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HEALTH
A 17 OCT 1944
C.R. 37

Borough of Rugby.



ANNUAL REPORT

OF THE

HEALTH OF THE DISTRICT

FOR THE YEAR 1943,

BY

H. GIBBONS WARD, M.D., D.P.H.,

MEDICAL OFFICER OF HEALTH

OF THE

Warwickshire Combined Districts.

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1, MILVERTON HILL,
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July, 1944.

To the Rugby Borough Council.

MR. MAYOR, MRS. GREEN, AND GENTLEMEN,

Herewith the Report for 1943 ; this is the 25th Report which I have presented to you.

As instructed by the Ministry of Health, the Report is only a short statement of fact. All available information is being kept for record and can be produced.

With many thanks for much kindness on the part of the members of the Council and my colleagues.

I am, Mr. Mayor, Mrs. Green, and Gentlemen,

Your obedient Servant,

H. GIBBONS WARD,
Medical Officer of Health.

Borough of Rugby.

A. EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

Population (estimated) Mid-year, 1943	—
Birth Rate	19.6
Still Births—Rate per 1,000 total births	24
Death Rate	10.6
Deaths from Diseases and Accidents of Pregnancy and Child-birth	—
(From Sepsis and other causes)	1
Death Rate of Infants under 1 year of age :—	
All Infants per 1,000 live births	39
Legitimate Infants per 1,000 legitimate live births	38
Illegitimate Infants per 1,000 illegitimate live births	57
Deaths from Measles (all ages)	3
" " Whooping Cough (all ages)	1
" " Diarrhoea (under 2 years of age)	3

B. GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

1.—*Public Health Officers.*—Mr. D. H. Evans resigned from the staff in April, 1943, and Mr. W. Henderson joined the staff in July, 1943, as Temporary Additional Sanitary Inspector.

6. *Laboratory Facilities.*—The following Table shows the number of bacteriological examinations by Birmingham University :—

	Positive.	Negative.	Total.
Diphtheria	6	98	104
Enteric Fever	—	—	—
Tuberculosis	3	29	32
			136

C. SANITARY CIRCUMSTANCES OF THE AREA.

1. (1) *Water.*—Additional sources of raw water have now been obtained and this has considerably improved the general position. Thirteen samples of water supplied for domestic consumption have been examined during the year and all gave satisfactory results.

(2) *Drainage and Sewerage.*—Working under considerable war difficulties, the two sewage disposal works have continued to give satisfactory effluents.

The total number of cleansings of pail closets during the year was 12,971.

2. *Rivers and Streams.*—The condition of the Avon deteriorated somewhat towards the end of the year due to the discharge of industrial effluents to the river. The lengthy investigation is still going on, and although there was a ready response to the quick action taken, the problem has proved to be by no means simple.

3. (1) *Closet Accommodation.*—Approximately 230 pail closets and earth closets remain in the area added in 1932. Owing to war conditions action has not been possible to reduce this figure.

(2) *Public Cleansing.*—Refuse collection has been carried out in an efficient manner by fortnightly collections of domestic refuse. Salvage continues to be maintained at a good level.

The scavenging of streets has been carried out satisfactorily.

(3) *Swimming Baths.*—The purity of the water both in the Open and Closed baths has been maintained.

D. HOUSING.

General Observations.—No systematic house-to-house inspection has been carried out.

The total number of dwelling houses inspected under the Public Health or Housing Acts during the year is 142, and the number of visits made for the purpose is 665. In consequence of 193 notices served in respect of houses found not to be in all respects reasonably fit for human habitation 140 houses were rendered fit.

E. INSPECTION AND SUPERVISION OF FOOD.

(a) *Milk Supply.*—During the year the following samples were taken:—

- (1) 12 ordinary milks for bacteriological examination.
- (2) 24 ordinary milks for biological examination.
- (3) 88 milks for chemical analysis.

Results of the examinations or analyses:—

- (1) 5 were satisfactory.
2 were not satisfactory.
5 fairly satisfactory.
- (2) 21 gave negative results.
1 a positive result and there were two failures.
- (3) 87 were genuine.
1 was not genuine.

The vendors and producers of the unsatisfactory samples submitted for bacteriological examination were notified of the results and advised in the methods of clean milk production.

Under the National Milk Testing and Advisory Scheme 282 samples were taken and forwarded to the Area Laboratory for examination.

(b) *Meat Inspection*.—All slaughtering for Rugby and district has been carried out at the Ministry of Food Cattle Market Slaughterhouses. All condemned meat and offals have been sent by the Ministry to a waste utilisation plant at Northampton.

It is necessary for an Inspector to be on duty during the whole of the time that slaughtering is taking place, and the Chief Sanitary Inspector and Mr. Masi act as Meat Inspectors for the Ministry. The centralisation of slaughtering has helped in the inspection of meat in the town, and the following is a summary of the animals slaughtered and meat condemned during the year:—

	<i>Beasts.</i>	<i>Cows.</i>	<i>Sheep.</i>	<i>Pigs.</i>	<i>Calves.</i>	<i>Total.</i>
Animals slaughtered and carcasses inspected	2,354	491	15,842	402	2,138	21,227
<i>Meat Condemned:</i>						
Tuberculosis:						
Whole carcasses	15	30	—	—	1	46
Part carcasses and /or organs ...	262	123	—	41	2	428
% of animals affected	...11.77	31.16	—	10.19	0.14	2.23
Other diseases:—						
Whole carcasses	12	15	119	4	26	176
Part carcasses and /or organs ...	291	87	269	21	4	672
% of animals affected	...12.87	20.77	2.45	6.22	1.40	3.99
% of total of animals affected	24.64	51.93	2.45	16.41	1.54	6.22

Weight of meat condemned in pounds:—

	<i>Whole</i>	<i>Part</i>	<i>Organs</i>	
	<i>Carcases.</i>	<i>Carcases.</i>	<i>(estimated).</i>	<i>Total.</i>
Beasts ...	8,514	3,958	17,296	29,768
Cows ...	18,011	1,274	12,388	31,673
Sheep ...	3,831	346	990	5,267
Pigs ...	856	953	207	2,016
Calves ...	1,079	4	240	1,323
	<hr/>	<hr/>	<hr/>	<hr/>
	32,391	6,535	31,121	70,047

Making a total of 31 tons 5 cwts. and 47 lbs.

(c) *Bakehouses*.—There are 26 bakehouses, including factory bakehouses, on the Register, and these have been visited and supervised, and are generally well maintained and kept in a clean condition.

(d) *Food and Drugs Act, 1938*.—The Corporation is responsible for the administration of this Act, and during the year 180 samples have been taken by the Sampling officers of the Corporation and were submitted to the Public Analyst for chemical analysis. 171 samples were reported upon as being genuine, and 9 samples were not genuine.

Legal proceedings were instituted in respect of one unsatisfactory sample.

VI. PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASE.

Incidence of Commoner Infectious Disease since 1934.

		Diphtheria.	Scarlet Fever.	Enteric Fever.	Pneumonia.	Encephalitis Lethargica.	Puerperal Pyrexia.
1935 ...	—	84	191	1	26	—	—
1936 ...	—	127	86	—	48	—	8
1937 ...	—	71	163	—	84	—	22
1938 ...	—	37	55	4	33	—	16
1939 ...	—	5	37	—	53	—	14
1940 ...	—	37	144	—	60	—	14
1941 ...	—	49	94	2	85	—	8
1942 ...	—	13	66	—	61	—	17
1943 ...	—	13	43	—	80	—	7

Reference to Table III. will give the age incidence of the cases notified during 1943.

Small pox.—No cases were notified during the year.

Diphtheria.—During the past year there were 13 cases notified, with no deaths.

Of the cases, 13 were taken to the Isolation Hospital.

The cases were distributed throughout the town; 3 occurred in the same Institution. In no case had immunisation been carried out.

Diphtheria Immunisation.—Continued during the year and at the end of 1943, 3,597 school children had been treated and 1,336 under school age giving a total of 4,408.

School Closures.—Nil.

Non-notifiable Infectious Disease.—There was nothing of special note.

Notification of infectious disease occurring amongst the children at school is duly sent by the teachers.

PREVALENCE OF, AND CONTROL OVER, TUBERCULOSIS.

AGE—PERIODS	NEW CASES.				DEATHS.			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	M.	F.	M.	F.	M.	F.	M.	F.
0	—	—	—	—	—	—	—	—
1	—	—	1	1	—	—	1	1
5	—	—	1	1	—	—	—	1
15	10	8	1	3	2	—	—	—
25	9	5	2	2	1	3	—	—
35	6	2	—	1	1	1	—	—
45	3	1	—	—	1	—	—	—
55	4	—	—	—	7	—	—	—
65 and upwards	1	—	—	—	1	—	—	—
TOTALS	33	16	5	8	13	4	1	2

During the past year there have been notified 62 cases. In 49 cases the lungs were affected, and the remaining 13 the disease affected other parts of the body.

Of the 62 new cases notified during the past year, 8 have died during the year.

Treatment.—During the past year 39 cases have been admitted to a Sanatorium for treatment.

28 cases were discharged after treatment.

REPORT OF SANITARY INSPECTOR.

A copy of this report has been received and kept for reference.

TABLE I

BOROUGH OF RUGBY.

SUMMARY OF SANITARY WORK DONE IN THE SANITARY INSPECTOR'S
DEPARTMENT DURING THE YEAR 1943.

	Inspections and Observations made.	Notices served.		Nuisances Abated after Notices.
		Statu- tory.	In- formal.	
Dwelling Houses and Schools ...	665	5	188	140
Cowsheds	115	—	—	—
Lodging Houses	14	—	—	—
Tents, Vans and Sheds	7	—	—	—
Dairies and Milkshops	150	—	9	3
Bakehouses	31	—	—	—
Slaughter Houses	675	—	—	—
Ashpits and Privies	—	—	—	—
Deposits of Refuse and Manure ...	221	—	1	1
Water-closets	46	—	—	—
House Drainage	122	3	8	11
Water Supply	13	—	—	—
Pigsties	34	—	—	—
Animals improperly kept... ..				
Smoke Nuisances	16	—	—	—
Other Nuisances	339	—	27	13
TOTALS	2448	8	233	168

	No.
Seizures and Surrenders of Unwholesome Food (except meat)	218
Samples of Food taken for analysis	180
Samples of Food found adulterated	9
Samples of Water taken for Analysis	1
Samples of Water condemned as unfit for use	1

PRECAUTIONS AGAINST INFECTIOUS DISEASE.

Lots of Infected Bedding Disinfected or Destroyed	1518
Rooms of Houses Disinfected after cases of Infectious Diseases	95
Schools ditto ditto ditto	—

T. BARTLETT,
Chief Sanitary Inspector.

TABLE II.
BOROUGH OF RUGBY.

VITAL STATISTICS OF WHOLE DISTRICT DURING 1943 AND PREVIOUS YEARS.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		NETT DEATHS BELONGING TO THE DISTRICT.			
		Nett.		Under 1 Year of age.		At all Ages.	
		Number.	Rate.	Number.	Rate per 1,000 Nett Births.	Number.	Rate.
1	2	3	4	5	6	7	8
1937	37,260	498	13.4	20	40	420	11.3
1938	38,130	544	14.6	21	39	410	10.7
1939	—	—	14.0	—	36	—	11.6
1940	—	—	13.9	—	48	—	12.2
1941	—	—	15.6	—	44	—	11.0
1942	—	—	17.1	—	31	—	9.6
1943	—	—	19.6	—	39	—	10.6

TABLE III.

BOROUGH OF RUGBY.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE
YEAR 1943.

NOTIFIABLE DISEASE.	Number of Cases notified.							Total cases removed to Hospital	Total Deaths.
	At all Ages.	At Ages—Years.							
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.		
Small-pox									
Plague									
Diphtheria (including Mem- branous Croup)	13	3	3	5	2			13	
Erysipelas	7			2	2	2	1		
Scarlet Fever	43	13	25	3	2			38	
Typhus Fever									
Enteric Fever	1	1							
Pneumonia	80	6	9	12	9	17	20	7	17
Malaria	1				1				
Dysentery	2	1					1		
Puerperal Pyrexia	7			3	4				
Cerebro-spinal Meningitis	2		1	1				1	
Poliomyelitis	2	1	1						
Encephalitis Lethargica									
Ophthalmia Neonatorum	1	1							
Polio-Encephalitis									
Pulmonary Tuberculosis	49		18	22	8	1			17
Other forms of Tuberculosis	13	2	2	4	5				3
Totals	221	8	30	43	45	55	31	9	52

TABLE IV.
BOROUGH OF RUGBY,

CAUSES OF DEATH DURING THE YEAR 1943.

CAUSES OF DEATH.	MALES.	FEMALES.
All Causes	232	230
1 Typhoid and Paratyphoid Fevers ...	—	—
2 Cerebro Spinal Fever	—	—
3 Scarlet Fever	—	—
4 Whooping Cough	—	1
5 Diphtheria	—	—
6 Tuberculosis of Respiratory System ...	13	3
7 Other Forms of Tuberculosis	1	2
8 Syphilitic Diseases	1	—
9 Influenza	7	7
10 Measles	1	2
11 Ac. Polio-Myel and Polio-Enceph. ...	—	—
12 Ac. Infant Enceph.	—	—
13 Cancer of B. Cav. and Oesoph (M.) Uterus (F.)	1	4
14 Cancer of Stomach and Duod.	6	2
15 Cancer of Breast	—	7
16 Cancer, other Sites	22	16
17 Diabetes	2	2
18 Intra Cran. Vasc. Lesions... ..	29	27
19 Heart Disease	48	55
20 Other Dis. Circ. Sys.	3	7
21 Bronchitis	14	10
22 Pneumonia	11	6
23 Other Resp. Diseases	5	6
24 Ulcer of Stomach and Duod.	2	—
25 Diarrhoea (under 2 years)... ..	1	2
26 Appendicitis	1	1
27 Other Digestive Diseases	1	6
28 Nephritis	11	3
29 Puer. and Post Abort Sepsis	—	—
30 Other Maternal Causes	—	1
31 Premature Birth	2	10
32 Con. Mal., Birth Inj., etc.... ..	3	4
33 Suicide	3	4
34 Road Traffic Accidents	2	—
35 Other Violent Causes	4	6
36 All Other Causes	38	36

TABLE IV
 SUMMARY OF RESULTS

Run No.	Time (min)	Yield (%)	Notes
1	10	100	Control
2	15	95	Low temperature
3	20	90	Low temperature
4	25	85	Low temperature
5	30	80	Low temperature
6	35	75	Low temperature
7	40	70	Low temperature
8	45	65	Low temperature
9	50	60	Low temperature
10	55	55	Low temperature
11	60	50	Low temperature
12	65	45	Low temperature
13	70	40	Low temperature
14	75	35	Low temperature
15	80	30	Low temperature
16	85	25	Low temperature
17	90	20	Low temperature
18	95	15	Low temperature
19	100	10	Low temperature
20	105	5	Low temperature
21	110	0	Low temperature