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Borough of Banbury

Annual Report

of the

Medical Officer of Health

and

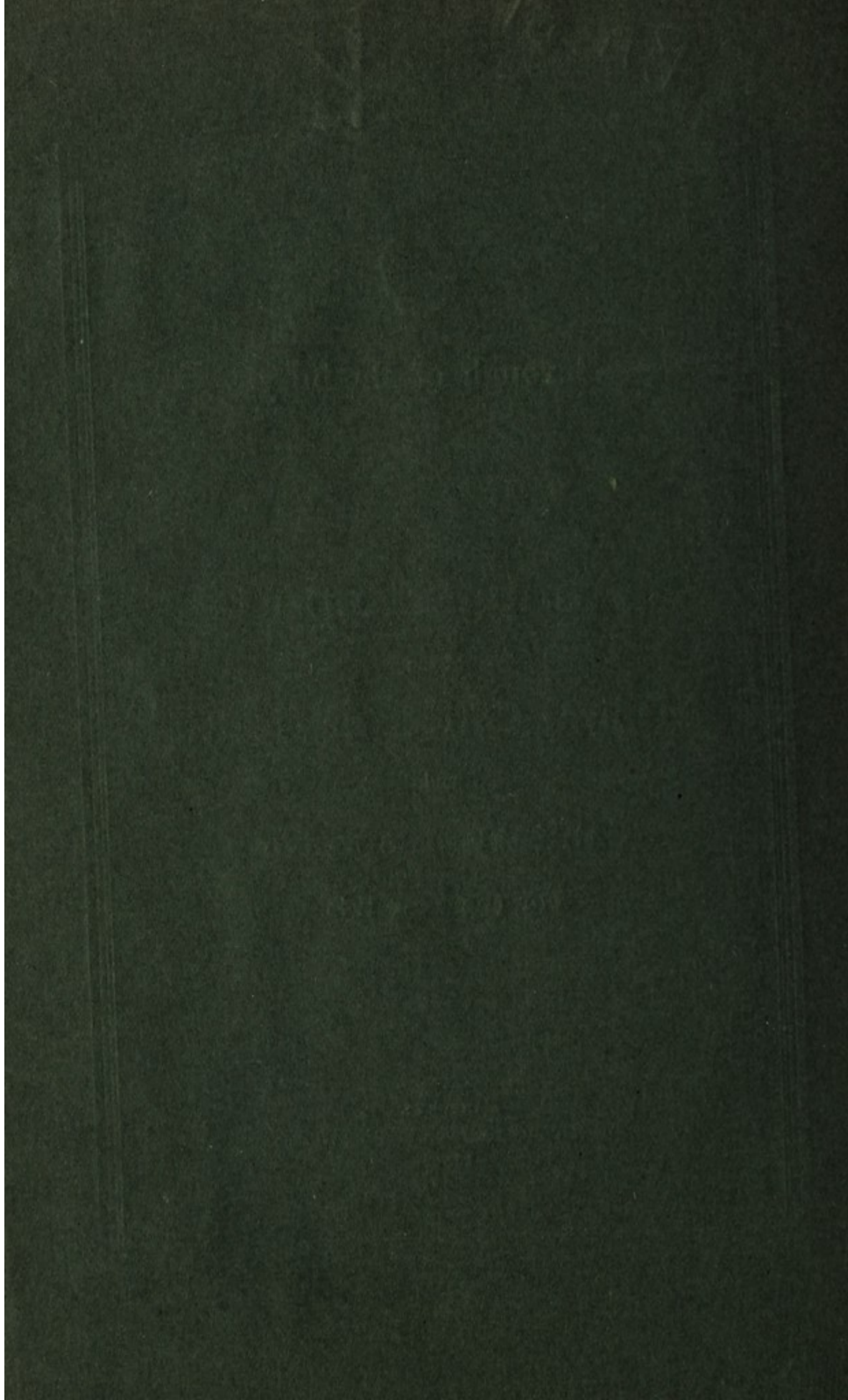
Sanitary Inspector

For the Year 1943

BANBURY :

The Banbury Guardian Printing Works

1944





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BOROUGH OF BANBURY.

STAFF OF THE PUBLIC HEALTH DEPARTMENT.

Medical Officer of Health :

A. J. CAMPBELL, B.Sc. (Oxon), M.D. (St.And.), D.P.H.

Senior Sanitary Inspector and
Certified Inspector of Meat
and Other Foods :

F. G. COBBETT, M.R.SAN.I., M.S.I.A.

Additional Sanitary Inspector :

R. UPTON, A.R.SAN.I., M.S.I.A.

Clerk : R. THOMAS.

Health Visitors :

MISS WHITEWAY, MISS ARBON, MISS IRWIN.

Clerk (Clinic) :

MRS. VIDLER.

Disinfecter : W. J. E. HAYNES.

Part-time Medical Officers.

Ante-Natal Clinic :

MARY FRASER, M.D. (Lond.), D.R.C.O.G., Oxford.

Medical Superintendent Isolation Hospital :

W. H. PHILLIPPS, B.A. (Camb.), M.B. B.Ch., M.R.C.S.
(Eng.), L.R.C.P. (Lond.).

Matron of Isolation Hospital :

MISS K. BRENNAN.



To His Worship the Mayor, Aldermen and Councillors of the
Borough of Banbury.

MR. MAYOR AND GENTLEMEN,—

I beg to submit the Annual Report on the Health Services of the Borough during 1943.

The report is prepared in accordance with Circular 10/44 of the Ministry of Health issued on 15th February, 1944.

The Vital Statistics for the Borough show little change from 1942. The Death Rate and Infant Mortality have increased slightly.

There was a considerable increase in the number of cases of Scarlet Fever, attributable to some extent to overcrowding in the schools and in many of the homes. The number of cases of Diphtheria was very much lower than in 1942 ; over 90 per cent. of the school children and 65 per cent. of the children under school age have been immunised.

There has been a slight decrease in the number of cases of Scabies treated, the decrease being most marked among the school children who are under constant supervision by the Health Visitors.

In conclusion, I should like to thank the Sanitary Inspectors, Health Visitors and Office Staff for their valuable co-operation during the year.

I am,

Your obedient servant,

A. J. CAMPBELL,

Medical Officer of Health.

31st July, 1944.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Extracts from Vital Statistics of the Year.

Live Births.					Males.	Females.	Total.
Legitimate	...	...	...	...	180	171	351
Illegitimate	...	...	...	...	20	6	26
Totals					200	177	377

BIRTH RATE per 1,000 of the Estimated
Population 16.83
(England and Wales—16.5).

Stillbirths.					Males.	Females.	Total.
Legitimate	...	...	...	...	5	3	8
Illegitimate	...	...	...	...	1	0	1
Totals					6	3	9

RATE PER 1,000 (Live and Still) BIRTHS 23.32

Deaths					Males.	Females.	Total.
Deaths	...	...	...	...	84	112	196
DEATH RATE per 1,000 of the Estimated Population 10.69 (England and Wales—12.1).							

Death Rate of Infants under One Year of Age.				Number.	Rate.
All Infants per 1,000 Live Births	...	...	...	15	39.79
Legitimate Infants per 1,000 Legitimate Live Births	...	...	...	14	39.89
Illegitimate Infants per 1,000 Illegitimate Live Births	...	...	...	1	38.42
(England and Wales—49).					

Age at Which Death Occurred.					Males.	Females.	Total.
Under 1 year	...	...	...	...	8	7	15
1 and under 2 years	...	...	...	...	0	1	1
2 and under 5 years	...	...	...	...	1	1	2
5 and under 15 years	...	...	...	...	2	0	2
15 and under 25 years	...	...	...	...	1	4	5
25 and under 45 years	...	...	...	...	3	12	15
45 and under 65 years	...	...	...	...	23	19	42
65 and upwards, including—							
	M.	F.	Total.				
65 and under 70 years...	15	12	27				
70 and under 75 years...	9	13	22				
75 and under 80 years...	13	20	33				
80 and under 85 years...	6	11	17				
85 and under 90 years...	2	9	11				
90 and under 95 years...	0	2	2				
95 and under 100 years..	1	1	2	46	68	114	
Totals					84	112	196

Causes of Death during 1943.					Males.	Females.	Total.
4.	Whooping Cough	...	...	...	0	1	1
6.	Tuberculosis of respiratory system	...	...	...	7	3	10
8.	Syphilitic diseases	...	...	...	2	1	3
9.	Influenza	...	...	...	1	3	4
10.	Meases	...	...	...	1	0	1
13.	Cancer of Mouth and oesophagus (male) and uterus (female)	...	...	...	2	5	7
14.	Cancer of stomach and duodenum	...	...	...	3	2	5
15.	Cancer of breast	...	...	...	0	4	4
16.	Cancer of all other sites	...	...	...	5	8	13
18.	Intra-cranial vascular lesions	...	...	...	9	20	29
19.	Heart disease	...	...	...	18	30	48
20.	Other diseases of circulatory system	...	...	...	0	1	1
21.	Bronchitis	...	...	...	7	4	11
22.	Pneumonia	...	...	...	5	6	11
23.	Other respiratory diseases	...	...	...	1	1	2
24.	Ulcer of stomach or duodenum	...	...	...	1	0	1
25.	Diarrhoea (under 2 years)	...	...	...	0	1	1
27.	Other digestive diseases	...	...	...	3	5	8
28.	Nephritis	...	...	...	2	3	5
30.	Other maternal causes	...	...	...	0	2	2
31.	Premature birth	...	...	...	3	4	7
32.	Congenital malformation, birth, injury, &c.	...	...	...	2	1	3
33.	Suicide	...	...	...	0	1	1
35.	Other violent causes	...	...	...	3	2	5
36.	All other causes	...	...	...	9	4	13
Totals					84	112	196

Deaths from Cancer	...	...	...	29
Deaths from Meases (all ages)...	...	...	...	1
Deaths from Whooping Cough (all ages)	...	...	...	1
Deaths from Diarrhoea (under 2 years)	...	...	...	1

Causes of Death under One Year of Age.					Males.	Females.	Total.
Premature birth	...	...	...	...	3	4	7
Congenital malformation, birth injury, etc.	...	...	...	...	2	1	3
Asphyxia due to suffocation	...	...	...	...	1	0	1
Gastro-enteritis	...	...	...	...	0	1	1
Nephritis	...	...	...	...	1	0	1
Hemorrhagic disease of newborn	...	...	...	...	0	1	1
Infantile convulsions, Debility	...	...	...	...	1	0	1
Totals					8	7	15

MATERNITY AND CHILD WELFARE.

Number of Births notified—365.

- (a) Live Births 359. (b) Stillbirths 6.

There are three Health Visitors.

Number of Visits—

- (1) To Expectant Mothers, first visits—50. Total 101.
- (2) To Children under 1 year, first visits—326. Total 1,391
- (3) To children between 1 and 5 years—1,681.

Number of Children attending Child Welfare Clinic for first time—

- (1) Under 1 year—377.
- (2) Between 1 and 5 years—136.

Total number of Children attending Child Welfare Clinic at end of year—

- (1) Under 1 year—226.
- (2) Over 1 year—287 (including 13 Evacuees).

Day Nurseries.

There are three War-Time Nurseries now functioning in the Borough—one at Horton View, one in the People's Park and one in Middleton Road. The People's Park and Middleton Road Nurseries each accommodate 40 children, while at the Horton View Nursery the accommodation is for 30. Medical Inspections are carried out at frequent intervals. Practically all the children are immunised for Diphtheria either before or shortly after admission.

Up to the present on account of the shortage of Dentists in the Borough it has not been possible to arrange for a Dental Service for the Day Nurseries.

Ante-Natal Clinic.

This work is carried out by Dr. Mary Fraser, Oxford.

New Cases.....	198
Subsequent Attendances.....	648
	846
Total	846

This makes an average of 17 patients per clinic and the average number of attendances 4.2 per patient.

The number of post-natal cases attending is still very small, only 12 having attended in 1943.

Fifty per cent. of the cases attending are confined at the Warwick Road Hospital.

Maternity Hospital.

The Council has now acquired The Elms, Oxford Road, Banbury, for a Maternity Hospital. It is intended to provide 12 beds there.

Arrangements have also been made with the Public Assistance Committee for the Council to accept responsibility for Borough Maternity cases at Warwick Road Public Assistance Institution.

Maternal Deaths.

Two maternal deaths occurred during the year, both from causes other than puerperal infection. This gives rather a high maternal death rate.

Total Maternal Death Rate.....	5.1
England and Wales.....	3.28
Puerperal Infection ...Nil	England and Wales... .73
Other Causes	5.1 England and Wales...1.55

Home Helps.

It is difficult to obtain a suitable supply of home helps in the Borough, but Circular 2729 of the Ministry of Health on this subject has been considered by the Maternity and Child Welfare Committee and efforts are being made to obtain women suitable for this work.

Supervision of Midwives.

This is carried out by the Oxfordshire County Council, which is the local supervising authority under the Midwives Act, 1902-1936.

Dental Treatment for Expectant Mothers.

On account of the shortage of dentists in the Borough, it has been so far difficult to arrange this, but a scheme has been prepared and is being considered by the Maternity and Child Welfare Committee.

Orthopaedic Clinic.

The Surgeon's visits at the Orthopaedic Clinic at the Horton General Hospital have now been resumed under Mr. J. Trueta, of the Wingfield Morris Orthopaedic Hospital, Oxford.

Pediculosis.

With reference to Circular 2831 of the Ministry of Health on this subject, the same facilities are available for children under 5 as in the case of school children. The Health Visitors include the examination of children's heads as part of their duties both in the homes and at the Clinic. Suitable combs and supplies of lethane are available at the Clinic.

SANITARY CIRCUMSTANCES OF THE AREA.

Water Supply.

The water is taken from the River Cherwell and Sor Brook, and during the year 1943 the supply was constant and sufficient. It is treated by sand and mechanical filters and as an additional safeguard is chlorinated.

Six samples of the water were taken during the year for chemical analysis and bacteriological examination, and the reports of the Public Analyst showed that the water was, in each case, safe for use as a public supply.

Apart from one or two isolated houses on the outskirts of the Borough all the houses are connected to the mains.

The total hardness varies from 15 to 20 degrees; there is no question of plumbo-solvency.

The supply to the town has been constant during the year.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.

Notifiable Diseases (other than Tuberculosis) notified during the Year 1943

(Civilians only).

Disease.	Total Cases Notified	Admitted to		Total Deaths
		Isolation Hospital	Other Hospitals	
Scarlet Fever	65	59	—	—
Diphtheria	14	13	—	—
Pneumonia	8	2	1	11
Measles	372	3	—	—
Whooping Cough	49	—	—	1
Cerebro-spinal meningitis	1	—	1	—
Puerperal Pyrexia	2	—	1	—
Dysentery	8	1	—	—
Totals	519	78	3	12

AGE INCIDENCE OF NOTIFIED CASES.

Disease	Age over	1	2	3	4	5	10	15	20	35	45	65
	and under	1	2	3	4	5	10	15	20	35	45	65
Scarlet Fever...	—	—	1	6	10	40	4	1	2	1	—	—
Diphtheria	1	—	—	—	—	9	1	1	1	1	—	—
Pneumonia ...	1	1	—	—	—	—	—	—	—	—	2	4
Measles	18	24	41	52	46	170	10	2	6	3	—	—
Whooping Cough	8	6	5	7	8	13	—	—	—	1	1	—
Cerebro-spinal meningitis ...	—	1	—	—	—	—	—	—	—	—	—	—
Puerperal Pyrexia	—	—	—	—	—	—	—	—	1	1	—	—
Dysentery	—	—	—	—	—	6	2	—	—	—	—	—
Totals	28	32	47	65	64	238	17	4	10	7	3	4

Scarlet Fever.

The incidence of Scarlet Fever in 1943 has been the highest for several years. Sixty-five cases occurred of which 59 were treated at the Banbury Isolation Hospital and 6 were isolated at home. Forty-three occurred in school children, 17 under school age, and 5 over school age. All the infant departments of the elementary schools in the Borough were closed for Scarlet Fever towards the end of October.

Diphtheria.

Fourteen cases occurred, of which 13 were admitted to hospital, while in one case (a young woman) was isolated at home. Ten cases occurred in school children, 7 under school age and 4 over school age. Two mild cases occurred in immunised school children. Four diphtheria carriers were discovered and isolated in hospital.

Diphtheria Immunisation.

During 1943, 272 additional children under five and 355 additional school children were immunised. It is estimated that 90% of the school children and 65% of the children under five have now been immunised.

Measles.

There were 372 cases, 180 in school children, 186 under school age and 11 in adults. Three cases who developed broncho-pneumonia required admission to hospital. There was one death. St. Mary's, Dashwood Road and Grimsbury Council Infants Departments were closed on account of measles.

Whooping Cough.

Forty-nine cases occurred with one death. Thirty-four were under five, 13 of school age and two adults.

Dysentery.

Eight cases occurred. Seven cases of Dysentery due to B. Sonne occurred at Eton House School; one other case in a child of five was due to B. Flexner, and was removed to hospital.

Cerebro-spinal Fever.

One case of Cerebro-spinal Fever occurred in a child aged two, who was treated at Oxford City Isolation Hospital.

School Closures.

For Measles—St. Mary's C. of E. Infants, Dashwood Road Infants, Grimsbury Council Infants. Scarlet fever—All Infant Departments.

Isolation Hospital.

The following are the numbers of cases dealt with during the year :

Disease.	Banbury Borough.	Banbury R.D.C.	Other Areas.	Total.
Scarlet Fever	59	16	3	78
Diphtheria	13	2	1	16
Diphtheria Carriers	4	—	—	4
Measles	3	—	9	12
Pneumonia	2	—	—	2
Dysentery	1	—	3	4
Enteritis	1	—	5	6
Chickenpox	3	—	4	7
Pemphigus	1	—	—	1
Mumps	1	—	4	5
Quinsey	1	—	2	3
Diarrhoea	4	—	—	4
Streptococcal infections	—	1	1	2
Tonsillitis	—	—	10	10
Influenza.....	—	—	1	1
Gingivitis	—	—	1	1
Vincent's Angina	—	—	1	1
Totals	93	19	45	157

One death occurred from diphtheria in the hospital during the year; a child of 11 months from another district who died 48 hours after admission.

Included in the above figures are the following patients which were removed to the Isolation Hospital, Oxford, for treatment :—

Scarlet Fever ...	3	Pneumonia ...	2
Diphtheria ...	1	Dysentery... ..	1

Scabies.

The treatment of scabies was continued at the Clinic during the year 1943. The following table gives particulars of the number of patients treated and the number of treatments given :—

	Borough.	Evacuees.	Total.
Number of Patients receiving treatment at 1st January, 1943	18	2	20
Number of Patients admitted during 1943 :—			
New Patients	96	19	115
Re-infected Patients	25	4	29
Discharges during the year 1943 :			
Cured	114	22	136
Ceased attending, left town, etc....	13	2	15
Transferred to Hospitals, etc. ...	1	0	1
Number of Patients receiving treatment at 31st December, 1943	11	1	12
Number of treatments given	2050	390	2440
Analysis of Patients, 1943 :—			
Under School Age	16	3	19
School Age	86	16	102
Over School Age (including Adults)	37	6	43
Number of Patients in respect of which bedding was disinfected by steam	21	5	26

Laboratory Work.

All public health laboratory work with the exception of water examinations is carried out by the Emergency Public Health Laboratory, South Parks Road, Oxford. Water examinations (chemical and bacteriological) are carried out by Messrs. Bostock Hill and Rigby, of Birmingham.

The following work was carried out by the Emergency Public Health Laboratory during the year.

SWABS	Number examined	397
	Positive for Diphtheria	16
	Positive for Haemolytic Streptococci ...	128
	Positive for Vincent's Angina	16
FAECES	Number examined	72
	Positive for Flexner Bacillus	2
	Positive for Sonne Bacillus	11
	Negative	59
OTHER EXAMINATIONS	Pus	} 104
	Sputum	
	Pleural Fluid	
	Cerebro-spinal Fluid	
	Urine	13
Widal Reactions	5	

FROM BANBURY	Number of Swabs examined	...	...	122
ISOLATION HOSPITAL	Positive for Diphtheria	...	...	30
	Positive for Haemolytic Streptococci	...	...	2
	Faeces	...	...	15

Tuberculosis.

	NEW CASES.				DEATHS.			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	M.	F.	M.	F.	M.	F.	M.	F.
1—5	0	0	0	0	0	0	0	0
5—15	0	0	0	0	0	0	0	0
15—25	2	6	1	1	1	2	0	0
25—35	1	0	0	2	1	0	0	0
35—45	4	0	1	0	1	0	0	0
45—55	1	0	0	0	1	1	0	0
55—65	4	0	0	1	3	1	0	0
65	0	0	0	0	0	0	0	0
Totals ...	12	6	2	4	7	3	0	0

	Pulmonary.	Non-Pulmonary.
Death Rate per 1,000 from Tuberculosis	.545	Nil.
England and Wales	... .557	.111

REPORT OF THE SENIOR SANITARY INSPECTOR for the Year 1943

Inspection of Meat and Other Foods.

(a) Meat Inspection.

During the year 1943 the carcasses, parts of carcasses and offal detailed in the following table, were certified as unfit for human consumption :—

	Cattle	Sheep.	Pigs.	Calves.
Total number of animals slaughtered	1882	12336	550	2672
Carcasses condemned :—				
Tuberculosis	67	—	1	—
Other Causes	30	26	3	3
Parts of Carcasses, Organs and Offal condemned :—				
Forequarters	2	—	—	—
Livers	184	54	4	—
Heads and Tongues ...	25	1	2	1
Lungs	12	—	—	—
Hearts	3	—	—	—
Plucks	—	1	1	—
Fat (in lbs.)	35	—	—	—
Skirt	1	—	—	—
Tripe	1	—	—	—
Runners	1	—	—	—
Meat (in lbs.)	420	108	—	—

An analysis of the numbers of cattle slaughtered and those which were condemned as unfit for human consumption is given below :—

	Number Slaughtered.	Number Condemned.	Per-centage.
Cows	684	87	12.7
Steers and Heifers	1107	8	0.7
Bulls	91	2	2.2

(b) Other Foods.

The following list gives the amount of food (excluding meat) condemned as unfit for human consumption :—

(i) CANNED FOODS.

Luncheon Meats	86	Crayfish	1
Corned Beef	298	Fish Cake Roll	2
Corned Mutton.....	43	Condensed Milk	188
Sausage Meat	21	Evaporated Milk.....	65
Tongue	7	Marmalade, Jam, etc.....	19
Steak	5	Fruits	64
Ham	3	Mixed Vegetables	6
Prem	14	Beans	89
Meat Roll	4	Peas	27
Casserole	10	Tomatoes	1
Soups	28	Carrots	17
Rabbits	1	Celery	1
Salmon	28	Turnips	1
Herrings	15	Rhubarb	2
Sardines	31	Beet	1
Pilchards	92		

(ii) WET FISH.	Stones.		Stones
Mackerel	5	Dogfish	29
Gurnet	10	Herrings	70

(iii) SUNDRIES.	lbs.		lbs.
Biscuits	8	Bacon	310
Cake	108	Cheese	38
Sweets	52	Tea	2
Sugar	250	All Bran.....(pkt)	1
Butter	11	Wheat Flakes.....(pkts)	3
Margarine	10	Eggs	369

Disinfection by Steam.

During the year 1943 a total of 198 separate parcels of bedding, clothing, etc., were disinfected by steam; 99 parcels from the Horton General Hospital, and 99 from other sources.

The particulars of the articles disinfected are given in the following Table :—

Articles.	Horton General Hospital.	Other Sources.	Total
Beds	—	15	15
Mattresses	199	232	431
Blankets	406	1003	1409
Pillows	568	232	800
Quilts	6	55	61
Sheets	30	32	62
Cushions	—	39	39
Carpets and Rugs	—	114	114
Personal Clothing	37	155	192
Curtains	2	43	45
Sundries	50	114	164
Totals	1298	2034	3332
Number of Fillings	110½	121	231½

F. G. COBBETT,

Senior Sanitary Inspector.

May, 1944.

Table 1

The following table shows the results of the analysis of variance for the different factors considered in the study.

The results are presented in the following table.

Factor	Level	Mean	Standard Deviation
Factor A	Level 1	1.5	0.5
	Level 2	2.0	0.6
Factor B	Level 1	1.8	0.4
	Level 2	2.2	0.5
Factor C	Level 1	1.6	0.5
	Level 2	2.1	0.6

CONCLUSION

The results of the analysis of variance show that there are significant differences between the different factors.

