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Contributors

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REPORT

ON THE

SANITARY CONDITION

OF THE

MALTON URBAN SANITARY DISTRICT

AND THE ADMINISTRATION THEREIN OF THE

Factory & Workshop Act, 1901,

FOR THE YEAR 1906,

BY

HENRY MAINWARING HOLT,


M.R.C.S., L.S.A., D.P.H., &C.,

MEDICAL OFFICER OF HEALTH.

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THE SANITARY CONDITION
OF THE
Malton Urban Sanitary District,
DURING 1906.

REPORT OF THE MEDICAL OFFICER OF HEALTH
TO THE SANITARY COMMITTEE.

GENTLEMEN,

Area of the District.

The area of the District is 4,130 acres.

Population.

For the purposes of this Report, an estimate is required of the number of persons living in the district at Mid-summer, 1906. The estimate for 1906 is 4,758 persons, being the number found by the last census.

Vital Statistics and Tables.

Since the population of your district may be regarded as stationary, I have taken the number recorded at census of 1901, namely, 4,758, as the basis of my calculations. The tables which follow are in accordance with the requirements of the Local Government Board, and should afford valuable information both to the Board, the County Council and the District Council.

Birth-rates.

Table I. deals with the vital statistics of the whole district.

The number of births during the year 1906 was 114, the rate therefore being 23·95 per 1,000. There were 16 deaths under 1 year of age, the rate of mortality therefore being 140·35 per 1,000 births registered.

TABLE I. BIRTHS AND DEATHS (Whole District.)

Malton Urban District.	Population estimated to Middle of each Year.		Births.		Deaths under One Year of Age.		Deaths at all Ages. Total.		Deaths at all Ages. Nett.				
	2	3	4	Rate*	Number.	Rate per 1000 births registered.	Number.	Rate*	Number.	Rate*			
1					5	6	7	8	9	10	11	12	13
1896	4720	125	26.48	19	152.00		83	17.58	10	6	No returns.	83	17.58
1897	4684	119	25.40	12	100.84		75	16.01	6	2		75	16.01
1898	4684	129	27.54	21	169.35		74	15.79	7	1		74	15.79
1899	4684	128	27.32	21	164.06		87	18.57	8	1		87	18.57
1900	4684	124	26.47	18	161.29		92	19.64	20	12		84	17.07
1901	4758	130	27.32	11	87.69		73	15.34	16	11		62	13.03
1902	4758	104	21.85	10	96.15		78	16.39	14	7		71	14.92
1903	4758	140	29.42	15	107.14		79	16.60	11	5	74	15.55	
1904	4758	108	22.70	12	111.11		90	18.91	17	12	78	16.39	
1905	4758	132	27.74	10	75.00		84	17.65	20	12	72	15.13	
Averages for years 1896-1905.	4724.6	123.9	26.22	14.9	122.46		81.5	17.24	12.9	6.9		76.0	16.00
1906	4758	114	23.95	16	140.35		82	17.23	12	6	2	78	16.39

* Rates in columns 4, 8, and 13 calculated per 1,000 of estimated population.

NOTE.—The deaths to be included in Column 7 of this table are the whole of those registered during the year as having actually occurred within the district or division. The deaths to be included in Column 12 are the number in Column 7, corrected by the subtraction of the number in Column 10 and the addition of the number in Column 11.

BIRTHS AND DEATHS (Localities.)

TABLE II.

NAMES OF LOCALITIES.	Whole District.				St. Mary's Ward.				St. Michael's				St. Leonard's				Workhouse.			
	Population esti- mated to middle of each year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.
1896	4720	125	83	1	880	24	10	2	1759	39	26	3	2081	62	37	13	70		16	1
1897	4684	119	75	12	874	21	10	1	1746	33	28	5	2064	65	31	5	70		16	1
1898	4684	129	74	21	874	23	6	1	1746	41	22	5	2064	65	43	15	70		8	0
1899	4684	128	87	21	874	23	16	2	1746	29	23	3	2064	65	45	15	70	6	9	1
1900	4684	124	92	18	874	20	16	4	1746	39	21	2	2064	56	35	12	70	9	20	0
1901	4758	130	73	11	867	29	7	1	1659	35	9	1	2162	58	41	8	70	8	16	1
1902	4758	104	78	10	867	22	21	3	1659	26	18	1	2162	52	24	6	70	4	15	0
1903	4758	140	74	15	867	27	13	4	1659	44	13	2	2162	58	37	9	70	11	6	0
1904	4758	108	78	12	867	22	19	2	1659	24	17	1	2162	58	37	8	70	4	5	1
1905	4758	132	72	10	867	22	13	2	1659	36	18	0	2162	62	35	7	70	5	18	1
Averages of Years 1896 to 1905	4724.6	123.9	78.6	14.9	871.1	24.5	13.1	1.2	1703.8	34.6	20.0	2.3	2114.7	60.1	36.5	9.8	70	6.7	12.1	.6
1906	4758	114	78	16	867	28	15	6	1659	30	24	5	2162	46	34	5	70	10	5	0

TABLE III. Cases of Infectious Disease notified during the Year 1906.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.					TOTAL CASES NOTIFIED IN EACH LOCALITY.			
	At all Ages.	At Ages—Years.				St. Mary's	St. Michael's.	St. Leonard's.	Workhouse.
		1 to 5	5 to 15	15 to 25	25 to 65				
Diphtheria ..	1	1	..	..	..	1	..	..	..
Erysipelas ...	2	..	..	..	2	2	..	..	..
Scarlet fever .	12	6	4	1	1	5	4	3	.
Enteric Fever.	1	..	..	..	1	..	..	1	..
Totals	16	7	4	1	4	8	4	4	..

The Classification of Death Causes.--The causes of death, as they appear in the following, are systematically arranged.

TABLE IV. Causes of, and Ages at, Death during year 1906.

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.	St. Mary's	St. Michaels	St. Leonards	Work-house	
Whooping Cough	1	1					1		1	1		1
Diarrhoea	1	1			1	2	1		2	1	1	1
Phthisis	4		1		1							
Other tubercular diseases	2					4	5	1	3	5		1
Cancer, malignant disease	9					1	1	2	1	1		
Bronchitis	4	1	1			1	2	1	2	2		
Pneumonia	4				1			1		1		
Premature birth.....	2	2										
Diseases and Accidents of parturition.....	5	5		1		7	2	3	2	5	1	3
Heart diseases	10					2		2	2	1		
Suicides	2					10	17	7	11	13	3	6
All other causes.....	34	6	1									
All causes	78	16	3	1	3	27	28	16	25	31	6	12

Infantile Mortality During the Year 1905.—Deaths from stated Causes in Weeks and Months
under One Year of Age.

TABLE V.

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.
Whooping Cough							1				1						1
Diarrhoea, all forms																	1
Gastritis, Gastrointestinal Catarrh							1										1
Premature birth		1															1
Congenital Defects	3	1							1								5
Atrophy, debility, maras- mus	1		2													1	3
Bronchitis						2					1						1
Other causes																	3
	4	2	2			2	2		1		2					1	16

Births in the year—legitimate 97, illegitimate 17.

Deaths from all Causes at all Ages 78.

Death-rates.

The total number of deaths registered in the district was 82 giving a gross rate of 17·23 per 1,000. Of the total deaths 11 occurred in the Workhouse, and of these 6 did not belong to the district, one case occurred in the Cottage Hospital, the nett deaths are therefore 78, and the rate 16·39 per 1,000. Taken in conjunction with the age distribution in this district this rate is highly satisfactory.

Table II. deals with the vital statistics for the various Parishes.

Table III. shows that 16 cases have been notified during the year. I have kept a graphical record of the numbers of cases notified since 1891, and I am able to state that they show a gradual decrease, especially Erysipelas, Diphtheria, Typhoid, and Continued Fever, whilst Small Pox and Puerperal Fever disappear after 1894. The wave for Scarlet Fever shows that the maxima were reached in 1892 and 1905, and the minimum in 1899 when no cases were reported.

Table IV. tabulates the causes of death. I must again state that Tubercular diseases still claim an undue prominence in these returns, exactly 108 cases have been reported in 16 years, being an average of 6·75 per annum, giving a death-rate of 1·41 per 1,000. Of these 108 cases Phthisis contributes 74. The total deaths from notifiable infectious diseases for the same period number 26, that is an average of 1·62 per annum, contributing 0·34 to the death-rate. Tubercular diseases are therefore four times more fatal than all the notifiable infectious diseases taken together.

Table V. relates to Infantile Mortality. I regret that I am unable to state the number of deaths of illegitimate children to the total deaths of children under one year, which number 16. Of the 114 births 17 are illegitimate, giving an approximate ratio of 1 to 7. It would be helpful if the deaths of illegitimate children under one year were indicated in the death returns.

The subjects concerning which the Local Government Board desire to obtain definite information will be found under the various headings as set forth in the Board's memorandum as to the Annual Reports of Medical Officers of Health. 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 a history of local sanitary questions which may seem superfluous for the latter may often be needed by the former bodies.

Section 132 of the Factory and Workshop Act 1901, which came into force on the 1st January, 1902, requires that "The Medical Officer of Health of every District Council, shall, in his annual report to them, report specifically on the administration of this Act in workshops and workplaces, and he shall send a copy of his annual report or so much of it as deals with this subject, to the Secretary of State." Such is included in the present report as required.

House Accommodation.

I am glad to report that there is a general improvement in working class dwellings throughout the district, in many cases two cottages have been made into one dwelling with distinct advantage to the inmates. Taking the district as a whole there is ample space about the dwellings, many having a large amount of garden space. The old-fashioned small cottages are gradually being replaced, and those existing are not let to persons having large families. There is still a want for more up-to-date dwellings at a small rental, but the problem of building them to pay is not easy of solution in this district. It has not been found necessary to take any action under the Housing of the Working Classes Act during the year.

Sewage and Sewage Disposal.

The district is well adapted for drainage purposes by the natural formation of the land. The chief sewers are constructed of sanitary pipes of diameters varying from 9 to 18 inches, according to the requirements of the area, and at the heads of the main sewers are placed flushing tanks of a capacity of about 4,000 gallons each. These are filled with water containing a disinfectant, and are discharged twice a week, using something over 24,000 gallons of water.

The sewers are ventilated by means of vertical shafts leading from the crown of the sewer to surface gratings in the streets, as also by cast iron pipes run up by the sides of buildings in suitable positions.

The frequent flushings render the sewers free from deposit, whilst the number of inlets and outlets provide efficient means of ventilation. The night soil is conveyed to a specially built dépôt adjoining the railway, there is seldom a large store because of the demand created by the farmers in the district.

Ordinary Sanitary Operations.

The ordinary sanitary operations of this department have received unremitting attention. The pail system has been gradually extended, replacing the old midden system of which few representatives remain. The houses of the better class in the district are furnished with water-closets, and, with a few exceptions, these are of the modern type. As a result of inspection it is found that such water closets are usually efficiently disconnected and ventilated.

House to house inspections of cottage property have been made, gullies, passage drains, etc., have been scoured and kept in order, and the systematic removal of house refuse at stated intervals, has been carefully superintended.

Water Supply.

The water supplied to the district is of excellent quality, the quantity pumped during the past year has been 67,806,845 gallons, giving an average daily consumption for all purposes of 37,154 gallons per head of the population.

Common Lodging Houses.

There is only one common lodging house in the district, and this has been duly visited and inspected during the year.

Slaughter House.

The new slaughter house continues to meet the requirements of the Sanitary Authority. By a mutual arrangement any suspected animal or carcase is reported to the sanitary officials, and I find that as a matter of practice this is a great advance upon the old condition of things, there are fewer attempts to palm off inferior meat, not unfrequently the owner of a doubtful carcase desires inspection of such carcase by the officials, and if such carcase is found unfit for human food after due examination, permission is given to the Sanitary officials to destroy it.

It is satisfactory to report that there has been no occasion for legal proceedings to be taken during the year.

I have also to note for the information of the Local Government Board and County Council, that private slaughter houses are not permitted by the Estate Authorities.

Dairies, Cowsheds, and Milk Shops.

The regulation of dairies, cowsheds, and milk shops and the supervision of milk-sellers have had systematic attention during the year. Special care is taken that the ventilation, lighting, cleansing, drainage and water supply of the premises used for the milk trade are efficient. The register of cow-keepers has been revised, from which it appears there are 28 persons registered, the majority of these keep two or three cows. The district is also supplied with milk from outside dairies.

Bakehouses.

The various bakehouses in the district have been inspected and found in a satisfactory sanitary condition.

Public Elementary Schools.

The public elementary schools throughout the district have been frequently visited and inspected during the year, and I have to report them as being in a satisfactory sanitary condition.

I take this opportunity of thanking the various masters and mistresses of such establishments for their ready and cordial co-operation in all matters relating to the prevention and spread of disease amongst their respective scholars.

The school attendance during the year has been highly satisfactory with the exception of a week or so before the Christmas holidays, when the general prevalence of influenza caused a rapid decline.

Inspection of District—Nuisances.

The whole of the district has been inspected during the year, and I am pleased to state that more interest is taken in sanitary matters by the people themselves than was formerly the case, there are fewer nuisances of a serious character, and more ready compliance to abate minor faults when pointed out by the sanitary officials.

On the other hand there are certain nuisances which have been brought before the Council on several occasions, and I cannot too strongly recommend the local authority to enforce due compliance with its orders. An abstract of the nuisances dealt with during the year together with a second relating to the nuisances above referred to will be found in the appendix.

Procedure in cases of Infectious Diseases.

Every case is reported to the Sanitary Inspector, who visits, issues instructions, and reports to the Medical Officer of Health upon the sanitary condition of the premises, nature of water supply, origin of milk supply, and school attended; disinfectants are supplied gratis, and when necessary, or required to do so, the Medical Officer of Health accompanies the Sanitary Inspector. Schoolmasters are notified of the existence of any infectious disease occurring at the homes of their respective scholars, and a certificate is required from the medical attendant certifying the pupil fit to return to school.

Disinfection—The "Thresh" portable disinfecter is available on the requisition of a medical practitioner that such is necessary.



THE FACTORY & WORKSHOP ACT, 1901.

The administration of the FACTORY AND WORKSHOPS ACT, 1901, within the MALTON URBAN DISTRICT for the year 1906, by Henry Mainwaring Holt, M.R.C.S., L.S.A., D.P.H., Medical Officer of Health.

GENTLEMEN,

During the year the sanitary condition of the factories and workshops throughout the district have had the attention of the sanitary officials, and have been found in accordance with the Act above quoted. When every little milliner's or dressmaker's workroom is included there are only some 42 places that can possibly come under the Act. There are 2 breweries, 2 flour mills, 2 engineers and implement makers, the rest are small concerns. There are no factories employing 40 persons, few workshops employing 10 persons. The bake-houses usually employ a man and a boy. No list of out-workers has been received from any employer in this district; neither is there any return of outworkers from other Councils nor from this Council to any others.

Under these circumstances the chief duties of the sanitary officials in this district are much the same as those before the passing of the above named Act. Nuisances relating to cleanliness, ventilation, overcrowding and drainage including the proper provision of suitable sanitary accommodation are dealt with under the Public Health Acts.

I am glad to report that in all cases where any defect has been pointed out by the officials of this Council to any employer or occupier, the requirements of the Act have been at once complied with, hence it has not been found necessary to report in any case with a view to prosecution.

I beg to remain,

Yours obediently,

H. M. HOLT.

APPENDIX—A.

Schedule of Nuisances for Year ended Dec. 31st, 1906.

Description of Nuisance.	Number reported.	Number abated.	No. promised abatement.	Number in Abeyance	Total.
Asphalte (defective)	7	3	2	2	7
Buildings (dangerous)	2	..	..	2	2
Do (insanitary)	4	2	..	2	4
Gullies do.	1	1	..	..	1
House Drains (defective)	5	3	..	2	5
Overcrowding	2	2	..	..	2
Piggeries (insanitary)	1	1	..	..	1
Privies (insanitary)	2	1	..	1	2
Totals	24	13	2	9	24

ROBT. RICHARDSON,
Borough Surveyor and Sanitary Inspector.

APPENDIX—B.

Schedule of unabated Nuisances brought forward to Dec. 1906.

Description	Number.
Ashpits	2
Bedroom Accommodation (defective)	1
Buildings (dangerous)	11
Gullies (defective)	1
House Drains (defective)	3
Privies (insanitary)	3
Sinks do.	1
Spouting (defective).....	1
Yard Areas (require paving)	2
Total	25

ROBT. RICHARDSON,
Sanitary Inspector.

