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Rural District Council

— OF —

BASFORD.

ANNUAL REPORT

— FOR —

1901.

BY

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

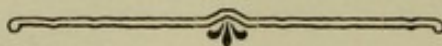
MEDICAL OFFICER OF HEALTH

Nottingham :

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1902.

Rural District Council of Basford.



Chairman " " **R. G. HANSON, Esq., J.P.** (Appointed April, '78.)

Vice-Chairman " " **WM. WALKER, Esq.** (Appointed April, '91).

<i>Parishes.</i>	<i>District Councillors.</i>	<i>Parishes.</i>	<i>District Councillors.</i>
Annesley & Felley	Mr. J. T. BARKER (3)	Greasley	Mr. D. T. GREEN (5)
Awsorth	" W. BONNER (3)	Kimberley	" R. G. HANSON (29)
Barton	Rev. C. A. HODGSON (17)	Lambley	" S. PLUMB (2)
Bestwood Park	Mr. J. H. BRADWELL (15)	Lynby	" J. MACHIN (7)
Bilborough	" R. MOORE (5)	Newstead	" J. B. SMITH (15)
Bradmore	" T. WALKER (12)	Nuthall	" W. B. HANSON (5)
Brinsley	" W. TAYLOR (22)	Papplewick	" J. W. CUNDY (4)
Bunny	" J. BRUNT (3)	Ruddington	" J. GREENWOOD (1)
Burton Joyce	" J. ALVEY (1—3)	Selston	" E. BRIGGS (9)
Calverton	" W. CLIFTON (2)	Shipley	" P. WALKER (10)
Clifton	Rev. H. W. WYNNE-FFOULKES (10)	Stoke Bardolph	" A. A. AVIS (4)
Codnor Park	Mr. A. F. WRIGHT (6)	Strelley	" W. OLDERSHAW (7)
Colwick	" G. W. HOOTON (4—4)	Thrumpton	" M. SAVIDGE (8—6)
Cossall	" E. PAXTON (11)	Trowell	" G. PLATTS (3—3—10) First appointed 1861.
Gamston	" W. WALKER (4—3—8)	Wilford (South)	Rev. J. CLOUGH (4)
Gedling	" H. TAYLOR (7)	Wollaton	Mr. W. P. J. ALLSEBROOK (6—4)
Gotham	Rev. F. A. WODEHOUSE (5)	Woodborough	Mr. C. H. HILL, J.P. (3)

The numbers in parenthesis after each name represent the number of years service.

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

Report.

The following is my Report for 1901.

THE DISTRICT.

THE RURAL DISTRICT OF BASFORD consists of 35 parishes—33 in Nottinghamshire and 2 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 34 members, the parishes of Annesley and Felly being joined together and having one representative. Only one change has taken place in the constitution of the Council, Mr. Gunn being superseded by Mr. Greenwood in the representation of Ruddington, after a contested election in April last.

THE SANITARY OFFICERS. These remain the same as last year, viz., Mr. Maylan, Surveyor and Chief Inspector; Mr. Winders, Assistant Sanitary Inspector, and Inspector of Dairies and Cowsheds; and Mr. Renwick, Junr., Inspector of Canal Boats. I am pleased to again be able to say that all your officers work most harmoniously together, and that an enormous amount of work has been done during the year. The Sanitary Inspectors visit the Public Offices, Basford (which is their official address) daily, at 9 a.m., and all the officers attend there on Friday mornings, from 10 to 12.30, to receive complaints, confer on matters which have arisen in connection with the work, and arrange visits of inspection, etc.

PART I.

THE NOTTS. PORTION OF THE DISTRICT.

The following Table shows the parishes, areas, inhabited houses, and the populations of the Parishes and Sub-districts, according to the uncorrected Census of 1901 :—

Sub-District.	Parishes included.	Acres.	Inhabited Houses. Census 1901.	Population Census, 1891.	Population Census 1901.
No. Name. Population.					
1—Greasley 20624	{ Brinsley ... Kimberley ... Selston ... Annesley and Felley Greasley ...	915 736 3318 3538 6359	276 1045 1444 272 1155	1423 4798 5267 1418 4922	1418 5129 7071 1312 5694
2—Ikceston 1377	{ Cossall ... Trowell ...	987 1621	197 81	829 414	943 434
3—Beeston 541	Wollaton ...	2097	126	654	541
4—Bulwell 3178	{ Bilborough ... Strelley ... Awworth ... Nuthall ... Bestwood Park ...	1098 1069 367 1348 3729	43 44 301 122 114	210 204 1247 618 736	202 205 1529 592 650
5—Arnold 4416	{ Lynby ... Newstead... Papplewick ... Calverton ... Woodborough ... Lambley ...	1488 3258 1986 3424 1945 2174	56 188 69 280 186 190	310 1036 384 1199 768 729	319 1100 346 1159 722 770
6—Carlton 2914	{ Burton Joyce ... Gedling ... Stoke Bardolph ... Colwick ... Gamston ...	1388 1918 1115 1340 448	224 181 47 196 19	877 526 188 480 94	921 785 213 899 96
7—Wilford 5307	{ Ruddington ... Bradmore ... Bunny ... Gotham ... Thrumpton ... Barton ... Clifton-cum-Glapton Wilford ...	2990 1253 2137 2563 1014 1564 1921 1521	593 59 54 245 39 57 84 131	2370 244 239 1134 141 246 391 519	2493 230 205 1009 167 267 383 553
	Totals	62629	8118	34615	38357

VITAL STATISTICS.

Tables of Statistics are placed at the end, viz. :—Tables I. to IV. recently adopted by the Local Government Board, instead of Tables A and B; and Tables V. and VI. (formerly III. and IV.) 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 during the year.

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 Registrar-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.—The recent Census showed this to be 38,357, or 1,294 less than I had estimated for the previous year. This error of over-estimation has been pretty general throughout the country, and is partly accounted for by the steady decline in the birth-rate which has taken place during the last decade. There were 8,442 houses, of these 8,117 were occupied and inhabited, 79 occupied but not inhabited, and 246 empty; 42 houses were in course of construction. As regards the sex, the males exceeded the females by 526. The average number of persons per inhabited house was 4.72. The most note-worthy local increases were in Selston, Awsworth (notwithstanding the closing down of the Colliery there), Lambley and Gedling; while Gotham and Bestwood Park have decreased considerably. I have based the rates in this Report on the Census figures, as I don't think the local conditions affecting the population altered materially during the succeeding quarter. Building operations were active in Gedling, Greasley, Brinsley, Kimberley, Selston, and Burton Joyce; plans for no less than 305 new houses were passed by the General Purposes Committee during the year. I may add here that the Committee started their work with the decision to pass no plan which does not conform to the new Bye-laws, and no doubt the benefit of this decision will be apparent in the future, as I know many houses built just before the approval of the Bye-laws, in 1896, which are now causing nuisances necessitating expensive public means for their abatement.

MARRIAGES.—The number of persons married was 574. This corresponds to a Marriage rate of 14·9 per 1000 of population.

BIRTHS.—1234 births were registered during the year. Of these 625 were males and 609 females. Among the males 24, and among the females 20, were illegitimate.

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

		Legitimate.		Illegitimate.		Total.
		Males.	Females.	Males.	Females.	
1st quarter	...	158	...	154	...	326
2nd	„	140	...	151	...	301
3rd	„	139	...	159	...	310
4th	„	164	...	125	...	297
Totals	...	601	...	589	...	1234

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

Year.	Number of Births.
1900	1172
1899	1215
1898	1145
1897	1143
1896	1382

The Natural increase, *i.e.*, the excess of births over deaths, was 637, and the birth rate 32·17 per 1000. This rate is 2·6 higher than 1900.

DEATHS.—The corrected number of deaths is 597, and gives a death rate of 15·56 per 1000, *i.e.*, ·1 above the rate for 1900; it is ·14 below the death rate for England and Wales (less the 100 towns) *viz.*, 15·7.

SEASONAL MORTALITY.—The numbers occurring in each quarter of the year and in the 7 preceding years are as follows:—

	1894	1895	1896	1897	1898	1899	1900	1901
1st quarter	225 ...	293 ...	153 ...	183 ...	149 ...	144 ...	230 ...	160
2nd „	177 ...	228 ...	141 ...	134 ...	141 ...	144 ...	123 ...	165
3rd „	118 ...	187 ...	160 ...	141 ...	143 ...	160 ...	134 ...	139
4th „	184 ...	206 ...	196 ...	145 ...	139 ...	167 ...	126 ...	133
	704	913	650	603	572	615	613	597

The following rates for 1901 are for comparison :—

Death rate for England and Wales	...	...	...	16·9
„ „ 33 Great Towns	...	...	...	18·6
„ „ 67 other Town Districts	...	...	...	17·1
„ „ England and Wales <i>less</i> the 100 Towns	...	...	...	15·7
„ „ London	...	...	...	17·6
„ „ Nottingham	...	...	...	18·4
„ „ Basford Rural District	...	...	...	15·5

AGE MORTALITY.—The numbers during the past 6 years are given below :—

	Deaths under 1 year.	Deaths under 5 years.	Deaths 5 to 65 years.	Deaths 65 years and upwards.
1896	... 210	... 279	... 222	... 149
1897	... 164	... 230	... 238	... 135
1898	... 163	... 214	... 194	... 164
1899	... 188	... 242	... 207	... 166
1900	... 195	... 239	... 211	... 163
1901	... 202	... 284	... 184	... 129

These figures show the mortality at the extremes of life.

The number of deaths of infants under one year still continues to be excessively high ; no doubt the increase this year is partly accounted for by the increased birth-rate, but a great many infant lives are yearly sacrificed through ignorance. I hope that the leaflets on “The Feeding and Care of Infants” I am distributing in the District may show some good results in the future.

The **INFANT DEATH-RATE** was 163·7 per 1000 registered births, as compared with 166·3 in 1900 ; 338·3 per 1000 total deaths ; and 5·2 per 1000 living.

DEATHS IN PUBLIC INSTITUTIONS numbered 34, viz :—Nottingham General Hospital, 11 ; Basford Workhouse, 13 ; County Asylum, 7 ; Ilkeston Hospital, 1 ; and the Sanatorium, 2. I am indebted to Mr. E. M. Keely, Mr. Turnbull, and Dr Ellerton for furnishing these particulars.

INQUESTS.—Coroner's Inquests were held in 19 cases (as compared with 24 in 1900).

The age periods were :—

Under 1 yr.	1-5 yrs.	5-15 yrs.	15-25 yrs.	25-65 years.	65 yrs. upwards.
0	1	3	2	9	4

The following were returned as causes of death :—

Drowned	...	...	...	...	...	3
Syncope and Heart Disease	...	...	...	...	...	1
Burns and Scalds	...	...	...	...	...	1
Run over	...	...	...	...	...	3
Fall of Roof (Colliery)	...	...	...	...	...	6
Suicide	...	...	...	...	...	4
Other causes	...	...	...	...	...	1
						19

UNCERTIFIED DEATHS.—15 deaths have been registered as “not certified” during the year, as compared with 13 in 1900. The following is a classification :—

Uncertified Deaths.						
Causes.				Age-periods.		
Convulsions	...	4	...	0—1 yrs.	...	4
Heart Disease	...	4	...	1—5 „	...	4
Bronchitis	...	3	...	15—25 „	...	1
Diarrhœa	...	1	...	25—65 „	...	1
Other causes	...	3	...	65 and upwards		5
						15
						15

Table showing the number and distribution of Inquests held, and the uncertified deaths recorded during 1901.

REGISTRATION SUB-DISTRICT.	INQUESTS held in the District during the year 1901.					DEATHS recorded as "uncertified" during the year 1901.				
	1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	Total.	1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	Total.
Greasley ...	2	2	2	1	7	1	2	2	4	9
Ilkeston ...	1	0	0	0	1	0	0	0	0	0
Beeston ...	0	0	1	0	1	0	0	0	0	0
Bulwell ...	0	1	2	0	3	0	0	1	0	1
Arnold ...	0	0	0	1	1	3	1	1	0	5
Carlton ...	1	1	2	1	5	0	0	0	0	0
Wilford ...	1	0	0	0	1	0	0	0	0	0
Totals ...	5	4	7	3	19	4	3	4	4	15
Rate per 100... total deaths.	3.1	2.4	5.0	2.2	3.1	2.5	1.8	2.8	3.0	2.5
Percentage England & Wales.	6.9	6.8	6.0	6.9	6.6	2.0	1.8	1.5	1.9	1.8

ZYMOTIC DEATHS.—74 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) Diarrhœa.

The **ZYMOTIC DEATH-RATE**, derived from the above-mentioned diseases was 1.92 per 1000 living *i.e.*, .71 above that of the previous year. The Zymotic death-rate for England and Wales (less the 100 Towns) was 1.56 per 1000 living.

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

DISEASES.	Total Deaths from Zymotic Diseases, during						Annual Average of 10 years, 1891-1900.	Proportion of Deaths to 1000 Deaths in 10 Years	Proportion of Deaths to 1000 Deaths in 1901.
	1896.	1897.	1898.	1899.	1900.	1901.			
Small-Pox	...	...	...	...	...	...	·2	·2	0·0
Measles	17	22	3	3	4	6	11·1	20·3	28·4
Scarlet Fever	5	2	2	8	9	5	8·2	9·7	8·3
Diphtheria	9	6	4	...	2	4	4·5	4·1	15·0
Whooping Cough ...	7	12	25	4	9	8	15·3	15·6	11·7
Typhus Fever... ..	...	...	...	...	...	...	...	...	...
Typhoid or Enteric Fever	5	9	16	6	7	5	10·8	15·6	8·3
Simple continued Fever	...	...	...	...	...	...	·2	·4	0·0
Diarrhœa	31	9	18	30	25	20	23·3	30·7	51·9
TOTALS	74	60	68	51	56	48	73·6	96·6	123·6

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, and by an Order of the Local Government Board Plague has been added.

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

Cases of Notifiable Diseases occurring in each month of 1901.

Month.	Scarlet Fever.	Diph't'ria & Memb. Croup.	Enteric Fever.	Erysipe- las.	Contin- ued Fever.	Puerpe- ral Fever.	Small- pox	Cholera	Totals.
January -	34	3	6	6	...	...	...	...	49
February -	23	1	1	3	...	...	...	...	28
March -	46	2	...	7	...	...	...	...	55
April -	39	4	1	7	...	...	...	...	51
May -	34	3	2	2	...	...	...	...	41
June -	37	4	5	6	...	...	...	...	52
July -	20	6	5	3	...	...	...	...	34
August -	13	9	8	2	...	1	...	...	33
September -	17	8	15	2	...	...	...	...	42
October -	28	3	8	3	...	...	...	...	42
November -	18	1	8	4	...	...	...	...	31
December -	11	4	3	3	...	...	...	...	21
Totals -	320	48	62	48	0	1	0	0	479

Deaths from Notifiable cases in each month of 1901.

Month.	Scarlet Fever.	Diph't'ria & Memb. Croup.	Enteric Fever.	Erysipe- las.	Puerpe- ral Fever.	Cholera	Totals.
January -	2	...	...	...	...	...	2
February -	...	...	...	1	...	...	1
March -	...	...	...	...	...	...	...
April -	1	...	...	...	...	...	1
May -	1	...	1	...	...	...	2
June -	...	...	...	...	...	...	...
July -	...	2	1	...	...	...	3
August -	...	2	...	...	...	...	2
September -	1	3	1	...	...	...	5
October -	...	...	2	...	...	...	2
November -	...	...	...	...	...	...	...
December -	...	2	...	...	...	...	2
Totals -	5	9	5	1	0	0	20

The cost of notification during the year has amounted to £59 17s. 6d.;
or an average of £1 11s. 2d. 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.	Puerperal Fever.	Small-pox.	Cholera.	Totals.
Notified Cases in :—											
"	"	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
"	"	1899	256	11	46	34	...	..	...	...	347
"	"	1900	260	36	58	43	...	2	...	...	399
"	"	1901	320	48	62	48	...	1	...	...	479
Deaths from Notifi- able Diseases in											
"	"	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
"	"	1898	8	...	6	2	...	2	...	...	18
"	"	1899	9	2	7	3	...	...	...	...	21
"	"	1900	5	4	5	1	...	3	...	...	18
"	"	1901	5	9	5	1	...	...	...	...	20

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.

During the year, 314 cards were sent out, and of these 247 were returned and the houses disinfected.

SCARLET FEVER.—322 cases were notified (as compared with 260 in 1900) with 5 deaths, giving the very low case mortality of 1·5 per cent, and a death-rate of ·13 per 1000 living.

The disease was particularly prevalent in the hamlets of Greasley parish adjoining the Beauvale Schools, which were closed on two occasions for short periods in conjunction with the Whitsuntide and Summer holidays, but unfortunately without any marked result in staying the Epidemic. The type was a very mild one, and several children were discovered attending School in the peeling stage without any history of previous illness; of the 154 cases notified in the parish, only one proved fatal. Advantage of isolation in the Sanatorium was only taken in *one* case!

To a much less extent the disease was prevalent in Awsworth, Kimberley, and Selston (where it has now been endemic for four years) in the West; in Bestwood Park and Papplewick in the North; and Burton Joyce, Gedling and Colwick in the East. In most of the Northern and Eastern parishes considerable advantage was taken of the Sanatorium, with the result that the Epidemics in those parishes were kept within bounds. Thus it is again proved that by early removal of all cases as they arise, the disease can be checked and finally stamped out in a Village.

DIPHTHERIA AND MEMBRANOUS CROUP.—48 cases were notified with 9 deaths, as compared with 36 cases and 4 deaths in 1900. A sharp and very fatal outbreak occurred in Brinsley on the break-up of the long and dry period of hot weather experienced last Summer, and it was no doubt partly due to the insanitary conditions of the parish, conditions well-known to your Special Committee who visited the place with a view to take steps for their abatement. I am glad to be able to report that steady and satisfactory progress has been made in the work. Of the 13 cases notified 6 proved fatal. In Awsworth 15 cases were notified and one proved fatal; in this parish deep privy-middens abound, and there is no public scavenging. I will here quote from my last Annual Report; "It is open for you to extend the system of scavenging to most if not all the parishes in the District, and enter on a crusade against the deep privy-middens which still abound, and pollute the air and soil, and very often the water supply, and which constitute without doubt the one insanitary condition to which *endemic* disease is directly traceable." There is no doubt that public scavenging all round, and the establishment of refuse destructors in the District are questions which you must face in the future, if you are to keep abreast of the times, and do your duty as Sanitarians.

ENTERIC FEVER.—62 cases were notified with 5 deaths, a slight increase on the 58 cases and 5 deaths of 1900. The disease was

principally confined to the Western parishes, viz.:—Greasley, Brinsley, Kimberley, Selston, and Awsworth, where 54 cases occurred with 3 deaths.

ERYSIPELAS.—48 cases were notified, and one case in Greasley proved fatal.

PUERPERAL FEVER.—The only case notified recovered.

SMALL-POX.—No case was notified during the year. Owing to the Epidemic in London and the presence of the disease in several provincial centres, you have had notices posted throughout the District pointing out the benefits of re-vaccination and the facilities the Guardians offer for its performance free of cost. Should the disease appear in the District it will have a fair field for spreading, as I believe I am well under the mark in stating that 30 per cent. of the population are unprotected by recent vaccination, and you have up to the present got no means of isolating the first cases which may occur.

B.—NON-NOTIFIABLE ZYMOTIC DISEASES.—

MEASLES was prevalent in one or other of the parishes of the District during the whole of the year, and necessitated School-closure in ten. 17 deaths occurred, 9 in Selston, 2 each in Kimberley, Greasley and Annesley, and 1 each in Awsworth and Cossall. All the fatal cases were complicated by Lung affections.

WHOOPING COUGH appeared to a slight extent in Gotham and Calverton; in the latter parish the National Schools were closed as soon as the disease manifested itself, and with good results.

DIARRHŒA.—This scourge of our infant population claimed 31 victims during the year; with the exception of three elderly people, all were infants in the *early* months of life. The deaths were associated with those localities in the District whose insanitary characteristics are dilapidated deep privy-middens, and dirty unpaved back yards; just the conditions to foster and propagate the micro-organisms to which the disease is due. *Mothers should avoid as far as possible weaning their infants during the summer months when the disease is most prevalent, and all milk for hand-fed children should be boiled, and if stored, protected from dust.*

C.—OTHER DISEASES.—

CANCER caused 21 deaths, a marked decrease on the 27 of last year, which was practically the average of the last 15 years. The death-rate was .5 per 1000.

INFLUENZA.—There was a marked diminution in the severity of this disease, which, though prevalent in the first quarter, only caused one death.

PHTHISIS caused 26 deaths, or 4 less than the previous year. It is satisfactory to note that there has been a steady and continuous decrease in the mortality from this and the other kindred diseases, grouped under the head of Tuberculosis, during the last few years.

COMPARATIVE TABLE.

<i>Annual Death-rate per 1000 living.</i>									
	Total Deaths.	Principal Zymotic Diseases.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fever.	Diarrhea.	Small-Pox
England & Wales, less 100 towns 1901	15·7	1·56	·17	·10	·24	·25	·14	·65	·01
Basf'd Rl. Dist. 1901	15·5	1·92	·44	·13	·24	·18	·13	·80	...
„ „ 1900	15·4	1·21	·15	·12	·10	·20	·12	·50	...
„ „ 1899	15·7	1·43	·10	·23	·05	·23	·17	·63	...
„ „ 1898	14·8	1·32	·07	·20	·00	·10	·15	·77	...
„ „ 1897	15·7	1·77	·07	·05	·10	·65	·40	·46	...

THE SANATORIUM.—The Hospital Committee have met monthly at the Sanatorium during the year, and eleven times at the King Street Offices, the average attendance being five.

The chief matters of importance to record are:—

The Committee were invested with power to advertise for and enter into Contracts for the necessary supplies, and this was done with satisfactory results.

An entrance lodge was built at a cost of £356, and the head gardener appointed to occupy it, as it was felt that the presence of a man on the premises at night-time was desirable and sometimes necessary.

Owing to the weathering of the tiles, and leakage in wet weather, the whole of the roofing of the buildings was overhauled and put in a state of good repair at a cost of about £130.

The resignation of Miss Hickmott, as Matron, was received with regret, and Miss Clapp, from the City Infectious Hospital, was appointed to succeed her.

The Southwell Rural District Council entered into an agreement with this Council, whereby patients from that District are received into the Sanatorium on the usual terms.

The Sanatorium has been in use for the isolation of patients during the whole of the year. I append tables similar to those of last year, showing the number of cases notified and isolated in each parish, also cases isolated from other Districts, and a general statistical table for the Sanatorium for the year.

The following table shows the cases notified in each parish and those removed to the Sanatorium.

NOTTS. PORTION.

Sub-District.	Parish.	CASES NOTIFIED.			Cases Isolated in the Sanatorium.		
		Scarlet Fever.	Enteric Fever.	Diphtheria.	Scarlet Fever.	Enteric Fever.	Diphtheria.
1—Greasley	Brinsley ...	6	5	13	0	0	0
	Kimberley ...	25	9	9	0	0	0
	Selston ...	21	5	1	0	1	0
	Annesley & Felley ...	5	0	0	1	0	0
	Greasley ...	154	30	6	1	3	0
2—Ilkeston	Cossall ...	0	0	1	0	0	0
	Trowell ...	0	0	0	0	0	0
3—Beeston	Wollaton ...	4	0	0	2	0	0
4—Bulwell	Bilborough ...	1	0	0	0	0	0
	Strelley ...	0	0	0	0	0	0
	Awsworth ...	18	3	15	0	0	0
	Nuthall ...	0	2	0	0	0	0
	Bestwood Park ...	23	0	0	19	0	0
5—Arnold	Linby ...	4	0	0	0	0	0
	Newstead ...	5	1	0	0	0	0
	Papplewick ...	8	1	0	3	0	0
	Calverton ...	0	0	0	0	0	0
	Woodboro' ...	0	0	0	0	0	0
	Lambley ...	3	0	0	0	0	0
6—Carlton	Burton Joyce ...	22	0	0	14	0	0
	Gedling ...	8	0	1	5	0	0
	Stoke Bardolph ...	0	0	0	0	0	0
	Colwick ...	7	5	2	0	2	0
	Gamston ...	1	0	0	0	0	0
7—Wilford	Ruddington ...	2	0	0	2	0	0
	Bradmore ...	0	0	0	0	0	0
	Bunny ...	0	0	0	0	0	0
	Gotham ...	1	1	0	1	0	0
	Thrumpton ...	1	0	0	0	0	0
	Barton ...	0	0	0	0	0	0
	Clifton-cum-Glapton ...	1	0	0	1	0	0
	Wilford ...	2	0	0	1	0	0
Totals ...		322	62	48	50	6	0

DERBYSHIRE PORTION.

Sub-District.	Parish.	CASES NOTIFIED.			Cases Isolated in the Sanatorium.		
		Scarlet Fever.	Enteric Fever.	Diphtheria.	Scarlet Fever.	Enteric Fever.	Diphtheria.
1. Greasley	Codnor Park ...	2	0	0	0	0	0
2. Ilkeston	Shipley ...	0	0	0	0	0	0
	Totals ..	2	0	0	0	0	0

The following table shows the cases isolated from other Districts.

	District.	Scarlet Fever.	Enteric Fever.	Diphtheria.	Total.
Notts.	Nottingham ...	3	...	...	3
	Hucknall ..	3	1	...	4
	West Bridgford ..	9	...	...	9
	Arnold ...	2	...	...	2
	Whatton ...	1	...	...	1
	Basford Workhouse	6	...	...	6
	Southwell R.D. ...	13	...	...	13
	Carlton ...	1	..	...	1
Derbyshire	The Sanatorium ...	1	1	..	2
	Heanor ...	2	6	...	8
	Total ...	41	8	...	49

THE SANATORIUM.

1901. RURAL DISTRICTS.	Remaining in from 1900.				Admitted in 1901.				Discharged in 1901.				Died in 1901.				Remaining in on Jan. 1st, 1902.				Average No. of days in of cases discharged in 1901.			
	Scarlet Fever.	Enteric Fever.	Diph- theria.	Total.	Scarlet Fever.	Enteric Fever.	Diph- theria.	Total.	Scarlet Fever.	Enteric Fever.	Diph- theria.	Total.	Scarlet Fever.	Enteric Fever.	Diph- theria.	Total.	Scarlet Fever.	Enteric Fever.	Diph- theria.	Total.	Scarlet Fever.	Enteric Fever.	Diph- theria.	Total.
Notts.	7	4	...	11	50	6	...	56	47	7	...	54	1	1	...	2	10	3	...	13	49	62	...	...
Derbyshire	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Urban Districts...	7	3	...	10	41	8	...	49	37	8	...	45	1	2	...	3	9	...	...	9	50	55	...	...
Total	14	7	...	21	91	14	...	105	84	15	...	99	2	3	...	5	19	3	...	22	50	58	...	...

GENERAL.

By far the greater part of the surface of the District is occupied by the Trias, or new red sandstone formation, the two divisions 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.—Over 60 analyses of water were made, chiefly in connection with the parish of Selston, where applications for extensions of mains are constantly being made. There have been extensions to Plain Spot and two streets in Jacksdale, and another to Black Lane is in course of construction. Several parishes in the District are in need of a better water supply, notably Ruddington, which has, unfortunately, been struck out of the Nottingham Corporation Bill.

THE SEWERAGE OF THE DISTRICT.—Steady progress has been made with Kimberley and Newthorpe Outfalls by the laying down of additional filter beds; New Cossall has been economically dealt with, and when secondary filter beds have been added, will be most satisfactory. Several small schemes for dealing with existing nuisances are contemplated; and comprehensive schemes for the sewerage of Burton Joyce, Gedling, and Colwick are being considered.

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, and occasionally night-soil. Portions of the Canal were closed for a time for repairs.

During the past year 66 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.

ELEMENTARY SCHOOLS.—I found it necessary to certify for the following Schools to be closed for the times stated during the year:—

Gotham	...	for Measles and Whooping Cough, for 3 weeks, on Jan. 14.							
Burton Joyce	...	for Scarlet Fever	1	Feb. 18.					
Shipley	...	Measles	3	25.					
Kimberley—									
British Schools (Infts.)	...		3	Mar. 1.					
Board	...		3	1.					
Church	(Infts.)		3	4.					
Calverton	...	Whooping Cough	3	9.					
Selston—									
Dove Green	...	Measles	3	22.					
Bagthorpe	...		3						
Underwood	...		3						
Kimberley Church Schools									
(Infants)	...	(2nd)	3	25.					
Awsworth (Mixed)	...		6	25.					
„ (Infants)	...		6	25.					
Cossall	...		3	April 16.					
Beauvale	...	Scarlet Fever	1	June 1.					
Gilthill (Infants)	...	Measles	2	1.					
Beauvale	...	Measles and Scarlet Fever	4	July 18.					
Annesley	...	Measles	3	Oct. 7.					
Underwood	...		3	Nov. 21.					
Bagthorpe	...		1	Dec. 13.					

WORK DONE.—396 Statutory Notices to abate nuisances have been served during the year, and all but 15 were complied with at its close. In addition many hundred Informal Notices were served either personally or through the post; these and other sanitary matters necessitated the writing and copying of over 2000 letters during 1901. Also 300 letters in connection with New Buildings were sent out, and 916 inspection notices returned, and the premises inspected, some of them as many as four times. Each case of infectious disease has been visited, and a record kept of the sanitary condition of the premises, the milk and water supply, and the action taken to remedy any existing insanitary condition. All complaints, whether anonymous or not, received immediate attention, and in addition to our ordinary visits of inquiry, the District has been regularly and systematically inspected by Mr. Maylan and myself together.

In conclusion, it may appear to you, that a great deal of what I have written regarding certain points in connection with the District might just as well have been left out, in extenuation I will quote from a "Memorandum as to Annual Reports," recently received from the Local Government Board. "With regard to such points it should be remembered that these reports are for the information of the Board, and of the County Council as well as of the Council of the District, and that a statement of the local circumstances and history of local sanitary questions, which may seem superfluous for the latter, may often be needed by the former bodies."



PART II.

THE DERBYSHIRE PORTION OF THE DISTRICT.

The Derbyshire portion of your District now consists of the Parishes of Codnor Park and Shipley, Codnor having been annexed to Heanor as from the 1st of April, 1899.

The following Table shows the Sub-District in which each is placed, with its area, and population according to the Census of 1901.

Sub-District.	Parish included.	Acres.	Inhabited Houses Census 1901.	Population, Census 1891.	Population, Census 1901.
1. Greasley	Codnor Park...	1458	192	1077	933
2. Ilkeston	Shipley ...	2111	124	689	657
	Totals ...	3569	316	1766	1590

Births.—46 births were registered during the year. Their distribution between the parishes was as follows:—

	LEGITIMATE.			ILLEGITIMATE.		
	Male.	Female.		Male.	Female.	Total.
Codnor Park ...	18	15	...	3	2	...
Shipley ...	2	5	...	—	1	...
	20	20		3	3	46

The natural increase was 14 and the birth-rate 28·9 per 1000 living.

Deaths.—The corrected number of deaths is 32. These include 2 deaths of persons belonging to the parishes who died outside the District, but does not include 4 deaths which occurred within the District among persons not belonging thereto.

The Infant Death-rate was 304·3 per 1000 registered births; 437·5 per 1000 deaths; and 8·8 per 1000 living.

Deaths in Public Institutions.—These amounted to 6, viz :— 4 in Ilkeston Hospital, 1 in Basford Workhouse, and 1 in Nottingham General Hospital.

Inquests were held in 8 cases, including 4 in Ilkeston Hospital, Shipley.

The following were returned as causes of death :—

Burns	...	...	...	...	...	2
Drowned	...	...	...	...	...	2
Crushed	...	...	...	...	...	2
Run over	...	...	...	...	...	1
Pericarditis	...	...	...	...	...	1
						8

Zymotic Diseases.—Only one death was registered from the principal Zymotic Diseases in 1901. It was a case of Diarrhœa in an infant at Codnor Park.

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

Scarlet Fever.—Only 2 cases were notified during 1901. These occurred in the southern portion of Codnor Park parish, and were not removed to the Sanatorium.

Disinfection is carried out on the same lines as in the Nottingham portion of the District. Only one house was disinfected.

Measles was prevalent in Shipley in the first quarter of the year and necessitated School-closure for three weeks.

Diarrhœa.—One infant died from this disease at Codnor Park.

The Water Supply of the District is in a fairly satisfactory condition. Codnor Park and part of Shipley are supplied on the constant system from waterworks promoted by private enterprise.

The Sewerage of the District.—At Codnor Park this is not satisfactory, but to make it so would be a most difficult and expensive engineering work, and I am not at present prepared to advise you to consider it. At Shipley, a small scheme for sewerage Shipley Common has been prepared by Mr. Maylan, but is at present postponed. The rest of Shipley is sewerage to three small outfalls, designed by Mr. Sebastian Smith, of Shipley, where the sewage, after sedimentation in a tank, is screened and filtered through coal, and gives a high degree of purification. A peculiarity about these tanks is the thickness of the scum on the top, and the entire absence of smell.

The Scavenging of the District is done privately by the Colliery proprietors, and is satisfactory. The tub-closets, which predominate in the District, are cleaned out weekly, and the refuse disposed of on the land.

The Dairies and Cowsheds of which there are three registered, have been inspected, and found in a satisfactory condition.

I have the honour to be, Gentlemen,

Your obedient Servant,

G. B. WRAY.

115, WATERLOO CRESCENT,

NOTTINGHAM,

February 17th, 1902.

SANITARY AUTHORITY.

PRECAUTIONS TAKEN BY INSPECTOR
AGAINST INFECTIOUS DISEASE,
THE SALE OF ADULTERATED
FOOD AND DRUGS AND UNSOUND
MEAT, AND UNDER THE CANAL
BOATS ACT.

Name of District: comprising the parishes of Codnor Park and Shipley, in the County of Derby (administered by the Rural District Council of Basford).	DRAINAGE.			CLOSETS AND ASPRITS.				Surface of Courts and Yards.							Pigsties.				Smoke nuisance.			Overcrowding.		Foul Condition of Houses.		Totals.	
	No disconnection of Waste Pipe.	Defective Traps, Inlets, and Drains.	Drains obstructed.	Insanitary Privies and Asprits.	Insufficient Closet accommodation.	Conversion of Privies into W.C.'s.	Defective Water Closets.		Urinals defective.	Water Supply.	Offensive accumulations.	Animals improperly kept.															
Informal notices served by In- spector ...	...	2	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
Legal notices served by Authority ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nuisances abated ...	...	2	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
Area : 3,569 Acres.																											
Population (Census 1901) : 1,590.																											
No. of Houses (Census 1901) 316.																											
Name of Inspector : S. MAYLAN. A. WINDERS, Assistant.																											

All infectious diseases notified by
Medical Attendant to M.O.H. and
visited by Inspector and by M.O.H.
when necessary; cases either re-
moved to Isolation Hospital or
isolated at home. Notice sent to
M.O.H. when better or removed to
Hospital, and premises then disin-
fected by Official of the Council.

No action has been necessary *re* food
and drugs.

A Canal Boat Inspector appointed,
and Canal Boats regularly inspected
and reported upon to the Council
and Local Government Board.

DWELLING-HOUSES.										DAIRIES AND COWSHEDS.			BAKEHOUSES.			SLAUGHTER HOUSES.			OFFENSIVE TRADES.			COMMON LODGING HOUSES.			WORKSHOPS.			Total Number of Inspections made.	
Number Inspected.	Informal Notices to Repair Houses.	Number of Houses Reported.	Reported as Unfit for Habitation.	Legal Notices to Close Houses.	Number of Houses Closed.	Number of Infected Houses.	Number Disinfected.	Inspections of Work in Progress.		Number on Register.	Number of Inspec- tions.	Number of Notices served for Infringe- ments of Bye Laws.	Number on Register.	Number of Inspec- tions.	Number of Notices served for Infringe- ments of Bye Laws.	Number on Register.	Number of Inspec- tions.	Number of Notices served for Infringe- ments of Bye Laws.	Number on Register.	Number of Inspec- tions.	Number of Notices served for Infringe- ments of Bye Laws.	Number on Register.	Number of Inspec- tions.	Number of Notices served for Infringe- ments of Bye Laws.	Number on Register.	Number of Inspec- tions.	Number of Notices served for Infringe- ments of Bye Laws.	Number on Register.	
50	.	.	.	...	...	...	...	...	...	3	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	60

Signed, S. MAYLAN.

DERBYSHIRE PORTION.

TABLE I.

FOR WHOLE DISTRICT.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				TOTAL DEATHS IN PUBLIC INSTITUTIONS IN THE DISTRICT.	Deaths of Non-residents registered in Public Institutions in the District.	Deaths of Residents registered in Public Institutions beyond the District.	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		Number	Rate.*	Under 1 Year of Age		At all Ages.					Number	Rate.*
				Number	Rate per 1,000 Births registered.	Number	Rate.*					
1	2	3	4	5	6	7	8	9	10	11	12	13
1897	5753	177	30.7	27	152.5	97	16.8	18	16	2	83	14.4
1898	5790	168	28.9	25	149.4	101	17.4	14	12	2	91	15.7
1899	1745	40	22.9	3	75.0	22	12.6	8	5	3	20	11.4
1900	1743	44	25.2	8	181.8	33	18.9	11	8	3	28	16.0
*Averages for years 1897-1900	...	...	...	...	...	...	...	...	...	...	...	...
1901	1590	46	28.9	14	304.3	33	20.7	5	3	2	32	20.1

* NOTE. - Prior to 1896 the Statistics were not separated from those of the Notts. portion of the Baford Rural District ; and in 1899 Codnor was transferred to Heanor, so that averages are useless.

DERBYSHIRE PORTION.

TABLE II.

NAMES OF LOCALITIES.		1. CODNOR PARK.				2. SHIPLEY.			
YEAR.	Population estimated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	
	<i>a.</i>	<i>b.</i>	<i>c.</i>	<i>d.</i>	<i>a.</i>	<i>b.</i>	<i>c.</i>	<i>d.</i>	
1897 ...	1080	20	24	...	667	16	6	...	
1898 ...	1081	22	18	...	664	16	8	...	
1899 ...	1082	25	12	...	663	15	8	...	
1900 ...	1083	30	17	6	660	14	11	2	
Averages of Years 1897 to 1900	1081	24	17	...	663	15	8	...	
1901 ...	933	38	24	11	657	8	8	3	

DERBYSHIRE PORTION.

TABLE III.

Cases of Infectious Disease notified during the Year 1901.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.						TOTAL CASES NOTIFIED IN EACH LOCALITY.		No. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.	
	At all Ages.	At Ages — Years.					1 CODNOR PARK.	2 SHIPLEY.	1 CODNOR PARK.	2 SHIPLEY.
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.				
Small-pox ...	...	...	...	...	...	...	...	...	...	...
Cholera ...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	...	...	...	...	...	...	...	...	...	...
Membranous Croup ...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...	2	...	1	1	...	...	2	...	...	...
Typhus Fever ...	...	...	...	...	...	...	...	...	...	...
Enteric Fever ...	...	...	...	...	...	...	...	...	...	...
Relapsing Fever ...	...	...	...	...	...	...	...	...	...	...
Continued Fever ...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever ...	...	...	...	...	...	...	...	...	...	...
Plague ...	...	...	...	...	...	...	...	...	...	...
Totals ...	2	...	1	1	...	...	2	...	...	...

DERBYSHIRE PORTION.

TABLE IV.

Causes of, and Ages at, Death during Year 1901.

CAUSES OF DEATH.	DEATHS IN WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN LOCALITIES (AT ALL AGES)		DEATHS IN PUBLIC INSTITUTIONS.
	All ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	CODNOR PARK.	SHIPLEY.	
Small-pox ...	...	...	...	...	...	...	...	...	...	...
Measles ...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...	...	...	...	...	...	...	...	...	...	...
Whooping Cough ...	...	...	...	...	...	...	...	...	...	...
Diphtheria and Membranous Croup ...	...	...	...	...	...	...	...	...	...	...
Croup ...	...	...	...	...	...	...	...	...	...	...
Fever { Typhus ...	...	...	...	...	...	...	...	...	...	...
{ Enteric ...	...	...	...	...	...	...	...	...	...	...
{ Other contnd. ...	...	...	...	...	...	...	...	...	...	...
Epidemic Influenza ...	...	...	...	...	...	...	...	...	...	...
Cholera ...	...	...	...	...	...	...	...	...	...	...
Plague ...	...	...	...	...	...	...	...	...	...	...
Diarrhoea ...	1	1	...	...	...	...	...	...	1	...
Enteritis ...	1	1	...	...	...	...	...	1	...	...
Puerperal Fever ...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	...	...	...	...	...	...	...	...	...	...
Other Septic Diseases ...	...	...	...	...	...	...	...	...	...	...
Phthisis ...	...	...	...	...	...	...	...	...	...	...
Other Tubercular Diseases ...	1	1	...	...	...	...	...	...	1	...
Cancer, Malignant Disease ...	3	...	...	...	...	3	...	1	2	...
Bronchitis ...	4	3	1	...	...	...	...	2	2	...
Pneumonia ...	4	4	...	...	...	...	...	1	3	...
Pleurisy ...	...	...	...	...	...	...	...	...	...	...
Other Diseases of Respiratory Organs ...	...	...	...	...	...	...	...	...	...	...
Alcoholism ...	...	...	...	...	...	...	...	...	...	...
Cirrhosis of Liver ...	...	...	...	...	...	...	...	...	...	...
Venereal Diseases ...	...	...	...	...	...	...	...	...	...	...
Premature Birth ...	2	2	...	...	...	...	...	...	2	...
Diseases and Accidents of Parturition ...	...	...	...	...	...	...	...	...	...	...
Heart Diseases ...	5	...	...	...	...	3	2	1	4	1
Accidents ...	4	...	...	...	...	4	...	4	...	...
Suicides ...	...	...	...	...	...	...	...	...	...	...
Convulsions ...	...	...	...	...	...	...	...	...	...	...
Rheumatic Fever ...	...	...	...	...	...	...	...	...	...	...
All other causes ...	7	2	...	...	...	3	2	2	5	1
All causes ...	32	14	1	...	...	13	4	12	20	2

NOTTS. PORTION.
TABLE I.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				TOTAL DEATHS IN PUBLIC INSTITU- TIONS IN THE District.	Deaths of Non- residents registered in Public Institu- tions in the District.	Deaths of Residents registered in Public Institu- tions beyond the District.	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		Number	Rate.	Under 1 Year of Age		At all Ages.					Number	Rate.
				Number	Rate per 1,000 Births registered	Number	Rate.					
1	2	3	4	5	6	7	8	9	10	11	12	13.
1891	53,627	1988	37.50	285	143.36	837	15.60	32	...	32	869	16.39
1892	52,165	1914	36.69	326	170.03	919	17.61	35	...	35	954	18.28
1893	53,011	2009	37.90	300	149.32	812	15.31	24	...	24	836	15.77
1894	53,872	1808	33.56	251	138.82	678	12.58	26	...	26	704	13.06
1895	54,934	2013	36.64	295	146.54	879	16.00	34	...	34	913	16.62
1896	42,920	1382	32.20	210	151.95	626	14.58	24	...	24	650	15.14
1897	38,330	1143	29.82	164	143.48	588	15.33	15	...	15	603	15.73
1898	38,527	1145	29.74	163	142.35	552	14.32	20	...	20	572	14.87
1899	39,120	1215	31.05	188	154.73	585	14.95	30	...	30	615	15.72
1900	39,651	1172	29.55	195	166.38	585	14.75	35	...	35	613	15.46
Averages for years 1897-1900	38,907	1169	30.04	177	151.73	577	14.84	25	...	25	601	15.44
1901	38,357	1234	32.17	202	163.69	563	14.67	34	...	34	597	15.56

NOTES.—(1) In 1896 Kirkby and Eastwood assumed Urban powers.

(2) In 1897 the District was separated into the Notts. and Derbyshire portions, and it is only since this date that the Statistics are comparable, and an accurate average can be obtained.

(3) At the Census of 1901 the Acreage of the Notts. portion was 62,629; the population, 38,357; number of inhabited houses, 8,118; and average number of persons per house, 4.72. The figures for each Parish in the Notts. portion are given in the Table on page 4 of this Report.

NOTTS. PORTION.
TABLE II.

NAMES OF LOCALITIES	1. GREASLEY.				2. ILKESTON.				3. BEESTON.				4. BULWELL.				5. ARNOLD.				6. CARLTON.				7. WILFORD.			
	Population esti- mated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.
1891 ...	33,649	1367	566	206	1932	67	42	10	654	14	4	2	3015	119	39	15	4426	138	78	18	4667	120	56	14	5284	163	84	20
1892 ...	...	1363	665	244	...	59	40	8	...	15	7	2	...	125	52	20	...	62	31	9	...	...	...	...	...	138	85	18
1893 ...	35,220	1465	586	225	2080	72	18	9	641	14	10	1	3113	114	30	9	4397	140	64	20	2331	58	28	6	5229	146	100	30
1894 ...	35,961	1327	470	187	2150	66	31	8	635	7	2	1	3158	111	54	19	4356	137	67	21	2408	44	25	4	5204	116	55	11
1895 ...	31,901	1313	537	198	1549	51	13	2	630	16	8	1	3204	104	53	22	4342	157	84	25	2489	45	32	6	5181	146	98	19
1896* ...	19,722	717	289	105	1545	44	30	12	624	6	10	1	3263	97	47	22	4365	145	69	21	2494	45	33	4	5167	148	76	16
1897* ...	20,730	663	311	99	1603	44	25	8	618	10	8	1	3293	105	47	15	4351	126	95	18	2575	59	34	5	5160	136	83	18
1898 ...	20,558	677	290	99	1609	44	25	7	613	10	11	2	3275	101	50	20	4345	126	76	14	2897	49	25	5	5130	138	95	16
1899 ...	20,969	725	340	118	1608	43	22	4	606	8	9	3	3375	117	51	21	4333	118	78	24	3009	62	25	3	5220	142	90	15
1900 ...	21,390	703	326	121	1600	45	17	4	600	7	6	1	3316	91	41	16	4315	121	91	16	3160	66	33	6	5270	139	99	24
Averages of Years 1897 to 1900	20,912	692	317	134	1605	44	22	6	609	9	8	2	3315	103	47	18	4336	123	85	18	2910	59	29	5	5195	139	92	18
1901 ...	20,624	769	343	141	1377	40	19	8	541	13	6	1	3178	99	39	12	4416	106	53	11	2914	82	44	9	5307	125	93	20

* Notes.—See Notes to Table I.

NOTTS. PORTION.

TABLE III.

Cases of Infectious Disease notified during the Year 1901.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.							TOTAL CASES NOTIFIED IN EACH LOCALITY.							No. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.						
	At all Ages.	At Ages—Years.						GREASELEY.	ILKESTON.	BERSTON.	BULWELL.	ARNOLD.	CARLTON.	WILFORD.	GREASELEY.	ILKESTON.	BERSTON.	BULWELL.	ARNOLD.	CARLTON.	WILFORD.
		Under 1.	1 to 3.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.														
Small-pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria	...	...	12	18	11	7	...	29	1	...	15	...	...	...	...	...	...	...	...	...	...
Membranous Croup	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	...	...	...	5	6	30	7	32	2	...	7	3	2	2	...	...	...	...	...	...	...
Scarlet Fever	...	6	92	182	32	10	...	211	...	4	42	20	38	7	2	...	2	19	3	19	5
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever	...	...	3	9	19	31	...	49	...	...	5	2	...	1	4	...	...	...	...	2	...
Relapsing Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	...481	6	107	214	68	79	7	322	3	4	69	25	48	10	6	...	2	19	3	21	5

NOTTS. PORTION.

TABLE IV.

Causes of, and ages at, Death during Year 1901.

CAUSES OF DEATH.	DEATHS IN OR BELONGING TO WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN OR BELONGING TO LOCALITIES (AT ALL AGES).							TOTAL DEATHS IN PUBLIC INSTITUTIONS IN THE DISTRICT
	All ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	GREASLEY.	ILKESTON.	BEESTON.	BULWELL.	ARNOLD.	CARLTON.	WILFORD.	
Small-pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	17	6	11	...	...	...	...	15	1	...	1	...	...	...	...
Scarlet Fever ...	5	...	3	2	...	...	...	2	...	...	1	1	1	...	1
Whooping Cough ..	7	2	5	...	...	...	...	5	...	...	1	1	...	...	...
Diphtheria and Mem- branous Croup ..	9	..	5	3	1	...	...	7	...	...	1	...	1	...	...
Croup	1	..	1	...	...	...	...	1	...	...	...	...	...	...	...
Fever { Typhus ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
{ Enteric ..	5	...	...	1	1	3	...	3	...	...	...	...	1	1	1
{ Other contd. ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Epidemic Influenza ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhœa	31	23	5	...	...	...	3	22	2	...	1	1	5	...	...
Enteritis	14	11	3	...	...	...	...	9	...	...	2	...	1	2	...
Puerperal Fever ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	1	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Other Septic Diseases ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Phthisis	26	...	..	1	9	15	1	10	4	...	...	2	2	8	2
Other Tubercular Diseases	19	8	7	1	..	3	...	13	...	...	...	4	1	1	...
Cancer, Malignant Diseases	21	...	...	...	...	14	7	11	...	1	...	3	1	5	1
Bronchitis	63	24	10	...	...	10	19	36	2	1	1	12	2	9	...
Pneumonia	43	14	18	...	2	4	5	26	2	..	5	2	3	5	1
Pleurisy	1	...	...	1	...	...	...	1	...	...	...	...	...	...	...
Other Diseases of Respiratory Organs ..	2	..	...	...	..	2	...	...	...	...	...	2	...	...	1
Alcoholism	...	...	...	...	...	5	1	2	...	...	1	...	1	2	1
Cirrhosis of Liver } ..	6	...	...	...	...	5	1	2	...	...	1	...	1	2	1
Venereal Diseases ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Premature Birth ..	36	36	...	...	...	...	...	24	1	1	1	3	1	5	...
Diseases and Accidents of Parturition	5	...	...	...	..	5	...	1	...	...	...	...	2	2	...
Heart Diseases... ..	82	...	...	2	3	36	41	40	1	1	6	11	3	20	9
Accidents	17	2	3	3	1	7	1	8	2	...	3	...	3	1	1
Suicides	4	...	...	...	...	2	2	1	..	1	...	2	...	...	1
All other causes ..	182	76	11	4	6	36	49	105	4	1	15	9	16	32	15
 All causes	 597	 202	 82	 18	 23	 143	 129	 343	 19	 6	 39	 53	 44	 93	 34

Deaths Registered from all Causes during the Year 1901.

	AGES.											Totals.
	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	75 to 85	85 & upwds	
II.—PARASITIC DISEASES.												
Thrush, and other Vegetable Parasitic Diseases	...	...	...	..	..	...	...	...	...	...	...	...
Worms, Hydatids, and other Animal Parasitic Diseases	...	..	...	...	1	...	...	...	...	...	...	1
III.—DIETIC DISEASES.												
Want of Breast Milk, Starvation	...	...	...	..	...	...	...	...	...	...	...	...
Scurvy	...	..	...	...	...	...	...	...	...	...	...	...
Chronic Alcoholism	...	...	...	...	...	...	...	...	...	...	...	...
Delirium Tremens	...	...	...	...	...	...	...	...	...	...	...	...
IV.—CONSTITUTIONAL DISEASES												
Rheumatic Fever, Rheumatism of the Heart	..	...	1	...	1	...	...	...	...	...	...	2
Rheumatism	...	...	...	...	...	...	...	...	...	...	...	...
Gout	...	...	...	...	...	1	...	...	...	...	...	1
Rickets	...	3	...	...	...	...	...	...	...	...	...	3
Cancer, Malignant Disease	...	...	...	...	...	3	5	6	6	...	1	21
Tabes Mesenterica	...	1	...	...	...	...	...	...	...	...	...	1
Tubercular Meningitis, Hydrocephalus	4	5	1	...	...	...	...	...	...	...	...	10
Phthisis	...	...	1	9	5	7	1	2	1	...	...	26
Other forms of Tuberculosis, Scrofula	4	1	...	...	1	2	...	...	...	...	...	8
Purpura, Hæmorrhagic Diathesis	...	...	1	...	...	...	...	...	...	...	...	1
Anæmia, Chlorosis, Leucocythæmia	...	...	...	...	...	...	1	...	...	...	...	1
Glycosuria, Diabetes Mellitus	...	...	...	...	3	...	2	3	...	...	...	8
Other Constitutional Diseases	...	...	...	...	...	...	...	...	...	...	...	...
V.—DEVELOPMENTAL DISEASES.												
Premature Birth	36	...	...	...	...	...	...	...	...	...	...	36
Atelectasis	1	...	...	...	...	...	...	...	...	...	...	1
Congenital Malformations	9	...	...	...	...	...	...	...	...	...	...	9
Old Age	...	...	...	...	...	...	...	1	14	7	...	22
VI.—LOCAL DISEASES.												
1.—DISEASES OF NERVOUS SYSTEM.												
Inflammation of Brain or Membranes	3	1	...	...	...	...	...	...	...	...	...	4
Apoplexy, Softening of Brain, Hemiplegia, Brain Paralysis	...	...	...	1	...	...	2	7	12	5	1	28
Insanity, General Paralysis of the Insane	...	...	...	...	...	...	1	...	...	1	...	2
Epilepsy	...	...	1	1	...	...	...	...	...	...	...	2
Convulsions	15	4	...	...	...	...	...	...	...	...	...	19
Laryngismus Stridulus (Spasm of Glottis)	...	...	...	...	...	...	...	...	...	...	...	...
Disease of Spinal Cord, Paraplegia, Paralysis Agitans	..	..	...	...	1	...	...	...	...	...	...	1
Other Diseases of Nervous System	...	...	...	...	...	1	...	...	...	...	...	1
2.—DISEASES OF ORGANS OF SPECIAL SENSE.												
(e.g., of Ear, Eye, Nose)	...	...	...	1	...	...	...	...	...	...	...	1

Deaths Registered from all Causes during the Year 1901.

	AGES.												
	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	75 to 85	85 & up- wards.	TOTAL.	
3.—DISEASES OF CIRCULATORY SYSTEM.													
Pericarditis	...	...	...	...	...	...	...	...	...	...	...	...	
Acute Endocarditis	...	...	...	...	...	...	...	...	...	...	...	...	
Valvular Diseases of Heart	...	...	2	2	3	2	1	7	4	6	...	27	
Other Diseases of Heart	...	...	...	1	2	5	5	11	21	7	3	55	
Aneurism	...	...	...	...	...	...	...	...	1	...	...	1	
Embolism, Thrombosis	...	...	...	...	1	...	1	...	...	1	...	3	
Other Diseases of Blood Vessels	...	...	...	...	...	...	...	...	...	...	...	...	
4.—DISEASES OF RESPIRATORY SYSTEM.													
Laryngitis	1	...	...	...	...	...	...	...	...	...	...	1	
Croup	...	1	...	...	...	...	...	...	...	...	...	1	
Emphysema, Asthma	...	...	...	...	...	...	...	...	...	...	...	...	
Bronchitis	24	11	...	...	...	...	3	7	7	11	...	63	
Pneumonia.....	13	18	...	2	2	...	...	2	2	4	...	43	
Pleurisy	...	...	1	...	...	...	...	...	...	...	...	1	
Other Diseases of Respiratory System..	...	...	...	...	...	1	1	...	...	...	...	2	
5.—DISEASES OF DIGESTIVE SYSTEM.													
Dentition	3	...	...	...	...	...	...	...	...	...	...	3	
Sore Throat, Quinsy	...	...	...	...	...	...	...	...	...	...	...	...	
Diseases of Stomach	...	...	...	1	...	...	1	...	...	...	...	2	
Enteritis.....	11	3	...	...	...	...	...	...	...	...	...	14	
Obstructive Diseases of Intestine.....	2	...	...	...	2	...	2	1	1	1	...	9	
Peritonitis	...	...	...	...	...	1	...	...	...	...	...	1	
Ascites	...	...	...	...	...	...	...	...	...	...	...	...	
Cirrhosis of Liver	...	...	...	...	1	1	2	1	1	...	...	6	
Jaundice and other Diseases of Liver..	...	...	...	...	...	...	...	...	...	...	...	...	
Other Diseases of Digestive System....	1	...	...	1	...	...	...	...	1	...	...	3	
6.—DISEASES OF LYMPHATIC SYSTEM. (<i>e.g.</i> , of Lymphatics and of Spleen) ..													
7.—DISEASES OF GLAND-LIKE ORGANS OF UNCERTAIN USE. (<i>e.g.</i> , Bronchocele, Addison's Disease)													
8.—DISEASES OF URINARY SYSTEM.													
Nephritis	...	...	1	...	...	...	1	...	1	...	...	3	
Bright's Disease, Albuminuria	...	...	...	...	...	...	...	...	1	...	...	1	
Disease of Bladder or of Prostate	...	...	...	...	...	...	...	...	...	1	...	1	
Other Diseases of the Urinary System..	...	...	...	...	...	1	...	1	...	...	...	2	
9.—DISEASES OF REPRODUCTIVE SYSTEM.													
A. Of Organs of Generation.													
Male Organs	...	...	...	...	...	...	...	...	...	...	...	...	
Female Organs	...	...	...	1	...	...	...	...	...	...	...	1	
B. Of Parturition.													
Abortion, Miscarriage	...	...	...	...	...	...	...	...	...	...	...	...	
Puerperal Convulsions.....	...	...	...	...	...	...	...	...	...	...	...	...	
Placenta prævia, Flooding.....	...	...	...	...	...	1	...	...	...	...	...	1	
Other Accidents of Child Birth	...	...	...	...	3	1	...	...	...	...	...	4	

NOTTS. PORTION.

TABLE VI.

Showing the number of Deaths at all ages in 1901 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 }	74	1·93	123·93
2. Pulmonary Dis- } eases, other than } Phthisis }	111	2·89	185·92
3. Principal Tuber- } cular Diseases... }	35	·91	58·62
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...	76	61·58	376·23
5. Convulsive Diseases	25	20·25	143·76

Note.—1. Includes Small Pox, Scarlet Fever, Diphtheria, Typhus, Enteric and Simple Continued Fevers, Whooping Cough, Measles, and Diarrhœa.

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.

THE SUB-DISTRICTS.

NOTTS. PORTION.

Birth and Death
Rates of Sub-
districts.

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.

Sub-Districts.	Estimated Population.	Birth Rate.					Death Rate.					Infant Death Rate.										Zymotic Death Rate.				
		Per 1000 Births.					Per 1000 Deaths.					Per 1000 Births.										Per 1000 Deaths.				
		1901.	1900.	1899.	1898.	1897.	1901.	1900.	1899.	1898.	1897.	1901.	1900.	1899.	1898.	1897.	1901.	1900.	1899.	1898.	1897.	1901.	1900.	1899.	1898.	1897.
Greasley	20624	37.3	32.8	34.5	32.9	31.9	16.6	15.2	16.1	14.1	15.0	411.0	371.1	349.1	341.3	318.3	183.3	172.1	162.7	146.2	149.3	2.6	1.6	1.3	1.4	1.8
Ilkeston	1377	29.0	28.1	26.7	27.3	27.4	13.8	10.6	13.6	15.5	15.5	421.0	352.9	181.8	280.0	320.0	200.0	133.3	93.0	159.0	181.8	2.1	1.8	0.0	1.8	1.2
Beeston	541	24.0	11.6	13.2	16.3	16.1	11.0	10.0	14.8	17.9	12.9	166.6	166.6	333.3	181.8	125.0	76.9	142.8	375.0	200.0	100.0	0.0	0.0	0.0	0.0	0.0
Bulwell	3178	31.1	27.4	34.6	29.9	31.8	12.2	12.3	14.8	14.8	14.2	307.6	390.2	420.0	400.0	319.1	121.2	175.8	179.4	198.0	142.8	1.5	0.6	3.5	2.0	1.2
Arnold	4416	24.0	28.0	27.2	29.0	28.9	12.0	21.0	17.5	17.4	21.8	207.5	197.8	315.7	184.2	189.4	103.7	148.7	203.3	111.1	142.8	0.6	1.1	1.6	1.6	3.9
Carlton	2914	28.1	20.8	20.6	16.8	22.9	15.1	9.8	7.9	8.6	13.2	204.5	193.5	125.0	200.0	147.0	109.7	90.9	48.3	102.0	84.7	2.7	0.6	0.6	0.0	1.5
Wilford	5307	23.5	26.3	27.2	26.9	26.3	17.5	18.7	17.2	18.3	16.0	215.0	242.4	166.6	168.4	216.8	160.0	172.6	105.6	116.0	132.3	0.1	0.5	1.3	0.9	0.9

RAINFALL REGISTERS, 1901.

Month.	Total Depth. Inches.	Greatest Fall in 24 hours. Depth.	Date.	Number of Days on which .01 or more rain fell.	Month.	Total Depth. Inches.	Greatest Fall in 24 hours. Depth.	Date.	Number of Days on which .01 or more rain fell.
January -	1.53	.33	19th	17	January -	1.34	.31	19th	12
February	1.30	.34	26th	15	February	1.14	.27	26th	13
March -	2.20	.44	19th	17	March -	1.79	.32	19th	17
April -	1.45	.24	8th	15	April -	1.20	.31	3rd	13
May -	.93	.33	8th	10	May -	.88	.26	8th	9
June -	1.76	.62	30th	12	June -	1.66	.69	30th	11
July -	3.50	1.53	24th	9	July -	4.24	1.38	25th	9
August -	1.20	.31	14th	12	August -	1.10	.37	14th	13
September	1.05	.32	16th	9	September	1.20	.46	16th	8
October -	1.67	.39	24th	16	October -	1.47	.35	24th	14
November	1.77	.88	11th	12	November	2.04	1.10	11th	14
December	5.76	1.93	12th	19	December	5.28	1.53	12th	19
TOTAL -	25.95			177	TOTAL -	23.34			152
Beeston Fields, Nottingham. Gauge above ground, 9 in. ; diameter, 5 in. ; above sea level, 206 ft. <i>George Fellows</i>					Strelley Hall, Nottingham. Gauge above ground, 12 in. ; gauge, 5 in. ; above sea level 375 ft. <i>Thomas L. K. Edge</i>				
January -	1.81	0.42	19th	12	January -	1.17	.30	26th	11
February	1.60	0.36	2nd	12	February	.95	.19	4th	13
March -	2.62	0.47	31st	19	March -	1.92	.44	30th	17
April -	1.48	0.34	8th	13	April -	1.31	.33	3rd	12
May -	0.98	0.26	8th	8	May -	.71	.30	25th	6
June -	1.82	0.79	30th	12	June -	1.59	.65	30th	9
July -	5.00	1.54	25th	10	July -	3.32	1.12	24th	7
August -	1.82	0.52	15th	12	August -	1.38	.27	14th	9
September	1.51	0.60	16th	8	September	.88	.18	8th	9
October -	1.90	0.38	24th	13	October -	1.48	.34	24th	16
November	2.69	1.05	12th	10	November	1.69	.82	11th	13
December	5.94	1.01	12th	18	December	4.64	1.25	12th	18
TOTAL -	29.17			147	TOTAL -	21.04	6.19		140
The Colliery, Eastwood, Notts. Gauge above ground, 12 in. ; above sea level 245 ft. <i>Ed. Lindley.</i>					Corporation Farm, Stoke Bardolph, Notts. Gauge above ground, 10 ft. ; above sea level, 83 ft. 5 in. <i>A. A. Avis.</i>				
January -	1.55	.47	19th	14	January -	1.59	.40	19th	12
February	1.69	.31	2 & 26	14	February	.79	.23	5th	11
March -	1.92	.32	29th	17	March -	1.46	.21	1st	13
April -	1.33	.29	8th	15	April -	1.53	.28	8th	14
May -	.89	.24	8th	8	May -	1.08	.46	29th	6
June -	1.95	1.06	30th	11	June -	2.21	.80	30th	11
July -	3.83	1.32	25th	9	July -	5.13	1.16	24th	13
August -	1.45	.41	14th	12	August -	.68	.30	26th	6
September	1.49	.77	16th	8	September	1.38	.53	16th	9
October -	1.58	.30	24th	14	October -	1.60	.58	5th	11
November	2.69	1.18	11th	12	November	2.75	1.23	12th	10
December	6.34	1.64	12th	22	December	5.32	.87	12th	17
TOTAL -	26.71			136	TOTAL -	25.52			133
Selston Pumping Station, Kirkby. Gauge above ground, 1 ft. ; above sea level, 475 ft. <i>G. I. Fletcher.</i>					Cross Hill, Codnor, Derbyshire. Gauge above sea level, 371.8 ft. ; above ground, 1 ft. <i>A. F. Pine.</i>				

Abstract of Observations at Hodsock Priory, during 1901.

MONTHS.	TEMPERATURE										RAINFALL					SUNSHINE		CLOUD	BAROMETER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	MEAN DAILY.					Lowest on grass	No. of frosts.		At 9 a.m.				Total	Diff. from Average	Greatest fall	Date	No. of rainy days		Total	Diff. from Average	Mean Amount	Relative humidity 9 a.m.	Mean	Diff. from Average																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	Max.	Min.	Range	Mean	Diff. from Aver- age		In screen	Lowest in screen	Highest in screen	Lowest in screen	Air	Soil at 1 foot													Soil at 2 feet	Soil at 4 feet																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
						Deg.							Deg.	Deg.	Deg.	Deg.	Deg.		Deg.	Deg.	Deg.	Deg.	Deg.	Deg.			Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.

NOTES TO ABOVE TABLE.

Height above Mean Sea Level, 56 feet.

The instruments used have all been verified at Kew, the thermometers are exposed in a "Stevenson" screen.

A "rainy day" is one on which at least .01 falls.

The sunshine recorder is of the Campbell Stokes pattern.

The amount of cloud is the mean of observations at 9 a.m. and 9 p.m., on a scale of 0—10, 10 representing an overcast sky.

Relative Humidity, 100 represents complete saturation.

Barometer, mean of readings at 9 a.m. and 9 p.m., corrected and reduced to 32° and mean sea level.

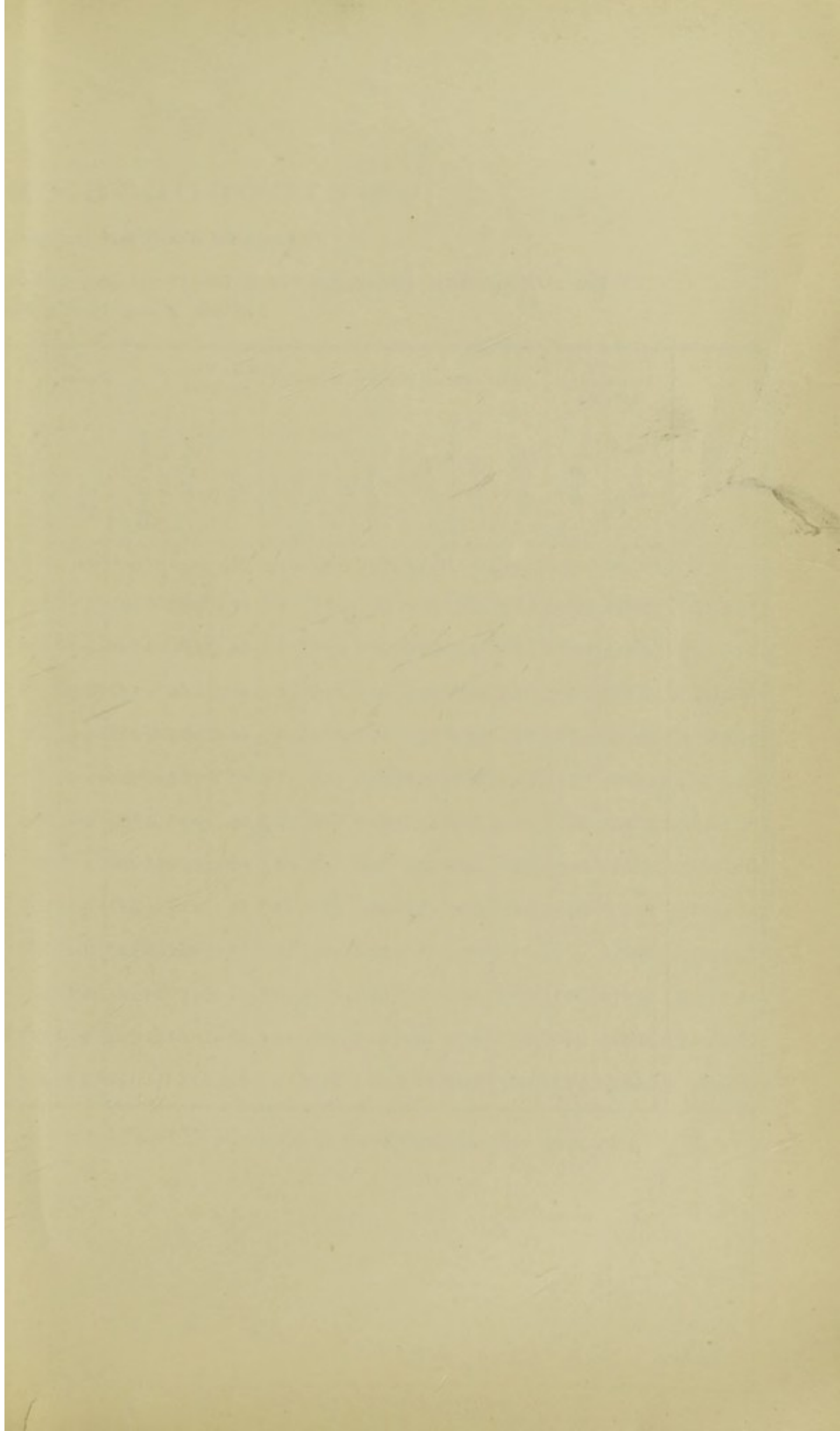
The highest reading of the barometer during the year was 30.649, on November 24.

The lowest reading of the barometer during the year was 28.723, on December 25.

The highest temperature of the soil at a depth of 1 foot was 66.1, at a depth of 2 feet 62.9, and at a depth of 4 feet 59.3.

The lowest temperature of the soil at a depth of 1 foot was 34.9, at a depth of 2 feet 36.9, and at a depth of 4 feet 39.9.

There were 81 days on which no sunshine was recorded, and 97 days on which it shone for at least half the time it was above the horizon.



METEOROLOGICAL

(As supplied Weekly and Monthly to the

Taken at Nottingham, at a Station 214·32 feet above mean or half tide

Latitude 52 deg. 57 min. North :

Month.	Pressure of Atmosphere in Month.		Temperature of Air in Month.							Mean Temperature.		Vapour.			Mean degree of Humidity Saturation=100.
	Mean.	Range.	Highest.	Lowest.	Range.	Mean.			Air.	Dew Point.	Elastic Force.	In a cubic foot of Air.		Mean.	Short of Saturation.
						Of all Highest.	Of all Lowest.	Daily Range.							
1901.	Inches.	Inches	Degs.	Degs.	Degs.	Degs.	Degs.	Degs.	Deg.	Degs.	Ins.	Gns.	Gns.		
Jan. ...	29·996	1·393	51·2	26·2	25·0	41·2	32·3	8·9	37·0	33·9	0·195	2·2	0·4	89	
Feb. ...	30·031	1·405	48·3	18·4	29·9	39·4	30·4	5·0	35·1	32·3	0·183	2·1	0·3	89	
March ...	29·732	1·506	53·2	20·8	32·4	43·3	32·0	11·3	38·1	33·9	0·194	2·2	0·5	85	
April ...	29·782	0·852	74·1	32·0	42·1	54·0	37·8	16·2	46·5	36·3	0·215	2·5	1·2	69	
May ...	30·084	1·217	76·3	33·0	43·3	59·3	41·7	17·6	50·7	41·3	0·260	3·0	1·2	71	
June ...	30·007	0·898	76·2	36·2	40·0	63·9	46·4	17·5	55·6	45·3	0·302	3·4	1·6	68	
July ...	29·986	0·691	87·9	43·7	44·2	71·0	54·2	16·8	62·8	54·3	0·422	4·7	1·7	74	
Aug. ...	29·989	1·182	84·7	43·1	41·6	68·1	50·9	17·2	59·5	50·4	0·367	4·1	1·6	72	
Sept. ...	29·882	·842	71·2	39·9	31·3	63·0	49·0	14·0	56·0	49·6	0·357	4·0	1·0	79	
Oct. ...	29·876	1·317	67·5	30·8	36·7	54·2	40·6	13·6	47·4	41·7	0·264	3·1	0·7	81	
Nov. ...	30·124	1·602	54·8	18·4	36·4	44·3	33·4	10·9	38·4	34·6	0·201	2·3	0·4	87	
Dec. ...	29·585	1·656	53·5	11·9	41·6	40·9	31·4	9·5	36·5	33·1	0·189	2·2	0·4	88	

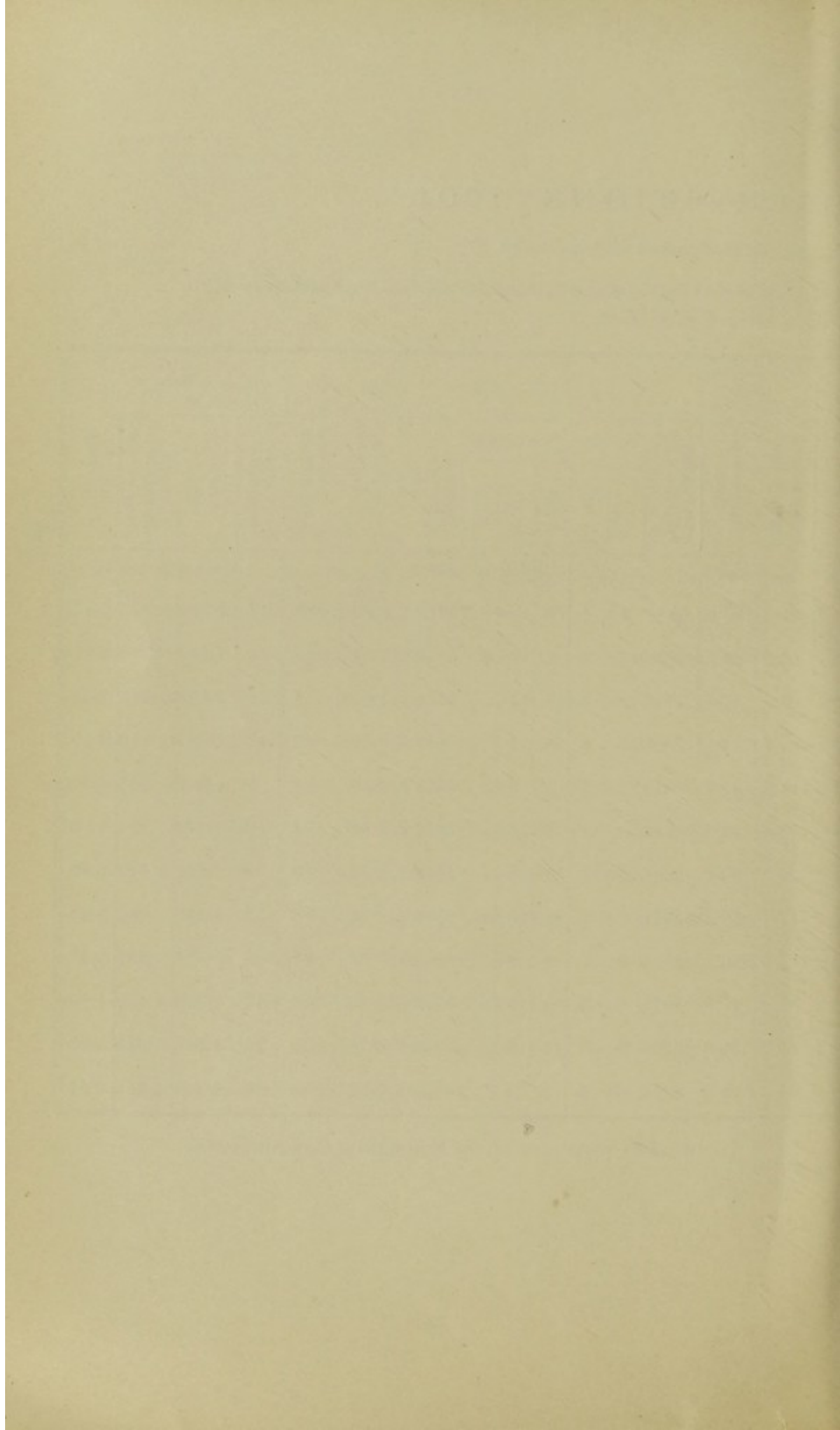
OBSERVATIONS, 1901.

*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.

Mean Weight of a cubic foot of Air.	Mean Reading of Thermometer.		Wind.							Mean amount of Ozone. 0 to 10	Mean amount of Cloud. 0 to 10	Rain.			
	Maximum in Rays of Sun.	Minimum on Grass.	Mean daily Pressure in lbs. per square foot.	Relative proportion of					Horizontal movement of Air.			No. of days .010 or more fell.	Amount collected	Amount collected, 76 feet above ground.	Evaporation.
				N	E	S	W	Calm.							
Gns.	Deg.	Deg.							Miles.				Inches	Inches	Inches
555.1	60.3	30.6	.5183	1	5	12	13	...	8610.4	0.39	8.3	12	1.129	.833	0.823
558.1	66.9	28.6	.2625	12	2	2	12	...	5039.1	0.11	8.3	10	1.005	.890	0.778
549.1	81.8	30.7	.7143	14	3	3	11	...	9070.0	1.03	7.4	16	2.098	1.664	2.349
540.8	102.1	34.1	.7032	8	5	5	12	...	7669.7	0.40	6.1	15	1.356	1.113	3.741
541.6	111.6	39.0	.4515	20	1	1	9	...	5928.1	0.10	5.3	9	.927	.802	4.909
534.8	118.6	43.6	.4714	8	4	5	13	...	6821.2	0.40	5.5	10	.972	.904	4.261
526.4	120.0	52.7	.3206	10	11	4	6	...	4566.6	0.30	4.8	9	3.251	2.889	5.959
530.2	117.1	49.3	.5577	1	7	8	15	...	6395.1	0.42	5.6	12	1.243	.991	4.143
531.8	104.5	46.1	.5705	9	7	5	9	...	6009.7	0.07	7.1	6	.864	.682	2.574
541.5	85.6	40.5	.3975	3	5	5	18	...	5669.3	0.22	7.5	17	1.780	1.593	1.606
556.1	62.2	32.6	.4225	9	4	1	16	...	6739.0	0.30	7.0	11	1.669	1.391	1.004
547.9	58.0	28.4	.6212	4	1	2	24	...	8636.5	0.00	7.4	17	4.144	3.235	0.512

* Published by permission of the Nottingham City Authorities.



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