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Repton Rural District Council.

Annual Report

of the

Medical Officer of Health

for the

Year 1905.

Presented to the Repton Rural District Council on the 1st March, 1906, and ordered to be printed.

C. F. CHAMBERLIN,
Clerk.

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Repton Rural District Council.

ETWALL, DERBY,
February 1st, 1906.

To the Chairman and Members of
the Repton Rural District Council.

GENTLEMEN,

I will preface the detailed information to be found in this, my eleventh Annual Report, by a brief summary of the more important features of the past year.

There has been a decided increase in the number of cases of notfiable infectious diseases. In the year 1904 there were 103, last year 187. But this increase was largely made up of 58 cases of Chicken-pox, instead of 19 as in the previous year. Scarlet Fever showed an increase of 17; *i.e.*, there were 89 such cases against 72 in 1904. The most remarkable feature of the year was the great increase of Diphtheria; in 1904 only 3 were notified, last year there were 29, with 7 deaths. Measles broke out in several parts of the district, but there were no deaths from it.

It appears very likely that several Sewage schemes that have been under consideration during the past few years will be carried out during the present year—1906. Repton, Linton, Scropton, Coton-in-the-Elms, Findern, Etwall, Mickleover, and Castle Gresley have all either complete or partial schemes, or extensions of present ones, waiting to be carried out.

To the Isolation Hospital at Etwall there were removed 76 cases of Scarlet Fever and 5 cases of Diphtheria belonging to this district. We also had 2 cases of Diphtheria from the Ashbourne District, and one of Scarlet Fever from Derby.

The Buildings Committee had under consideration a large number of plans of new dwelling-houses and other buildings.

Several analyses of well-water were made.

Leaflets on the "Care and Feeding of Infants," "Summer Diarrhœa," "Measles," and hanging cards on the "Prevention of Consumption," have been distributed in the district.

Upon the outbreak of infectious disease the whole of the children in several schools were carefully examined.

Inspections were made under the Factory and Workshops Act.

Appended to this Report will be seen that of the Sanitary Inspector. This will show the large amount of necessary and useful work he has done during the year.

Eight Statistical Tables will be found at the end of this Report. Another was added by the Local Government Board this year dealing with Infantile Mortality.

Statistics of Births and Deaths.

Area of District in acres—52,280.

Population in	1882	14,149
,,	1892	14,562
,,	1901	15,277
,,	Estimated to middle of 1905	15,810

Number of Births during the year—Males	...	204
Females	...	187
Total	...	391

Birth-rate per 1000 of estimated population—24·0

	Births.	Estimated Population.
In the Repton Sub-registration District	141	7,350
,, Gresley ,, ,,	131	3,998
,, Tutbury ,, ,,	119	3,694
	391	15,042
County Asylum	...	768
		15,810

The Birth-rate last year was lower than in any of the preceding ten years. The Birth-rate of 24·0 per thousand is calculated upon the *total* population, but if the 768 residents in the County Asylum were excluded, we should have a Birth-rate of 25·9.

Number of Deaths during the year—Males ...	189
Females ...	124
Total ...	313
In the County Asylum	116
,, Repton Sub-registration District ...	70
,, Gresley ,, ,, ...	73
,, Tutbury ,, ,, ...	52
,, Isolation Hospital, Etwall	2
Total Deaths of persons occurring in this District, and of those outside it, but belonging to it ...	313

The Death-rate for the whole District was 19·1. The nett Death-rate, or deaths of persons belonging to this District only, was 12·4. It should be noted that more than one-third of the total deaths occurred in the County Asylum.

Infantile Death-rate—130 4.

The Local Government Board now require an Infantile Mortality Table (Table V) to be made out. This table shows the number and causes of deaths of infants under one year. It will be

seen from it that out of the 52 deaths, 10 were due to Bronchitis, 10 to Marasmus, 8 to Premature Birth, 3 to Suffocation, and 2 deaths to each of the following diseases:—Scarlet Fever, Whooping Cough, and Enteritis. The rate of 130·4 is much higher than usual in our District, but as 16 of the deaths were not due to disease of any kind, the apparently high rate is somewhat misleading.

				Births.
In the Repton Sub-registration District there were			12 out of	141
,,	Gresley	,, ,,	26 ,,	131
,,	Tutbury	,, ,,	13 ,,	119
,,	Isolation Hospital, Etwall		1	
			52	391

With an increase of eight more births in the Tutbury District there was more than double the number of deaths compared with the previous year. In the Repton and Gresley Districts there was an increase of one death only, but as the births were fewer in both these districts, the Death-rate was raised.

Deaths between different ages compared with the two previous years—

	1905	1904	1903
Number under 1 year	52	45	38
,, between 1 and 5 years ...	11	19	11
,, ,, 5 and 15 years ..	8	11	5
,, ,, 15 and 25 years ...	15	9	12
,, ,, 25 and 65 years ...	142	121	115
,, 65 and upwards... ...	85	101	78
	313	306	259

As before mentioned there was a considerable increase in the number of deaths under one year compared with the two previous years, a slight increase between 15 and 25 years of age, and a very considerable increase between the ages of 25 and 65.

DETAILED CAUSES OF DEATH compared with two previous years:

	1905.	1904.	1903
Measles	0	0	1
Scarlet Fever	3	0	0
Whooping Cough	3	4	1
Diphtheria and Membranous Croup ...	7	0	2
Enteric or Typhoid Fever	1	1	1
Epidemic Influenza	2	4	4
Diarrhœa and Dysentery	3	7	2
Enteritis	2	1	5
Phthisis	43	52	31
Puerperal Fever	0	1	1
Diseases and Accidents of Parturition ...	2	4	0
Erysipelas	0	1	1
Other Septic Diseases	2	0	0
Tubercular Diseases (other than Phthisis) ...	5	2	2
Cancer	12	14	14
Bronchitis	31	38	28
Pneumonia	29	29	24
Pleurisy	0	0	0
Other Diseases of the Respiratory Organs ...	0	0	0
Heart Diseases	29	48	34
Accidents	12	7	8
Suicides	3	3	5
Alcoholism and Cirrhosis of the Liver ...	3	8	7
Premature Birth	8	4	5
All other Causes	113	78	83
Totals ...	313	306	259

Zymotic Death Rate, 1·7 per 1000.

Smallpox, Measles, Scarlet Fever, Whooping Cough, Diphtheria and Membranous Croup, Enteric Fever, and Diarrhœa are considered to be the principal Zymotic diseases. There was a total of 17 such diseases; 7 from Diphtheria and Membranous Croup, 3 from Scarlet Fever, 3 from Whooping Cough, 1 from Enteric Fever, and 3 from Diarrhœa.

BIRTH-RATES AND DEATH-RATES and DEATHS from the Seven chief EPIDEMIC DISEASES and INFANTILE MORTALITY in 76 Great Towns and 75 Smaller Towns compared with those in this District during the year 1905.

1905	Annual Rates per 1000 living.			Infant Mortality
	Births.	Deaths from all Causes.	Deaths from Seven Principal Epidemic Diseases.	Annual Death-rate of Infants under 1 year per 1000 births.
76 Great Towns ...	28·2	15·7	1·88	140
75 Smaller Towns ...	28·6	15·8	1·96	143
Repton Rural District ...	24·0	*19·1	1·7	130·4

* This includes the County Asylum; the corrected rate being 12·4.

Statistics of Rural England and Wales were not available at the time of making this Report.

Notification of Infectious Diseases.

No less than 185 cases of notifiable infectious disease were reported during the year. There were (as will be seen in Table III) 87 of Scarlet Fever, 58 of Chicken-pox, 29 of Diphtheria, 8 of Erysipelas, 2 of Puerperal Fever, and 1 of Typhoid Fever. As Small-pox had almost entirely disappeared from the surrounding districts, I suggested early in the year that Chicken-pox should cease to be a notifiable disease. The Council decided to still keep it a compulsorily notifiable disease. There was a very large increase in the number of cases of Diphtheria and Membranous Croup, and some increase in Scarlet Fever.

Scarlet Fever.

Compared with the previous year there was an increase of 17 cases of this fever. One third occurred in Repton, a quarter in Newton Solney, and the remainder were in the parishes of Willington, Hatton, Scropton, Walton-on-Trent, Foston, Drakelow, Hilton, Etwall, and Dalbury-Lees. Two cases occurred in the County Asylum. In all 89 cases were notified. The months of greatest prevalence were January, February, and August. 76 of the cases were removed to the Isolation Hospital at Etwall. Three cases were fatal, two at home and one at the Isolation Hospital. The elementary schools at Repton, Newton Solney, and Scropton were closed on account of this fever.

Diphtheria and Membranous Croup.

Last year Diphtheria was far more prevalent and more fatal than in any year since the Notification Act came into operation. There were 16 cases in Mickleover, 3 in Lullington, 3 in Coton-in-the-Elms, 2 in Hatton, 2 in Bretby, and one each at Linton, Hoon, and Hilton. Out of the 29 cases reported, 7 proved fatal. Five were removed to the Isolation Hospital, but of these only one died. Diphtheria Antitoxin was used in most of the cases reported; certainly in all those removed to the Hospital. I may here state that for several years we have supplied the Antitoxin to medical practitioners for their poor patients. We also supply all practitioners in this District with outfits for the bacteriological examination of the secretion or growth from the throats of their patients, where there may be some doubt as to its being true Diphtheria.

Typhoid or Enteric Fever.

Enteric Fever was stated as one of the causes of death of a person who had lived in Mickleover, but was not reported as such during the person's life.

Diarrhœa.

Three fatal cases of Diarrhœa occurred, but only one of Infantile Diarrhœa. Last August, and the three corresponding months of the three previous years, were all particularly wet months. Much rain in summer is beneficial from a health point of view, in that it allays dust, washes away germs from the surface of the earth, and flushes the drains. In these ways much disease is prevented, especially summer Diarrhœa, which is so frequently caused by germ-infected milk.

Measles.

At the beginning of the year, Measles broke out amongst the children attending the schools in the parishes of Egginton, Roslston, Linton, and Willington. The schools were closed for four weeks. No deaths occurred.

Whooping Cough.

There were three deaths from Whooping Cough. Two were under one year of age, and one was six years old. This disease was not so prevalent as in the previous year.

Phthisis or Consumption of the Lungs.

Nearly one-seventh of the total deaths were due to Phthisis. There were 43 altogether: 28 died of Consumption of the Lungs in the County Asylum, and 15 in other parts of the district. There were also 5 deaths from tubercular diseases of other organs of the body.

In September last, a conference of representatives of the Health Authorities within the administrative County of Derby, was held at the County Offices, in Derby, in connection with the proposed Sanatorium for Consumptives. The meeting was addressed by the Chairman of the County Council, and Dr. Barwise. It was stated:—"That Consumption was frequently curable, and that it paid the

community to support such institutions independently of the actual benefit to the patients." It was also stated that the proposed Sanatorium would have 40 beds, but that the County Council proposed subsidising 10 beds only ; the others being partly supported by paying patients, benevolent persons, the Borough of Derby, and working-men's societies. The County Council's share in the erection would be not more than £2,500, and £400 a year for the maintenance of those ten beds. It was thought that the ten beds would permit each year of 120 patients being under treatment, and that one quarter, or 30 of them, being practically cured. £400 a year would mean a rate of $\frac{1}{24}$ of a penny in the £. It was also shown that one-tenth of all the deaths were due to Phthisis—in our District, as before stated, one-seventh ; that it is more deadly than all the other infectious diseases put together ; that it accounted for one-tenth of the money spent by Poor-Law Authorities ; that in this way it was costing the nation a million a year ; that the loss in wages in Derbyshire only was computed to be £175,000 through persons dying of this disease.

The proposal to support the scheme of the County Council when brought before a subsequent meeting of the District Council, was rejected.

Epidemic Influenza.

Only two deaths were attributed to Influenza. The type of this disease appears to be constantly changing ; but it is, on the whole, neither so severe in its symptoms nor so fatal as a few years ago.

Cancer.

Twelve fatal cases of Cancer were registered. There has been very little variation in the number in this district during the past few years.

Bronchitis and Pneumonia.

The number of fatal cases of Pneumonia was exactly the same as last year—29. Of these 24 occurred in the County Asylum. There were 31 deaths from Bronchitis, 10 of which were infants under one year of age.

Heart Diseases.

There were 29 deaths from Heart Diseases. None of these were of young people.

Alcoholism and Cirrhosis of the Liver.

In 1904 there were eight deaths under the above heading; in 1903 seven, but in 1905 there were only three. Whether this improvement is due to diminished drinking habits through the spread of temperance, or to a lessened consumption of alcohol occasioned by bad trade, is a debatable question.

Puerperal Fever.

Two cases were notified—a fatal case at the County Asylum, and another which occurred at Scropton. I visited the latter, and sent a detailed report of it to the County Medical Officer of Health.

Anthrax.

A case of Anthrax occurred at Rosliston. The cow was cremated.

Water Analysis and Water Supplies.

I made seven analyses of well-water during the year. Five were so polluted as to be unfit for drinking, one was suspicious, and one a good drinking water.

Trusley, Bretby, and parts of Repton, Linton, and the Burton Sewage Farm, have a constant service of water. In all other parts of the district the water supply is derived from wells.

The Isolation Hospital.

As before stated, 89 cases of Scarlet Fever were notified during the year. Of these, 76 were removed to the Isolation Hospital. Of the 29 cases of Diphtheria, 5 were admitted to the hospital. Besides the cases belonging to our own district we had a case of Scarlet Fever from the Borough of Derby, and two cases of Diphtheria from the Ashbourne district. One death from Scarlet Fever (that of an infant ten months old), and one death from Diphtheria occurred during the year. The remaining 82 cases were discharged perfectly recovered. Several of the cases of Scarlet Fever appeared to be "return" cases; but I believe if our instructions given to the custodians of the discharged cases were carried out in their entirety, there would be no "return" cases. Sometimes it happens that owing to limited accommodation the partial isolation which we recommend after discharge from the hospital cannot be carried out. It has been our custom till quite recently to give the patient we are about to discharge a disinfecting bath the same day. As they are generally taken home in an open conveyance, summer and winter, the exposure to cold immediately after the bath occasionally gives the patient "cold," and it is just possible that the nasal discharge which accompanies it may contain germs of the disease. To avoid this we now give the final bath the evening before the case is sent out, keeping the patient in the interval free from infected air and surroundings. Before cases of Diphtheria are discharged, "swabs" are sent for bacteriological examination, and if reported to be free from the diphtheria bacillus the cases are sent home, but if doubtful they are kept another week and the mucous again examined. This process is repeated until a satisfactory report is obtained. We had no "return" diphtheria cases. It is only in very exceptional cases that we take Diphtheria, as it can generally be as well treated at home. The average stay of the patients in the hospital was 6 weeks and 6 days.

Disinfection, &c.

All infected houses are fumigated by the Sanitary Inspector. For large buildings, such as schools, sulphur is generally used; and for the disinfection of smaller places, formalin. Disinfectants are supplied to those in charge of cases of infectious disease, and for use in houses from which we have removed patients. The Sanitary Inspector always enquires into the sanitary condition of infected houses. All clothes worn by patients in the Isolation Hospital, and other articles believed to be infected, are placed in our steam disinfector, and are subjected to high pressure for double the time usually considered sufficient. Last year we began using an extra precautionary measure: subjected the clothes to sulphur fumigation after the steam disinfection.

School Closure.

Below will be found a list of schools which were closed on account of infectious disease:—

Egginton	... Measles	... Jan. 23rd to Feb. 20th.
Repton	... Scarlet Fever	... Feb. 5th to Mar. 6th.
Newton Solney	... Scarlet Fever	... Feb. 13th to Mar. 6th.
Rosliston	... Measles	... Feb. 13th to Mar. 13th.
Linton	... Measles	... Feb. 14th to May 1st.
Willington	... Measles	... May 19th to June 14th.
Castle Gresley	... Measles	... May 19th to June 14th.
Sutton-on-the-Hill	... Chicken-pox	... May 31st to June 12th.
Hilton (Infant Department)	... Chicken-pox	... July 12th to July 26th.
Scropton	... Scarlet Fever	... Aug. 15th to Sep. 18th.
Mickleover	... Diphtheria	... Sep. 30th to Oct. 23rd.

Sanitation in Schools.

In my previous Annual Report I called attention to several matters connected with the elementary schools that required improvement. I pointed out, from information obtained from the school masters and mistresses, how infrequently the school-floors are washed, and the usual insanitary condition of the closets. Great improvements

have been made in the Repton and Etwall schools, but I believe in the majority of schools the old conditions remain. As this is the Sanitary Authority, I suggest that if the Council approve of the recommendations in my former report, that a printed copy of these (slightly amended) be sent to the corresponding clerk of each school in the district for the consideration of the managers. I may here remark that the Education Committee of the County Council have discontinued the appointments of Medical Officers to the Hilton and Hatton schools.

Rainfall.

By the courtesy of Mr. Giles, I am again able to record the rainfall for the past year at Etwall. A comparison with the three previous years may be of interest.

1905.	Total.	Heaviest fall in 24 hours.	Date of same fall.	No. of days on which rain fell.	Totals for 1904.	1903.	1902.
Jan.	0·97	0·21	8th	10	1·73	1·79	0·92
Feb.	0·67	0·13	27th	11	2·69	1·11	1·26
Mar.	2·53	0·34	10th	18	1·59	2·99	1·18
April	1·29	0·34	6th	14	1·37	1·59	2·22
May	0·43	0·32	1st	3	1·53	2·64	2·42
June	1·64	0·44	30th	13	0·37	1·09	2·33
July	1·26	0·57	26th	4	2·18	2·45	1·41
Aug.	3·15	0·49	25th	16	3·32	4·13	3·25
Sep.	1·36	0·47	9th	10	1·90	2·79	1·18
Oct.	1·12	0·37	4th	11	0·70	4·82	1·99
Nov.	2·46	0·39	4th	15	1·26	2·18	1·49
Dec.	0·45	0·23	28th	4	1·36	1·11	1·29
	17·33			129	20·00	28·59	21·04

Sanitary Improvements Required.

Castle Gresley.—The sewerage and sewage treatment of those parts of the parish near the railway station and the Burton road are urgently needed.

Mickleover.—An extension of the present sewer is required.

Coton-in-the-Elms.—Although nothing has yet been done, it has been decided to put a main sewer through the village, and I believe that the work will be proceeded with shortly. I made this suggestion several years ago. A great deal of trouble and expense would have been saved if the advice then given had been acted upon.

Willington.—This parish still continues to pour a considerable proportion of its sewage into the stream by the main road.

Repton.—Plans for the sewerage of Repton have been prepared, and are now being considered by Dr. Barwise.

Findern.—Difficulties connected with the acquisition of land are delaying the improvement in the sewerage of this parish.

Scropton.—Several alterations in the plans for the sewerage of this place have been made owing to proposed restrictions and other difficulties in acquiring suitable land.

Etwall.—An improvement upon the present methods of dealing with the sewage now treated in Crow Park is much needed. At present the sewage is treated bacteriologically, but the filter-beds have been found to be too shallow to effectively deal with it. The question is now being considered as to whether it will be better to alter the present arrangements or to take the sewage some distance away.

Sanitary Improvements effected during the year.

Portions of the Linton and Hatton Sewerage schemes were carried out.

Building Bye-Laws Committee.

This Committee examined, and, where required, had the plans altered to conform to the bye-laws. There were plans of 51 dwelling-houses, 6 shops, 4 stables, 1 Primitive Methodist chapel, 3 alterations and additions to schools, 1 factory, 3 out-offices, 9 alterations and additions to houses, 1 slaughter-house, 1 bakehouse, 1 pig-sty, and 1 cow-shed.

Factory and Workshop Act, 1901.

By reference to one of the tables at the end of this report, it will be seen that there were 53 inspections of workshops, 8 of factories, and 3 of homeworker's premises. Five showed want of cleanliness, all of which were remedied. The workshops on the register number 42, consisting of 11 bakers, 22 blacksmiths and wheelwrights, 6 builders and contractors, 2 saddlers, and 1 dressmaker.

The Sanitary Inspector's Report.

(Mr. F. W. Bullock).

His report shows that he disinfected 89 houses and 3 schools; that he made 371 inspections of dwelling-houses, 185 of dairies and cowsheds, 16 of bakehouses, 17 of slaughter-houses, and 54 of workshops. In many of these, defects were found, most of which have been remedied. He had also to deal with a good number of defective drains, insanitary closets and ashpits, offensive accumulations, etc. There is a great improvement in the sanitary conditions of cowsheds.

Statistical Tables.

There are eight Tables appended to this Report:—

Table I.—Vital Statistics of the whole District during 1905 and previous years.

Table II.—Vital Statistics of Separate Localities in 1905 and previous years.

Table III.—Cases of Infectious Disease notified during the year.

Table IV.—Causes of and Ages at Death during the year.

Table V.—Infantile Mortality during the year 1905.

Table VI.—Parishes, Area, Population of Parishes, Deaths from Principal Fatal Diseases, and whether under 5 years of age or upwards.

Table VII.—Sanitary Inspector's Report.

Table VIII.—Factory and Workshop Act.

I have the honour to be, Gentlemen,

Your obedient Servant,

EDWIN RIDING,

Medical Officer of Health.

Repton Rural District.

Table I. Vital Statistics of Whole District during 1905 and previous Years.

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.	
				Under 1 year of age.		At all ages.						
		Number.	Rate.*	Number	Rate per 1000 Births register'd	Number	Rate.*				Number.	Rate.*
1	2	3	4	5	6	7	8	9	10	11	12	13
1895	14860	476	32·2	68	142·8	278	18·7	56	52		226	15·1
1896	14928	415	27·7	50	120·0	252	16·9	63	60		192	12·8
1897	15197	397	26·1	40	100·7	244	16·1	64	61		183	12·0
1898	15076	447	28·1	64	143·1	295	19·5	85	81		214	14·2
1899	15146	398	26·3	48	125·1	289	19·1	83	81		208	13·7
1900	15219	415	27·2	44	102·5	270	17·7	74	69		201	13·2
1901	15295	443	28·9	44	99·3	277	18·1	82	81		196	12·8
1902	15327	438	28·5	44	100·4	242	15·7	58	57	7	192	12·5
1903	15387	379	24·6	38	100·2	259	16·7	72	68	5	176	12·1
1904	15560	431	27·5	45	104·4	306	19·6	111	103	11	214	13·7
Averages for years 1895-1904.	15199	423	27·7	48	113·8	271	17·8	74	71		200	13·2
1905	15810	391	24·0	51	130·4	302	19·1	118	116	11	197	12·4

* Rates in Columns 4, 8, and 13 calculated per 1000 of estimated population.

Area of District in Acres (exclusive of area covered by water), 52,280. *Total population at all ages (at Census of 1901), 15,277.*

Number of inhabited houses, 3,117.

Institutions within the District receiving sick and infirm persons from outside the District—Isolation Hospital at Etwall, Deaf and Dumb Country Home at Etwall, County Asylum, at Mickleover.

Institutions outside the District receiving sick and infirm persons from the District—Burton-on-Trent Infirmary, Burton-on-Trent Workhouse Infirmary, Derby Infirmary, Derby Children's Hospital, Derby Deaf and Dumb Institution, Derby Hospital for Women.

Table II. VITAL STATISTICS OF SEPARATE LOCALITIES IN 1905 AND PREVIOUS YEARS.

Names of Localities.	WHOLE DISTRICT.				GRESLEY.				REPTON.				TUTBURY.				COUNTY ASYLUM.		ISOLATION HOSPITAL.	
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.	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.	Population estimated to middle of each year.	Deaths at all Ages.	Deaths at all Ages.	Deaths under 1 year.
	a	*b*	*c*	*d*	*a*	*b*	*c*	*d*	*a*	*b*	*c*	*d*	*a*	*b*	*c*	*d*	*a*	*c*	*c*	*d*
1895	14860	476	278	68	3688	143	59	20	7304	218	105	34	3410	125	56	14	458	58		
1896	14928	415	252	50	3718	161	60	18	7330	162	77	17	3422	92	52	15	458	63		
1897	15197	397	244	40	3586	142	47	16	7515	162	90	16	3439	93	43	7	500	64		
1898	15076	447	295	64	3778	158	68	24	7267	187	89	28	3446	102	53	12	585	85		
1899	15146	398	289	48	3808	148	54	22	7295	136	91	14	3458	114	61	12	585	83		
1900	15219	415	270	44	3838	149	62	21	7159	160	83	15	3460	106	51	8	600	74		
1901	15295	443	277	44	3868	170	65	22	6973	169	82	13	3475	104	45	9	672	82		
1902	15327	438	242	46	3888	162	52	20	7159	169	91	13	3495	107	41	13	785	58		
1903	15387	379	259	38	3918	142	62	17	7179	132	75	8	3505	105	50	13	785	72		
1904	15560	431	306	45	3950	157	71	26	7270	163	82	13	3582	111	43	6	758	110	1	
Averages of Years 1895 to 1904	15199	421	271	48	3804	153	60	20	7245	165	86	16	3469	105	49	10	719	74		
1905	15810	391	313	52	3998	131	73	26	7350	141	70	12	3694	119	52	13	768	116	2	1

Repton Rural District.

Table III. CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1905.

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	Under 1 year	Ages 1 to 5	Ages 5 to 1	Ages 15 to25	Ages 25to 65	65 and up-wards	Repton.	Gresley.	Tutbury.	County Asylum.	Repton.	Gresley.	Tutbury.
Diphtheria and Memb. Croup	29	1	9	18	1	...	...	17	8	4	...	5	...	...
Erysipelas ...	8	...	...	1	1	6	...	2	3	1	2	...	...	...
Scarlet Fever ...	89	2	13	64	4	6	...	63	11	13	2	57	6	13
Enteric Fever ...	1	...	...	...	...	...	1	1	...	...	...	...	...	...
Puerperal Fever ...	2	...	...	...	...	2	...	...	...	1	1	...	...	...
Chicken Pox ...	58	...	30	28	...	...	...	55	3	...	...	...	...	...
TOTALS ...	187	3	52	111	6	14	1	138	25	19	5	62	6	13

Isolation Hospital—Etwall.

Repton Rural District.

Table IV. CAUSES OF, AND AGES AT, DEATH DURING YEAR 1905.

Causes of Death.	Deaths in Whole District at subjoined Ages.							Deaths in Localities at all Ages. Sub-Registration Districts.			County Asylum, and Isolation Hospital at Etwall.
	All Ages.	Under 1	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards	Repton.	Gresley.	Tutbury.	
Scarlet Fever	3	2	..	1	..	..	..	1	1	..	*1
Whooping-cough	3	2	..	1	..	..	..	2	1	..	..
Diphtheria and Membranous Croup ..	7	..	3	4	..	..	..	4	2	..	*1
Enteric Fever	1	..	..	..	..	..	1	1	..	..	..
Epidemic Influenza	2	1	..	..	..	1	..	1	1	..	..
Diarrhœa	3	..	1	..	..	1	1	..	1	1	1
Enteritis	2	2	..	..	..	..	..	..	1	1	..
Other Septic Diseases	2	..	..	..	1	1	..	2	..	..	..
Phthisis (Pulmonary Tuberculosis) ..	43	..	..	..	8	32	3	8	6	1	28
Other Tubercular Diseases	5	1	1	1	..	2	..	2	2	..	1
Cancer, malignant disease	12	..	..	..	..	6	6	3	5	..	4
Bronchitis	31	10	2	..	1	8	10	6	15	7	3
Pneumonia	29	1	..	..	2	17	9	5	..	..	24
Alcoholism—Cirrhosis of Liver	3	..	..	..	..	2	1	..	1	1	1
Premature Birth	8	8	..	..	..	..	..	..	3	5	..
Diseases and Accidents of Parturition ..	2	..	..	..	..	2	..	..	1	..	1
Heart Diseases	29	..	..	..	1	12	16	10	7	6	6
Accidents	12	2	2	1	..	6	1	3	1	7	1
Suicides	3	..	..	..	..	3	..	3	..	..	..
All other causes	113	23	2	..	2	49	37	17	26	24	46
All Causes ..	313	52	11	8	15	142	85	68	74	53	118

* Isolation Hospital, Etwall.

Repton Rural District.

Table V.

Infantile Mortality during the Year 1905.

Deaths from stated Causes in Weeks and Months under One Year of Age

Cause of Death.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under One Year.
Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2
Whooping Cough	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2
Enteritis (*not Tuberculous*) ..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	2
Premature Birth	6	1	..	..	7	1	..	..	..	..	..	..	..	..	..	..	8
Congenital Defects	1	..	1	..	2	..	..	..	..	..	..	..	..	..	..	..	2
Injury at Birth	2	..	1	..	3	..	..	..	..	..	..	..	..	..	..	..	3
Atrophy, Debility, Marasmus ..	2	..	1	..	3	1	1	..	2	..	..	..	..	1	..	2	10
Tuberculous Peritonitis (Tabes Mesenterica)	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	1
Convulsions	..	..	..	..	..	..	1	..	..	1	..	..	..	..	1	..	3
Bronchitis	..	2	..	..	2	1	..	1	1	1	1	2	..	..	..	1	10
Pneumonia	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1
Suffocation, overlaying ..	1	..	..	..	1	1	1	..	..	..	..	..	..	..	..	..	3
Other Causes	1	..	..	..	1	..	1	..	..	1	..	1	1	..	..	..	5
	13	3	4	..	20	4	5	2	3	3	3	3	2	1	2	4	52

REPTON RURAL DISTRICT COUNCIL.

Table VI. Showing the whole of the Parishes, Population of each, the Principal Causes of Death in each, and whether under or over five years of age.

NAME OF PARISH & POPULATION.	Deaths at all Ages.	Under 5 years. / 5 yrs. and over.	Small-pox.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Membranous Croup.	Croup.	Typhoid Fever.	Epidemic Influenza.	Cholera.	Plague.	Diarrhœa & Dysentery.	Enteritis.	Puerperal Fever.	Erysipelas.	Other Septic Diseases.	Phthisis.	Other Tubercular Diseases.	Cancer, malignant disease.	Bronchitis.	Pneumonia.	Pleurisy.	Other Diseases of the Respiratory Organs.	Alcoholism and Cirrhosis of Liver.	Venereal Diseases.	Premature Birth.	Diseases & Accidents of Parturition.	Heart Disease.	Accidents.	Suicides.	All other Causes.
Ash—69																																
Barton Blount—55 ...	1	1																														1
Bearwardcote—33																																
Bretby—430	6	6																1		1	1	2									1	
Burnaston—219	4	1 3																			1											1 2
Catton—96	2	1 1																									1		1			
Cauldwell—151	2	1 1								1								1														
Castle Gresley—1180	20	6 14																2		2	4 2				1		1	1	1			1 5
Church Broughton—436	11	2 9																			2						2		2	1		4
Coton-in-the-Elms—469	10	5 5												1				1	1	1	2 1											2 1
Dalbury-with-Lees—187	1	1																											1			
Drakelow—122	2	2																			1											1
Egginton—412	5	1 4																							1					2		1 1
Etwall—688	7	3 4															1			1	2								2			1
Findern—378	6	1 5																2	1										1			2
Foremark—58																																
Foston & Scropton—514	4	1 3																											1			1 2
Hatton—730	7	2 5											1					1			2						1					2
Hilton—779	18	6 12												1							2						2		2	1 1		2 7
Hoon—38																																
Ingleby—92	1	1																											1			
Linton—1176	18	10 8			1	1	1											1		1	2						1		2			5 3
Lullington—223	9	2 7					1						1							1									1			2 5
Marston-on-Dove—94																																
Mickleover—2084	17	6 11					2 2		1									2			1								2	1	1	3 2
Newton Solney—544	7	1 6			1															1	1								1			1 2
Osleston & Thurvstn.—279	6	3 3																			1								1	2		1 1
Radbourne—229	3	3																				1										2
Repton—1695	12	4 8				2				1							1	1	1			1 1							1	1	1	1
Rosliston—459	3	2 1																			1									1		1
Sutton-on-the-Hill—124																																
Trusley—76	1	1																1														
Twyford & Stenson—180....	1	1																												1		
Walton-on-Trent—407	7	1 6																1	1		2								2			1
Willington—571	4	1 3																1											1			1 1
County Asylum, Mickleover	116	116																28	1	4	3	24	1		1			1	6	1		46
Isolation Hospital, Etwall	2	1 1			1		1																									
TOTALS—15227	313	63 250			2 1	2 1	3 4		1	1 1			1 1	2			2	13	2 3	12	13 18	1 28	1		3		8	2	29	4 8	3	24 89

SUMMARY OF SANITARY WORK DONE IN THE NUISANCE INSPECTOR'S DEPARTMENT DURING THE YEAR 1905, IN THE RURAL DISTRICT OF REPTON.

Area, 52,280. *Population, 15,810.* *No. of Houses (estimated) 3,130.*

	Informal Notices served by Inspector.	Legal Notices served by Authority.	Nuisances abated.
DRAINAGE—			
No disconnection of Waste Pipe	14	1	14
Defective Traps, Inlets and Drains	53	4	52
Drains obstructed	17	..	17
CLOSETS AND ASHPITS—			
Insanitary Privies and Ashpits	32	3	31
Insufficient Closet accommodation	2	2	2
Conversion of Privies into W.C.'s	7	..	7
Defective Water Closets..	1	..	1
Eaves-spouts and Down-spouts	10	2	9
Urinals defective	2	2	2
Water Supply	17	4	16
Offensive accumulations	134	5	134
Pigsties	3	..	3
Overcrowding	8	3	8
Foul Condition of Houses	4	1	4
TOTALS ..	304	27	300

Precautions taken against Infectious Disease, &c.

All Infected Houses and Clothes are Disinfected. Cases removed to Hospital as far as possible. Fumigation by Sulphur, Formalin and Steam. Also Fumigation of Houses, &c., after cases of Consumption.

No unsound Meat was found.

No action was taken under the Food and Drugs, or Canal Acts.

DWELLING-HOUSES—	
Number Inspected	371
Informal Notices to Repair Houses	68
Number of Houses Repaired	68
Reported as Unfit for Habitation	5
Legal Notices to Close Houses	5
Number of Houses Closed	2
Number of Infected Houses	89
Number Disinfected (3 Schools)	89
Inspections of Work in Progress	327
DAIRIES AND COWSHEDS—	
Number on Register	277
Number of Inspections	185
Number of Notices served for Infringements of Bye-Laws ..	35
BAKEHOUSES—	
Number on Register	11
Number of Inspections	16
Number of Notices served for Infringements of Bye-Laws ..	3
SLAUGHTER HOUSES *(No Register)*—	
Number of Inspections	17
Number of Notices served for Infringements of Bye-Laws ..	2
WORKSHOPS—	
Number on Register	42
Number of Inspections	54
Number of Notices served for Infringements of Bye-Laws ..	8
Total Number of Inspections made ..	970

(Signed) FRANK W. BULLOCK, *Inspector of Nuisances.*

Rural District of Repton.

Factories, Workshops, Laundries, Workplaces & Homework.

1.—INSPECTION.

Premises.	Number of Inspections.	Number of Written Notices.	Number of Prosecutions.
FACTORIES ... ... (including Factory Laundries)	8	...	...
WORKSHOPS ... ... (including Workshop Laundries)	53	6	...
WORKPLACES	...	...	...
HOMEWORKERS' PREMISES	3	...	...
TOTAL	64	6	...

2.—DEFECTS FOUND.

Particulars.	Number of Defects Found.	Number of Defects Remedied.
Nuisances under the Public Health Acts—		
Want of Cleanliness	5	5
Other Nuisances	1	...
TOTAL	6	5

3.—OTHER MATTERS.

Matters notified by H.M. Inspectors	4
Underground Bakehouses (s. 101):—	
Certificates granted during the year	0
In use at the end of the year	0
Lists of Outworkers—	
Addresses of Outworkers forwarded to other Authorities	0
Addresses of Outworkers received from other Authorities	2
Workshops on the Register at the end of the year—	
Bakers	11
Blacksmiths and Wheelwrights	22
Builders and Contractors	6
Saddlers	2
Dressmaker	1
Total Number of Workshops on Register ...	42

(*Signed*) E. RIDING, *Medical Officer of Health.*