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Contributors

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Borough of Berwick upon Tweed.

ANNUAL REPORT
OF THE
MEDICAL OFFICER
OF
HEALTH.

1945.

P. W. MACLAGAN, M.D. MEDICAL OFFICER OF HEALTH





Borough of Berwick upon Tweed.

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P. W. MACLAGAN, M.D. MEDICAL OFFICER OF HEALTH

*To the Mayor, Aldermen, and Councillors
of the Borough of Berwick-upon-Tweed.*

Mr. Mayor, Ladies, and Gentlemen,

I have the honour to submit the report of the Medical Officer of Health for the year 1945.

The births this year numbered 185, giving a birth rate of 17.05 compared with 203 and a rate of 18.95 for 1944. The rate for England and Wales was 16.1 for 1945.

Infant mortality is 48.6 per 1000 births, compared with 19.7 for the previous year, and 46 for England and Wales.

The deaths numbered 148, giving a birth rate of 13.64, compared with 159, and a rate of 14.85 for 1944. The death rate for England and Wales was 11.4.

The average age at death was 67 years 1 month, as compared with 65 years 7 months for the previous year.

Of the total deaths (148) no less than 96, or 65%, were of persons over 65 years of age, compared with 65% for the previous year.

There has been a decrease in deaths from tuberculosis, diabetes, and influenza, and an increase from cancer, cerebral hæmorrhage, heart disease, nephritis, and pneumonia.

The death rate is slightly above normal, and the birth rate slightly lower.

Infectious disease has been comparatively slight.

82% of the children in the borough have now been immunised against diphtheria.

I have the honour to be,

Mr. Mayor, Ladies, and Gentlemen,

Your obedient servant,

P. W. MACLAGAN, M.D.,
Medical Officer of Health.

Sections A. & F.—STATISTICS & GENERAL CONDITIONS

General Statistics.

Area—7,156 acres

Population—1931 census, 12,299. (1921 census, 12,985.)

R.G. est., mid-year 1945—10,850.

No. of Inhabited Houses—3306.

Rateable Value—£70,959 (as at 31st March, 1945).

Sum rep. by 1d. rate—£287 Do.

VITAL STATISTICS.

Extracts from Vital Statistics.

BIRTHS.	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>		
Legitimate	79	79	158		
Illegitimate	18	9	27		
(Reg.-Gen.) Totals	97	88	185	Rate	17.05

DEATHS.		<i>M.</i>	<i>F.</i>	<i>Total.</i>	<i>Rate</i>
(Registrar-General) ...	...	72	82	154	14.29
Deduct 6 deaths (see pp. 5 & 6)		71	77	148	13.64

Number of Women dying in consequence of Child-birth—Nil.

Do. from Sepsis ... Nil

Do. from other causes ... Nil.

Deaths of Infants under 1 year—

	Males	Females	Total.	Per 1000
Legitimate ...	5	—	1	} 48.6
Illegitimate ...	2	—	1	
Deaths from Measles (all ages)	—	—	—	—
Do. Whooping Cough	—	—	—	—
Do. Diphtheria	—	—	—	—
Do. Diarrhoea	—	—	—	—
Do. Scarlet Fever	—	—	—	—
Do Tuberculosis (Pul.)	2	—	1	0.28
Do. do. (Non-Pul.)	1	—	—	0.09

Comparative Birth-rates, Death-rates, Analysis of Maternal Mortality Death-rates, and Case-rates of certain Infectious Diseases.

	No.	Rates per 1000 population.	
		Berwick.	Eng. & Wales
Births—			
Live	185	17.05	16.1
Still	4	0.37	0.46
Deaths—			
All causes	*154 †148	14.29 13.64	11.4
Typhoid & Para. fever	0	0	0
Smallpox	0	0	0
Measles	0	0	0.02
Scarlet Fever	0	0	0
Whooping Cough	0	0	0.02
Diphtheria	0	0	0.02
Influenza	0	0	0.08

Notifications—*			
Typhoid Fever	0	0	0.01
Paratyphoid Fever	0	0	0.01
Cerebro-spinal Fever	1	0.09	0.05
Scarlet Fever	4	0.36	1.89
Whooping Cough	12	1.08	1.64
Diphtheria	0	0	0.46
Erysipelas	1	0.09	0.25
Smallpox	0	0	0
Measles	4	0.36	11.67
Pneumonia	2	0.18	0.87
Acute Encephalitis Lethargica	0	0	0.0
Ophthalmia Neonatorum	0	0	0.0

Rates per 1,000 Live Births—			
Deaths under 1 year	9	48.6	46
Deaths from diarrhoea and enteritis under 2 years	0	0	5.6

Maternal Mortality rates (per 1000 total births, i.e., live and still)—			
Puerperal Sepsis	0	0	0.25
Others	0	0	0.08
Total	0	0	0.33

Notifications—			
Puerperal Fever	0	0	} 9.93
Puerperal Pyrexia	0	0	

* Registrar General's figures.

† Excludes 6 deaths, persons resident Scotland (pp. 5 & 6)

Population.

The population, estimated by the Registrar-General for the Borough to mid-year, 1945, is 10,850.

Births.

The births allocated to the Borough by the Registrar-General numbered 185, giving a birth-rate of 17.06. The equivalent figures for the previous year were 203 births, and a rate of 18.96, and the birth-rate for England and Wales was 16.1.

The birth rate is calculated on a population of 10,850.

There were 27 illegitimate births (18 males and 9 females) in the total of 185.

The distribution of the births was as follows:—

	<i>Boys</i>	<i>Girls</i>	<i>Total</i>
Berwick ...	38	36	74
Tweedmouth ...	23	20	43
Spittal ...	16	10	26
Inwards and others	20	22	42
	<hr/>	<hr/>	<hr/>
	97	88	185

Compared with the previous year the township of Berwick shews 12 less births, Tweedmouth 4 less and Spittal 7 more.

Deaths.

The number of deaths belonging to the Borough is 148, giving a death rate of 13.64, as compared with 159 deaths and a rate of 14.85 for the previous year.

The death rate of 1945 is calculated on a population of 10,850 but is not modified by any standardising factor to correct the death rate on account of the age and sex constitution of our population.

From the total deaths assigned to the Borough by the Registrar General, viz., 154, there falls to be deducted 6 deaths belonging to Scotland.

The distribution of the deaths was as follows :—

	Males.	Females.	Total.
Berwick	35	36	71
Tweedmouth	19	31	50
Spittal	15	4	19
Inward Transfers	2	6	8
Total for Boro'	71	77	148
Scottish	1	5	6
Others	...	...	...
Reg.-Gen. Fig.	72	82	154

The under-noted deaths, which are included in the Registrar-General's classification of the causes of death (see p. 8) should be deducted from the deaths assignable to the Borough :—

Reg. No.	M	F	Age	Cause of death	Assignment
37	1	...	7 hrs.	Prematurity	Glasgow
75	...	1	63 yrs.	Cerebral hæmorrhage	Melrose
78	...	1	80 yrs.	Myocardial Deg.	Edinburgh
431	...	1	77 yrs.	Heart Disease	Hawick
437	...	1	41 yrs.	Cardio-vas-deg.	Berwickshire
486	...	1	56 yrs.	Suicide	Berwickshire

Ages at Death.

The tables of ages at death is shewn with the percentage of total deaths at the various age periods, compared with the previous 4 years.

Ages.	No. of deaths.			Percentage of Total deaths				
	M	F	Tot.	1945	1944	1943	1942	1941
Under 1	5	3	8	5.41	2.51	6.90	6.12	5.66
1-5	2	1	3	2.03	0.00	1.90	0.68	1.89
5-15	2	...	2	1.36	1.25	1.26	0.68	2.83
15-25	1	3	2	1.36	2.51	2.50	2.72	0.94
25-45	1	9	4	2.70	5.03	6.29	5.44	8.96
45-60	9	2	21	14.20	10.70	16.98	17.01	16.98
60-65	5	7	12	8.11	13.20	12.59	4.76	5.66
65-70	16	7	23	15.50	15.10	9.43	11.56	9.91
70-80	20	30	50	33.80	32.08	23.27	32.66	29.72
80-90	9	11	20	13.50	17.00	16.98	16.33	16.51
90 up.	1	2	3	2.03	0.62	1.90	2.04	0.94
	71	77	148	100.00	100.00	100.00	100.00	100.00

The following table, showing the percentage of total deaths at certain age periods for 1945 and compared with the average percentage for the 10 years 1929-1938 is interesting. It is desirable to have a low percentage in groups I, II, III, and IV and a high percentage in group V.

Age period.	Av. % for 10 years 1929-38.	% for 1945.	Notes re percentage for 1945.
I. Babies under 1	6.56	5.41	Above normal.
II. Infants 1-5	2.85	2.03	„
III. School, 5-15	2.02	1.36	Below normal.
IV Working, 15-65	36.16	26.34	„
V. Retired, 65 up.	52.39	64.86	Highest rate recorded, except 1939.

The high percentage of deaths of persons above 65 years is a regular feature in Berwick, and this year is 64.9%. The following figures shew noteworthy increase in the past 16 years over the previous 10 years.

PERCENTAGE OF TOTAL DEATHS ABOVE 65 YEARS
for five years periods during 26 years. 1918-1943 :—

1918	1919	1920	1921	1922	Avg. %
41	40	43	51	47	44.5
1923	1924	1925	1926	1927	
43	41	42	45	47	43.6
1928	1929	1930	1931	1932	
53	42	49	54	57	51.0
1933	1934	1935	1936	1937	
53	48	50	56	59	53.2
1938	1939	1940	1941	1942	
48	65	58	57	62	58.0
1943	1944	1945			
52	65	65			

Causes of Death.

The following table shews the classification of deaths from all causes (Registrar-General's figures):—

	<i>Males</i>	<i>Females</i>	<i>Totals</i>
1 Typhoid and Paratyphoid Fever	...	...	...
2 Cerebro-spinal Fever	...	...	...
3 Scarlet Fever	...	...	...
4 Whooping Cough	...	...	...
5 Diphtheria	...	...	...
6 Tuberculosis of respiratory system	2	1	3
7 Other forms of Tuberculous	1	...	1
8 Syphilitic diseases	1	...	1
9 Influenza	...	...	...
10 Measles	...	...	...
11 Acute Poliomyelitis and Polioencephalitis	...	...	...
12 Acute infectious encephalitis	...	1	1
13 Cancer of bucal cavity (M) uterus (F)	...	...	...
14 Cancer of stomach and duodenum	3	1	4
15 Cancer of breast	...	3	3
16 Cancer of all other sites	11	3	14
17 Diabetes	...	...	...
18 Inter-cranial vascular lesions	10	12	22
19 Heart Disease	18	29	47
20 Other diseases of circulatory system	2	1	3
21 Bronchitis	3	6	9
22 Pneumonia	3	3	6
23 Other respiratory diseases	...	1	1
24 Ulcer of stomach or duodenum	3	1	4
25 Diarrhœa, under 2 years	...	...	...
26 Appendicitis	...	...	...
27 Other digestive diseases	1	1	2
28 Nephritis	1	2	3
29 Puerperal and post abortive sepsis	...	...	...
30 Other maternal causes	...	...	...
31 Premature birth	2	2	4
32 Congenital malformation, birth injury, etc....	1	1	2
33 Suicide	...	1	1
34 Road traffic accidents	1	...	1
35 Other violent causes	2	1	3
36 All other causes	7	12	19
Totals	72	82	154

Infantile Mortality.

9 deaths of infants under 1 year belonging to the Borough were recorded, giving a rate of 48.6 per 1000 live births as compared 4 deaths and a rate of 19.7 in the previous year. The corresponding rate for England and Wales for 1945 is 46.

CAUSES OF DEATH OF CHILDREN UNDER 1 YEAR

Reg. No.	Age	M	F	Cause
17	5 months	1	...	Acute lobar pneumonia
*37	7 hours	1	...	Prematurity
430	3 months	1	...	Acute Primary Pneumonia
435	2 months	...	1	Prematurity
443	9 days	1	...	Marasmus
448	18 hours	1	...	Prematurity
491	3 weeks	1	...	Congenital syphilis
495	1 hour	...	1	Prematurity
561	2 days	...	1	Early broncho pneumonia

*Belonging to Scotland

Infectious Diseases.

24 cases of infectious diseases were notified, as occurring amongst the civilian population. 24 patients were treated at Berwick I.D. Hospital. Details are as stated on next page.

Diphtheria Immunisation. — 592 children under 5 years of age completed a full course of immunisation and 1318 school children have been immunised, making a total of 1910, or 82% of the children in the Borough immunised under 15 year of age.

	Under 5	5-15	Total
Estimated population as at 31st Dec., 1945	850	1474	2324
Total No. of children immunised as at 31/12/45	592	1318	1910
" " not " "	258	156	414
Percentage of Children immunised	70%	90%	82%

NOTIFIABLE INFECTIOUS DISEASES
(Other than tuberculosis).

	Notified—		Removed to hospital	
	Local		Local	Died
Enteric or Paratyphoid	...		...	...
Scarlet Fever	4		4	...
Diphtheria	...		...	...
Erysipelas	1		...	...
Measles	4		...	...
Whooping Cough	12		...	...
Pneumonia	3		1	1
Cerebro-spinal Fever	...		..	...
Totals	24		5	1

TUBERCULOSIS.

	New cases				Total deaths			
	Pul.		Non-pul.		Pul.		Non-pul.	
	M	F	M	F	M	F	M	F
Under 1 year	...	...	...	...	...	...	...	...
1-5 years	1	2	...	1	...	...	...	...
5-15	...	1	1	...	...	...	1	...
15-25	1	...	...	...	...	...	...	...
25-35	1	1	1	...	...	...	...	...
35-45	1	1	...	...	...	...	...	...
45-55	...	1	...	...	...	...	...	...
55-65	1	...	...	...	1	...	...	...
65 and upwards	...	1	...	...	1	1	...	...
Totals	5	7	2	1	2	1	1	...

NOTIFICATION OF NEW CASES OF TUBERCULOSIS.

	Pul.			Non-Pul.			Ttls.
	M	F	Tot.	M	F	Tot.	
On register, 1st Jan., 1945	61	50	111	39	37	76	187
Not. during yr. for first time	5	7	12	2	1	3	15
Removed from reg. during yr.	37	37	74	35	32	67	141
Cases on reg. 31/12/45	29	20	49	6	6	12	61

Note.—The Tuberculosis Register has been completely revised in co-operation with the County Medical Officer of Health

Section B—General Provision of Health Services.

Ambulance Facilities.—As mentioned in previous reports, motor ambulance facilities are available for removal of infectious diseases to hospital, and of accident and surgical cases to infirmaries. The latter service—that of removal of cases to the local infirmary, and to the Edinburgh and Newcastle Infirmaries—is largely taken advantage of both by people resident in the Borough and the surrounding area.

During the year the Council's ambulance service answered 239 calls, travelling 9,018 miles. 32 cases of infectious diseases were removed to and from the Berwick Infectious Diseases Hospital. From Berwick and neighbouring districts 198 private patients were removed to Berwick Infirmary, to Berwick Institution, to Edinburgh Infirmary, to Newcastle Infirmary, and to Hexham Hospital.

Hospitals and Nursing.

HOSPITALS.—No change has taken place in the arrangements made for the treatment of tuberculosis.

Maternity Nursing.—The three "Queens" Nurses of the Berwick Ladies District Nursing Association continue to render valuable service to the community. The nurses attended at 86 births or 46% of the total births of the Borough.

The drop in the number of attendances during 1945 is the direct result of the opening of Castle Hills Maternity Home, which was officially opened on 26th Feby., 1945, where 97 children were born during the year, and of this number, 57, or 59%, were of parents resident in the Borough.

Besides the maternity work, the nurses also attended 184 medical and 78 surgical cases. The number of visits to patients (other than military) were 4,806, articles of clothing given to patients, 73, and the issues of nursing appliances was 49. The work of the "Queen's Nurses," which has been going on quietly and efficiently for many years, is a very valuable contribution to the health services of the Borough, and work which cannot be too highly praised.

	1939	'40	'41	'42	'43	'44	'45
Total births ...	174	197	201	161	215	203	185
No. of births attended	157	194	179	177	186	172	86
% attendances to births	90%	96%	89%	91%	87%	84%	46%

The following table shews the various districts where residents have taken advantage of the facilities offered by Castle Hills Maternity Home, viz.—

Berwick Borough	57	Belford	7	Newcastle	1
Scotland ...	13	Glendale	6		—
Alnwick ...	5	N.&I.R.D.	8	Total	97

Scabies Order, 1941.—Seven cases of scabies occurring amongst school children were reported by the school authorities during the year, and the children affected were treated under the superintendence of the Health Visitor.

Section C.—SANITARY INSPECTION OF AREA

*Tabular Statement of Visits, Inspections, etc.,
by Sanitary Inspector.*

Visits and Inspections to			
Dairies, Cowsheds, and Milkshops	...	...	84
Stables and Piggeries	...	...	24
Slaughter Houses	...	...	330
Bakehouses	...	...	28
Workshops and Factories	...	...	42
Offensive Trades	...	...	8
Common Lodging Houses	...	...	...
Ships	...	...	4
Infectious Disease	...	...	48
House-to-house	...	...	196
Yards, Courts, etc.	...	...	288
Shop and Business Premises	...	...	210
Smoke Nuisance	...	...	24
Notices issued—Informal	...	...	56
Do. —Statutory	...	...	...
Notices complied with—Informal	...	...	48
Do. —Statutory	...	...	...

**Statement of Nuisances, Defects, and Contraventions
discovered and dealt with by Sanitary Inspector.**

Dairies, Cowsheds, and Milkshops.

Byres cleansed or limewashed	...	...	8
Cows hindquarters and udders found dirty (Herds)...	...	...	1
Manure in proximity to byre or milkshop	...	...	...
Manure pits emptied	...	...	2
Other Contraventions of Regulations	...	...	4

Stables and Piggeries.

Piggeries too near dwellings	...	...	...
Manure heaps removed	...	...	4
Stables limewashed	...	...	3
Stables drained	...	...	...

Slaughter Houses.

Gullies choked, cleared	...	...	...	...
Offal Carts defective	...	...	...	...
Limewashing required	...	...	...	...
Contravention of Regulations	...	...	...	...

Workshops and Factories.

Want of cleanliness	...	...	...	8
Want of ventilation	...	...	...	...
Sanitary accommodation insufficient, unsuitable, or defective	...	...	...	3
Other nuisances or offences	.	...	...	6

Offensive Trades.

Delay in removing offal	...	...	...	1
Other nuisances	...	...	...	2

Common Lodging Houses.

Limewashing required.	...	...	...	...
Bedding and bed clothes cleaned or renewed	...	...	...	...

Ships.

Dirty bedding of sailors	...	...	...	...
Dirty forecastles (painting and cleansing)	...	...	...	...
Dirty Lockers	...	...	...	...
Dirty Water-closets	...	...	...	...
Lack of proper ventilation	...	...	...	...

Infectious Disease.

Houses disinfected	...	...	...	45
Schools and Public Halls disinfected	...	...	...	5
A.R.P. Firewatchers' premises	...	...	...	...

House to House—Nuisances discovered.

Ashes and refuse accumulation	...	...	...	24
Dirty Water Closets	...	...	...	16
Choked gullies, drains, and water closets	...	...	...	21
Dirty houses	...	...	...	4
Dirty yards swept	...	...	...	18

Shops and Provision Stores.

Food stores limewashed	...	...	...	1
Food improperly exposed to dust, etc.	...	...	...	...
Rubbish accumulations removed	...	...	...	10
Premises protected against rats	...	...	...	4

Fish Friers Premises.

Fat vessels covered from dust	...	...	...
Dirty Floors	...	...	2
Other Nuisances	...	...	3

Drainage, etc.

Drains relaid	...	...	...
New drainage system provided	...	...	...
Gully traps obsolete, replaced	...	...	2
Drainage system trapped	...	...	...
Water closets, additional, provided	...	...	2
Water closets erected in lieu of privies...	...	...	...
Privy pails and middens removed	...	...	...
Privy pails renewed	...	...	4
Wash houses provided	...	...	...
Do. repaired	...	...	...
Water supply introduced into yards	...	...	...
Do. do. houses	...	...	6
Repairs to w.c. apartments and fittings...	...	...	34
Privy pans and middens (properties) at end of 1940	...	...	14

Sanitary Improvements effected under supervision of Sanitary Inspector.

Houses.

Houses closed...	...	...	...
Dampness in Walls	...	...	6
Defective roofs repaired	...	...	7
Wood floors repaired	...	...	2
Plaster work of walls repaired	...	...	2
Windows hung on cords	...	...	4
Window cords renewed	...	...	10
Provided with pantries	...	...	...
Spouting renewed or repaired	...	...	5
Other housing defects remedied	...	...	22
Miscellaneous nuisances removed	...	...	54

Shops and Offices.—The following improvements were effected :—

1 Additional w.c. accommodation	...	...
2 Separate w.c. accommodation for sexes	...	...
3 Heating apparatus provided	...	...
4 Improved ventilation	...	...
5 Washing facilities	...	...
6 Facilities for taking meals	...	...

Section D.—HOUSING.

The number of occupied houses in the Borough at the end of 1945 was 3306.

ERECTION OF NEW DWELLINGS.

By private enterprise :—Nil.

By Local Authority :—Nil.

(a) Houses erected 1921-43.

		<i>By private enterprise</i>	<i>By Local Authority</i>	<i>Total</i>
1921	...	1	22	23
22	...	...	...	...
23	...	...	24	24
24	...	4	32	36
25	...	20	72	92
26	...	12	26	38
27	...	1	97	98
28	...	25	51	76
29	...	4	...	4
30	...	7	16	23
31	...	2	...	2
32	...	...	60	60
33	...	20	8	28
34	...	32	...	32
35	...	42	24	66
36	...	58	76	134
37	...	33	100	133
38	...	37	178	215
39	...	25	30	55
40	...	4	...	4
41-45	...	...	...	...
Totals	...	327	816	1143

Section E —INSPECTION AND SUPERVISION OF FOOD.

Meat and other Foods.

CARCASES INSPECTED & CONDEMNED.

	Cattle, ex- cluding Cows.	Cows.	Calves.	Sheep and Lambs.	Pigs	Total
Number killed } (if known) }	1026	149	183	6,292	77	7,727
Number inspected	1026	149	183	6,292	77	7,727

All diseases except tuberculosis—

Whole carcasses condemned	11	8	3	102	4	128
Carcasses of which some part or organ was condemned	9	58	...	423	3	493
Percentage of the number in spected affected with dis- ease other than tuber.	1.93%	44.3%	1.64%	8.37%	9.0%	

Tuberculosis only—

Whole carcasses condemned	3	17	...	...	...	20
Carcasses of which some part or organ was condemned	...	...	...	...	...	...
Percentage of the number in- spected affected with tub.	0.03%	11.41%	...	...	1.31%	...

MEAT CONDEMNED (HOME KILLED).

	Whole Carcases including Organs.	Part Carcases.	Organs other than Ox Livers.	Ox Livers.		Tot. wt. (lbs).
				Wholly.	Partly.	
Bullocks	14	9 (2108 lbs.)	18	273	356	5482
Cows	25	58 (957 lbs.)	39			
Calves	3	...	—			
Sheep	102	24 (753 lbs.)	399			
Pigs	4	3 (97 lbs.)	—			
	<u>148</u>	<u>94 (3915lbs.)</u>	<u>456</u>	<u>273</u>	<u>356</u>	<u>5482</u>

OTHER FOODS.

Meats, various ...	737 lbs.	Peas and Beans ...	70 lbs
Bacon and Ham ...	30 „	Fruit, various ...	42 „
Sausage Rusk ...	336 „	Sugar, bulk ...	92 „
Soup (tinned) ...	4 „	Sweets ...	8 „
Tomatoes (tinned)...	3 „	Milk, 117 tins ...	106 lbs
Marmalade ...	93 „	Milk, Bulk ...	20 galls
Syrup, Jam, and Jelly	29 „	Butter ...	214 lbs
Tea (packages) ...	1 „	Dates ...	113 „
Flour (bulk) ...	28 „	Fish, various ...	43 tins
Rice „ ...	60 „	Fish, bulk ...	84 lbs
Beef Galantine ...	14 „	Vegetables, bulk ...	10 cwts
P,unes ...	47 „	Potatoes ...	72 „
Ginger Cake ...	24 „	Eggs ...	210 dozen

The butchers' shops, fish shops, fruiterers, and grocers were also visited, and the instructions of the Inspector as to the care of foodstuffs and prevention of contamination promptly attended to.

Milk Supply.

The number of cows in the dairy herds towards the end of last year was 130.

The cowkeepers continue to pay attention to the general cleanliness of the byres and milk utensils. 42 visits were made to the cowsheds, and the usual minor contraventions found (see p. 12) were promptly attended to. 42 visits were paid to milkshops and other dairy premises.

The Infestation Order, 1943.

During the year in the three months ended 30th June the sewers in the Borough were systematically treated in accordance with the Ministry of Food Scheme for the extermination of rats. There were altogether 325 manholes and unpoisoned baits were laid on four successive days at each manhole (ten manholes subject to tidal flooding excepted) and where the baits were taken by rats poisoned bait was laid on the fifth day. The Borough sewer system was treated in four sections, each section taking one week to complete. The sewers in that part of Berwick north of the Railway Station, Tweedmouth, and Spittal comprised Sections II, III and IV were found clear of rats and it was not necessary to put down any poison bait in these sections. In Section I, comprising the older parts of Berwick from the Quay to the Railway Station, baits and poison baits were extensively taken. Calculating on the basis of the number and extent of the poison baits taken and in accordance with the Ministry of Food's method the number of rats estimated to have been destroyed in this section is 820. This section was post-baited at every manhole a month later but not a single bait was taken, so we may assume that the sewers have been cleared of rats. Tests of the sewers should be made during the months of October to December to ascertain whether any re-infestation has taken place in the interval.

Surface infestations were found at several places, particularly on the Quayside at Berwick, Tweedmouth Railway Station and at the VI I.T.C. Camp, and these are being dealt with. It will be necessary to continue the services of the Assistant Rodent Officer during the current month (July) and to re-engage him for a couple of months in the winter to make a further test of the sewers in the older parts of the Borough and to deal with any surface infestations which may become known.

The work of clearing the VI I.T.C. Camp at Magdalene Fields of rats was completed during the month of July. At the Tweedmouth Railway Station rats were infesting the Canteen, offices and goods shed. A representative of the Railway Company from Newcastle was shown over the premises by me and thereafter arrangements were made for the Railway Company's men to deal with the infestation.

During November a test was made to ascertain the extent of any re-infestation of the sewers. The majority of the

manholes showed "no takes" but evidence of re-infestations was found in (a) Bridge Street, Love Lane, Palace Green area and (b) top of Castlegate in the vicinity of the Public Institution. Pre-baiting and poisoning was carried out and subsequent post-baiting showed that very satisfactory results were obtained. Complaints of presence of rats were received from Tweed Street and West End areas and action was taken. Areas and Sewers accessible to rats coming along the river side from landward areas are subject to periodical infestation.

Factories and Workshops.

<i>Premises</i>	<i>Inspections</i>	<i>Written Notices</i>	<i>Prosecutions</i>
Factories (including Factory Laundries)	20	2	...
Workshops (do. Workshop do.)	18	4	..
Workplaces	4	1	...
	<hr/> 42	<hr/> 7	<hr/> ...

Defects found in Factories, Workshops, and other places

Nuisances under the Public Health Acts—

	<i>Found</i>	<i>Remedied</i>
Want of Cleanliness	4	4
Want of Ventilation	...	...
Other Nuisances	2	2
Sanitary Accommodation	{ insufficient ...	1
	{ unsuitable or defective ...	...
	{ not separate for sexes ...	...
Other Offences	...	...
	<hr/> 7	<hr/> 7

One water-closet was erected at a fertiliser works for the convenience of women workers, in lieu of one previously destroyed by enemy action.



