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## BOROUGH OF STAMFORD

## ABBREVIATED ANNUAL REPORT FOR THE YEAR 1943.



## SECTION A. STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area ..... 1918 acres.  
 Population ..... 10,370.  
 Rateable Value ..... £66,350.  
 Sum represented by  
 Penny Rate ..... 2230.  
 Number of inhabited houses  
 from Rate Book..... 2,800.

		M. F.			
Live Births	Total 183	99 84	Birth Rate		Corresponding
Legitimate		86.78	per 1,000		figure for Eng-
Illegitimate		13.11	population	17.6	land & Wales
					15.5
Deaths.	Total 123	60.63	Death Rate		
			per 1,000		
			population	11.7	-do- 13.4
Deaths of Infants under one year					
of age per 1,000 live births				21.8	-do- 49

Birth Rate in the Borough has increased by 1.5 per 1,000 compared with 1942.

Death Rate in the Borough has increased by 2 per 1,000 compared with 1942.

Death Rate of Infants under one year of age per 1,000 live births has decreased by 13.5 compared with 1942.

## SECTION B. - GENERAL PROVISIONS OF HEALTH SERVICES FOR THE AREA.

## LABORATORY FACILITIES.

Provided by contract of £10 per annum with the Emergency Public Health Laboratory of the Ministry of Health at Peterborough Memorial Hospital. This service continues to be of immense value

## SECTION C. - SANITARY CIRCUMSTANCES IN AREA.

## 1. (1). WATER.

The Borough is supplied with a piped supply owned by the Marquess of Exeter, K.G., C.M.G., and drawn from four sources:-  
 Bone Mill.  
 Whitewater - Supplies south of the river Welland.  
 Wothorpe.

Northfields.

Bore-hole Supplies north of the river Welland.

All supplies are chlorinated at source.

Bacteriological reports have shown satisfactory results throughout the year. Supply is constant and has proved adequate. 95% of the houses have water laid on to the kitchens.

## SECTION D. - HOUSING.

## OVERCROWDED.

23 Houses were inspected of which 3 were overcrowded.  
 2 Cases of overcrowding were abated.  
 3 Houses on inspection were found to be infested with bugs.  
 3 With fleas, 2 with lice.  
 7 Houses were disinfested by the Council, while 2 were disinfested by owners.

SECTION B. - INSPECTION & SUPERVISION OF FOOD.

Meat & other foods.

VISITS.

No. of visits to slaughter-houses, shops, bake-houses, dairies and other premises where food is prepared for sale 475  
 Inspection of cowsheds, dairies and milk vehicles..... 201

Other miscellaneous inspections including infected houses and food decontamination preparations etc..... 246

Total..... 922

MEAT INSPECTION.

It has been possible to maintain 100% inspection throughout the year the total number of animals slaughtered and inspected being.....8474

Table 1.

	<u>CATTLE.</u> <u>excl'dg. COWS.</u>					<u>COWS.</u>	<u>CALVES.</u>	<u>SHEEP.</u>	<u>PIGS.</u>
No. of animals inspected.	853					194	42	7,115	270
<u>Tuberculosis only.</u>									
No. of whole carcasses and offals condemned.	4					5	2	-	9
No. of carcasses of which some part or organ was condemned.	75					39	1	1	34
Percentage of carcasses affected with tuberculosis.	9.26%					22.68%	7.14%	0.014%	15.93%
<u>Diseases other than T.B.</u>									
No. of whole carcasses and offals condemned.	2					2	2	20	20
No. of carcasses of which some part or organ was condemned.	95					22	6	395	29
Percentage of carcasses with diseases other than T.B	11.37%					12.37%	19.05%	5.83%	18.15%

TABLE 2. DETAILS OF CONDEMNED MEAT SHOWN IN ABOVE TABLE.

<u>Meat condemned.</u>	<u>Beef.</u>	<u>Mutton.</u>	<u>Pork.</u>	<u>Veal.</u>
Whole carcasses & Offals.	13	20	29	4
Heads	61	3	25	1
Tongues	60	3	25	1
Pairs of Lungs	84	192	13	2
Livers	93	192	1	-
Plucks (Complete)	1	7	10	1
Fats (Mesenteric)	48	1	26	-
Spleens	4	0	4	-
Hearts	2	6	4	-
Kidneys	7	15	2	-
Udders	10	-	-	-
Forequarters (whole)	11	5	1	-
Hindquarters (whole).	7	-	-	-
Other parts of carcasses	40	58	9	3

CONT'D.



The following imported meat has also been condemned:-

3.

Hindquarter                      Beef 1.      Pork Loins 8.      Ribs Livers 4.

Total weight of meat condemned      -      26,422 lbs.

#### Other Foodstuffs.

Summary of larger amounts of food stuffs condemned:-

Tinned meat.	963lbs	Tinned fish.	555tins
Bacon & Ham	271lbs.	Condensed milk	25tins
Fish.	2cwt. 5st.	Cheese.	7½lbs.

#### MILK AND DAIRIES.

During the year the registers were revised and brought up to date. There were registered at the end of the year:-

Cowkeepers & Wholesale & Retail Purveyors	3
Wholesale & Retail Purveyors with dairies	1
Retail Purveyors with Dairies.....	7
Wholesalers & Retailers without Dairy in Borough.....	2
Retailers without premises in Borough....	7
TOTAL	20

Additions to Register during the year .....1  
Removals from " " " " .....3

In February a scheme for "rationalised delivery" of milk was instituted in the Borough with fixed registration of consumers. It was therefore decided to operate a scheme for the monthly sampling of all milks for cleanliness tests: this has been maintained throughout the year. Samples are taken either in the town or on the farm in the latter case by officials of neighbouring authorities, with whom the necessary information is exchanged.

In May this plan was merged with the Ministry of Agriculture Milk Testing Scheme at the request of this authority.

In all 197 samples were taken in the town during 1943 and the results of 57 other samples of milk retailed in the town were notified by other authorities.

#### RESULTS OF SAMPLES.

Tests showed that 82% of samples were classed as Category A.  
12%      - do -      - do -      B.  
5%      - do -      - do -      C

In cases of Category B & C samples special visits were made to the producer or retailer in the Borough. In no case were these 2nd Grade results persistent, subsequent tests being Category A. No special report to the Health Committee was deemed necessary concerning any particular supply.

The scheme has worked well - samples have shown a steady improvement during the year. I strongly recommend its continuance.

18 Samples of Pasteurised or Heat-treated milk were taken and of these 11 satisfied the prescribed Plate Count Test for pasteurised milk. The phosphatase Test gave satisfactory reaction in 15 cases but 11 of the samples contained B.Coli in 0.01 or 0.1 ml.

2 Samples of brine cooled accommodation milk were subjected to Plate Count and B.Coli tests with very unsatisfactory results. Endeavours were being made to exclude milk from this Collecting Centre from the Borough at the end of the year and these have since proved successful.

CONT'D.



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SECTION F. - PREVALENCE OF AND CONTROL OVER INFECTIOUS AND OTHER DISEASE.

Hospital Accommodation.

Cases of Diphtheria, Scarlet Fever, Typhoid and Para-Typhoid and Erysipelas are admitted by contact to Bourne Isolation Hospital at an annual maintenance charge of £180 per annum for 12 patients per year and an additional charge of £2.10.0 per week for all cases over this number. Accommodation has proved adequate.

Cases of Cerebro Spinal Meningitis and Dysentery can be admitted to Bourne Isolation Hospital by special arrangement if accommodation permits.

Minor Infectious Disease Hospital - The White House, Stamford.  
20 Beds.

Cases of minor infectious disease (Measles, Rubella, Chicken-pox, Mumps, and Whooping Cough) occurring amongst evacuees are admitted to the White House. Transport is provided by the Kesteven Civil Defence Ambulance Service.

During the year 11 evacuees and 14 children normally resident in Stamford or neighbourhood have been admitted; of this latter group most of the children have been suffering from contagious skin diseases e.g. Impetigo and Scabies. The Local Authority concerned has been responsible for the payment of a weekly maintenance charge of 30/- per case.

Admissions were from Stamford and other parts of Kesteven, Peterborough, and Ketton Rural District.

DIPHTHERIA IMMUNIZATION.

Total number of children immunized since the Council Scheme was adopted.....1,366.

Percentage Immunizations performed since the commencement of the Anti-Diphtheria campaign:-

	Dec'40	Sept'41	June'42	Dec'42	June'43	Dec'43.
Under 5 years.	Nil except for a few Private Immunizations.	23.3%	19%	25%	40%	45.5%
5 - 15 Years.		59%	71%	72.6%	73.4%	81%

Target at which reasonable degree of immunity can be expected:-

Under 5 years ..... 75%  
5 - 15 years ..... 80%

Total number of recorded complete immunization during the year 1943:-

	Under 5	5 - 15 years.
Broad St.Clinic by the M.O.H.	167	103

As a result of the June immunization figure of 40% for the Under 5 age group it was decided to intensify the immunization campaign in conjunction with the Ministry of Health's summer scheme.

CONT'D.

The local Press gave valuable assistance in publicity and education and the Clinic was opened once weekly instead of once per month.

In addition V.D. Members of the Stamford Red Cross undertook a house to house visitation to explain the advisability and importance to child life of early immunization against diphtheria. Their efforts were an outstanding success and were to a great extent responsible for the improved returns as shown in December.

One case only of Diphtheria was reported during the year; this was a patient aged 16, who was un-immunized and who undoubtedly came to Stamford with the infection.

It will be noticed that the immunization of 5 - 15 group is satisfactory but should be improved, but the under 5 age group is still well below target level, even if allowance be made for unrecorded private inoculations.

### SCABIES.

The Stamford Scabies Treatment Clinic under the joint Kesteven County Council Scheme has functioned continuously throughout the year. As compared with 1942, 116 fewer cases have been treated from Stamford Borough. There has, however, been an increase in the number from the surrounding districts of Kotton, Barnack, and Oundle & Thrapston R.D.C. for whom treatment is provided under contract with the Kesteven County Council at £1.1.0 per case.

No patients reported either by General Medical Practitioners or the School Authorities have refused treatment at the Clinic.

### No. of patients treated during the year 1943.

	1. Stamford Borough.	2. Kotton R.D.C.	3. Barnack. R.D.C.	4. Oundle & Thrapston R.D.C.
Adults, Males	9	6	1	1
Adults, Females	29	9	11	3
Children School age & Under	63 (Including 1 F. from S. Kesteven R.D.C.)	21	10	2
<b>TOTAL</b>	<b>102</b>	<b>36</b>	<b>22</b>	<b>6</b>

Average number of attendances to complete a cure..... 5

Maximum number of weekly notifications of fresh cases..... 9

Average number of weekly notifications of fresh cases..... 2

Actual cost of Centre for all patients treated during the year  
excluding Nurses' salaries which is the responsibility  
of the Kesteven County Council..... £40.19. 7½

Average gross cost per patient treated..... 4/11½s.

Total cost to Stamford Borough after refund from Kesteven  
County Council of 7/- per case in column 2, 3, and 4,  
above..... £20.13.0.

Average cost to Stamford Borough per residents treated 4/- shillings



PEDICULOSIS.

Total number of houses wherein occupants were found to  
be infested with head lice..... 8

Total number of infested persons reported..... 25

Most of the cases were treated by the School Medical Service. In two instances informal notices were served on householders with the result that 2 mothers and 16 children were disinfested by Stanford Health Authorities.

The necessary stoving and disinfection of houses and bedding was carried out at the time.

BED BUGS.

3 Houses were disinfested and treated for bed-bugs.  
Bedding was disinfested.

NOTIFIABLE DISEASES REPORTED DURING THE YEAR 1943.

	Total cases notified.	Cases admitted to hospital.	Total deaths.
Diphtheria	1	Nil	1
Scarlet fever	38	28	-
Typhoid & Para- typhoid.	Nil.	-	-
Lobar Pneumonia. (Primary).	4	5	-
Influenzal Pneu- monia.	1	-	-
Cerebro Spinal Fever.	2	2	-
Dysentery	1 (Service).	1	-
Purpurral Pyrexia & Fever.	4	4	-
Erysipelas.	2	1	-
Measles	192	-	-
Whooping cough.	30	1 (plus pneumonia).	-
Malaria	2 (Service).	2	-

Notifications per 1,000 civilian population:-

		Corresponding figures for England & Wales.
Scarlet Fever.	3.6	3.01.
Diphtheria	0.09	0.88
Measles.	18.6	9.88
Whooping cough.	2.9	2.54

(a) CANCER.

No undue prevalence in the district. No treatment or propaganda centre exists.

(b) PREVENTION OF BLINDNESS. Nil.

CONT'D.

(c) TUBERCULOSIS.

<u>Age Periods</u>	<u>Notified during year.</u>				<u>Notified during Year.</u>			
	<u>New Cases.</u>				<u>Deaths.</u>			
	<u>Resp.</u>		<u>Non-Resp.</u>		<u>Resp.</u>		<u>Non-Resp.</u>	
	M.	F.	M.	F.	M.	F.	M.	F.
<u>Years.</u>								
0 - 1	-	-	1	-	-	-	-	-
1 - 5	-	-	-	1	-	-	-	-
5 - 10	-	-	3	4	-	-	1	-
10 - 15	-	-	-	-	-	-	-	-
15 - 25	2	2	1	1	-	2	1	-
25 - 35	-	2	2	-	-	1	-	-
35 - 45	1	-	-	-	-	1	-	-
45 - 55	-	-	-	-	-	-	-	-
55 - 65	1	-	-	-	1	-	-	-
<u>TOTALS.</u>	3		13		5		2	

W. ANLEY HAWES.

May 1944.

Medical Officer of Health.

HJ.



TABLE I									
Summary of the results of the experiments on the effect of the concentration of the solution on the rate of the reaction									
Concentration of the solution (M)	Rate of the reaction (M/min)	Concentration of the solution (M)	Rate of the reaction (M/min)	Concentration of the solution (M)	Rate of the reaction (M/min)	Concentration of the solution (M)	Rate of the reaction (M/min)	Concentration of the solution (M)	Rate of the reaction (M/min)
0.1	0.01	0.2	0.02	0.3	0.03	0.4	0.04	0.5	0.05
0.6	0.06	0.7	0.07	0.8	0.08	0.9	0.09	1.0	0.10
1.1	0.11	1.2	0.12	1.3	0.13	1.4	0.14	1.5	0.15
1.6	0.16	1.7	0.17	1.8	0.18	1.9	0.19	2.0	0.20
2.1	0.21	2.2	0.22	2.3	0.23	2.4	0.24	2.5	0.25
2.6	0.26	2.7	0.27	2.8	0.28	2.9	0.29	3.0	0.30
3.1	0.31	3.2	0.32	3.3	0.33	3.4	0.34	3.5	0.35
3.6	0.36	3.7	0.37	3.8	0.38	3.9	0.39	4.0	0.40
4.1	0.41	4.2	0.42	4.3	0.43	4.4	0.44	4.5	0.45
4.6	0.46	4.7	0.47	4.8	0.48	4.9	0.49	5.0	0.50
5.1	0.51	5.2	0.52	5.3	0.53	5.4	0.54	5.5	0.55
5.6	0.56	5.7	0.57	5.8	0.58	5.9	0.59	6.0	0.60
6.1	0.61	6.2	0.62	6.3	0.63	6.4	0.64	6.5	0.65
6.6	0.66	6.7	0.67	6.8	0.68	6.9	0.69	7.0	0.70
7.1	0.71	7.2	0.72	7.3	0.73	7.4	0.74	7.5	0.75
7.6	0.76	7.7	0.77	7.8	0.78	7.9	0.79	8.0	0.80
8.1	0.81	8.2	0.82	8.3	0.83	8.4	0.84	8.5	0.85
8.6	0.86	8.7	0.87	8.8	0.88	8.9	0.89	9.0	0.90
9.1	0.91	9.2	0.92	9.3	0.93	9.4	0.94	9.5	0.95
9.6	0.96	9.7	0.97	9.8	0.98	9.9	0.99	10.0	1.00

TABLE II

Summary of the results of the experiments on the effect of the concentration of the solution on the rate of the reaction

Concentration of the solution (M)

Rate of the reaction (M/min)

Concentration of the solution (M)

Rate of the reaction (M/min)

Concentration of the solution (M)

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