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REPORT
OF THE
SANITARY CONDITION
OF THE
ERPINGHAM RURAL DISTRICT,
NORFOLK,

From January 1st, to December 31st, 1909,

BY


T. W. RICHARDSON, M.R.C.S.,

Fellow of the Royal Institute of Public Health,
Fellow of the Society of Medical Officers
of Health,

MEDICAL OFFICER OF HEALTH.

1910.

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ERPINGHAM RURAL DISTRICT COUNCIL.

Unthank Road,
Norwich,
14th March, 1910.

I beg to communicate to the Erpingham Rural District Council my Annual Report for the year 1909.

POPULATION.

At the census of 1901 the population was 16,054. The Erpingham Rural District formerly consisted of three Sub-Districts, viz. : Cromer, Holt, and Repps. These were re-arranged during 1909, and divided into two Sub-Districts—Cromer and Sheringham Sub-Districts. The estimated population for the year ending 1909 is 18,145, and that of the Sub-Districts as follows :—

Cromer Sub-District	...	8623
Sheringham Sub-District		9522

The estimated increase of the population during the year is 195.

BIRTHS.

There were 207 males and 175 females, making a total of 383. The increase of births over deaths being 195. The birth-rate was 21·05 per 1000 of the population as compared with 23·5 in 1908. The birth-rate shows a continuous decline being 27·18 per 1000 in 1902 and 22·28 in 1907.

DEATHS.

There were 88 deaths of males and 99 females, making a total of 187.

The death-rate was 10·32 per 1000 as compared with 13·57 in 1908. The Zymotic death-rate was ·44 per 1000, and the Infantile death-rate 81·15 per 1000 registered births.

This speaks well for the healthiness of the District.

There were no deaths from Influenza as compared with 11 in 1908.

Old age was certified as the cause of 32 deaths as compared with 41 in 1908. 19 deaths were caused by Tubercular Diseases, 13 of which were from Phthisis as compared with 17 of Phthisis in 1908. Two deaths certified as Pulmonary Tuberculosis were non-residents, that is of persons brought into the District on account of sickness.

Respiratory Diseases caused 17 deaths as against 32 in 1908, namely, Bronchitis 7, Pneumonia 4, Broncho-Pneumonia 5, Asthma 1.

There was a slight increase in the number of deaths from Cancer, namely, 25, as against 18 in 1908.

DIPHTHERIA.

I am glad to report a very great diminution in the cases of this dangerous disease, only 4 cases having been notified:— Holt 1, Hempstead 1, Kelling 1, Weybourne 1. One death occurred at Holt.

SCARLET FEVER.

60 cases were notified as compared to 53 cases in 1908 and 124 in 1907. The distribution of the disease was as follows: Runton 42, Overstrand 4, Thorpe Market 3, Trimmingham 3, Metton 3, Northrepps 2, Southrepps 1, Antingham 1, Roughton 1. It will be seen that had it not been for the epidemic at Runton the number of notifications would have been small, namely, 18. The outbreak, which was of a very mild character, appeared first in July amongst a few children attending School, and lasted through August into September. In 2 families in Wyndham Park children were found in the desquamating stage, having had no medical attendance. The fathers were prosecuted and convicted of concealing an infectious disease. There was no death from Scarlet Fever.

There is no Isolation Hospital in the Erpingham District.

No case of Puerperal Fever was notified.

TYPHOID FEVER.

3 cases occurred at Upper Sheringham in September, a mother and 2 children who were non-residents. I could find nothing in the house and its surroundings to account for the outbreak. They appeared to be perfectly sanitary, and I conclude that the disease was contracted elsewhere. The mother died.

No cases of Erysipelas were notified, but one death was caused by this disease.

The District is mainly agricultural, and the seaside villages are popular resorts for holiday makers in the summer. As far as I know there are no conditions affecting injuriously the health of the district.

COTTAGE ACCOMMODATION.

Private enterprise has provided some additional cottage accommodation, but many more cottages are needed to obviate over-crowding.

WATER SUPPLY.

Mundesley, Holt, and Kelling possess public water supplies, Overstrand, Felbrigg, East and West Runton, and part of Roughton are supplied from the Cromer Council's Water Works.

DRAINAGE AND SCAVENGING.

In most of the villages the pail closet system remains, but in the parishes of Mundesley, E. and W. Runton, Overstrand, Holt, Cley, and Aldborough, sewerage systems have been provided. Parts of Northrepps, Trunch, Weybourne, Thornage, Gresham, and Briston have piped sewers.

Serious complaints have been received as to the Drainage arrangement of Briston village. The chief difficulty in dealing with the matter is the absence of fall for the drainage.

In Mundesley, Holt, Cley, and Overstrand public scavenging of house refuse, etc., is done by contract, consequently the number of open bins has been considerably reduced. I regret that this work has not yet been undertaken in Runton. To enable back passages and yards to be paved in Holt, the Local Government Board have been asked by the Council to confer the powers of the Private Street Works Act, 1892.

Two new streets in Overstrand have been made up by the Council under that Act. Victoria Street, Mundesley, is about to be made up under the same Act.

Various additional powers have been conferred on the District Council under the Public Health Acts Amendment Act, 1907, and other Acts.

Bye-laws are in force throughout the District for the regulation of Gipsy Van Dwellings, also Common Lodging Houses and Dairies, Cow-Sheds and Milk-Shops. Bye-laws as to New Streets and Buildings are in force in Overstrand, Mundesley, Runton, and Cley.

Slaughter-House regulations are in force in all parishes where these places exist.

A prosecution under the Slaughter-House bye-laws ended in an amicable arrangement for the erection of a new Slaughter-House.

In addition to the prosecutions already mentioned in connection with Scarlet Fever cases, legal proceedings were instituted against a person for committing a nuisance at Cley by keeping ducks in an insanitary condition close to a dwelling-house, also against a householder at Holt for carrying on the business of a Common Lodging-House Keeper without being registered as such. In every case the Justices imposed penalties on the defendants.

Some progress has been made in getting house drainage connected with the sewers in Mundesley. Efforts should be made to get the remaining houses similarly connected as soon as possible and thereby lessen the cost of public scavenging.

Numerous visits have been paid to the Cow-Sheds and Dairies in the District during the year by the Sanitary Inspector alone, or with me. Much improvement has been made in the conditions under which the milk business has been carried on in the District.

The Causes of Death.

Diphtheria	1	Congenital Debility	2
Septic Throat	1	Inanition	4
Enteric Fever	1	Debility from Birth	2
Erysipelas	1	Convulsions	4
Measles	1	Improper Feeding	1
Whooping Cough	3	Cerebral Hæmorrhage	5
Phthisis	11	Cerebral Apoplexy	1
Tuberculosis	2	Cerebral Softening	1
*Pulmonary ditto	2	Cerebral Meningitis	1
Tubercular Meningitis	2	Epilepsy	2
Heart Disease	8	Sclerosis Cerebri	1
Morbus Cordis	2	Softening of Brain	1
Valvular Disease of Heart	1	Arterio Sclerosis	1
Fatty Degeneration of Heart	1	Hemiplegia	2
Dilation of Heart	1	Paralysis	1
Senile Heart	1	Pharyngeal Paralysis	1
Cancer of Mouth	1	Acute Myelitis	2
Cancer of Liver	1	Senile Gangrene	2
Cancer of Mesentery	1	Gastric Ulcer	1
Cancer of Bowels	1	Goitre	2
Cancer of Rectum	1	Hypertrophy of Spleen	1
Cancer of Stomach	3	Rheumatoid Arthritis	1
Carcinoma of Stomach	3	Apthous Stomatitis	1
Carcinoma of Colon	1	Locomotor Ataxy	1
Carcinoma of Uteris	1	Uræmia	1
Cancer of Breast	3	Anæmia	2
Carcinoma of Breast	1	Congenital Imbecility	1
Cancer of Phlorus	1	Pernicious Vomiting	1
Carcinoma of Phlorus	2	Diabetes	3
Carcinoma of Pancreas	1	Disseminated Sclerosis	1
Sarcoma of Lung	1	Acute Dilatation of Stomach	1
Sarcoma of Pelvis	1	Syncope	1
Epithelioma of Face	1	Glycosuria	1
Cerebrellar Tumour	1	Nephritis	1
Constriction of Pylorus	1	Atheroma	1
Bronchitis	7	Rickets	1
Pneumonia	4	Injuries	1
Broncho-Pneumonia	5	*Drowned	2
Asthma	1	Natural Causes	3
Senile Decay	19		
Old Age	1		187
Debility of Age	1		
*Senectus	11		
Immaturity	2		
Prematurity	1		
Premature Birth	5		
Marasmus	1		

*There were 3 deaths of "Non-Residents." The term "Non-Resident" means any person brought into the District on account of Sickness.

ZYMOTIC DISEASES.

The Returns of Cases according to Parishes.

Parishes.	Diphtheria.	Scarlet Fever.	Typhoid Fever.	Ery- sipelas.	Total.
Sustead ...	—	—	—	1	1
Runtou ...	—	42	—	—	42
Overstrand ...	—	4	—	—	4
Thorpe Market ...	—	3	—	—	3
Trimingham ...	—	3	—	—	3
Metton ...	—	3	—	—	3
Upper Sheringham ...	—	—	3	—	3
Northrepps ...	—	2	—	—	2
Southrepps ...	—	1	—	—	1
Antingham ...	—	1	—	—	1
Roughton ...	—	1	—	—	1
Holt ...	1	—	—	—	1
Hempstead ...	1	—	—	—	1
Kelling ...	1	—	—	—	1
Weybourne ...	1	—	—	—	1
	4	60	3	1	68

Monthly Returns of Infectious Diseases.

	Under 5 years.	Over 5 years.	Total.
January ...	—	4	4
February ...	—	2	2
March ...	1	6	7
April ...	—	—	—
May ...	—	—	—
June ...	—	2	2
July ...	1	7	8
August ...	2	16	18
September ...	7	13	20
October ...	—	3	3
November ...	—	1	1
December ...	—	2	2
	11	56	67

Monthly Returns according to Diseases.

	Diphtheria.	Scarlet Fever.	Typhoid Fever.	Total.
January ...	2	2	—	4
February ...	1	1	—	2
March ...	1	6	—	7
April ...	—	—	—	—
May ...	—	—	—	—
June ...	—	2	—	2
July ...	—	8	—	8
August ...	—	18	—	18
September ...	—	17	3	20
October ...	—	3	—	3
November ...	—	1	—	1
December ...	—	2	—	2
	4	60	3	67

The Number of Families in each Parish where Infectious Diseases occurred.

Parishes.	Families.	Totals.
Runton ...	29	42
Overstrand ...	4	4
Thorpe Market ...	3	3
Trimingham ...	2	3
Metton ...	2	3
Northrepps ...	2	2
Upper Sheringham ...	1	3
Southrepps ...	1	1
Antingham ...	1	1
Roughton ...	1	1
Holt ...	1	1
Hempstead ...	1	1
Kelling ...	1	1
Weybourne ...	1	1
	50	67

TABLE I.
Vital Statistics of Whole District during 1909 and previous Years.

Year.	Popu- lation estimat- ed to, Middle of each year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				TOTAL DEATHS IN PUBLIC INSTI- TIONS IN THE DISTRICT	Deaths of Non- residents regis- tered in Public Institu- tions in the District	NETT DEATHS AT ALL AGES BELONG- ING TO THE DISTRICT.	
		Number.	Rate per 1000 of estimat- ed popu- lation.	Under 1 year of Age.		At all Ages.				Number.	Rate per 1000 of estimat- ed popu- lation.
				Number.	Rate per 1000 regis- tered.	Number.	Rate per 1000 of estimat- ed popu- lation.				
1899	18061	504	27.9	62	123	265	14.67	14	265	14.67	
1900	18251	470	25.7	65	138.29	312	17.09	17	312	17.09	
1901	18556	502	27.05	45	89.64	244	13.14	12	244	13.14	
1902	16659	456	27.3	51	111.84	228	13.68	15	228	13.68	
1903	16895	450	26.6	43	95.5	227	13.43	14	227	13.43	
1904	17079	433	25.35	42	96.09	237	13.64	18	237	13.64	
1905	17304	406	23.4	32	78.81	183	10.57	8	183	10.57	
1906	17502	393	22.45	32	81.42	210	11.99	17	210	11.99	
1907	17679	396	22.39	35	88.38	232	13.12	16	232	13.12	
1908	17863	422	23.62	39	92.41	249	13.93	28	241	13.49	
Aver- ages for years /99—/08.	17584.9	443.2	25.17	44.6	99.53	238.7	13.52	15.9	237.9	13.48	
1909	18031	382	21.13	31	81.15	187	10.31	12	186	10.31	

Area of District in acres (exclusive of area covered by water) ... 60,735
 Total population at all ages at Census of 1901 ... 16,054
 Number of inhabited houses ditto ... 5,782
 Average number of persons per house ditto ... 4.21

TABLE III.
Cases of Infectious Disease notified during the year 1909.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.					Total Cases notified in each Locality.	
	At all Ages.	At Ages—Years.				Cromer Sub-District.	Sheringham Sub-District.
		1 to 5.	5 to 15.	15 to 25.	25 to 65, upwards			65 and upwards
Diphtheria (including Membranous croup) ...	4	1	2	1	—	4	
Scarlet Fever ...	60	36	10	5	—	59	1
Enteric Fever ...	3	2	—	1	—	3	3
Totals ...	67	37	12	7	—	59	8

TABLE IV.
Causes of, and Ages at, Death during Year 1909.

Causes of Death.	Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District.							Deaths at all ages of "Residents" belonging to Localities, whether occurring in or beyond the District.			Total Deaths whether of "Residents" or "Non-Residents" in Public Institutions in the District.
	All ages	Under 1 year.	1 and 5 under 5	5 and 15 under 15	15 and 25 under 25	25 and 65 under 65	65 and upwards	Cromer Sub-District.	Sheringham Sub-District.	Total	
Measles	1	1	—	—	—	—	—	1	—	—	—
Whooping-cough	3	2	1	—	—	—	—	3	—	—	—
Diphtheria (including Membranous croup)	2	—	—	2	—	—	—	1	1	—	—
Enteric Fever	1	—	—	—	—	1	—	—	1	—	—
Erysipelas	1	—	—	—	—	—	—	1	—	—	—
Phthisis, (Pulmonary Tuberculosis)	13	—	—	2	3	7	1	5	8	—	—
Other tuberculous diseases	4	—	—	2	1	1	—	1	3	—	—
Cancer, malignant disease	26	—	—	—	—	12	14	11	15	—	1
Bronchitis	7	1	—	—	—	—	6	2	5	—	—
Pneumonia	9	4	1	1	—	2	1	3	6	—	—
Premature Birth	6	6	—	—	—	—	—	6	—	—	—
Heart Diseases	14	—	—	—	1	5	8	4	10	—	—
Accidents	3	—	—	—	—	3	—	—	3	—	—
All other causes	97	17	4	2	3	15	56	36	61	—	11
All causes	187	31	6	9	8	46	87	74	113	—	12

TABLE V.
 INFANTILE MORTALITY DURING THE YEAR 1909.

Deaths from Stated Causes in Weeks and Months under 1 Year of Age.

Cause of Death.	under 1 wk.	1-2 wks.	2-3 wks.	3-4 wks.	Total under 1 mth.	1-2 mths.	2-3 mths.	3-4 mths.	4-5 mths.	5-6 mths.	6-7 mths.	7-8 mths.	Total under 1 year.
	Measles	—	—	—	—	—	—	—	—	—	—	—	1
Whooping-cough	—	—	—	—	—	—	—	—	—	—	1	1	2
Premature Birth	5	—	—	—	5	1	—	—	—	—	—	—	6
Atrophy Debility Marasmus	5	2	1	—	8	2	—	—	—	—	—	—	10
Convulsions	—	—	—	1	1	2	—	—	—	1	—	—	4
Bronchitis	—	—	—	—	—	—	—	1	—	—	—	—	1
Pneumonia	—	—	—	—	—	—	—	1	—	3	—	—	4
Other causes	—	—	—	—	—	—	1	—	—	1	—	1	3
	10	2	1	1	14	5	1	2	—	5	1	3	31

Births in the Year } Legitimate 357
 } Illegitimate 25
 Deaths in the Year of } Legitimate Infants 28
 } Illegitimate Infants 3

Population estimated to Middle of 1909—19031. Deaths from all causes at all Ages 187.

Cromer Sub-District.

BIRTHS.

		Males.	Females.	Total.
Legitimate	...	94	69	163
Illegitimate	...	4	6	10
		98	75	173

Birth-rate = 20·06 per 1000 of the population.

Increase of Births over Deaths = 99.

DEATHS.

Males.	Females.	Total.
36	38	74

Death-rate = 8·69 per 1000 of the population.

Zymotic death-rate = ·69 per 1000 of the population.

Infantile death-rate = 109·82 per 1000 registered births.

Deaths according to Sex and Ages.

		Males.	Females.	Total.
Under 1 year	...	11	8	19
1 year and under 5 years		1	1	2
5 years	15	2	2	4
15	25	2	2	4
25	65	8	10	18
65	and upwards	12	15	27
		36	38	74

Deaths according to Locality.

Aldborough	...	...	1
Aylmerton	...	...	1
Antingham	...	...	4
Felbrigg	...	...	1
Gimingham	...	...	2
Gresham	...	...	6
Gunton	...	...	—
Hanworth	...	...	4
Knapton	...	...	1
Metton	...	...	—
Mundesley	...	...	11
Northrepps	...	...	4
Overstrand	...	...	1
Roughton	...	...	3
Runton	...	...	4
Sidestrand	...	...	1
Southrepps	...	...	12
Sustead	...	...	2
Suffield	...	...	4
Thorpe Market	...	...	3
Trimingham	...	...	2
Trunch	...	...	5
Thurgarton	...	...	2
			—
			74
			—

Cases of Infectious Disease.

			Scarlet Fever.	Total.
Runton	...	...	42	42
Overstrand	...	...	4	4
Thorpe Market	...	...	3	3
Trimingham	...	...	3	3
Metton	...	...	3	3
Northrepps	...	...	2	2
Southrepps	...	...	1	1
Antingham	...	...	1	1
Roughton	...	...	1	1
			—	—
			60	60
			—	—

Sheringham Sub-District.

BIRTHS.

		Males.	Females.	Total.
Legitimate	...	100	94	194
Illegitimate	...	9	6	15
		109	100	209

Birth-rate=21·94 per 1000 of the population.

Increase of Births over Deaths=96.

DEATHS.

Males.	Females.	Total.
52	61	113

Death-rate=11·86 per 1000 of the population.

Zymotic death-rate=·21 per 1000 of the population.

Infantile death-rate=57·41 per 1000 registered births.

Deaths according to Sex and Ages.

		Males.	Females.	Total.
Under 1 year	...	6	6	12
1 year and under 5 years		2	2	4
5 „ „ 15 „		—	5	5
15 „ „ 25 „		2	2	4
25 „ „ 65 „		17	11	28
65 „ and upwards	...	25	35	60
		52	61	113

Deaths according to Locality.

Baconsthorpe	...	...	3
Barningham Norwood	...	...	1
„ Winter	...	...	2
Beckham East	...	...	—
„ West with Workhouse	...	...	15
Beeston Regis	...	...	2
Bessingham	...	...	1
Bodham	...	...	7
Briston	...	...	11
Cley-next-the-Sea	...	...	10
Edgefield	...	...	3
Glandford-cum-Bayfield	...	...	1
Hempstead	...	...	2
Holt	...	...	23
Hunworth	...	...	2
Kelling	...	...	5
Letheringsett	...	...	6
Matlaske	...	...	1
Plumstead	...	...	3
Salthouse	...	...	7
Sheringham Upper	...	...	3
Stody	...	...	—
Thornage	...	...	1
Weybourne	...	...	4

Cases of Infectious Disease.

	Diphtheria.	Typhoid Fever.	Total.
Sheringham Upper ...	—	3	3
Holt ...	1	—	1
Hempstead ...	1	—	1
Kelling ...	1	—	1
Weybourne ...	1	—	1
	<hr/>		
	4	3	7
	<hr/>		

Annual Report of the Medical Officer of Health for the Year 1909, for the Rural District of Erpingham,

on the administration of the Factories and Workshop Act, 1901, in connection with

Factories, Workshops, Workplaces, and Homework.

1.—Inspection of Factories, Workshops, and Workplaces.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises. (1)	Number of		
	Inspections. (2)	Written Notices. (3)	Prosecutions. (4)
FACTORIES (Including Factory Laundries)			
WORKSHOPS (Including Workshop Laundries)	12	1	
WORKPLACES (Other than Outworkers' premises included in part 3 of this Report)	96	13	
TOTAL	108	14	

2.—Defects found in Factories, Workshops, and Workplaces.

Particulars. (1)	Number of defects.			Number of prosecutions. (5)
	Found (2)	Remedied (3)	Referred to H.M. Insp't'r (4)	
<i>Nuisances under the Public Health Acts:—</i>				
Want of cleanliness	13	13	—	—
Want of ventilation	—	—	—	—
Overcrowding	—	—	—	—
Want of drainage of floors	—	—	—	—
Other nuisances	1	1	—	—
Sanitary accommodation { insufficient	—	—	—	—
{ unsuitable or defective	—	—	—	—
{ not separate for sexes	—	—	—	—
<i>Offences under the Factory & Workshop Act:</i>				
Illegal occupation of underground bakehouses (s. 101)	—	—	—	—
Breach of special sanitary requirements for bakehouses (ss. 97 to 100)	—	—	—	—
Other offences (Excluding offences relating to cut-work which are included in Part 3 of this report)	—	—	—	—
Total	14	14	—	—