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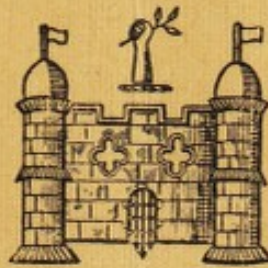
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KNARESBOROUGH
RURAL DISTRICT COUNCIL.



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MEDICAL OFFICER'S
Annual Report,

FOR THE

Year ended December 31st, 1914.

KNARESBOROUGH:

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KNARESBOROUGH
RURAL DISTRICT COUNCIL.

Medical Officer's Annual Report,
For the Year ended December 31st, 1914.

*To the Chairman and Councillors of the Knaresborough Rural
District Council.*

GENTLEMEN,—

I have pleasure in laying before you my Sixteenth Annual Report as Medical Officer of Health for the Knaresborough Rural District, for the year ended December 31st, 1914.

The population of the district has not increased much **Population.** during the year, as there have been only 17 houses built in the district during that time. The estimated population up to the middle of 1914 is 8,730.

The number of births registered as belonging to the district **Births.** was 148. This is 21 less than that of the previous year, and gives an annual birth rate of 17·7 per thousand of the estimated population. This is exceedingly low, and is very much below that for England and Wales, viz., 23·8, which is the lowest on record.

The number of deaths of residents in the district and of **Deaths.** residents in places outside the district was 78. This is 11 less than that of the previous year, and gives an annual death rate of 9·32 per thousand of the estimated population. This is the lowest death rate of the district of which I have any record. The corresponding rate for England and Wales was 14·0.

The deaths in children under one year of age were 8 in **Deaths**
number. Four were due to premature birth or congenital mal- **under one**
formation. The causes of death in the others were : Convulsions, **year of age.**

2; Pneumonia, 1; and Gastritis, 1. The Infantile Mortality for the year was 54 per thousand births registered, the corresponding death rate for England and Wales was 105, or nearly double that for your district.

Causes of
Death at all
ages.

Between the ages of 1 and 2 years there was one death; between 2 and 15 there were three; between 15 and 25 there were three; between 25 and 45 there were five; between 45 and 65 there were 14; and over 65 there were 44. There were 37 deaths in persons 70 years and upwards, and of these 12 were between the ages of 80 and 91. The principal causes of death were: Heart Disease, 11; Cancer, 9; Tuberculosis, 8; Pneumonia, 5; Enteric Fever, 3; and Bronchitis, 2.

Zymotic
Diseases.

There were 4 deaths from Zymotic Diseases. This gives an annual death rate from this cause of 0.45 per thousand of the estimated population. The corresponding rate for England and Wales was 1.2.

Cancer.

There were 9 deaths from Cancer during the year. These cases occurred in the following parishes:—Pannal, 4; Burton Leonard, 2; Ripley, Killinghall and Felliscliffe, 1 each. Eight were females and one male. Last year out of 10 deaths from this cause, 7 were males and 3 females.

Phthisis
and other
Tubercular
Diseases.

Phthisis and other Tubercular Diseases caused 8 deaths. The number of deaths due to this cause in the previous ten years was:—1903, 9; 1904, 11; 1905, 14; 1906, 13; 1907, 14; 1908, 5; 1909, 10; 1910, 8; 1911, 5; 1912, 6; and 1913, 5. Nine cases of Phthisis and 3 of other Tubercular Disease were notified to me during the year.

Diarrhœa.

Diarrhœa caused no deaths during the year. This is a very rare cause of death in your district.

Infectious
Diseases
notified.

The number of Infectious Diseases notified to me during the year was 61, viz.—Scarlet Fever, 34; Erysipelas, 6; Enteric Fever, 5; Diphtheria, 2; Ophthalmic Neonatorum, 2; and Phthisis and other Tubercular Diseases, 12.

Scarlet
Fever.

Scarlet Fever was more prevalent than usual during the year, 34 cases being notified. The cases occurred in the following parishes:—Pannal, 11; Ripley, 10; Killinghall, 8; Follifoot, 2;

Bilton, 1; and Knaresborough Outer, 1. The outbreak of this disease at Ripley and Killinghall were probably of the same origin. There were no deaths from this cause.

There were only 2 cases of Diphtheria during the year, and these occurred at Bilton, but there did not appear to be any connection between the two cases. No deaths were caused by it. Diphtheria.

Five cases of Enteric Fever occurred at Killinghall. They were in one family or the relatives of the family. The infection in the first case was from drinking impure water from a ditch which was polluted with sewage. The others were no doubt infected from the first through a filthy privy. If a water closet had been in use in this house instead of the privy, probably none of the other cases would have occurred, and three lives would have been saved. Enteric
Fever.

There were no cases of this disease notified during the year. Polio-
myelitis.

There were many cases of Whooping Cough during 1914, and one death was caused thereby. Whooping
Cough.

Measles was not very prevalent during the year, and there were no deaths from it. Measles.

No case of Small Pox was notified during the year. Small Pox.

Two cases of Ophthalmic Neonatorum were notified, but they were of a very mild nature. Ophthalmic
Neonatorum

The only development of Sewage Disposal has been the laying of 246 yards of sewer to drain the Follifoot end of Pannal village. Sewerage schemes are necessary at Burton Leonard, Hampsthwaite, Scotton, Knox, Ferrensby, Flaxby, and South Stainley. A better method of the disposal of the sewage at Brearton is required. Sewage
Disposal.

There is a good supply of water in the whole district with the exception of the villages of Hampsthwaite, Scotton, Brearton, and Flaxby. A great number of the wells in Hampsthwaite and Scotton have been dry during the greater part of the year. As far as I can ascertain, the inhabitants of these villages are anxious to have a proper water supply. An extension of 1360 yards of water main to supplement the Follifoot supply was made during the year. This was rendered necessary owing to the shortage of water in the well from which the village is supplied. Water
Supply.

- Slaughter Houses.** There are 12 Slaughter Houses registered in the district. The carcasses of three Tuberculosis animals, and portions of two others, were destroyed as unfit for food.
- Cowsheds.** There are 170 Cowsheds in the district. The condition of these on the whole has improved. Some are still unsatisfactory. Four are new or re-built.
- Schools.** There are 14 Schools in the district. The School at Ripley was closed for several weeks owing to an outbreak of Scarlet Fever. At Lingerfield the School was also closed owing to Whooping Cough.
- Scavenging.** The Scavenging of Pannal has been undertaken by the Council. Killingball and Knaresborough Outer require similar treatment.
- Housing.** Under the Housing (Inspection of District) Regulations, 1538 houses were inspected. Of these 2 were found totally unfit for human habitation.
- Factories and Workshops.** The number of Factories and Workshops in the district is 72, viz.: Factories (including Factory Laundries) 17; Work-places (including Workshop Laundries), 12; Domestic Workshops, 5; Retail Bakehouses, 2; and other Workshops, 36.
- Sanitation of Workshops.** No defect of Sanitation of Workshops as regards cleanliness, air space, ventilation, or drainage of wet floors was found.
- Retail Bakehouses** There are 2 Retail Bakehouses in the district. These comply with Factories and Workshops' Act as regards closets, drains, water cisterns to W.C.'s, sleeping places, and lime-washing.
- Under-ground Bakehouses** There are no underground Bakehouses in the district.
- Home Work.** There is no "Home Work" in the district within the meaning of the Factories and Workshops' Act.

I have the honour, Gentlemen, to remain,

Your obedient servant,

W. J. FORBES,
Medical Officer of Health.

April 30th, 1915.

TABLE I.

Vital Statistics of Whole District during 1914 and previous years.

Year.	Population estimated to Middle of each year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFERABLE DEATHS.		NETT DEATHS BELONGING TO THE DISTRICT.				
		Uncorrected No.	No.	Rate.	No.	Rate.	of Non-registered in the District.	of Residents not registered in the District.	Under 1 Year of Age.			
									No.	Rate.		
1	3	3	4	5	6	7	8	9	10	11	12	13
1909	9620	192	...	19.9	89	9.23	1	3	19	98.9	91	9.45
1910	9750	183	...	18.7	98	10.00	2	5	15	81.9	101	10.23
1911	8209	183	184	22.4	102	12.43	9	9	14	76.0	102	12.45
1912	8360	170	174	20.8	80	9.56	3	13	12	63.2	90	10.76
1913	8575	169	169	19.7	94	10.95	10	5	9	53.2	89	10.35
1914	8730	144	148	17.7	73	8.36	6	11	8	54.0	78	9.32

Area of District in acres (land and inland water)—37,495. Total population at all ages—8,143. Number of Inhabited houses—1811. Average number of persons per house—4.5. (At Census of 1911). Isolation Hospital or Hospitals, Sanatoria, &c.—Harrogate and Knaresborough Joint Isolation Hospital, Thistle Hill.

TABLE II.

Cases of Infectious Disease notified during the year 1914.

NOTIFIABLE DISEASES.	At all Ages	Number of Cases Notified.							Total cases re-moved to Hospital
		Un-der 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	65 up.	
Small Pox	...	...	...	...	...	...	...	...	...
Cholera (C) Plague (P)	...	...	...	...	...	...	...	...	...
Diphtheria (including Membranous Croup)	2	...	...	1	1	...	...	...	2
Erysipelas	6	...	1	2	1	1	...	1	...
Scarlet Fever	34	5	22	6	1	...	...	...	18
Typhus Fever	...	...	...	...	...	...	...	...	...
Enteric Fever	5	...	...	1	2	...	...	...	5
Relapsing Fever (R)	...	...	...	...	...	...	...	...	...
Continued Fever (C)	...	...	...	...	...	...	...	...	...
Puerperal Fever	...	...	...	...	...	...	...	...	...
Cerebo-spinal Meningitis	...	...	...	...	...	...	...	...	...
Poliomyelitis	...	...	...	...	...	...	...	...	...
Ophthalmia Neonatorum	2	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis	9	...	2	3	2	2	...	...	...
Other forms of Tuberculosis	3	1	...	...	1	...	...	...	...
Totals	61	2	6	25	13	8	5	2	25

TABLE III.

Knaresborough Rural District.

Causes of, and Ages at Death, during the Year 1914.

Causes of Death.	Nett Deaths at the subjoined ages of "Residents" whether occurring within or without the District.									Total Deaths in Institutions in the District.
	All Ages	Under 1 year.	1 and under 2.	2 and under 5.	5 and under 15.	15 and under 25.	25 and under 45.	45 and under 65.	65 and upwards.	
All Causes—Certified ...	78	8	1	1	2	3	5	14	44	5
Enteric Fever	3	...	...	...	...	...	1	2	...	3
Scarlet Fever.....	...	...	...	...	...	...	...	...	...	1
Whooping Cough	1	...	1	...	...	...	...	...	...	...
Influenza	1	...	..	...	...	...	1	...	...	...
Erysipelas	1	...	...	...	...	...	...	1	...	...
Phthisis (Pulmonary Tuberculosis).....	6	...	...	...	...	2	1	2	1	...
Tuberculosis Meningitis	1	...	...	1	...	...	...	...	...	...
Other Tuberculous Diseases	1	...	...	...	...	...	...	...	1	...
Cancer, malignant disease	9	...	...	...	...	...	1	2	6	...
Organic Heart Disease...	11	1	...	...	...	...	...	2	8	1
Bronchitis	2	...	...	...	...	...	...	1	1	...
Pneumonia (all forms)...	5	1	...	...	1	...	...	2	1	...
Other diseases of respiratory organs.....	2	...	...	...	...	...	...	...	2	...
Congenital Debility and Malformation, including Premature Birth	3	3	...	...	...	...	...	...	...	...
Violent Deaths, excluding Suicides	3	...	...	...	...	1	...	1	1	...
Other Defined Diseases	29	3	...	...	1	...	1	1	23	...
Totals	78	8	1	1	2	3	5	14	44	5

TABLE IV.
KNARESBOROUGH RURAL DISTRICT.

Infant Mortality, 1914.

Nett Deaths from stated causes at various Ages under One Year of Age.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	Total under 4 Weeks.	4 Weeks and under 3 Months.	6 Months and under 9 Months.	9 Months and under 12 Months.	Total Deaths under 1 Year.
All Causes.								
Certified	2	1	1	4	1	1	2	8
Uncertified								
Convulsions ... ..	...	...	...	...	1	...	1	2
Pneumonia (all forms) ... ..	...	...	...	...	...	...	1	1
Gastritis ... ..	...	...	1	1	...	...	...	1
Atelectasis	1	...	...	1	...	...	...	1
Congenital Malformations ... ..	...	...	...	...	...	1	...	1
Premature Birth	1	...	...	1	...	...	...	1
Atrophy, Debility, and Marasmus ... ..	...	1	...	1	...	...	...	1
Totals	2	1	1	4	1	1	2	8

Nett Births in the year, 148.

Nett Deaths in the year, 8.

TABLE C.—1914.

Medical Officer of Health.—W. J. FORBES, M.B., B.Ch., B.A.O.

Sanitary Inspector
Building Surveyor } WILLIAM LUPTON.

WATER SUPPLY—

Any developments during 1914? 1360 yards of water main, Follifoot Ridge.

Any insufficiency, and where? Hampsthwaite, Scotton, Brearton, and Flaxby.

Any curtailment? No.

Did any wells fail, and where? Hampsthwaite, Scotton, and Follifoot.

Any unsatisfactory quality, and where? Hampsthwaite, Scotton, and Flaxby.

Any unchecked plumbo-solvent action? No.

DRAINAGE AND SEWERAGE,

Any developments during 1914? Pannal end of Follifoot 246 yards. Developments still needed as to (a) Want of sewers.—Burton Leonard, Hampsthwaite, Scotton, and Knox.

(b) Improvement of defective sewers.—No.

Any inadequacy of Sewage Disposal Works or complaints as to smells? No.

Number of sink-wastes disconnected during 1914? None. Trapped, 39.

CLOSET ACCOMMODATION.

Number of Privies with open middens? 327.

Number of Pail or Tub Closets? 53.

Number of Privies with covered middens? 1072.

Number of Water Closets? 695.

Waste-water Closets.—None.

Are proper doors and coverings generally provided? New ones and those reconstructed are covered.

Number of Privies re-constructed during 1914 (a) as to W.C.'s, 11 ;
(b) other 3.

Number of additional Closets provided for old property in 1914 (a)
W.C.'s, 3.

Number of Closets constructed in 1914 for new houses (a) W.C.'s, 3 ;
(b) other, 2 pail.

SCAVENGING.

How is refuse disposed of (a) Destructor, No ; (b) Tips, Pannal ;
(c) Farmers, Yes.

Is there any inadequacy, and where? Killinghall and Knaresborough
Outer.

Any change during 1914? No.

NUISANCE INSPECTION.

Total number of Inspections made in 1914, 328.

Informal Notices served, 101 ; Complied with, 49.

Statutory Notices served, 4 ; Complied with, 2.

Total number of Nuisances in hand at close of 1913, 28 ; at close of
1914, 42.

Total number of Nuisances reported during 1914, 278 ; abated during
1914, 264.

Total number of Summonses or other legal proceedings, None.

REGULATED BUILDINGS, TRADES, &c.

Knackers Yards, 1 ; Total number of Inspections made, 3 ; General
conditions, Good.

Have the Council declared any other processes to be offensive trades,
e.g., Fish-frying, Maggot-breeding, &c. ? No.

SCHOOLS.

Number of Elementary Schools in District, 14.

Number of Visits to Schools, 7.

Action taken, Closed in two cases.

MILK SUPPLY.

Number of samples taken by Officers for analysis under F. and D.
Acts, 3. Number adulterated, None.

Number of samples taken by Officers of S.A. for bacteriological
examination, One from Hampsthwaite.

What arrangement for Veterinary Inspection of Dairy Cows?
Inspector appointed.

Any action by S.A., *e.g.*, to ascertain if Cowsheds were satisfactory?
Inspected. Good.

Number of Cowkeepers in district, 102. Number registered, 102.

Number of Milk Sellers who are also Cowkeepers, 102; Number who
are Purveyors only, 1; Total number registered, 103.

Total number of Cowsheds, 170; Number of Inspections in 1914,
129; General condition, fair; improved.

Approximate Number of Milch Cows in district, 1150. Any in-
sufficiency in Milk Supply? No.

Legal proceedings under D.C.M. Orders, None.

Any Inspection or other action by Districts to which Milk is sent? No.

OTHER FOODS.

Number of samples (other than Milk) taken by Officer of S.A. for
examination under the Food and Drugs Acts, None.

Number of seizures of unsound food, 5; Kind and quantity, 3
carcases and 2 portions of carcasses; Number of prosecutions,
None.

Number of Slaughterhouses, 12; Number registered, 12; Kind and
condition, Improved.

Number of prosecutions (a) Food and Drugs, None; (b), Unsound
Food, None; (c) *re* Slaughterhouses, None.

FACTORIES AND WORKSHOPS.

Any Smoke nuisance, and where? None.

Number of Smoke observations taken, None.

ADOPTIVE ACTS.

Acts adopted during 1914, Private Streets Works Act.

Any Urban Powers obtained in 1914? No.

BYE-LAWS AND REGULATIONS.

Any adopted during 1914, No.

Are any other Bye-laws needed? No.

INFECTIOUS AND OTHER DISEASES.

What diseases have been specially prevalent in 1914? Scarlet Fever.

What special action to combat same? School closed.

Is Hospital accommodation adequate and sufficient? Yes.

What arrangement for the supply of antitoxin? Supplied by order
of M.O.H.

Any diseases specially added to notifiable list? No.
 Any influences threatening the health of the district? No.

SPECIAL REPORTS AND INVESTIGATIONS.

Mention any subjects which have been specially investigated and reported on during the year.—None.

TUBERCULOSIS.—Procedure after notification.

Inspection of patient's home and workshop.—Yes.

Examination for contacts.—No.

Disinfection.—Yes.

Action *re* spitting.—None.

Shelters provided.—None.

Is sputum examined? Yes.

BACTERIOLOGY.

Is County Laboratory utilized?—Yes.

Any suggestions?—No.

INFANT MORTALITY.

What organised effort to control it?—Leaflet by M.O.H. distributed to mothers.

Any Baby Clinic, Baby's Welcome, or Mother's League?—No.

Causes of any excessive Infant Mortality in 1914.—None.

VITAL STATISTICS.

Births during 1914—Males, 81; Females, 67; total, 148.

No. illegitimate included in above.—No information.

No. of Still Births (not included).—No Information.

Deaths during 1914—(1) Gross Deaths, *i.e.*, total actually registered in the district without any correction.—73; (2) Nett deaths on which the rates are calculated—Males, 35; Females, 33; total, 78.

No. of uncertified deaths (included above).—None.

MISCELLANEOUS.

What Mortuary accommodation—

(a) for accidents.—None.

(b) for infectious cases other than at hospital.—None.

No. of Burial Grounds.—14.

Any need for extension?—Burton Leonard.

Are there any ill-placed fowl runs in district?—No.

Any nuisance therefrom or action in relation thereto? No.

SANITARY STAFF.

What is the present annual salary of the M.O.H. ?—£100.

Name of Sanitary Inspector—Wm. Lupton ; annual salary as Inspector, £120 ; other appointments held—Surveyor and Building Inspector ; salary for such other appointments, £65.

Any Assistants ?—One.

Is staff sufficient ?—Yes.

SUPPLEMENTARY REMARKS.—See body of Report.

FACTORIES, WORKSHOPS, AND WORK PLACES—

Inspections, 36.

REGISTERED WORKSHOPS—

Factories (including Factory Laundries), 17.

Work Places (including Workshop Laundries), 12.

Domestic Workshops, 5.

Retail Bakehouses, 2.

Other Workshops, 36.

Total number of Workshops on Register, 72.

