thereto. This gives a deathrate of 15.7 per 1000. The deaths were distributed among the parishes as follows:—

Codnor		 Male. 33	 Female. 32	 Total. 65
Codnor	Park	 8	 10	 18
Shipley		 5	 3	 8
		46	45	91

The Infant Death-rate was 149.4 per 1000 registered births; 274.7 per 1000 total deaths; and 4.3 per 1000 living.

Deaths in Public Institutions.—These amounted to 14, viz.:—
12 in Ilkeston Hospital and 2 in Basford Workhouse.

Inquests.—Coroner's Inquests were held in 19 cases, including 9 in Ilkeston Hospital, Shipley.

The following were returned as causes of death:-

Burns and Scalds	 5	Gun Accident	. 1
Found drowned	 5	Suicide by hanging	1
Colliery accident	 2	Suffocation	. 1
Natural causes	 3		_
Fall down stairs	 1		19

Uncertified Deaths.—One death was registered as "uncertified" from Codnor. Death was attributed to old age.

Zymotic Diseases.—Ten deaths were registered from the principal Zymotic Diseases during 1898. The following is a distribution of them between the two parishes affected:—

	Scarlet Fever.	Diph- theria.	Enteric Fever.	Puerperal Fever.	Whooping Cough,	Diarrhœa,	Measles.
Codnor	1	0	0	1	0	4	1
Codnor Park	0	0	0	0	0	2	1
Totals	1	0	0	1	0	6	2

The Zymotic Death-rate derived from the above-mentioned diseases was 1.72 per 1000, which is slightly above the 1.56 for 1897.

Notifiable Zymotic Diseases.—The diseases notified in the District are those enumerated in the Infectious Diseases Notification Act, 1889, which has been in force since January 1st, 1890.

The following Table gives the monthly occurrence of these diseases:—

Cases of Notifiable Diseases occurring in each month of 1898.

Month.		Scarlet Fever.	Dipht'ria & Memb Croup	Enteric Fever.	Erysipe- las.	Con- tinued Fever.	Puerpe- ral Fever.	Small- pox.	Cholera.	Totals,
January	-	7								7
February	-	13	1							14
March	-	14			1					15
April	-	4								4
May	-	3			2					5
June	-	2			1			***		3
July	-									0
August	-	3			1					4
September	-	2								2
October	-						1			1
November	-	3								3
December	-	1	1		1					3
Totals	-	52	2	0	6	0	1	0	0	61

The following Table gives the cases notified, and the deaths during the last three years:—

		Scarlet Fever.	Diphtheria	Enteric Fever.	Erysipelas.	Continued Fever.	Puerperal Fever.	Small-pox.	Cholera.	Totals.
Notified Cases in	1896	7	10	4	12	1	1			35
,, .,	1897	75	3	3	16					97
,	1898	52	2		6		1			61
Deaths from Notifi	-									
able Diseases in	1896		4	1			1			6
,, ,,	1897	2			1					3
,, ,,	1898	1					1			2

The cost of notification during the year has amounted to £7 12s. 6d., or an average of about £1 6s. 3d. per 1000 of the population.

Disinfection is carried out on the same lines as in the Notting-ham portion of the District; 48 cards were sent out, and 16 houses disinfected.

Scarlet Fever.—52 cases were notified, and one proved fatal at Codnor. The disease continued from the previous year in Codnor, and three cases were isolated in the Sanatorium. During the last quarter the disease appeared in Codnor Park, eight cases being notified; of these, three were removed to the Sanatorium.

Diphtheria.—Two cases were notified and both recovered.

Enteric Fever.—No case of this disease was notified during the year.

Erysipelas.—Six cases were notified and all recovered.

Puerperal Fever.—One case was notified and ended fatally.

Non-Notifiable Zymotic Diseases:-

Measles.—Only two deaths from this disease occurred; one at Codnor and one at Codnor Park.

Whooping Cough.—This complaint was absent from the District during the year.

Diarrhæa.—Six deaths from this disease were registered—four in Codnor, one in Codnor Park, and one in Basford Workhouse, the latter was 74 years old, and belonged to Codnor Park; the other five were infants under one year of age.

The Water Supply and Sewerage of the District.—The removal of the township of Codnor cum-Loscoe to the Urban District of Heanor, which comes into effect early this year, relieves you of the responsibility of providing a wholesome supply of water for that parish, and also of considering its sewering and sewage disposal. With the exception of the sewage disposal of Codnor Park, these questions are in a fairly satisfactory state in the parishes of Shipley and Codnor Park.

I have the honour to be, Gentlemen,

Your obedient Servant,

G. B. WRAY

115, WATERLOO CRESCENT,
NOTTINGHAM,
March, 1898.



TABLE OF DEATHS during the Year 1898, in the Notts. portion of the Basford Rural District, classified according to Diseases, Ages, and Localities.

		daror g	130	11	00 00	23	19	19	13.25	214 358	10	::
		PS Diseases	18	61 00	00 00	116	111 26	96	33	135	-=	1 ::
AGE.		sohnini 5	03.00	- :	11	:00	: 10	11	:01	15.33	11	11
YEARS OF		Heart Disease	1 24	:00	1.1	:00	: **	:0	50	1 59	:00	11
	'ur	and Pler	23	10 01	1::	4.00	12	:01	61.00	54	:01	11
R FIVE	=	Bronchi.	18:	11	11	11	:1-	:00	: 00	36:	:04	::
UNDER	=	E Fever	::	::	::	::	::	11	11	1 ::	11	11
CHILDREN		T Dysenter	17	eo :	11	00 01	eo :	::	:-	26	1:	11
OF CE	-	Gongh.	::	11	1 1	11	1:	::	* :	+:	11	11
DEATHS	-	Manages St. Mensles	01 :	1:	11	11	-:	::	/ ! !	0 :	11	111
	_	Z Erysipela	11	:-	11	1:	11	::	:-	1 101	111	
SHIN	-	2 Сројега	11	11	11	11	::	: :	: :	111	::	::
DISTINGUISHING		photosical property.	:01	::	11.	100	::	::	::	:00	::	11
		∞ Kelapsing	::	::	::	11	::	::	31.1	1 ::	::	11
CAUSES,	Fevers.	panujuno)	::	: :	11	11	::	::	11	1 ::	::	::
_	Fe	Enteric or		::	::	:01	:01	::	11	- 10	11	::
SUBJOINED		*snqd&L *	::	.:	11	11	::	11	::	1 11	11	11
PROM 8	sno	* Membrane	::	11	::	::	1:	1 3	: •	1 ::	11	11
1000		o Diphther	11	: 1	::	11	::	::	ř:	1 11	::	11
ORTALITY	-10	na Scarlatim	00 4		1 :	11		11	11	1 00 10	11	11
Mo		- Smallpox	1 1	1:	. :	1:	11	111	: :	1 1 1	::	
	-	Aged under 5 or over 5.	Under 5	(Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	(Under 5	Under 5	Under 5
-		eg sud eg sud	64	4	4	10	29	10	43	164	Ξ	1
189	101	59 pun pur 9Z	99	00	c)	16	50	6	2.4	145	1-	. :
CAUS	301	52 55	18	1	0.1	-	+	1	00	1 64	-	:
ALL		gı gı	12	Ç.		-	7		00	1 67	:	1
FROM		l and unde	31	4	-	60	10	-	9	51	1	1
MORTALITY PROM AGE CAUSES, AT SUBJOUND AGES.		Under 1 yea	66	1-	01	50	77	10	16	163	-	:
ORTA		Torat.	290	25	=	20	76	25	95	572	20	:
12		GL,		12	1-	58	35	27	65	1 85	- 00	
	1	ZAt all Ages	145 145	13	4	55	7	13	52	290 282 572	12	
	Locari-	Public Peng being		-1		:	:	:	:	1 :	occurring le the dis- mong per- belonging	curring he dis- ng per- belong-
	NAMES OF LOCALI-	purpose of these Statistics; Public Sustitutions being Subown as separate localities.	Greasley	Ilkeston	Basford	Bulwell	Arnold	Ca*]+ 'n	Wilford	CORRECTED	Deaths occurring outside the district among persons belonging thereto.	Deaths occurring within the district among persons not belonging thereto.

Table of Population, Births, and of new cases of Infectious Sickness, coming to the knowledge of the Medical Officer of Health, TOTALS. : 03 : : : : : 0 :-:-:= :07 Diseases, Ages, and Localities. NUMBER OF SUCH CASES RE-MOVED TO ISOLATION HOSPITAL Fever. Typhoid. : 23 : 9 1 1 : : : : 9 6 Enteric Croup. : : : : : . : : Membranous : : : : 1 : : : :-: : 1 : :co Diphtheria :00 : 10 : : : --:01 es Scarlatina. 40 : 9 : : 10 12 53 6 48 TOTALS. of the Basford Rural District, classified according to : : : : : : : : : : : : 1 : : 2 :01 0.0 E Erysipelas. 3 : : : : : : : 4 : : 22 33 KNOWLEDGE : : : : : : : : : : : : : € Cholera. :03 :-: : 1 1 :-1 : : : : : Puerperal SICKNESS IN EACH LOCALITY COMING TO THE MEDICAL OFFICER OF HEALTH. : : 1 : 1 1 : : : : 1 1 : : : : ZuisquioH & ontinued P : : 1 1 : : : : . : : : : : 1 1 Entericor Typhoid. 139 : : : : :9 : : : 3 43 : : : : : : 1 1 : : : : snud&L .c : : Croup. : : : : : : : : : : : : Метривноия :-: : : -: : := : : -1a Diphtheria : 10 - 00 36 : : : : :-90 43 anilalina Scarlatina OF nontrod : : : : xodilisms -. CASES Under 5 (Under 5 (Under 5 Under 5 (Under 5 Under 5 Under 5 (Under 5 Aged under 5 over 5. NEW or in the Notts. 101 126 677 49 138 565 1145 Tota Registered Births. 335 9 65 09 58 20 21 E 342 580 7 41 68 29 73 23 during the Year 1898, M 20558 1609 613 3375 4345 2897 5130 38527 Estimated to middle of 1898. POPULATION AT Census 1891. 17828 1243 3015 4426 2165 34615 5284 654 purpose of these Statistics, Public Institutions being shown as separate NAMES OF LOCALIT TIES adopted for the TOTALS Greasley Ilkeston Basford Bulwell Arnold Carlton Wilford localities. <u>@</u>

TABLE I.

NOTTS. PORTION.

Showing the Population, Inhabited Houses, Marriages, Births, and Deaths, for the year 1898, and 9 preceding years.

	Estimated	No. of		Registered	Correct	ed No. of	Deaths	Deaths in
The Year.	Population.	Inhabited Houses.	Marriages	Births	Total at all Ages	Under 1 year.	Under 5 years.	Public Institu'ns
1898	38527	8030	648	1145	572	163	214	20
1897	38330	7864	592	1143	603	164	230	15
1896	42920	8864	540	1382	650	210	279	24
1895	54934	10937	624	2013	913	295	418	34
1894	53872	10725	640	1808	704	251	338	26
1893	53011	10553	636	2009	836	300	396	24
1892	52165	10384	681	1914	954	326	485	35
1891	53627	10755	671	1988	869	285	366	32
1890	52000	9828	751	1846	935	311	123	25
1889	52000	9828	592	1821	815	258	110	90

TABLE II. NOTTS. PORTION.

Showing the Annual Birth and Death Rates, Death Rates of Children, and Proportion of Deaths in Public Institutions in a Thousand Deaths, for the year 1898, and preceding years.

In Year.	Birth rate per 1000 of Population.	Corrected death Rate per 1000 of Fopulation.	Deaths of Children under I year per 1000 Registered Births.	Deaths of Children under I year per 1000 of Total Deaths.	Deaths of Children Deaths of Children under 1 year per under 1 year per 1000 Registered 1000 of Total Deaths.	Deaths in Public Institutions per 1009 of Total Deaths.
1898	29.74	14.87	142.35	284.96	374-12	34.96
1897	29.83	15.73	143.48	271-00	381-42	24.87
1896	32.20	15-14	151-95	323.00	429-23	36-92
1895	19.98	16.62	146.54	323-11	457-83	87-28
1894	33.56	13.06	138.82	356-53	480-11	86-98
1893	87-90	15-77	149.32	358-85	473.68	20.06
1892	36.69	18-28	170.03	341-71	508-38	36-68
1891	37.50	16.39	143.36	327-96	421-17	36.80
1890	35 50	17-90	168-47	332-62	464-17	26.70
1889	35.00	15.68	142.22	316.56	451.53	110.42
Average of 10 years.	34-45	15-94	149.65	323.63	444.16	40.15

TABLE No. III.

BASFORD RURAL DISTRICT. NOTTS. PORTION.

						Δ	GE	s.				
	0	1	5	15	25	35	45	55	65			J.
	tò	to	to 15	to 25	to 35	to 45	to 55	to 65	to 75		& up- wards	TOTAL.
				20	-00				10		warus	1
I. SPECIFIC FEBRILE, OR ZYMOTIC	00	10			0	,	0				,	0.
DISEASES	26	12	5	4	2	1	2	2	2	1	1	85
III. DIETIC DISEASES			***			1				***		1
IV. CONSTITUTIONAL DISEASES	7	13	6	12	14	4	11	6	8	5	2	88
V. DEVELOPMENTAL DISEASES	19	1							5	19	12	56
VI LOCAL DISEASES	73	23	9	8	16	15	18	31	52	46	7	298
VII. DEATHS FROM VIOLENCE	3	2	2	2	4	2	8	4	3		i	31
VIII. DEATHS FROM ILL-DEFINED AND						-			-	***		01
Not Specified Causes	32			1		1	2	1				37
TOTALS	163	51	22	27	36	24	41	44	70	71	23	572
						-			-			
1.—SPECIFIC FEBRILE, OR ZYMOTIC DISEASES.												
1.—Miasmatic Diseases.			-		-		1		,			
Smallpox, Vaccinated, Unvaccinated												
Measles	2	1										3
Scarlet Fever		3	3	1	1							8
Typhus												
Whooping Cough	1	3										4
Diphtheria and Membranous Croup												
Ill-defined Fever									3			
Enteric or Typhoid Fever		1	2	1		1	1					6
2-—Diarrheal Diseases.												
Simple Cholera		-									4	
Diarrhœa, Dysentery	22	4						2	1	1		30
	1								= 1			1
3.—Malarial Diseases						**						
4.—Zoogenous Diseases.												
		***			***	**	***	**	***	**		***
5.—VENEREAL DISEASES	1338											
Syphilis	1		1									1
Gonorrhœs, Stricture of Urethra	***								***		***	***
6.—Septic Diseases.												
Erysipelas							1				1	0
Pyæmia, Septicæmia	***		***				1		"		1	2 1
Puerporel Fever			***		1				1		***	3
		***	***	2	1	***	***			***	***	0
					-	-			_			

					117-1-	1	AGE	S.				
	0 to	1 to	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65		75 to 85	85 & upwds	FOTALS.
II,—PARASITIC DISEASES. Thrush, and other Vegetable Parasitic												1
Diseases Worms, Hydatids, and other Animal	3						100					3
Parasitic Diseases		**	***	***	***		***					***
Want of Breast Milk, Starvation Scurvy												
Chronic Alcoholism						1						ï
IVCONSTITUTIONAL DISEASES.												
Rheumatic Fever, Rheumatism of the Heart										···	2	
Gout		1										
Cancer, Malignant Disease	5	7			1	1	5	5	5	3		20 12
Tubercular Meningitis, Hydrocephalus Phthisis	1	2	3	12	12	2	5	ï	1	1		37
Other forms of Tuberculosis, Scrofula Purpura, Hæmorrhagic Diathesis Anæmia, Chlorosis, Leucocythæmia	1					1						5
Glycosuria, Diabetes Mellitus Other Constitutional Diseases							1		1			2
VDEVELOPMENTAL DISEASES.	10											
Premature Birth	19	1										19
Old Age									5	19	12	36
VILOCAL DISEASES. 1DISEASES OF NERVOUS SYSTEM. Inflammation of Brain or Membranes Apoplexy, Softening of Brain, Hemi-		3	3						1			7
plegia, Brain Paralysis					 1		1	5	14	7		28 2
Epilepsy	20		1	1					1			4 20
Glottis)	1								***			1
Paralysis Agitans Other Diseases of Nervous System									1	1		1
2.—Diseases of Organs of Special Sense. (e.g., of Ear, Eye, Nose)			12	1	***		1					2
	1											

						Д	GE	S.				
	0 to 1	1 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75		85 & up- wards.	TOTAL.
3.—Diseases of Circulatory System.	-	-		-	7		-					-
Pericarditis			***	***						***		***
Valvular Diseases of Heart	···	1	1	1		2	3	3	4	4		19
Other Diseases of Heart			1		2		3	11	9	13	1	40
Embolism, Thrombosis					1							1
Other Diseases of Blood Vessels												
4.—Diseases of Respiratory System.												
Laryngitis												
Croup Emphysema, Asthma				***	**		1	***		1		···
Bronchitis	14	5			2		5	3	9	15	3	56
Pleurisy	9	10	2	1	2	3		4	4		2	37
Other Diseases of Respiratory System							***	***				
5.—Diseases of Digestive System.												1000
Dentition	9	2										11
Sore Throat, Quinsy			20									
Diseases of Stomach Enteritis.	16	2	1	1	1	2	***		1			10 18
Obstructive Diseases of Intestine			***				ï			3		4
Peritonitis	***			1	1					1		3
Cirrhosis of Liver		***				1	i	1	2			5
Jaundice and other Diseases of Liver												
Other Diseases of Digestive System							1			***	***	1
6.—Diseases of Lymphatic System. (e.g., of Lymphatics and of Spleen)												
7.—Diseases of Gland-like Organs												
OF UNCERTAIN USE.												
(e.g., Bronchocele, Addison's Disease)					1	1						2
8.—Diseases of Urinary System.												
Nephritis		***			1			1				2
Bright's Disease, Albuminuria Disease of Bladder or of Prostate			***	***		1	1	2	2 3	2	ï	6 7
Other Diseases of the Urinary System			300						:			
9.—Diseases of Reproductive System.												
A. Of Organs of Generation.												
Male Organs				****								
B. Of Parturition.					1							
Abortion, Miscarriage									1			
Puerperal Convulsions				1		1						2
Placenta prævia, Flooding Other Accidents of Child Birth				1	3							4
The state of the s	***		***				***	***	***	***	***	1

	T					-	AGE	ES.				
10.—Diseases of Bones and Joints.	0 to	to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 85	85 & up- wards	TOTAL.
Caries, Necrosis					1	1			***			2
Arthritis, Ostitis, Periostitis									***			
Other Diseases of Bones and Joints												
11.—DISEASES OF INTEGUMENTARY SYSTEM. Carbuncle, Phlegmon										1		1
Other Diseases of Integumentary System											***	
VII.—DEATHS FROM VIOLENCE. 1.—Accident or Negligence. Fractures and Contusions. Gunshot Wounds. Cut, Stab Burn, Scald Poison.		2							1 2		1	2 4
Drowning			1	1	1		2					5
Suffocation	3											3
Otherwise			1	1	2		5	3				12
2.—Homicide. Manslaughter Murder 3.—Suicide. Gunshot Wounds												
Cut, Stab												
Poison						1						1
Drowning						1		1			***	2
HangingOtherwise					1		1			***		
Otherwise												
VIIIDEATHS FROM ILL-DEFINED AND NOT SPECIFIED CAUSES. Dropsy							1					1
Debility, Atrophy, Inanition	31											31
Mortification												
Tumour						***					***	
Abscess	1		***	***		1		***	***	***	110	1
Hæmorrhage		***		***	***	1	***			***	***	1
Causes not Specified or Ill-defined				1		***	1	1				3
Orders not openied of In-defined	10000			-	***	***	-	-	145	***		-

SUMMARY OF TABLE III.

eatl										331				8				
No. of Deaths		479		:	67	15	:	:	9	2	:		26	:	5	:	37	572
		:		:	nse use	:	:	:	:	:	:		:	:	:	:	ses	•
		:		:	rtain	:	:	ation	:	:	:		:	:	:	:	can	:
					nnce		m.	ener			stem.						ified	
		:	ned.	stem	usof	m,	Syste	of G	ion	nts	y Sys		:	:	:	:	peci	
		pard	ontin	ic Sy	Orge	Syste	tive	gans	turit	1 Joi	ntar		96	:	:	:	iot s	AL.
		foru	S-c	phat	I-like	ary	roduc	f Or	f Pan	s and	gume		ligen				nd r	TOTAL
		Brought forward	VILocal Diseases-continued.	Diseases of Lymphatic System	Diseases of Gland-like Organs of uncertain use	Diseases of Urinary System,	Diseases of Reproductive System	(a). Diseases of Organs of Generation	(b). Diseases of Parturition	Diseases of Bones and Joints	Diseases of Integumentary System		1. Accident or Negligence	:	:	:	VIII.—Ill-defined and not specified causes	
		Bre	Dis	jo se	jo se	Jo se	Jo se	Disea	Disea	Jo se	Jo se	nce.	nt or	de		ion	efin	
			ocal	iseasi	iseasi	iseas	iseasi	(0)	(9).	sease	iseas	VII.—Violence.	ceide	Homicide	Suicide	Execution	p-III	
			Ĭ	6. D	7. D	8. D	9. D			10. Di	11. D	7	1. A	2 H	3. St	4 E	H	
			VI							1	1	VII					VII	
Zo. of Deaths		21	30	:	:	-	9	တ	-	88	99		64	7	61	94	52	479
	70	:	:	:	:	:	:	:	:	:	:	-	:	:	:	:	:	:
	ses																	
	622																	
	Disea	:	:	:	:	:	:	:	::	:	::		:	ense		:	:	:
	notic Disea	:		:		:	:		:				m	ecial Sense				:
	Zymotic Disea	: : :		: : :			: : :	::					System	f Special Sense				:
	e, or Zymotic Disea	898		:		: : :	:	ses	:			S.	ous System	uns of Special Sense				:
	orile, or Zymotic Disea	iseases		: : :	: : :			oliseases	:			eases.	Nervous System	Organs of Special Sense				:
	Febrile, or Zymotic Disea	ttic Diseases	" laa	"	"		: : : :	ic Diseases	:			Diseases.	s of Nervous System	s of Organs of Special Sense				Carried forward
	cific Febrile, or Zymotic Disea	asmatic Diseases	arrhœal ,,	"	"		:: "	rasitic Diseases	:			ocal Diseases.	seases of Nervous System	seases of Organs of Special Sense				:
	ISpecific Febrile, or Zymotic Diseases.	1. Miasmatic Diseases	2. Diarrhoad ,,	3. Malarial ,,	4. Zoogenous ,,		6. Septic ,,	II.—Parasitic Diseases	III.—Dietic Diseases	IV.—Constitutional Diseases	V.—Developmental Diseases	VI.—Local Diseases.	1. Diseases of Nervous System	2. Diseases of Organs of Special Sense	3. Diseases of Circulatory System	4. Diseases of Respiratory System	5. Diseases of Digestive System	:

TABLE IV.

NOTTS. PORTION.

Showing the number of Deaths at all ages in 1898 from certain groups of Diseases, and proportion to 1000 of Population and to 1000 Deaths from all causes; also the number of Deaths of Infants under one year of age from other groups of Diseases; and proportion to 1000 Births and 1000 Deaths from all causes under one year.

Division 1. All Ages.	Total Deaths.	Deaths per 1000 of population at all ages.	Deaths per 1000 of Total Deaths at all ages.
1. Principal Zymotic) Diseases }	51	1.32	89-16
2. Pulmonary Dis- eases, other than Phthisis	94	2.44	164.33
3. Principal Tuber-) cular Diseases}	54	1.40	94.40
Division 2. Infants under 1 year.	Total Deaths.	Deaths per 1000 of Births.	Deaths per 1000 of Total Deaths under one year.
4. Wasting Diseases	50	43.56	306.74
5. Convulsive Diseases	31	27.07	190.18

- Note.—1. Includes Small Pox, Scarlet Fever, Diphtheria, Typhus, Enteric and Simple Continued Fevers, Whooping Cough, Measles, and Diarrhoea.
 - 2. All Respiratory Diseases except Phthisis.
 - 3. Phthisis, Scrofula, Tuberculosis, and Tabes Mesenterica.
 - 4. Marasmus, Atrophy, Wasting, Debility, Inanition, Premature Birth, and Improper Feeding.
 - 5. Hydrocephalus, Infantile Meningitis, Convulsions, and Dentition.

TABLE V.

NOTTS. PORTION.

Showing the number of Deaths from the principal Zymotic Diseases in the 10 years 1888 to 1897, and in the year 1898.

								-1			
Proportion of deaths to 1000 deaths in 1898.	7	0.0	5.5	13.9	0.0	0.2	0.0	10.4	0.0	52.4	88-9
Total deaths in 1898.		0	00	00	0	4	0	9	0	30	51
Proportion of deaths to 1000 deaths in 10 years, 1888-1897.		çı	19-7	10.4	6-9	23-2	0.0	18-2	*	33.4	HI14
Annual average of 10 years.		çı	15-9	8.4	4.1	18.7	0.0	14.7	7.	26-9	89.7
1 888.		0	8	00	9	20	0	12	0	40	94
1889.		0	67	10	1	21	0	26	0	42	102
1890.		0	51	9	1	14	0	19	63	29	122
1891.		0	9	19	00	13	0	13	0	15	69
1892.		0	39	17	9	35	0	15	0	27	138
1893. 1892.		01	9	1	00	21	0	1.1	1	46	107
1894.		0	00	1	1	111	0	9	-	6	44
1897. 1896. 1895. 1894.		0	20	9	9	15	0	14	0	34	95
1896.		0	22	67	9	12	0	6	0	6	09
1897.		0	00	63	4	25	0	16	0	18	89
Disease.		Small Pox	Measles	Scarlet Fever	Diphtheria	Whooping Cough.	Typhus	Enteric	Simple Contd	Diarrhœa	Totals

THE SUB-DISTRICTS.

NOTTS. PORTION.

The following table of estimated populations, with birth rates and death rates, both general and particular, for the several divisions of the district during the past 5 years, will be found useful for purposes of comparison. I may point out that the infant rates represent the annual number of deaths of infants under one year, 1stly, to every 1000 deaths, and 2ndly, to every 1000 births, and that all the other rates represent annual amounts per 1000 of population estimated to be living at the mid-year.

1		13	1-		0	0	00	-41	l»	=
		1 18	1.	7	0.0	6.	1.3	7	1.	
	ic ate.	1896	2.0	2.7	1.5	1.2	1.3	0.0	1.5	
	Zymotic Death Rate.	1896	1.9	1.0	0.0	0.3	1:1	1.0	6-0	
	De	1897	1.8	1.2	0.0	1.2	3.9	1.5	6.0	
		1898	1.4	1.8	0.0	2.0	1.6	0.0	6.0	
		894	40.9	21.5	42.8	171-1	153.2	0-0 6-06	94.8 0.9	
	oó .	95.	17.3	60.6 121.2 1.8 1.2 0.4	62.5 142.8 0.0	11.5	59.2	33.3	30-1	
	Per 1000 Births	6. 18	8.8			3.8	1.8	8.8	3-1	-
	r 1000	. 189	3 148	8 243	0 166	8 22(8 144	88	30108	_
.6.	Pc	1 1897	149	181	100	142	142	84	132	
th Rat		1898. 1897. 1896. 1895. 1894. 1808 1897 1896 1895 1894	146-2	159.0	200.0	198.0	1111	102.0	116.0	
Infant Death Rate			8.16	280.0 320.0 404.5 129.0 258.0 159.0 181.8 245.9	181-8 125-0 100-0 125-0 500-0 200-0 100-0 166-6	400-0 319-1 468-0 440-0 351-8 198-0 142-8 226-8 211-5 171-1 2-0 1-2	13.4	0.09	168-4 216-8 210-5 200-0 200-0 116-0 132-3 108-1 130-1	
Infan	18.	1 .98	33-9 3	63.0	29.0 2	FO.03	01.5	6.9	0.00	
	Deatl	1.18	0.0	.5 12	0.0	0.9	.9	-25	0.0	-
	Per 1000 Deaths.	1+98	3 346	0 401	0 100	1 468	4 301	0 121	8 210	
	Pe	1897.	318	320.	125	319.	189	117.	216	
		1898	841-8	280.0	181.8	100-0	184.2	200-0	168-4	
		1594	13.0	14.4	3.1	17.0	15.3	10.3 200.0 117.0 121.2 206.9 160.0 102.0 84.7 88.8 133.3	10.5	
		- 1895, 1894 1897, 1895, 11895, 11884.	16-2 13-0 341-3 318-3 346-5 363-9 397-8 146-2 149-3 148-8 147-3 140-9 1-4 1-8 1-9	13.9	12.7	15.6	19:1 15:3 184:2 189:4 304:3 301:2 313:4 111:1 142:8 144:8 159:2 153:2 1.6 3:9	9-11	18.3	
	Rate.	1 - 96				_	_		-	1
	Death Rate.	11898	15.0 15.2	9-91	0-91	14.4	3 13.5	13-2	14-7	
	Q	1.897.		15.5	12.9	14.2	21.8	13.2	16.0	
		1898.	14.1	15.5	17.9	14.8	17.4	9.8	18.3	
		1894.	35.5 40.11 36.90 14.1	29.68 30.69 15.5	0.11	35.1	31.4	18.2	22-2	
		1.895.	111	89.	25.39 11.0	32.4	36.1	18.0	28.1	-
	Rate.	6. 1	.5 40	27.5 29	9.6 25					
	Birth Rate.	188	35			8 29-7	9 33-2	0.81	3 28.6	
27.5		1858. 1897. 1896.	81.9	27.4	16.1	31.8	28.9	22.9	26.3	
		1888.	32.9	27.8	16.8	59.9	29.0	8.91	26.9	
bed tion.	Estima Popula		20558	1609	613	3275	4345	2897	5130	
.stoira.	ısid-dı	S	Greasley 20558	Ilkeston	Basford	Bulwell	Arnold	Carlton	Wilford	

CTOR RASE, AVED OUND	fled by H. and M.O.H. her re- her re- giral or sent to oved to n disin- neil. re food pointed, spected Council d.	Total Number of Inspections made.	:
PRECAUTIONS TAKEN BY INSPECTOR AGAINST INFECTIOUS DISEASE, THE SALE OF ADULTRRATED FOOD AND DRUGS AND UNSOUND MEAT, AND UNDER THE CANAL BOATS ACT.	noti M.O.M.O. d by a chy d by a chy tiee Con con application application dy in the Boar	Number of Inspec- Lions. Number of Notices Number of Notices Served for Infringe- ments of bye Inws.	:
RECTO OF RUGS UNDE	lisea danta de la control de l	Xumber of Inspec-	1
ONS TAB SALE AND DI AND SACE.	Attention of the control of the cont	Number on Register.	:
CAUTIONS TA AGAINST IN THE SALE FOOD AND I MEAT, AND BOATS ACT.	Il infectious diseases Medical Attendant to visited by Inspector an when necessary; case moved to Isolation isolated at home. No M.O.H. when better or Hospital, and premises fected by Official of the o action has been nece and drugs. Canal Poat Inspector and drugs. Canal Boat regula and reported upon to and Local Government	Xumber of Notices \$ 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	:
Park	M M M M M M M M M M M M M M M M M M M	Cooper of Inspections. Lions. Lions. Sanda Anthon of Notices Sanda Sa	1
	8 4 X	Number on Register.	
Totals.	67 67	served for Infringe-	
'session of Houses.			
Overerowding.		Vumber of Inspec-	-
Smoke nuisance.		Number on Register.	:
Aniumls improperly kept. Pigsties.	91 : 91	Number of Notices 5 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	1
Offensive accumulations.	∞ : ∞	-sonoid lorspector is a sonoid sonoid sonoid sonoid sonoid soroed soroed for Indivinged sorved	
Water Supply.		Number on Register.	:
spouts. Urinals defective.		served for Infringe-	
Enves-spouts and Down-		tions.	:
		Number on Register. Number of Inspections. Lions. Number of Notices Served for Intringe-	:
mversion of Privies into W.C's. Defective Water Closets.		Number of Notices \$ 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	:
accommodation.	1 1 1	Number on Kegister. Number of Inspections. Number of Notices Number of Notices Served for Infringe-	
Sand Ashpits.		Number on Register.	
solvird Vratinasm	1- 4 6		-
Drains obstructed.	in : in		:
Defective Traps, in the state of the state o	1 1 1	Inspections of Work in Progress.	20
7744 7744	4 : 4	Number Disinfected.	16
10 disconnection of	8 . : : :	Legal Notices to Close Houses. Number of Houses. Number of Infected Houses.	48
	notices by In- otices by rity	Number of Houses Closed.	:
		Legal Notices to Close Houses.	1
R. A. S.	nformal n served by spector Legal not served b Authori Nuisances abated	thall as barronal	:
	Infe Se Se Se Nu	Number of Houses Repaired.	:
	71 rict	Informal Notices to Repair Houses.	
KII.	al Distr nsus 189 d) 1,200. MAYLAN	Number Inspected.	85
SANTTARY AUTHORITY.	Name of District: Rural District Informal Served Area: 5,500 Acres. Population: 5,614 (Census 1891) No. of Houses (estimated) 1,200. Name of Inspector: S. Maxean. Informal served spector abuted		

COUNTY OF DERBY.

TABLE OF DEATHS during the Year 1898, in the Rural Sanitary District of Codnor, classified according to Diseases, Ages, and Localities.

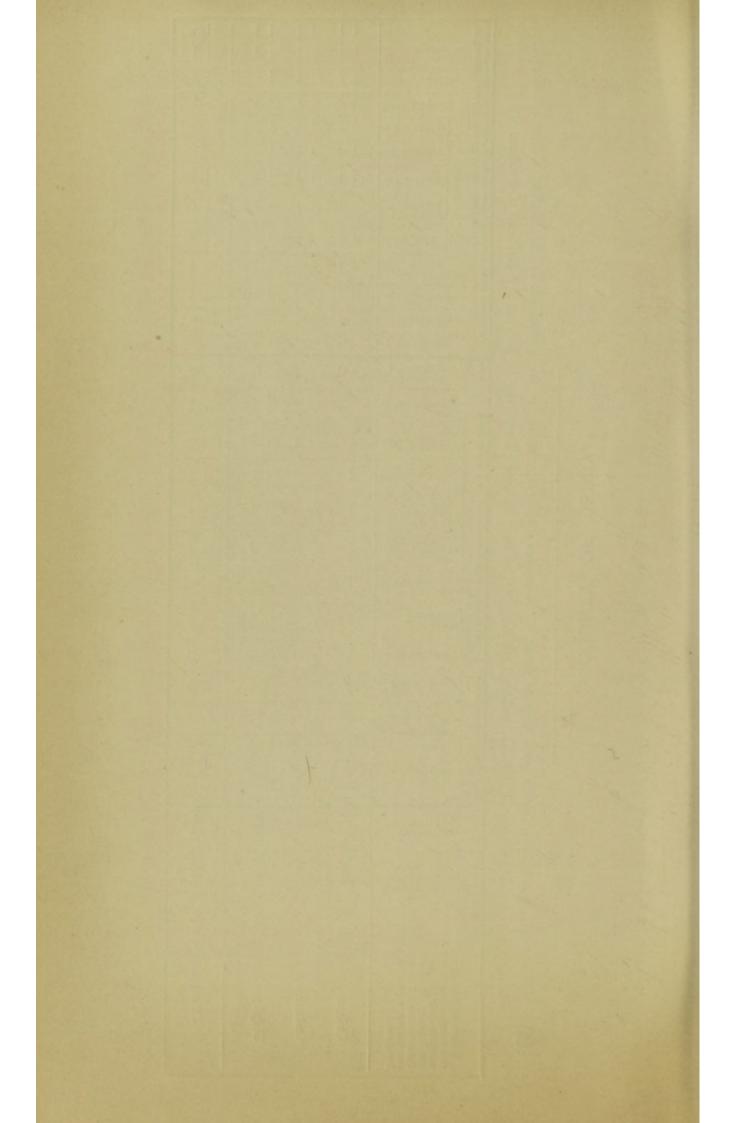
8

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	TOTAL S	25 40	12.5	00 10	34	:01	80
	S Diseases.	123	60 0	01 00	17 30	:-	- 00
AGE.	.soimial S	:00	1:	1 ::	-00	11	010
RS OF	Heart Disease.	. 9	:-	::	1:1-	11	1 ::
YEAR	Bronchitis, Preumonia, and Pleurisy	1-0	- :	: 23	1.8	11	1 ::
FIVE	Phthisis.	:00	:-	1 :	. +	1	1:1
UNDER	-ənsy S	::	1.1	::	111	1	!!
	Rheumatic Fever.	::	::	11	::	1 :	1 ::
CHILDREN	Dysentery.	4 :		::	10 -	:-	::
A O	Whooping &	11	::	1:	1:	::	1 ::
DEATHS	Jiensles.	- 11	- ::	: :	C1 :		!!
	Erysipelas.	1 :	: :	11	1 : :	11	1 ::
UISHI	Cholera.	11	: :	11	::		!!
DISTINGUISHING	oPuerperal	:-	::	111	:-	11	::
	2 Relapsing ∞	11	11	11	::	- 11	::
CAUSES,	bennitno3c-	::	11	11	11	1:	::
SUBJOINED	Entericor Proposid.	11	11	11	::	11	1 ::
SUBJ	es Typhus.	::	11	11	::	11	111
PROM	Alembranous Croup.	::	11	::	::	11	1 ::
14	.mirodadqid &	::	11	11	11	11	1 ::
MORTALIT	to Scarlatina.	::	11	11	11	11	1 ::
No.	- Smallpox.	- :	11	::	- :	11	1 1 1
	Aged under 5 or over 5.	Under 5	Under 5	Under 5	Under 5 5 upwds.	Under 5 5 upwds.	Under 5 (5 upwds.
	65 and upwards.	20	C1	4	26	63	:
ISES,	25 and under	16	1-	:	23	:	0
GE CAL	15 and under	4	-	:	5	:	0.1
OM AL	5 and under	:	6.1	-	60	:	67
TALITY FROM ALL CA	I and under	9	1	0.1	02	1	63
MORTALITY FROM ALL CAUSES, AT SUBJOINED AGES.	Under 1 year.	19	20	-	55	:	1
	At all Ages.	29	18	∞	16	63	12
	NAMES OF LOCALI- tures adopted for the purpose of these Statistics; Public Institutions being shown as separate localities.	пот	Codnor Park	Shipley	TOTALS	Deaths occurring outside the district among persons belonging thereto.	Deaths occurring within the dis- trict among per- sons not belong- ing thereto
,	TIES adopted purpose of Statistics; Institutions shown as se localities.	Codnor	Cod	Ship		Deaths outsic trict a sons thered	Death with tric sons ing

COUNTY OF DERBY.

Table of Population, Births, and of new cases of Infectious Sickness, coming to the knowledge of the Medical Officer of Health, during the Year 1898, in the Rural Sanitary District of Codnor, classified according to Diseases, Ages, and Localities. (B)

	_					_				
THE EAL.		. 5	:	:	:	:	:	:	:	:
NI S		23	-	:	:	:	:	1	:	:
TREATMENT IN ISOLATION HOSPITAL.	.81	E Erysipela	:	:	:	:	:	:	:	:
TYTE H		≅ Cholera.	:	:	:	1	:		:	:
THE		c Puerperal	:	:	:	:	-	:		-
NON NT I		gaisqaləH∞		:	:	:	:	:	:	-
ATME	Fevers	→Continued	:	:	:	:	:	:	:	
THE NUMBER OF SUCH CASES REMOVED FROM THEIR SEVERAL LOCALITIES FOR TREATMENT IN ISOLA	E	Entericor Typhoid	- 1		:	***	:	:	:	:
ES FOR		o Labras.	:	1	:	:	:	:	:	:
P SUCH CASI	sno	Membran	:	:	:	:	.:	:	1	:
or s	.ni	∞ Diphther	:	:	:	:	:	:	:	:
TREAL	-В	c. Scarlatin		00		0	:	:		9
NUM		- gmallbox	:	:	:	:	:	:	:	:
THE	.8	E Erysipela	:	9	:	:	:	1	:	9
KNOWLEDGE OF		E Cholera.			:	:		:	:	:
NOWER		~Puerperal	:	7	:	:	. :	:	:	-
THE	10	Zuieqal9H &	:		;	:	:	:	:	:
OMING TO HEALTH.	Fevers	> Continued ≥	:	:	:	:	- :	:	:	:
OH		Entericor Typhoid.	:	:	:	:	:	:	:	:
LOCALITY CO		o Labbus.	:		1:	:	1	:	:	:
	sno	Membranous &		:		:	:	:	:	:
MEDI	18	a Diphtheri	:	67	:	:	:	:	:	0.1
CKNES	1	enitalitase es	13	31	00	0	-	:	16	36
OF SI	-	xodlisms -	-	:	:		:	:		-
NEW CASES OF SICKNESS IN EACH		Aged under 5 or over 5.	(Under 5	spwdn g)	(Under 5	spwdn 9 }	(Under 5	spwdn g)	(Under 5	spadn ç)
		Hegister Births	130		66	22		16		108
POPULATION AT ALL AGES.		Estimated to middle of	2000	4045		1801		199		06/0
POPULA ALL		Census 1891.	0,00	3848		1077		689		1100
	TIMES OF LOCALITERS adouted for the	purpose of these Statistics; Public Institutions being shown as separate localities.		Codnor	Coduce Donk	Codnor Park		Shipley		TOTALS



RAINFALL REGISTERS, 1898.

Month.	Total Depth. Inches.	Greatest 24 ho Depth.	urs.	Number of Days on which '01 or mere	Month.	Total Depth. Inches.	Greatest 24 ho Depth.	urs.	Number of Days on which '01 or more
			-51110	rain fell.					ram fell.
January -	1.00	.42	4th	11	January -	.87	.37	4th	10
February	1.39	.23	28th	19	February	1.00	.19	28th	17
March -	1.21	.33	26th	12	March -	1.09	.35	26th	14
April -	2.10	-69	11th	13	April		.85	11th	13
May	2·36 2·28	1.09	22nd	20 11	May		·29 ·27	17th 21st	19 12
June July	1.28	1.08	26th 1 & 28		June July		-35	22nd	8
August -	2.27	.54	Sth	18	August -		.46	6th	16
September	-33	.26	29th	5	September		-32	29th	3
October -	3.18	.80	18th	20	October -		.85	18th	19
November	2.09	.36	23rd	17	November		-39	23rd	16
December	1.82	.32	26th	12	December	1.67	.31	28th	13
TOTAL -	21:31			164	TOTAL -	19:79			160
Dani	ton Fiel	la Nati	tinahar		Ctu	Dor Hal	1 Matti	naham	
Gauge abo	ton Field				Gauge abo	elley Hal			
above sea									K. Edge.
									,
January -	0.95	0.47	4th	7	January -	.73	.32	4th	8
February	1.28	0.25	3rd	15	February	-86	19	28th	15
March -	1.29	0.38	1st	13	March -	1.00	.20	27th	14
April -	1.63	0.40	28th	13	April	1.64	.50	11th	10
May	2.58	0.37	5th	18	May	1.83	.25	5th	19
June		0.22	21st	13	June		.52	21st	9
July	1.22	0.48	22nd	.7	July		.36	lst	6
August -	2.69	0.43	6th	17	August -	2.20	.69	6th	15
September		0.40	30th	3	September		20	29th	2
October - November	3·21 2·36	0.90	18th 23rd	18 15	October - November		.30	16th 23rd	15 14
December		0.36	28th	15	December		-33	26th	13
		0.00	-001	10	December	1 00	- 00	Louis	10
TOTAL -	21.16			154	TOTAL -	16.00	4.36		140
The	Colliery,	Eastwo	od, No	tts.	Corporatio	on Farm.	Stoke I	Bardolr	h. Notts.
Gauge abo	ve ground	l, 12in.	; above	sea level		bove gro			
245 ft.			Ed. L	indley.		83 ft. 5 in			A. Avis.
					1	1			
January -	.87	.37	4th	10	January -	.27	.12	30th	3
February	.76	.20	3rd	15	February	1.36	.30	4th	18
March -	1.02	.44	26th	12	March -	1.34	.31	27th	13
April -	2.90	1.20	11th	13	April -	2.26	.72	llth	11
May		:61	20th	19	May		-39	11th	16
June July	1.16	-24	2nd	14	June		-22	22nd	15
August -	2.78	-55	22nd 21st	17	July August -		·44 ·51	29th 3rd	5 16
September	-67	-53	29th	4	September		.45	30th	3
October -	3.63	.94	18th	20	October -		.50	17th	15
November	2.51	49	23rd	17	November		.75	24th	15
December	2.11	.20	28th	14	December	2.12	-62	29th	17
TOTAL -	22:04			163	TOTAL -	21:41			147
Seletor	Pumpin	er Stati	on Ki-	khy	*Cura	Hill Co	dnon T	loubred	ino
Guage a	bove grou	and, 1 i	n.; ab	ove sea	Guage at	s Hill, Co			
	, 475 ft.			letcher.	o mago at		nd, 10 in		, 110010
			Stormer, to me						

^{*} The lowest rainfall since 1888 below the average of the previous nine years by 4.50 inches. A. F. Pine.

METEOROLOGICAL

(As supplied Weekly and Monthly to th

Taken at Nottingham, at a Station 214·32 feet above mean or half tidd Latitude 52 deg. 57 min. North

	Pressu Atmos in Mo	phere	Ter	ture of	f Air i	n Mon	th.	Mean Tem- perature.		Vapour.			tumidity 100.		
Month.			st.	·.	0.	Mean.				int.	orce.	In a cubic foot of Air.		ee of H	
	Mean.	Range.	Highest.	Lowest.	Range.	Of all Highest.	Of all Lowest.	Daily Range.	Range.	Air	Dew Point.	Elastic Force.	Mean.	Short of Saturation	Mean degree of Humidity Saturation=100.
1898.	Inches.	Inches	Degs.	Degs.	Degs.	Degs.	Degs.	Degs.	Deg.	Degs.	Ins.	Gns.	Gns.		
Jan	30.244	1.219	56.1	29.0	27.1	47.4	37.3	10.1	42.8	39.5	0.243	2.8	0.4	88	
Feb	29.873	1.065	57.2	23.7	33.5	46.0	34.0	12.0	40.1	35.5	0.208	2.4	0.5	84	
March	29.868	0.859	56.8	24.0	32.8	45.2	31.9	13.3	38.8	34.3	0.199	2.3	0.5	85	
April	29.873	0.682	66.4	23.0	43.4	53.3	37.7	15.6	45.9	38.0	0.230	2.7	0.9	74	
May	29.818	1.218	69.4	35.0	34.4	55.5	41.5	14.0	48.8	40.1	0.249	2.8	1.1	72	
June	29.943	0.909	74.0	35.0	39.0	62.7	46.1	16.6	54.7	45.9	0.309	3.5	1:3	72	
July	30.078	0.718	78.0	41.3	36.7	66.9	48.8	18.1	58.2	48.0	0.335	3.7	1.7	69	
Aug	29.971	0.563	83.1	45.2	37.9	68.6	51.7	16.9	60.3	51.5	0.384	4.2	1.6	72	
Sept	30.063	0.676	86.6	37.8	48.8	68.5	49.3	19.2	59.3	48.9	0.346	3.9	1:8	69	
Oct	29.802	1.479	69.2	37.0	32.2	57.6	46.3	11.3	52.0	46.9	0.322	3.6	0.8	83	
Nov	29.818	1.596	60.3	25.4	34.9	49.6	38.6	11.0	44.0	41.4	0.261	3.0	0.3	90	
Dec	29.951	1.318	57.8	26.4	31.4	50.3	39.4	10.9	45.1	39.9	0.246	2.8	0.6	82	

OBSERVATIONS, 1898.

Registrar-General, Somerset House, London.)*

level at Hull, and 215.00 feet above mean or half tide level at Liverpool. Longitude 1 deg. 9 min. West.

1	a cubic	Mean Reading of Thermometer.		Wind,							it of	it of	Rain,			
	Weight of a foot of Air.	m in Sun.	m on s.	aily in lbs.	Rel	ative	prop	portio	on of	ntal nt of	Mean amount of Ozone.	Mean amount Cloud.	rs -010 fell.	int	mt 76 feet ound.	ation.
	Mean Weight of a cubic foot of Air.	Maximum in Rays of Sun,	Minimum on Grass.	Mean daily Pressure in lbs. per square foot	Pressure in Ibs. Relative botout of Air. Mean amount of Air. Mean amount of Air. Mean amount of Air. Cloud		No. of days ·010 or more fell. Amount collected		Amount collected, 76 feet above ground.	Evaporation.						
ı	Gns.	Deg.	Deg.							Miles.				Inches	Inches	Inches
ı	534.4	56.3	33.9	·3505	2	1	4	24		7662	.29	8.8	9	.889	.882	1.011
ı	549.4	75.6	29.6	.7615	6			22		9755	.57	6:7	14	·834	.639	1.408
۱	550.9	81.2	28:9	.5248	16	3	1	11		8526	.74	7.8	13	1.169	·891	1.829
ı	543.1	102.8	35.8	.5459	4	6	9	11		7357	.60	6.3	11	1.981	1.687	2.666
I	538.8	108:3	41.4	.5519	12	3	3	13		7950	.55	6.7	18	2.175	1.785	3.005
l	534 ·6	114.0	45.7	.3959	10	4	2	14		6506	.70	7.0	13	2.211	1.912	4.180
ı	533.8	120.1	46.1	·4766	12	2	1	16		6258	·29	5.7	7	1.319	1.219	4.385
ı	528.8	115.2	49.6	-3397	5	4	4	18		6958	·87	6.8	15	2.510	2.306	3.167
ı	531.6	115.4	45.8	.3559	4	6	5	15		5491	.26	4.5	4	-390	-281	3.388
	534.9	87.6	44.7	.5315	6	10	5	10		7470	·32	8.1	16	2.703	2.365	2.099
	543.8	73.2	37.3	.5224	5	6	6	13		6831	.33	7.8	14	1.866	1.403	1.018
	545.1	70.6	35.3	·5683	4	1	9	17		10547	1.03	6.5	14	1.703	1.441	1.546

^{*} Published by permission of the Nottingham City Authorities.

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