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Contributors

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❁ 1914. ❁

THE THIRTY-SEVENTH

Annual Report

OF

MEDICAL OFFICER OF HEALTH

OF THE

URBAN SANITARY AUTHORITY

OF

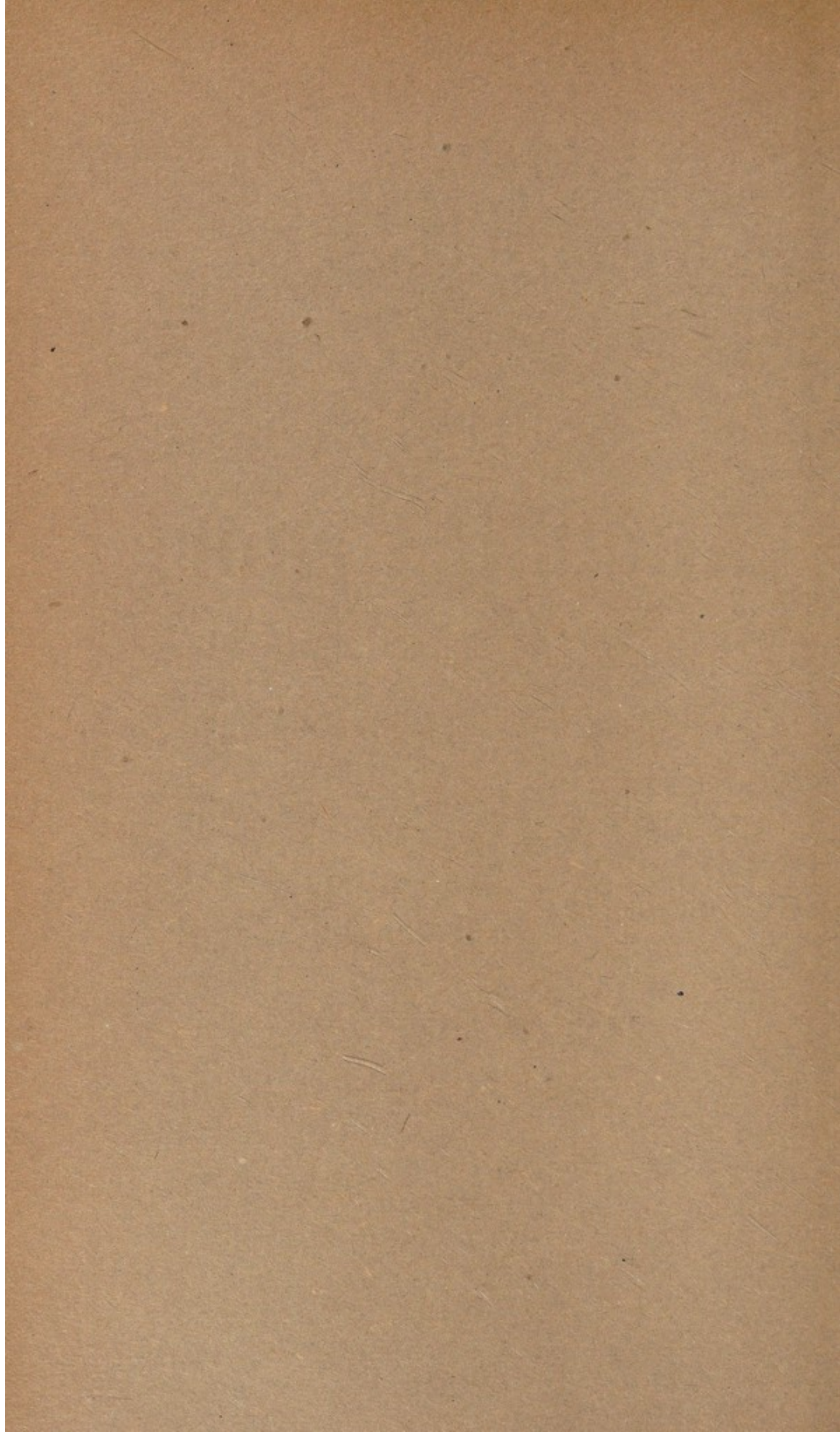
EAST DEREHAM,

NORFOLK.

EAST DEREHAM :

Printed by GEO. COLEBY, Stationer, 30, Market Place.

1915.



Report for 1914.

VITAL STATISTICS FOR THE YEAR.

Area of Parish of East Dereham ...	5,299 acres
(Exclusive of Water).	

Number of Inhabited Houses, 1911	1,413
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Population of East Dereham, Census 1911	...	5,729
" " " Census 1901	...	5,545
" " " Census 1891	...	5,524
Increase during decade, 1891-1901	...	21
" " " 1901-1911	...	184
Estimated Population 1914	...	5,745

NETT BIRTHS IN 1914.

			Males.	Females.	Total.
Legitimate	...	..	49	45	94
Illegitimate	...	...	2	6	8
			—	—	—
			51	51	102
			—	—	—

The Birth Rate	...	...	17.7 per 1,000 Population.
The Legitimate Birth Rate	...	...	16.4 " "
The Illegitimate Birth Rate	...	...	1.3 " "
" " "	...	...	78.4 per 1,000 Births.

NETT DEATHS IN 1913.

Males.	Females.	Total.
47	46	93

Death Rate 16.18 per 1000 Population.

DEATHS ACCORDING TO AGES.

Under 1 year	12
1 year and under 2 years	3
2 years " 5 "	5
5 " " 15 "	1
15 " " 25 "	2
25 " " 45 "	8
45 " " 65 "	20
65 years and upwards	42
	—
	93
	—

The Deaths occurred in the following Months :—

	Males.	Females.	Total.
January	6	7	13
February	6	3	9
March	4	2	6
April	6	5	11
May	4	4	8
June	2	2	4
July	4	2	6
August	2	2	4
September	3	8	11
October	2	5	7
November	1	3	4
December	7	3	10
	—	—	—
	47	46	93
	—	—	—

5 Coroner's Inquests have been held.

The Deaths occurred in the following Months :—

January	...	...	...	...	3
February	...	...	...	...	2
March	...	...	...	...	1
April	...	...	...	...	—
May	...	...	...	...	1
June	...	...	...	...	1
July	...	...	...	...	1
August	..	...	...	...	—
September	...	...	...	...	2
October	...	...	...	...	1
November	...	...	...	...	—
December	...	...	...	...	—
					12

CASES OF INFECTIOUS DISEASE NOTIFIED DURING 1914.

NOTIFIABLE DISEASE.	Number of Cases Notified at subjoined ages.							
	At all ages.	Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 and upwards.
Diphtheria ..	3	..	..	3	..	..	..	..
Scarlet Fever ..	14	..	2	9	3	..	..	..
Enteric Fever ..	1	..	..	1	..	..	..	..
Totals ..	18	..	2	13	3	..	..	..

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.								
	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 ..	93	12	3	5	1	2	8	20	42
{ Uncertified	..	..	..	..	..	..	..	..	..
Measles	4	1	2	..	1	..	..	..	..
Phthisis (Pulmonary Tuberculosis)	6	..	..	..	..	1	5	.	..
Tuberculous Meningitis	4	..	..	3	..	..	1	..	..
Other Tuberculous Diseases	1	1	..	..	..	..	1	..	..
Cancer, malignant disease	13	..	..	..	..	..	1	2	10
Organic Heart Disease ..	13	..	..	..	..	..	..	3	10
Bronchitis	5	1	..	..	..	..	..	1	3
Pneumonia (all forms) ..	5	1	..	..	..	..	..	2	2
Appendicitis and Typhlitis	1	..	..	..	..	..	..	1	..
Cirrhosis of Liver ..	3	..	..	..	..	..	..	2	1
Nephritis and Bright's Disease	5	..	..	1	..	..	1	2	1
Congenital Debility and Malformation, including Premature Birth ..	7	7	..	..	..	..	..	..	..
Suicide	1	..	..	..	..	..	..	1	..
Other Defined Disease ..	18	1	1	1	..	1	..	6	8
Diseases ill-defined or un- known	7	..	..	..	..	..	..	..	7
Totals	93	12	3	5	1	2	8	20	42

VITAL STATISTICS OF WHOLE DISTRICT DURING 1914 AND PREVIOUS YEARS.

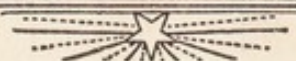
YEAR.	Population estimated to middle of each year.	BIRTHS.			Total Deaths Registered in the District.			Transferable Deaths.		Nett Deaths belonging to the District.			
		Uncorrected Number.	Nett.		Number.	Rate per 1000 Population.	Rate per 1000 Population.	of Non-residents registered in the District.	of Residents not registered in the District.	Under 1 Year of Age.		At all Ages.	
			Number.	Rate per 1000 Population.						Number.	Rate per 1000 Births.	Number.	Rate.
1909	5545	111	..	..	85	15.3	15.3	..	4	13	117.1	89	16.05
1910	5545	121	..	..	65	11.72	11.72	..	6	8	66.11	71	12.8
1911	5729	106	108	18.85	67	11.69	11.69	..	9	9	83.3	76	13.26
1912	5725	113	115	20	70	12.2	12.2	1	10	11	95.6	79	13.78
1913	5745	128	128	22.24	61	10.65	10.65	..	10	7	54.68	71	12.33
1914	5754	100	102	17.7	79	13.77	13.77	..	14	12	117.6	93	16.18

NOTE.—This Table is arranged to show the gross births and deaths in the district, and the births and deaths properly belonging to it with the corresponding rates. For years before 1911 some of the corrected rates are not available.

BIRTHS AND DEATHS FOR YEARS 1878-1914.

Year.	Births.	Deaths.		
		All Ages.	Under 1 year.	Principal Zymotic Diseases.
1878	186	113	31	—
1879	180	118	19	6
1880	163	95	22	12
1881	185	85	25	10
1882	166	95	24	10
1883	196	108	22	7
1884	178	100	29	6
1885	153	90	22	2
1886	169	98	32	17
1887	170	74	19	4
1888	167	114	31	25
1889	183	84	23	4
1890	147	106	31	7
1891	146	108	19	9
1892	147	98	23	5
1893	156	87	19	6
1894	132	68	10	3
1895	157	90	31	6
1896	145	78	14	3
1897	147	97	25	8
1898	133	62	26	7
1899	151	95	26	10
1900	134	94	24	7
1901	124	79	20	6
1902	146	79	20	5
1903	124	78	24	4
1904	121	80	11	5
1905	104	77	8	5
1906	118	65	11	2
1907	129	78	15	2
1908	119	92	12	7
1909	111	89	13	3
1910	121	71	8	2
1911	108	76	9	—
1912	115	79	11	1
1913	128	71	7	2
1914	102	93	12	—

REPORT FOR 1914.



The Dereham Urban District consists of the town of E. Dereham and various hamlets surrounding it.

The various hamlets have the usual characteristics of rural districts and have to be treated as such. There being no water supply, except from shallow wells; no sewage works or public scavenger.

The town of East Dereham has public water supply and sewage works. The Waterworks and Gas Works belong to the town.

The working class houses may be roughly divided into two classes.

- 1—Old houses from 100 to 400 years old.
- 2—Modern houses, chiefly built in rows, and of the same type.

The old houses are roughly grouped together in the South and West of the town, and have been brought up to date as much as possible.

The modern houses are of the usual style, consisting of front room, back room, scullery, and usual outbuildings, with two or three bedrooms.

These houses are generally connected with the sewers and have the town water laid on.

The Waterworks are on an uninhabited hill to the North of the town.

The well consists of brickwork for the first 52 feet, and then of cement lined cast-iron cylinders for a further 91 feet.

At the bottom of the well is 4 feet of Concrete, so that the well is perfectly watertight.

It passes through the following strata :—

Soil	...	...	...	2 feet.
Brown sand and gravel	...			5 "
Brown brick earth and flints	...			4 "
Brown strong clay	...	...		6 "
Brown sand and gravel	...			1 "
Grey marly clay	...	...		6 "
Brown sand and gravel	...			3 "
Coarse flint and gravel	...			10 "
Light brown sand and gravel				18 "
Red sand and gravel	...	...		14 "
Light red sand	...	...	...	20 "
Red sand and small flints	...			4 "
Dark bluish clay	...	...		26 "
And under this the chalk.				

It will be seen that the hill has a crust of 16 feet consisting of brick earth and clay, over 69 feet of sand and gravel, before reaching the dense layer of impervious boulder clay through which the well passes into the chalk below.

It is therefore obvious that there can be no possibility of contamination.

The water is ample in quantity and its purity can be gathered from the following analysis :—

Free ammonia	...	...	...	·020 per 100,000
Albumenoid ammonia	...			·003 " "
Chlorine	...	...	...	1·500 " "
Nitrogen as nitrates and nitrites				·000 " "
Total hardness	...	...		16 degrees.
Iron	...	...	...	a trace.

The only objection to this was the hardness and trace of iron.

The iron which comes from the bore pipe in solution, on exposure to the air oxidyses and deposits in the pipes, so rendering the water turbid when there is any unusual demand. To obviate this a softening process has been established and all the water from the well is now treated before being supplied to the town, so that, when the water is delivered to the consumer, the hardness is reduced to 8 degrees and there is no trace of iron.

The sewerage system is in good working order.

As much of the of the ordinary storm water as possible is dealt with by a separate system, which takes the water direct to a stream.

SEWAGE WORKS.—Prior to 1896 the sewage was disposed of on a sewage farm, which followed the usual procedure and became clogged.

After much consideration it was decided by the Council to adopt the, then, new method of Bacteriological treatment.

The method that then promised the best results was the septic tank and filter beds.

Our experience was that of others ; the filter beds became clogged by the calloid matter formed in the septic tank.

Continuing with the septic tanks, we then tried Stoddart's filters and circular filters with fidian distributors.

This for the same reason did not continue to give satisfactory results. In addition, the sewage, which had been treated in the septic tanks, gave off very offensive effluvia on being exposed to the air.

Consequently in 1907 we abolished the septic tank system and installed Dibden's slate beds, carrying the effluent from these to large circular filters, with fidian distributors. The result is quite satisfactory. We get a good effluent, deal with the whole of our sewage, and there is no offensive smell.

The few cases of infectious disease call for no comment.

The action of the Council in 1907, in deciding to pay for bacteriological examination in suspicious cases of Diphtheria, Typhoid and Tuberculosis, has enabled us frequently to prevent epidemics.

The Council has now sanctioned the employment of a competent Bacteriologist in any case of Cerebro-spinal Fever, to decide the diagnosis and isolate the contacts, if they are found to be infectious.

The cases occurred in the following months and districts:—

January	...	...	...	6
February	...	...	...	1
March	...	..	...	2
April ...	...	...	...	1
August	...	...	...	3
September	...	...	...	1
October	...	...	...	1
November	...	...	...	2
December	...	...	...	1
				—
				18
				—
Becclesgate	...	...	...	1
Cemetery Road		...	...	1
Commercial Road		...	...	2
Cowper Road ...		...	...	2
Crown Road ...		...	...	1
London Road ...		...	...	1

Market Place ...	...	...	1
Norwich Road ...	...	...	5
Park Road ...	...	...	1
Quebec Road ...	...	...	1
Swaffham Road	...	...	1
Theatre Street ...	...	...	1
			—
			18
			—

The following bacteriological examinations were made:—

		Positive.	Negative.
Diphtheria ...	14	2	12
Typhoid ...	1	1	—
Tuberculosis ...	13	2	11

From August 5th to the end of the year we had soldiers billeted in the town, at one period about 1500. This of course gave a considerable amount of extra work to the Sanitary Inspector and his staff, who carried out their duties in a most satisfactory manner.

The milk supply is good. The cowsheds and dairies have been inspected.

The bake-houses and slaughter-houses have been inspected, and are in good order.

Scavenging :—This is done by the Council's employees, who use properly covered carts.

Movable ash tins are now almost universal.

HOUSING OF THE WORKING CLASSES ACT.

The number of dwelling-houses inspected under and for the purpose of section 17 of the Act of 1909 ... 139

The number of dwelling-houses which, on inspection, were considered to be in a state so dangerous or injurious to health, as to be unfit for human habitation o

The number of representations made to the local authority with a view to the making of closing orders	...	0
The number of closing orders made	...	0
The number of dwelling-housing, the defects in which were remedied without the making of closing orders		83

The General Character of the Defects found to exist.—

	Number.	Remedied.	Not Remedied.
Want of Ventilation	19	17	2
Defective guttering & spouting	3	3	—
Ditto gullies	4	4	—
Ditto walls	1	1	—
Insufficient or unsuitable closet accommodation	71	69	2
Improper refuse disposal	64	64	—

The Closets were many of them of the privy type with large uncemented vaults, and in many cases one served two houses. 49 vault closets were converted to pails, 17 new pail closets built, 4 new W.C.'s built or converted, 4 defective W.C.'s repaired.

Ten new houses were erected in accordance with the bye-laws.

D. TURNER BELDING,

Medical Officer of Health.



The Urban District of Dereham.

DETAILS OF WORK PERFORMED BY SANITARY INSPECTOR for Year ending 31st December, 1914.

Complaints received	...	...	...	4
Houses and Premises Inspected	...	...	...	194
Nuisances detected	...	...	...	104
Nuisances abated ...	...	...	...	102
Overcrowding abated	...	...	...	1
Total number of Notices served	...	...	...	39
Accumulation of Manure removed	...	...	...	2
Filthy Houses cleansed	...	...	...	1
Insufficient Ashbins replaced by Sanitary Tins	...	...	...	64
Houses and Premises Disinfected	...	...	...	25
Defective W.C.'s repaired	...	...	...	4
Defective Pails replaced	...	...	...	3
Vault Closets converted to Pails	...	...	...	49
New Closets (pail type) built	...	...	...	17
New W.C.'s built or converted	...	...	...	4
Samples of Water taken for Analysis	...	...	...	2
Bake-houses inspected	...	...	...	7
Slaughter-houses inspected	...	...	...	7
Dairies and Cowsheds inspected	...	...	...	5
Factories, Workshops and Workplaces inspected	...	...	...	23

INSPECTION OF FACTORIES, WORKSHOPS & WORKPLACES.

Including Inspections made by Sanitary Inspectors or Inspectors
of Nuisances.

Premises.	Number of		
	Inspection.	Written Notices.	Prosecutions.
Factories (Including Factory Laundries)	17	..	..
Workshops (Including Workshop Laundries)	23	1	..
Workplaces (Other than Outworkers Premises)	..	..	..
TOTAL ..	40	1	..

DEFECTS FOUND IN FACTORIES, WORKSHOPS AND
WORKPLACES.

Particulars.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied.	Referred to H.M. Inspector.	
Want of Cleanliness	1	1	..	..

