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County Borough of Bournemouth,  
1915.

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# ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH,

With which are included the REPORTS  
of the

BOROUGH BACTERIOLOGIST,

CHIEF SANITARY INSPECTOR

AND

PUBLIC ANALYST.

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BOURNEMOUTH :

Printed at the "Guardian" Office, Commercial Road.

# COUNTY BOROUGH OF BOURNEMOUTH.

## HEALTH COMMITTEE.

The Mayor (Mr. Alderman Henry Robson, J.P.).	
Mr. Alderman J. E. Beale, J.P. (Chairman).	
Mr. Councillor J. J. Brazier (Vice-Chairman).	
Mr. Alderman F. Elcock.	Mr. Councillor C. Hunt, J.P.
" " H. Sparkes.	" " W. E. Jones.
Mr. Councillor W. J. L. Beaton.	" " C. Long.
" " J. J. Empson.	" " G. I. Luckham.
" " C. A. D. George.	" " F. S. Mate.
" " R. Neville Hart, M.D.	" " F. B. Summerbee.

## GENERAL SUB-COMMITTEE FOR HOSPITAL AND GENERAL PURPOSES.

The Chairman.	Vice-Chairman.
Councillors Empson, Hart, Hunt, Long and Summerbee.	

## HEALTH AND SANITARY DEPTS.

Medical Officer of Health .. .. .	.. . . .	A. D. Edwards, M.B., B.S. (Lond.), B.Sc.,
School Medical Officer .. .. .	.. . . .	D.P.H.
Assistant Medical Officer of Health	} .. . . .	P. W. G. Nunn, M.R.C.S. (Eng.), L.R.C.P.
Assistant School Medical Officer ..	.. . . .	(Lond.).
Tuberculosis Officer .. .. .	.. . . .	F. W. Waterworth, M.B., Ch.B., D.P.H.
Chief Sanitary Inspector .. .. .	.. . . .	J. C. Hoyle, M.D., B.S., M.R.C.S., L.R.C.P.,
District Sanitary Inspectors .. .. .	.. . . .	D.P.H.
Food Inspectors and certified Meat	.. . . .	W. G. Cooper, F.I.S.E., M.R.San.Inst.
Inspectors .. .. .	.. . . .	Messrs. J. Lewis, A. J. Phillips, W. J. S.
Shops Inspector .. .. .	.. . . .	Adams, E. Smith, W. D. Carter (all
Superintendent Health Visitors and	.. . . .	certified Royal Sanitary Institute).
Inspector of Midwives .. .. .	.. . . .	W. Pearce (1st London Sanitary Corps),
Health Visitors .. .. .	.. . . .	(acting inspector, W. D. Carter).
School Nurse .. .. .	.. . . .	C. T. Newlyn.
Matron, Sanitary Hospital .. .. .	.. . . .	Miss Brock.
Clerks .. .. .	.. . . .	Misses Law and Bentley.
Superintendent of Public Conveniences,	.. . . .	Mrs. Webster.
Mortuary and Water Meters .. .. .	.. . . .	Miss M. Balme.
Disinfectors and Drain Testers .. .. .	.. . . .	Messrs. Darville, Kilby, Hayward, Blackie,
Corporation Rat Catcher .. .. .	.. . . .	and Thorne.
Public Analyst .. .. .	.. . . .	T. H. Bailey.
Bacteriologist .. .. .	.. . . .	E. Benjafield, H. Chick, F. Chick, F. J. Smith.
Veterinary Surgeon .. .. .	.. . . .	H. Chick.
Meteorologist .. .. .	.. . . .	

The undermentioned have joined the King's Forces :

Food and Meat Inspector .. .. .	.. . . .	Mr. W. Pearce (1st London Sanitary Corps).
Clerks .. .. .	.. . . .	{ A. Hurley, 7th Hants (India).
	.. . . .	{ S. Galton, 9th Hants Cycle Corps (India)
	.. . . .	{ O. Willis, R.A.M.C.
	.. . . .	{ A. Jones, 1st Hants (France).
Disinfectors .. .. .	.. . . .	{ F. Loveless, R.N. Reserves (Isle of Wight).
	.. . . .	{ A. Grose, " Plymouth.
Shops Inspector .. .. .	.. . . .	C. T. Newlyn, Sanitary Corps R.A.M.C., T.

COUNTY BOROUGH OF BOURNEMOUTH.

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# ANNUAL REPORT

OF THE

## Medical Officer of Health

For the Year 1915.

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Health Department,  
Borough Offices,  
Bournemouth.  
June, 1916.

TO THE CHAIRMAN AND MEMBERS  
OF THE HEALTH COMMITTEE,  
COUNTY BOROUGH OF BOURNEMOUTH.

Gentlemen,

I beg to present my report on the Health of the County Borough of Bournemouth for the year 1915.

In this, the first complete year of the war, the health records of the country in general were less satisfactory than they have been in the recent years, and to some extent this change affected Bournemouth, more especially in the general death rate and in the infantile mortality rate.

The health of the troops billeted in Bournemouth, the number of whom in the early part of the year approached to twenty thousand, was exceptionally good. As the drafts entered Bournemouth from all parts of the country it was inevitable that cases of infectious disease should occur;

but each case was promptly isolated at the Bournemouth Sanitary Hospital and the contacts quarantined. The promptness and completeness of this control were rendered possible by a full co-operation between the civil and military authorities, and the result was most satisfactory, for during the year 1915:—

(1) There was no instance of a spread of infectious disease among the billeted troops;

(2) No soldier billeted in Bournemouth died of infectious disease.

In view of the greatly increased work and of the absence of many members on war service, this result is indicative of strenuous efforts on the part of those members of the staff who remained.

By reasons of war conditions, this Annual Report has been confined to the statistical tables and explanatory notes; and with the exception of the question of Infantile Care, which will require greater attention on account of the war, comment has been reduced to a minimum.

Reference may be made here to the Municipal Dispensary for Tuberculosis, which was opened in the Spring of 1916. The results have already shown that, in an extended scheme, the dispensary will play a great part in the gradual eradication of the disease, for it is by early diagnosis of cases and their early treatment that Tuberculosis, in the years to come, will be reduced to a very small factor in the death rate of the country.

I am,

Your obedient servant,

A. D. EDWARDS.

## SUMMARY OF STATISTICS

And General Information relating to the County Borough  
of Bournemouth.

- (1) **Area of County Borough.** 6643 acres.
- (2) **Geological Information.** Bagshot Sands Series.  
Subsoil—Silicious sand.
- (3) **Population.** Census of March, 1911: 78,674.  
**Density of Population:**  
No. of persons per acre, 12.79.  
" " house, 5.24 (Census 1911).
- (4) **Birth Rate.** 14.0 per 1,000 in 1915.
- (5) **Infantile Mortality.** 94.1 per 1,000 births.
- (6) **Death Rate (Corrected).** 14.37 per 1,000.
- (7) **Zymotic Death Rate .** 0.54 per 1,000.
- (8) **Phthisis Death Rate.** 1.34 per 1,000.
- (9) **Number of Cases of Infectious Diseases** per 1,000 of the  
Population. Scarlet Fever 1.6, Diphtheria 1.1, Enteric  
Fever .02, Variola .0.
- (10) **Number of Inhabited Houses.** (1911) 15,000, (1915) 16,790
- (11) **Rateable Value.** £786,214.
- (12) **Rates.** General District Rate. 5s. 3d., includes Poor Rate,  
Education Rate, and Borough Rate.
- (13) **Water Supply.** Constant Service from deep artesian wells at  
Wimborne, situate about 11 miles from Bournemouth.
- (14) **Sewage Disposal** by water carriage, outfalls into the sea at  
Double Dykes, Fisherman's Walk, Boscombe Chine,  
Bournemouth, and Alum Chine. There are separate  
Storm-water Outfalls also discharging into the sea.
- (15) **Price of Gas.** 2s. 6d. per 1,000 cubic feet.  
**Price of Water.**  $4\frac{3}{4}$  per cent. under £20 rental; 5 per cent.  
over £20 rental.  
**Price of Electric Light.** 6d. for lighting,  $2\frac{1}{2}$ d. for power,  
 $1\frac{1}{2}$ d. for heating.
- (16) **Rainfall.** 43.23. Average for 5 years 31.16.
- (17) **Bright Sunshine.** 1757 hours 43 minutes. Average for 20  
years 1747 hours 20 minutes.

## POPULATION AND AREA.

The population of Bournemouth is estimated, to the middle of the year 1915, as 85,500 inhabitants; and the area is 7,417 acres.

These figures include the increase of 774 acres, and 1,758 population, resulting from the recent extension of the County Borough.

## VITAL STATISTICS.

The variation in the population of districts on account of the war has resulted in a new estimate of the civil population being made by the Registrar-General. It is this estimate of Bournemouth's population which forms the basis of the following statistics:—

(Table 1. L.G.B.)

**Vital Statistics of Whole District during 1915 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.		No.	Rate.	Of Non-residents registered in the District.	Of Residents not registered in the District.	Under 1 year of age		At all Ages.	
			No.	Rate.					No.	Rate per 1000 Nett B'ths	No.	Rate.
1	2	3	4	5	6	7	8	9	10	11	12	13
1910	81812	1276		15.59	871	10.64			93	91.43	688	8.40
1911	79150	1201	1228	15.51	1020	12.88	174	89	121	72.88	935	11.81
1912	82000	1175	1211	14.89	912	11.12	167	81	80	98.54	826	10.07
1913	83000	1257	1303	15.69	929	11.19	159	97	86	66.06	867	10.44
1914	85000	1115	1141	13.42	943	11.09	149	92	81	66.00	886	10.42
1915	85000 72197	1146	1190	14.0*	1167	16.1†	155	126	112	94.1	1138	15.7†

\* Estimated on 1914 population figure.

† Estimated on new civil population figure supplied by Regr.-Gen.

During the year 38 soldiers died in institutions in Bournemouth, 20 deaths being due to wounds received in battle, 7 to pneumonia, and 11 to other causes.

No soldier died of infectious disease in Bournemouth.

### BIRTH-RATE.

The birth-rate for the year 1915 was 14.0, based on the estimated population of the previous year, which was unaffected by the war. The rates for previous years are:—

#### BOURNEMOUTH.

1906	1907	1908	1909	1910	1911	1912	1913	1914	1915
17.6	16.5	14.7	15.1	15.5	15.5	14.8	15.6	13.4	14.0

### INFANTILE MORTALITY.

This is the ratio of the number of deaths of infants under 12 months of age to every 1,000 births:—

For the year 1915, the rate was 94.1. In recent years this rate for Bournemouth has been as low as 66, and although the increase for the year is coincident with an increase throughout the country, and although the rate for Bournemouth is very much lower than that of the large towns, the fact that the diminution in the loss of infant life which was apparent from 1907 to 1913 has been arrested during 1914 and 1915 is one which indicates that the Infant Care work calls for extension.

In the infantile mortality of 1911, which was higher than that of 1915, the infantile gastritis and enteritis groups of disease were responsible for nearly 50 per cent. of the mortality. The increased rate of 1915 was not due to any greater prevalence of these groups, nor was there any increase of other infectious disease sufficient to account for the greater number of deaths among infants. From an analysis of the causes of death I am of the opinion



that a decreased care of infant life, resulting from the economic conditions of war time, was responsible for the increased rate.

Limitations of space prevent a fuller statement being given here, but a report will be later presented to your Committee, with a complete analysis of the causes of infant deaths and recommendations for the extension of the present means employed to combat these causes.

At the present time a large amount of work is being done in this direction, the nature and extent of which are shown in the following section, but, if the best efforts are to be made to arrest the present wastage of infant life, this work should be increased.

#### INFANT CARE WORK.

Births, 1915—1,190.

Births notified—838.

Infants visited, first visits by Infant Care Health Visitor—457.

Visits other than first visits—567.

(A full time Health Visitor for this work was appointed in June).

#### BOURNEMOUTH HEALTH AND MOTHERS' AID ASSOCIATION.

Directing Superintendent—The Medical Officer of Health.

Superintendent of the four Welcomes—Miss Brock (Infant Care Health Visitor).

The following paragraph is taken from the Annual Report (1915) of the Association:—

In spite of the fact that only three of the Clubs met for the whole period of the year, the total attendances of mothers was over 1,500, of infants over 1,000, and other children nearly 900. The figures

have had to be estimated, but it may be said that over one hundred individual mothers were in attendance at the Clubs, and about the same number of infants and other children. There has thus been no serious falling off in numbers, in spite of the unsettled condition of the time, owing to the presence of troops in the town and other causes, and there is every prospect of a better record in the coming year. Miss Brock has the help of Mrs. Clayton as record-keeper at all regular meetings of the Clubs, and full statistics will in future be available. This is essential, not only as a matter of general interest, but in view of Government inspection and report, for the earning of grants.

The Board of Education again made a grant in aid of the work of the Clubs, though the amount was less than in the previous year, £12 15s. 10d., as compared with £27 13s. 1d. That is to be explained chiefly, if not entirely, by the fact that the expenses of the Clubs were considerably less. On the other hand, the grant for the Day Nursery in Malmesbury Park was increased, being £63 4s. 8d., as against £54 7s. (It is an accident of the time when the grants were made, that both these amounts appear in the one year's accounts). And if this generous support is continued by the Department, Moor-down Nursery, now well established, will also in future be able to earn a grant.

The progress of the Day Nursery work has been thoroughly satisfactory, as will be seen from the report of the Hon. Superintendent. The accommodation at 127, Malmesbury Park Road, is strained to the utmost, and it is greatly to be regretted that the difficulties of war time, including the prohibitive price of building materials, have made it impossible for Miss Cameron to carry out at present her generous purpose, referred to in last year's report, to erect on the site which she has purchased a building specially adapted to the purposes of the Association. Meanwhile she most

kindly provided for a necessary renovation of the present building, to fit it for another winter's tenancy, and the work will be continued in the hope of happier times to come. The second Day Nursery, for the establishment of which a grant of £75 was made from the Mayor's Fund, was opened in April, after fruitless search for a suitable building in Winton, at 1, Moordown Grove. A special fund of £94 6s. was raised by Miss Campbell for the furnishing of the house, and it will be seen from her report how the Nursery is prospering.

Another new departure in the work of the Association, though belonging to the future rather than the past, may be mentioned here, as the plans for it were laid before the end of the year. Care for the mother during her weeks of illness is to be increased by the provision of "Home Helps,"—not to take the place of midwife or nurse, but to look after the home, to secure for the mother proper rest, and, as far as possible, freedom from anxiety and worry. The scheme contemplates the appointment of a capable woman in each of the districts where there is a Mothers' and Babies Club, to give her whole time to the work, under the direction of a Supervisor, and also, as the work extends, the enrolment of other women as occasional helpers. The payment of the full fee of 12s. 6d. a week, which it is hoped will be provided, in many cases, by provident savings, may be reduced according to the circumstances of the home. While the scheme should prove to a large extent self-supporting, it was necessary, before launching it, to secure the expense at least of the first year's working, and a grant from the Mayor's Fund of £50 has been made, to cover the appointment of Home Helps in two districts, Winton-Moordown and Malmesbury Park. The work is in the charge of a special "Home Helps" Committee, of which Miss M. E. R. Martin is the Hon. Secretary.



## MIDWIVES ACT.

Fifteen Midwives notified their intention to practice during the year 1915.

Seventy-four visits were paid by the Inspector of Midwives and 24 records were received concerning the sending for medical assistance by Midwives.

TABLE No. 2 (L.G.B.).

## CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1915.

Notifiable Disease.	No. of Cases Notified.					Total Cases Notified in each Locality.					Total cases removed to Hospital.		
	At all Ages.	Under 5.	5 to 15.	15 to 25.	25 to 45.	1	2	3	4	5			
Small-pox ...	—	—	—	—	—	—	—	—	—	—	—	—	
Cholera ...	—	—	—	—	—	—	—	—	—	—	—	—	
Diphtheria (including Membranous Group) ...	84	—	16	50	13	4	1	—	—	—	—	81	
Erysipelas ...	25	1	—	1	3	6	7	7	—	—	—	1	
Scarlet Fever ...	118	—	19	77	12	9	1	—	—	—	—	100	
Typhus Fever ...	—	—	—	—	—	—	—	—	—	—	—	—	
Enteric Fever ...	2	—	—	—	—	1	1	—	—	—	—	—	
Relapsing Fever ...	—	—	—	—	—	—	—	—	—	—	—	—	
Continued Fever ...	—	—	—	—	—	—	—	—	—	—	—	—	
Puerperal Fever ...	—	—	—	—	—	—	—	—	—	—	—	—	
Cerebro-spinal Meningitis ...	16	—	5	3	1	5	2	—	—	—	—	14	
Poliomyelitis ...	—	—	—	—	—	—	—	—	—	—	—	—	
Pulmonary Tuberculosis* ...	—	—	—	—	—	—	—	—	—	—	—	—	
Other forms of Tuberculosis* ...	—	—	—	—	—	—	—	—	—	—	—	—	
Ophthalmia Neonatorum ...	14	14	—	—	—	—	—	—	3	6	—	5	
Totals ...	259	15	40	131	29	25	12	7	66	96	13	84	196

\* See special table.

ADDITIONAL INFORMATION CONCERNING  
TABLE NO. 2.

In accordance with the requirements of the Local Government Board the following information is inserted in this report:—

(1) Ten isolated cases of infection occurred among the military population of Bournemouth which were considered to be suspicious of Scarlet Fever and therefore isolated, and five cases, among the military population, were isolated by the Medical Officer of Health on account of contact with Diphtheria.

(2) In the course of the year the Medical Officer of Health investigated or isolated 56 cases of illness which simulated Scarlet Fever (29), Diphtheria (10), Cerebro-spinal Meningitis (11), and other infectious conditions (6).

DEATHS FROM NOTIFIABLE INFECTIOUS DISEASES.

Year.	Small Pox.	Diphtheria	Scarlet Fever.	Enteric Fever.	Puerperal Fever.	Erysipelas.	Total.	Deaths per 1,000 population.
1904	0	7	1	1	1	4	14	0·21
1905	0	15	1	1	0	1	18	0·27
1906	0	5	0	2	0	1	8	0·11
1907	0	7	1	2	0	1	11	0·15
1908	0	11	2	2	1	0	16	0·22
1909	0	9	3	0	1	4	17	0·21
1910	0	11	1	0	0	2	14	0·17
1911	0	5	0	1	1	1	8	0·10
1912	0	3	3	2	1	1	10	0·12
1913	0	4	1	0	2	0	7	0·08
1914	0	13	0	0	1	0	14	0·16
1915	0	11	2	0	0	3	16	0·22

Cerebro spinal meningitis 13.

## PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.

Summary of notifications during the period from 1st January, 1915, to the end of the week ending on the 1st January, 1916.

Age Periods.	Number of notifications on Form A.													Number of notifications on Form B.			Number of notifications on Form C.			
	Primary notifications													Total notifications (i.e. including cases previously notified by other doctors).	Primary notifications.	Total notifications (i.e. including cases previously notified by other doctors).	Poor Law Institutions.	Sanatoria.		
	Under 5												5 to 10						10 to 15	Total.
	0 to 1	1 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 & upwards.	Total.								
Pulmonary Males ..	—	1	2	4	6	4	2	4	6	4	1	1	90*	94	—	0	—	5	36	
Females ..	—	—	2	9	11	4	1	9	11	4	2	—	93†	96	—	0	—	0	36	
Non-Pulmonary Males	1	2	3	—	1	1	2	—	—	—	—	—	10	10	—	1	1	—	2	
Females	1	—	—	—	1	1	3	1	—	—	—	—	7	8	—	1	1	—	1	

\* Plus 1 : no age given.

† Plus 4 : no age given.



The following table gives the classification of the locations of non-pulmonary Tuberculosis in the patients of all ages who were notified :—

LOCATION.				Male.	Female.	Total.
Diseases of Bones and Joints	...	...	...	2	2	4
Diseases of Larynx	...	...	...	—	—	—
Diseases of Genito-Urinary System	...	...	...	1	1	2
Abdominal Disease	...	...	...	2	2	4
Diseases of Glands	...	...	...	3	4	7
Diseases of other parts	...	...	...	3	—	3
Totals	...	...	...	11	9	20

### Bournemouth Sanitary Hospital Table A.

Year.	No. of patients admitted.	No. of Deaths.	Case Mortality Rate.	Average cost per person per day of provisions and stimulants.
1904	220	12	5·4 per cent.	8 $\frac{3}{4}$ d.
1905	261	15	5·7 "	9 $\frac{3}{4}$ d.
1906	237	10	4·1 "	10 $\frac{1}{2}$ d.
1907	206	7	3·3 "	11d.
1908	229	15	6·5 "	10 $\frac{1}{2}$ d.
1909	333	11	3·3 "	8 $\frac{1}{2}$ d.
1910	322	12	3·7 "	10d.
1911	177	4	2·2 "	10 $\frac{1}{4}$ d.
1912	292	9	3·0 "	9 $\frac{1}{2}$ d.
1913	308	7	2·2 "	10d.
1914	328	17	5·1 "	1/0 $\frac{1}{2}$
1915	328	28	8·5 "	1/1 $\frac{1}{2}$

**HOSPITAL TABLE C (1).**  
**Sanitary Hospital Expenditure, &c., for the years 1910, 1911, 1912, 1913, 1914, 1915.**

Month	Total Expenditure, including Repairs, Wages, &c.					Expenditure on Provisions only.					Daily Average Number of Persons per month, inclusive of staff.					Average Cost per Head per Day.								
	1910.	1911.	1912.	1913.	1914.	1915.	1910.	1911.	1912.	1913.	1914.	1915.	1910.	1911.	1912.	1913.	1914.	1915.	1910.	1911.	1912.	1913.	1914.	1915.
JAN...	£ s. d. 359 4 0	£ s. d. 334 9 8	£ s. d. 302 15 9	£ s. d. 640 13 9	£ s. d. 594 2 11	£ s. d. 410 10 6	£ s. d. 96 12 1	£ s. d. 78 7 8	£ s. d. 64 9 4	£ s. d. 84 1 0	£ s. d. 121 3 1	£ s. d. 105 2 6	67.2	58.8	61.32	39.16	61.17	8 12 3	8 2 4	8 3 4	8 5 11	8 7 4	8 8 4	8 9 4
FEB...	£ s. d. 201 15 11	£ s. d. 296 10 2	£ s. d. 293 9 5	£ s. d. 346 17 7	£ s. d. 491 19 2	£ s. d. 892 17 11	£ s. d. 58 12 1	£ s. d. 71 19 11	£ s. d. 60 3 4	£ s. d. 71 1 10	£ s. d. 108 7 11	£ s. d. 109 15 4	57.9	52.3	59.14	84.7	60.0	8 2 4	8 3 9	8 5 0	8 6 7	8 7 6	8 8 2	8 9 3
MARCH	£ s. d. 400 2 0	£ s. d. 369 1 4	£ s. d. 357 7 4	£ s. d. 519 13 3	£ s. d. 690 7 7	£ s. d. 601 14 6	£ s. d. 73 1 9	£ s. d. 76 9 5	£ s. d. 81 8 6	£ s. d. 72 12 11	£ s. d. 103 18 4	£ s. d. 114 4 6	64.8	45.03	50.93	74.51	63.51	8 11 5	8 2 5	8 3 5	8 4 7	8 5 6	8 6 6	8 7 5
APRIL	£ s. d. 171 5 6	£ s. d. 252 18 7	£ s. d. 191 4 3	£ s. d. 184 14 8	£ s. d. 255 9 7	£ s. d. 496 14 2	£ s. d. 61 7 6	£ s. d. 51 17 3	£ s. d. 56 19 8	£ s. d. 57 1 10	£ s. d. 93 2 11	£ s. d. 135 1 3	57.3	38.0	50.33	52.8	67.3	2 0 4	2 1 5	2 2 6	2 3 4	2 4 2	2 5 3	2 6 3
MAY...	£ s. d. 276 15 7	£ s. d. 199 3 7	£ s. d. 265 0 8	£ s. d. 297 14 6	£ s. d. 303 3 8	£ s. d. 430 0 7	£ s. d. 67 1 5	£ s. d. 56 2 5	£ s. d. 72 5 11	£ s. d. 66 11 4	£ s. d. 91 12 0	£ s. d. 141 15 6	66.7	39.6	51.7	66.3	81.06	2 8 3	2 10 3	2 11 3	2 12 3	2 13 4	2 14 5	2 15 5
JUNE...	£ s. d. 271 8 6	£ s. d. 168 5 1	£ s. d. 273 11 11	£ s. d. 331 14 8	£ s. d. 312 18 10	£ s. d. 401 3 6	£ s. d. 69 19 5	£ s. d. 44 17 0	£ s. d. 82 2 11	£ s. d. 57 3 3	£ s. d. 89 8 7	£ s. d. 89 7 7	58.6	29.6	50.76	64.2	57.36	1 3 3	1 3 9	1 4 2	1 5 3	1 6 4	1 7 4	1 8 4
JULY	£ s. d. 189 15 6	£ s. d. 200 9 0	£ s. d. 279 0 8	£ s. d. 293 4 9	£ s. d. 293 10 10	£ s. d. 245 9 3	£ s. d. 65 16 6	£ s. d. 45 16 11	£ s. d. 82 19 5	£ s. d. 65 16 9	£ s. d. 79 12 4	£ s. d. 82 18 8	47.2	37.8	59.78	57.63	50.38	2 7 3	2 5 5	2 6 6	2 7 7	2 8 8	2 9 9	2 10 9
AUG...	£ s. d. 192 2 6	£ s. d. 230 4 11	£ s. d. 433 3 8	£ s. d. 339 18 9	£ s. d. 231 6 1	£ s. d. 275 4 4	£ s. d. 50 3 6	£ s. d. 54 11 11	£ s. d. 82 19 4	£ s. d. 86 3 2	£ s. d. 85 17 1	£ s. d. 91 3 8	38.2	31.7	59.58	55.74	52.16	1 2 4	1 3 4	1 4 5	1 5 6	1 6 7	1 7 8	1 8 8
SEPT...	£ s. d. 392 1 11	£ s. d. 303 15 6	£ s. d. 495 5 8	£ s. d. 357 2 9	£ s. d. 405 19 5	£ s. d. 563 4 6	£ s. d. 61 10 0	£ s. d. 51 11 4	£ s. d. 82 0 0	£ s. d. 81 19 1	£ s. d. 74 11 3	£ s. d. 88 11 6	78.1	31.8	66.9	48.5	50.1	1 10 6	1 11 6	1 12 6	1 13 7	1 14 8	1 15 9	1 16 9
OCT...	£ s. d. 191 12 2	£ s. d. 251 18 8	£ s. d. 289 2 1	£ s. d. 357 9 3	£ s. d. 303 15 7	£ s. d. 360 16 1	£ s. d. 66 15 5	£ s. d. 59 10 3	£ s. d. 57 7 9	£ s. d. 89 0 3	£ s. d. 73 18 9	£ s. d. 82 8 5	53.9	43.2	60.83	65.45	51.58	2 3 3	2 4 3	2 5 4	2 6 5	2 7 6	2 8 7	2 9 7
NOV...	£ s. d. 239 0 8	£ s. d. 192 9 9	£ s. d. 223 6 2	£ s. d. 277 8 9	£ s. d. 353 15 0	£ s. d. 373 5 7	£ s. d. 77 11 3	£ s. d. 58 12 5	£ s. d. 96 4 7	£ s. d. 99 2 3	£ s. d. 92 12 1	£ s. d. 90 16 11	70.0	47.3	68.43	69.0	67.8	1 3 2	1 4 2	1 5 2	1 6 2	1 7 2	1 8 2	1 9 2
DEC...	£ s. d. 309 11 2	£ s. d. 376 18 10	£ s. d. 461 17 5	£ s. d. 317 5 8	£ s. d. 415 7 8	£ s. d. 473 16 2	£ s. d. 111 11 5	£ s. d. 84 4 5	£ s. d. 86 7 8	£ s. d. 120 9 5	£ s. d. 93 14 4	£ s. d. 94 13 11	84.3	59.87	66.82	87.6	60.7	2 4 4	2 5 4	2 6 4	2 7 4	2 8 4	2 9 4	2 10 4
Totals	£ s. d. 3224 15 5	£ s. d. 3176 1 1	£ s. d. 2905 14 8	£ s. d. 4159 17 11	£ s. d. 4621 16 4	£ s. d. 4953 16 1	£ s. d. 1866 2 4	£ s. d. 735 0 11	£ s. d. 905 8 5	£ s. d. 951 13 1	£ s. d. 1107 18 8	£ s. d. 1230 19 8	8	59.87	66.82	87.6	60.7	2 4 4	2 5 4	2 6 4	2 7 4	2 8 4	2 9 4	2 10 4

**HOSPITAL TABLE C (2).**  
**Comparative Statement for 9 Years.**

YEAR.	Average number of persons, inclusive of Staff in Hospital per day.	Total Average cost per person per day, which includes all administrative expenses.	Average cost per person per day, which alone, including stimulants.	Maintenance charges.	Total Expenditure for the year, after deducting receipts from patients.	Total of all cases received into Hospital.
1907	40.34	£ s. d. 0 3 9½	£ s. d. 0 0 11	£ s. d. 447 2 2	£ s. d. 2350 3 1	206
1908	39.87	£ s. d. 0 3 5½	£ s. d. 0 0 10½	£ s. d. 369 0 1	£ s. d. 2170 14 6	229
1909	45.97	£ s. d. 0 3 10½	£ s. d. 0 0 8½	£ s. d. 578 19 7	£ s. d. 2369 16 8	333
1910	55.84	£ s. d. 0 3 0½	£ s. d. 0 0 10	£ s. d. 504 18 10	£ s. d. 2719 16 7	322
1911	42.6	£ s. d. 6 4 13	£ s. d. 0 0 14	£ s. d. 219 0 8	£ s. d. 2957 10 5	177
1912	62.52	£ s. d. 0 3 5	£ s. d. 0 0 9½	£ s. d. 401 3 2	£ s. d. 3504 11 1	242
1913	63.13	£ s. d. 0 3 8½	£ s. d. 0 0 10	£ s. d. 522 10 10	£ s. d. 3637 7 1	406
1914	57.99	£ s. d. 0 4 3½	£ s. d. 0 1 0½	£ s. d. 526 0 11	£ s. d. 3895 15 5	328
1915	9.95	£ s. d. 0 4 4½	£ s. d. 0 1 1½	£ s. d. 743 8 11	£ s. d. 4311 12 2	328

HOSPITAL TABLE C (3).  
**Statement of Stock and Loans relating to Land and Buildings in connection  
 with the Sanitary Hospital, 31st March, 1915.**

Amount originally sanctioned	Amount originally borrowed		Amount unre-deemed at commencement of the year.	Amount re-deemed or transferred during the year.	Amount outstanding at the end of the year	Amount in redemption or sinking fund	Net debt	To whom owing
	Stock	Loans						
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
1400 0 0	1395 6 8	0 0 0	521 13 2	0 0 0	521 13 2	101 13 4	419 19 10	Stockholders
2717 8 0	2708 12 7	0 0 0	994 4 1	0 0 0	994 4 1	199 17 7	794 6 6	"
610 13 8	608 9 0	0 0 0	190 4 2	0 0 0	190 4 2	44 14 0	145 10 2	"
1100 11 0	1097 0 1	0 0 0	443 9 0	0 0 0	443 9 0	80 5 11	363 3 1	"
4116 0 0	4004 9 9	0 0 0	1717 2 0	0 0 0	1717 2 0	330 4 7	1386 17 5	"
624 0 0	607 2 7	0 0 0	279 5 5	3 0 7	279 5 5	51 11 2	227 14 3	Ancient Order of Foresters Society
160 0 0	160 0 0	0 0 0	110 10 9	0 0 0	167 10 2	0 0 0	107 10 2	Short Term Lenders.
3800 0 0	3800 0 0	0 0 0	3100 0 0	0 0 0	3100 0 0	559 15 1	2540 4 11	"
475 0 0	475 0 0	0 0 0	344 0 0	0 0 0	344 0 0	23 3 9	320 16 3	"
7000 0 0	7000 0 0	0 0 0	6300 0 0	233 6 8	6300 0 0	143 19 2	6156 0 10	"
375 0 0	375 0 0	0 0 0	351 11 3	15 12 6	335 18 9	0 0 0	335 18 9	National Provincial Bank of England.
155 0 0	155 0 0	0 0 0	0 0 0	5 3 4	149 16 8	0 0 0	149 16 8	"
444 0 0	416 18 0	0 0 0	0 0 0	44 8 0	372 10 0	0 0 0	372 10 0	"
22977 12 8	10421 0 8	12381 18 0	14351 19 10	68 4 5	14855 13 5	1535 4 7	13320 8 10	
	22802 18 8							

TABLE III. (L.G.B.)

## Causes of, and Ages at Death during the year 1915.

Causes of Death.	Nett Deaths at the subjoined ages of "Residents" whether occurring within or without the District.										Total Deaths whether of "Residents" or "non-Residents" in Institutions in the District.
	All ages.	Under 1 year.	1 and under 2 years.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and upwards.		
All Causes { Certified	1137	112	21	28	22	33	130	266	525	216	
{ Uncertified	1	...	...	...	...	...	1	...	...	...	
Enteric Fever	...	...	...	...	...	...	...	...	...	...	
Small Pox	...	...	...	...	...	...	...	...	...	...	
Measles	3	1	...	...	2	...	...	...	...	2	
Scarlet Fever	2	...	...	...	1	1	...	...	...	1	
Whooping Cough	9	4	2	2	1	...	...	...	...	...	
Diphtheria and Croup	11	...	...	4	6	...	1	...	...	10	
Influenza...	29	1	1	1	...	...	2	8	16	3	
Erysipelas	3	2	...	...	...	...	...	...	1	1	
Phthisis (Pulmonary Tuberculosis)	97	...	...	...	...	13	55	25	4	43	
Tuberculous Meningitis	11	5	1	4	1	...	...	...	...	7	
Other Tuberculous Diseases	13	3	...	1	...	...	4	5	...	4	
Cancer, malignant disease	126	...	...	...	...	...	7	46	73	31	
Rheumatic Fever	...	...	...	...	...	...	...	...	...	...	
Meningitis	18	1	3	2	2	2	4	4	...	13	
Organic Heart Disease	156	2	...	1	1	1	12	39	100	6	
Bronchitis	81	8	1	1	...	...	2	17	52	1	
Pneumonia (all forms)	57	7	10	5	1	2	7	8	17	3	
Other diseases of Respiratory Organs...	24	...	...	...	...	...	2	9	13	1	
Diarrhœa and Enteritis	14	5	1	2	1	...	...	1	4	1	
Appendicitis and Typhlitis	6	...	...	...	...	2	...	2	2	5	
Cirrhosis of Liver	5	...	...	...	...	...	...	5	...	...	
Alcoholism	3	...	...	...	...	...	...	3	...	...	
Nephritis and Bright's Disease	37	...	...	...	...	1	3	17	16	8	
Puerperal Fever	...	...	...	...	...	...	...	...	...	...	
Other accidents and diseases of Pregnancy and Parturition	4	3	...	...	...	1	...	...	...	...	
Congenital Debility and Malformation, including Premature Birth	45	45	...	...	...	...	...	...	...	3	
Violent Deaths, excluding Suicide	25	2	...	...	...	2	5	6	10	11	
Suicide	9	...	...	...	...	2	1	3	3	...	
Other Defined Diseases	350	23	2	5	6	6	26	68	214	62	
Diseases ill-defined or unknown	...	...	...	...	...	...	...	...	...	...	
	1138	112	21	28	22	33	131	266	525	216	
Sub-Entries inc. in above figures.											
(a) Cerebro-spinal Meningitis	...	...	...	1	2	3	5	2	..	...	
(a) Poliomyelitis	...	...	...	...	...	...	..	...	...	...	
Pneumonia	...	1	1	...	...	...	2	3	7	...	
Loba D	...	...	...	...	...	2	2	2	3	...	
Pleuro D	...	...	...	...	...	...	1	...	...	...	

## COUNTY BOROUGH OF BOURNEMOUTH.

## ANNUAL REPORT

OF THE

## BOROUGH BACTERIOLOGIST

For the Year ending 31st December, 1915.

TO THE MAYOR AND TOWN COUNCIL,  
BOURNEMOUTH.

Gentlemen,

I herewith beg to submit to you my Annual Report concerning the duties entrusted to me as Borough Bacteriologist.

During the past twelve months I have made 1,055 bacteriological and other investigations.

The examinations in question consisted of:—

Sanitary Hospital—Swabs	...	...	...	487
Do. Sundry Cultures, etc.	...	...	...	14
Health Department—For Medical Officer of Health	...	...	...	178
Do. Borough "Free" Examinations	...	...	...	52
Milk Samples, re Tuberculosis	...	...	...	54
do. re General Examination	...	...	...	54
Education Department—Hair and Skin Diseases	...	...	...	214
Sundries	...	...	...	2

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 1055

The following is a complete monthly list, showing how the various investigations were distributed throughout the year:—

In January	...	124 examinations were made.
February	...	88                    "
March	...	102                   "
April	...	71                    "
May	...	87                    "
June	...	109                   "
July	...	93                    "
August	...	29                    "
September	...	106                   "
October	...	78                    "
November	...	90                    "
December	...	78                    "
		—————
		1055
		—————

I remain, Gentlemen,

Your obedient Servant,

F. J. TANNER,

Borough Bacteriologist.

## COUNTY BOROUGH OF BOURNEMOUTH.

Sanitary Inspector's Department.

March, 1916.

TO THE MAYOR AND TOWN COUNCIL OF  
COUNTY BOROUGH OF BOURNEMOUTH.

Mr. Mayor and Gentlemen,

I have the honour to submit for your consideration the Annual Report of work carried out by this Department for the year ending December 31st, 1915.

The progress of the sanitary inspection of the Borough has been as well maintained throughout the year as the shortage of Staff will permit.

1,025 houses have been inspected and brought up to the standard of Regulations for the House to House inspection as adopted by your Authority.

419 notices were served and the Owners of these properties have complied with the requests of your Sanitary Committee.

No formal proceedings were therefore required to be taken.

The following special subjects have been considered by your Sanitary Committee and reported to the Council during the year:—

- (1) Report as to additional Disinfecting Station being required.
- (2) Cultivation of vacant grounds at West Howe and Sanitary Hospitals.

- (3) Contraventions under the Employment of Children Act.
- (4) Lock-up Shops.
- (5) Properties, Orchard Street.
- (6) Bakehouses.
- (7) Contraventions under the Shops Act.
- (8) Sanitary Conveniences for the sexes in special premises and workshops.
- (9) Means of escape from Workshops in case of Fire.
- (10) Tuberculous Carcases.
- (11) Billeting arrangements for Troops in the Borough.
- (12) Food Supplies and Unsound Eggs.
- (13) Poll of Shop Keepers for Order for Early Closing of Shops.
- (14) Right-of-ways, as to periodical scavenging and cleansing.
- (15) Accumulations of Garden Refuse on Vacant Plots.
- (16) Registered Workshops.

### BILLETED TROOPS.

Arrangements for billeting the Soldiers were agreed upon by the Military Authorities, the Billeting Officers, and the Sanitary Department on the same lines as last year, as follows:—

- (1) A list of unsuitable houses in the various districts was sent from time to time to



the Billeting Officers, including houses occupied by consumptives, and where special cases of illness were being nursed at home.

- (2) Arrangements were made as far as practicable for the soldiers to occupy the ground floor apartments and the civilians the first floor rooms.
- (3) Periodical inspections were made of the houses wholly occupied by the Troops.
- (4) On the removal of an infectious civilian case, a notification was sent to the Military Sanitary Authorities and the men were detained in the billets until visited by the Military Medical Officer and until the necessary disinfection was carried out, and isolation of contacts supervised.
- (5) Four special disinfecting stations were fitted out with suitable apparatuses and baths for treatment of verminous persons and their clothing, and for cases of scabies.
- (6) Periodical inspection was made of Food supplies sent to houses wholly occupied by the Troops.
- (7) Daily collection of house and other refuse was made at the houses.
- (8) Additional temporary sanitary conveniences were provided in those districts where the troops were billeted in large numbers.

In the periodical inspections of the billets special attention was paid to the general cleanliness

of the floors, and premises, storage of food supplies, larders, cooking utensils, tables, etc., in mess rooms; basins, towels, and washing accommodation generally, sanitary convenience accommodation; the flushing of drainage and temporary obstructions were immediately attended to, by the Drain Testers of your Health Department.

These duties necessitated a good deal of extra attention and overtime on the part of the staff, but our services were considerably lightened by the prompt information and assistance given by the Military Senior Medical Officers and Non-Commissioned Officers of the R.A.M.C.

HOSPITALS FOR BRITISH WOUNDED,  
INDIAN WOUNDED, AND NURSING HOMES,  
AND DETENTION HOSPITALS FOR  
BILLETED TROOPS.

These special Hospitals and Nursing Homes were all inspected, the drainage tested, and suitable Hospital sanitary fittings fixed under the supervision of this Department previous to the patients being received.

On the arrival of each batch of patients from the Front immediate arrangements were made with the Hospital Authorities for the disinfection of all articles of clothing, uniforms, and kit bags, at the Hot Air and Steam Disinfecting Station.

RE CINEMAS AND PICTURE PALACES.

The special arrangements made under your Authority for the regular disinfection of these premises, by the Public Disinfectors, once a fortnight, has been continued during the year. The

charge to cover his time and materials used, has been defrayed by the Proprietors.

General inspections have also been made of the premises, as to the Sanitary Conveniences, Lighting and Ventilation.

Structural arrangements have been made, so that each Cinema can be provided with sufficient natural day light during the intervals of the performances, also for the efficient ventilation during the performances by mechanical and electrical exhaust fans.

### FACTORY AND WORKSHOP ACTS, 1901-1907.

The total number of Workshops and Workplaces now registered in the Borough is 748, an increase of 3 on last year's total.

During the year 30 new workshops have been registered, 30 workrooms have been measured, and cards, re cubic space, etc., have been supplied to the occupiers.

In all cases where nuisances have been found notices have been given to the Owner or Occupier of the premises to remedy the defects, and it is very satisfactory to be able to report that in every case the nuisance has been abated without legal action.

During the year 1,151 inspections, including Bakehouses and Restaurants, have been made and notices have been served.

Bye-laws with respect to the provision of means of escape in Factories and Workplaces have been enforced. Twenty-five premises were inspected and 18 were dealt with, and the necessary alterations made to meet with the requirements.

The Occupation Cards have been revised and all are now brought up to date.

The following is the list of Workshops on the register at the end of the year, classified according to trade and showing the number of rooms occupied:—

Trade.	Premises Registered.	Rooms Occupied
Bakehouses ... ..	75	80
Dressmakers and Milliners ...	154	219
Tailors ... ..	86	114
Bootmakers and Saddlers...	73	76
Laundries ... ..	71	152
Carpenters and Builders ...	55	61
Cabinetmakers and Upholsterers ...	34	50
Coachbuilders ... ..	12	22
Watchmakers, &c. ... ..	15	20
Kitchens of Restaurants, &c. ...	43	43
Metal Workers, &c. ... ..	31	38
Cycle Builders and Motor Works ...	35	37
Miscellaneous ... ..	64	103
	748	1015

### BAKEHOUSES.

Of the 75 Bakehouses occupied in the Borough, five are occupied as underground bakehouses and the remainder are on, or above, the ground level.

All the underground Bakehouses are certified by your Authority to be suitable (as regards light, ventilation, construction, etc.) to be used as bakehouses.

During the year one additional bakehouse has been entered on the Register.

The whole of the bakehouses in the Borough

have been cleansed or limewashed twice during the year, in accordance with the requirements of the Act.

215 visits have been made of these premises during the year.

### KITCHENS OF RESTAURANTS, ETC.

These premises, 43 in number, have been inspected, and special attention has been given to the cleanliness of the larders, tables, and cooking utensils, and these have been found to be satisfactory.

### HOMEWORK.

During the year 85 lists containing the address of 258 "Outworkers" have been received.

Fourteen of these addresses were outside the Borough, and the usual particulars were sent to the Authorities of the District in which the work was done.

Three addresses were received from outside Authorities.

100 visits were made to outworkers' premises, and in no instance was it found necessary to serve a notice for the abatement of nuisance.

Eight employers of outworkers failed to send in their lists of outworkers at the specified time. Letters of warning were sent by the Town Clerk, the requirements were subsequently complied with.

### SHOPS ACT, 1912.

During the year 2,334 visits have been made to Shops in the Borough under this Act. In 144

cases the Exemption Notice under the second schedule, the Assistants' Weekly Half-holiday Notice, under section 1, and Young Persons' Notice under section 2, were not found to be affixed as required by the Act.

In most cases a warning was sufficient, the requirements being subsequently complied with. Thirty letters of warning were sent.

Special inspections with regard to the sale of non-exempted goods on the half-day of closing have been made, and in 29 cases letters of warning were sent.

### STREET TRADING.

Bye-laws under The Employment of Children Act, 1903, have been adopted by your Authority and enforced since June 24th, 1912.

Twenty-three evening and Sunday inspections have been made. 66 boys were found working in contravention of the Bye-laws and verbally warned, 21 letters of warning were sent to the parents.

No. of Badges out at the end of 1914	...	127
Do. ,, ,, issued 1915	...	79
Do. ,, ,, returned in 1915	...	42
Total do. ,, ,, out at end of 1915	...	107
Junior Boys transferred to Senior		
List	...	0
Badges lost	...	46

A deposit of sixpence has been paid by each Licensee.

EMPLOYMENT IN SHOPS, ETC. 46 premises have been visited with regard to the employment of children. 66 boys were found to be working in contravention of the Bye-laws. In all instances warnings by letter have been sent to the Parents and employers.

EMPLOYMENT IN PLACES OF ENTERTAINMENT. During the year 2 copies of licences have been received under the Prevention of Cruelty to Children Act, 1904, as to children appearing in Public entertainments. On each occasion the place of entertainment was visited and the conditions of the License enforced. Evening inspections were made by the Inspector when required.

### REGISTRIES FOR FEMALE DOMESTIC SERVANTS.

The number of the premises on the Register at the end of the year was 29.

During the year, business has been discontinued at 1 Registry, and 2 new offices have been registered.

14 visits have been made to the premises for the purpose of ascertaining whether the provisions of the Bye-laws relating thereto were complied with.

In 4 cases the records were found not to be in order, and letters of warning were sent in all instances, which have since been attended to.

### SMOKE NUISANCES.

During the year general inspections of the Borough have been made of special premises, such as bakehouses, laundries, factories, etc., for the detection of nuisances arising from black smoke and where found necessary observations of 60 minutes' duration were made.

Letters of warning were sent, and these had the desired effect.

## DAIRIES, COWSHEDS, AND MILK SHOPS ORDERS.

One hundred and seventy-nine inspections have been made of cowsheds, dairies and milk purveyors in the Borough, and the regulations relating to cleanliness, limewashing and general sanitation have been enforced. 4 registrations have been made during the year for the sale of milk from milk shops.

The half-yearly limewashing of premises has in every instance been carried out after notice by your Inspector. There are only five cowsheds in the Borough.

## GENERAL INSPECTION OF FOOD SUPPLIES.

During the year 3,914 visits were made to shops in the Borough for the inspection of Meat and Food Supplies and in respect to the cleanliness of premises and stores.

Periodical and regular inspections of the Meat Supplies form an important part of the duties of the Food Inspector. The tables appended prove how necessary these inspections are.

By arrangements with the retail traders early morning inspections of meat are made before the meat is "weighed in" by the butcher in all cases where the carcasses have been slaughtered outside the Borough.

Members of the Master Butchers' Association have rendered a great assistance to this Department in calling attention to diseased or doubtful carcasses. It is now the regular custom for the butcher to obtain the Inspector's opinion as to the carcass being fit for food before he completes the purchase should there be any doubt as to the meat being diseased or unsound.



The following quantities of meat and other foods were destroyed as diseased or unsound and unfit for consumption:—

	lbs.	No.
Butchers' Meat (diseased) ...	6887	
„ „ (unsound) ...	3829	
Fish and Poultry ...	958	
Fruit and Vegetables ...	7749	
Eggs ...		122
Gooseberries Destroyed under the American Mildew Order ...		31

In one instance a street hawker was prosecuted for exposing for sale, unsound eggs and fined 10s. and 7s. costs.

The following is a classified summary of the Food Purveyors' premises visited by the Food Inspector:—

	Visits.
Butchers Premises ...	2692
Fishmongers and Poulterers	584
Greengrocers ...	459
Grocers ...	89
Ice Cream Vendors' premises	4
Hawkers' Carts ...	120
Other premises ...	86
	<hr/> 4034 <hr/>

### SLAUGHTERHOUSES.

There are six slaughterhouses in the Borough.

During the year 453 inspections have been made and the Regulations as to periodical lime-washing, cleansing, etc., carried out.

It is satisfactory to report that in our Borough the Master Butchers' insist on their employees using proper and suitable instruments for slaughtering, and in taking all reasonable precautions to secure the humane slaughtering of animals by up-to-date methods.

Special attention has been given to the inspection of pigs. Strict inspection clearly proves that it is essential, both for reasons of the Public Health and the pig trade generally, that all carcasses should be carefully examined before being offered for sale.

Magisterial proceedings were instituted as to tuberculous meat being exposed for sale in 1 case, the defendant being fined £5, including costs.

#### STABLES AND MEWS.

During the summer months systematic inspections were made of the above premises with the view of minimising the nuisance and danger of the common house fly.

The Bye-laws as to the removal of the manure once a week have been strictly enforced.

Special circulars were sent under your authority to Jobmasters and Owners of Stables in the Borough.

#### PRIVATE SCHOOLS.

An inspection of the Private Schools in the Borough has been made with the view of detecting overcrowding of Class Rooms and ascertaining the sanitary condition of the premises generally.

The total number of Schools in the Borough is 49, comprising 173 rooms. The number of scholars in attendance averages about 1,895.

## HOUSE-TO-HOUSE INSPECTION.

The five District Sanitary Inspectors, acting under instructions, are proceeding with the House-to-House inspections after the usual daily routine work has been attended to.

The Owners of properties are still loyally supporting your Authority's demands and up to the present time all the notices served have been complied with and no prosecution has been found necessary.

Number of houses closed, the Owners having elected to do so voluntarily pending the necessary structural alterations being made	2
Total number of houses inspected ...	1025
Total number of Notices served to remedy the defects ascertained ...	419
Total number of Notices complied with ... ..	453*
Total number of Notices outstanding	100

NOTE.—In 65 cases the works are in hand at time of writing this report.

\*This includes 61 outstanding cases from 1914.

The two old properties in Orchard Street were dealt with under Section 17, Housing and Town Planning, etc., Act. The Owner voluntarily closed the two houses. One was demolished and the other structurally renovated throughout, and put into a safe habitable condition.

DETAILED PARTICULARS OF REPAIRS,  
ETC., EXECUTED IN MAKING THE  
HOUSE-TO-HOUSE INSPECTION.

	District No. 1.	District No. 2.	District No. 3.	District No. 4.	District No. 5.	Total.
(1) Water Supply.						
(a) Taps provided direct from main ... ..	23	22	3	44	25	117
(b) Storage water cisterns cleansed and covered ...	12	13	3	8	6	42
(c) Defective water fittings repaired and put in order	24	8	3	7	12	54
(2) Closet Accommodation.						
(a) New w.c. basins provided	17	8	10	10	16	61
(b) W.C.'s repaired or cleansed ... ..	35	3	6	22	17	83
(c) W.C.'s provided with an effective flush of water	36	10	8	10	0	64
(3) Drainage.						
(a) Main Drains provided with fresh air inlets ...	62	9	5	9	24	109
(b) Drains repaired or cleared from obstruction ...	66	5	10	10	26	117
(c) Soil and ventilating pipes repaired ... ..	43	11	8	3	26	91
(d) New drains provided ...	1	19	0	4	7	31
(4) General Conditions as to Light, Ventilation, Cleans- ing, and Dampness. ...						
(a) Passages and Staircases provided with additional light ... ..	0	0	2	0	0	2
(b) Rooms provided with additional ventilation ...	12	6	4	0	2	24
(c) Rooms, etc., cleansed and purified ... ..	81	12	6	71	44	214
(d) W.C. walls repaired and cleansed or provided with light and ventilation ...	7	5	6	2	6	26

	District No. 1.	District No. 2.	District No. 3.	District No. 4.	District No. 5.	Total.
(e) Leaky roofs repaired or made sound ... ..	51	9	4	35	34	133
(f) Defective eaves, gutters, and stackpipes repaired or renewed ... ..	78	12	4	24	21	139
(g) Cavity walls cleared from obstruction to remedy dampness ... ..	18	4	2	3	6	33
(h) W.C.'s and outbuildings provided with eaves, gutters, etc. ... ..	18	2	2	7	7	36

## (5) Ashbins.

(a) Ashbins or Ashboxes provided ... ..	3	5	2	0	0	10
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## 6) General Defects.

(a) New sink provided in lieu of defective brick and cement ... ..	7	17	3	8	2	37
(b) Sink waste pipes trapped and made to discharge below iron gratings ...	23	15	9	15	21	83
(c) Houses provided with ventilation under floors	10	10	2	4	6	32
(d) Floors repaired and made sound ... ..	15	12	2	11	40	80
(e) New food stores provided	0	2	0	0	0	2
(f) Windows, doors, grates, etc., repaired ... ..	4	5	0	7	6	22
(g) Houses where windows were provided with new sash lines ... ..	19	10	0	1	0	30
(h) Nuisances abated from overcrowding ... ..	0	2	0	0	0	2
(i) Manure receptacles pro- vided ... ..	0	0	0	0	1	1
(j) Back yards paved with impervious material ...	0	12	4	0	6	22

DISTRICT SANITARY INSPECTORS'  
SUMMARY OF WORKS.

1.—NUISANCES.

	District No. 1.	District No. 2.	District No. 3.	District No. 4.	District No. 5.	Total.
Complaints received and attended to ... ..	124	211	64	150	43	592
Number of Tests made for detec- tion of nuisances ... ..	9	11	4	11	9	44
Visits <i>re</i> abatement of nuisances	564	243	228	512	209	1756
General Inspections of District Premises inspected ... ..	43	55	26	29	15	168
Number of Nuisances detected...	428	267	407	304	50	1456
Total number of nuisances abated ... ..	91	188	93	104	35	511
Total number of nuisances outstanding end of Dec., 1914	138	162	88	87	39	514
Ditto 1915	7	3	0	10	4	24
	4	5	5	5	0	19

2.—INFECTIOUS DISEASE.

Enquiries for Reports to M.O.H.	80	158	12	103	26	379
Premises tested ... ..	3	13	0	3	5	24
„ not tested ... ..	77	145	12	100	21	355
„ with defects ascertained	9	6	0	9	1	25
Nuisances detected ... ..	12	15	0	10	1	38
„ abated ... ..	10	14	0	10	1	35
Nuisances outstanding ... ..	2	1	0	0	0	3
Total No. of Visits ... ..	213	270	18	139	31	671
Total number rooms disinfected	74	109	11	120	26	340
Total number books disinfected	36	25	1	32	5	99
Rooms disinfected after Phthisis	40	52	19	53	26	190
Rooms disinfected after other non-notifiable disease ... ..	97	19	30	94	29	269
Number of school notices sent out ... ..	127	91	6	145	40	409

## 3.—NEW BUILDINGS.

	District No. 1.	District No. 2.	District No. 3.	District No. 4.	District No. 5.	Total.
Water tests ... ..	43	72	28	44	21	208
Number of re-tests ... ..	5	0	3	5	2	15
Smoke tests ... ..	54	65	13	27	11	170
Number of re-tests ... ..	4	0	3	3	7	17
Total visits... ..	108	164	47	88	39	446
Number of reports made to B. I. <i>re</i> details of defects ascer- tained... ..	33	39	4	10	2	88

## 4.—PRIVATE INSPECTIONS.

Premises Inspected and Tested	45	13	39	45	23	165
Subsequent Water Tests ... ..	15	4	10	17	5	51
„ Smoke „ ... ..	13	7	17	20	23	80
Visits <i>re</i> Supervision of Works	266	17	176	188	53	700
Total Visits ... ..	311	52	242	278	86	969
Reports outstanding end of Dec., 1915 ... ..	0	7	5	5	0	17

## 5.—HOUSE-TO-HOUSE INSPECTION OF DISTRICTS.

Total No. of Premises inspected	319	197	0	275	234	1025
„ Notices served ... ..	173	66	0	73	107	419
„ „ complied with	159	60	0	89	64	392
„ „ works in hand	9	0	2	14	40	65
„ outstanding Dec. 31st, 1914 ... ..	22	17	13	52	57	161
„ not commenced at end of Dec., 1915	5	4	0	2	24	35
„ outstanding 1914 & completed 1915	22	0	11	20	14	61
Number of tests ... ..	0	12	2	4	0	18
„ visits ... ..	918	136	30	1119	589	2792

## DISINFECTION.

## NOTIFIABLE DISEASE.

No. of Articles removed from Dwellings ...	...	...	1425
„ „ Disinfected at Hospital ...	...	...	6975
„ Wards „ „ „ ...	...	...	188
„ Times Drains flushed at Hospital ...	...	...	113
Special Visits by Inspector ...	...	...	179
No. of Articles Destroyed ...	...	...	35

## NON-NOTIFIABLE DISEASE.

No. of Articles Disinfected after Phthisis ...	...	...	421
„ „ „ „ other non-notifiable Diseases	...	...	14705
Special Visits by Inspectors ...	...	...	233
No. of Articles destroyed ...	...	...	202
Rooms Disinfected after C.S.M. ...	...	...	44

## COMMON LODGING-HOUSES.

There are only two registered common lodging-houses in the Borough.

The premises in both instances have been kept in clean and satisfactory condition, and no case of infectious disease has been notified.

The general supervision of these premises is under the control of the Police.

## FRIED FISH SHOPS.

There are now 14 of these shops in the Borough, and from time to time inspections have been made as to the cleanliness of premises, soundness of fish supplies and ingredients used in the trade.

Special improvements for consuming the fumes from cooking have been effected under advice in three instances.



## INFECTIOUS DISEASE.

During the year 324 reports, as per under-mentioned table, have been made to the Medical Officer of Health as to infectious cases notified

The drainage and sanitary arrangements of the premises have been examined and tested, and 27 preliminary notices have been served on the owners and occupiers for the abatement of nuisances ascertained.

These notices have in all cases been complied with satisfactorily.

The house drainage and sewers have also been flushed and disinfected where necessary.

In cases nursed at home the District Inspector leaves a pamphlet form of suggestions at the house, giving particulars as to nursing, disinfection, penalties, etc.

## REPORTS OF INFECTIOUS CASES.\*

					Total.
Scarlet Fever ...	46	46	18	51	161
Diphtheria & Mem- braneous Croup ..	15	47	2	42	106
Typhoid Fever ...	1	0	1	0	2
Erysipelas ...	8	6	2	10	26
Paratyphoid Fever	—	—	—	1	1
Cerebro Spinal Meningitis ...	7	4	2	15	28
Totals reported	77	103	25	119	324
Houses with defects ascertained	8	9	0	10	27

\* Include Observation and Quarantine Cases and Military Cases.

## POKESDOWN NEW SEWERS.

The following new sewers have been constructed in the Pokesdown and Southbourne district:—

Extension of 9in. Sewer, Southbourne  
Overcliff Drive.

The sewage from the cesspools in the outlying Rural Districts has been carted to Strouden Farm and utilised on agricultural land.

CESSPOOL DRAINAGE AT WINTON,  
MOORDOWN AND POKESDOWN.

## WINTON AND MOORDOWN DISTRICT.

During the past year the following works have been executed in connection with the emptying of cesspools in the above-named districts:—

Number of cesspools emptied	...	...	99
Number of loads of sewage removed	...	...	333
Number of cesspools condemned and filled in	...	...	9

The emptying of cesspools in the Winton and Moordown District is now practically completed. There are only 7 houses with cesspool drainage, and these are situated principally in the lower parts of Moordown and in roads that cannot at present be sewerred owing to existing levels of sewers.

The cesspool cart (Merryweather's Patent Vacuum cart) was at work 56 days during the year. Eighteen houses which formerly drained into cesspools or having only pail closets in use have been drained into the new system of sewers.

## POKESDOWN DISTRICT.

There are 14 cesspools in the District of Tuckton and Wick which require periodical attention:—

Number of cesspools emptied ... ..	20
Number of loads of sewage removed ...	130
Number of cesspools filled in ... ..	2

## PIGGERIES.

## WINTON DISTRICT.

Periodical Inspections have been made of the piggeries in this district.

At present there are 13 piggeries at which 75 pigs are kept.

They are situated in the outlying parts of the district at Moordown and are kept in conformity with the Bye-laws.

Five piggeries have been removed during the year, and no new piggery has been erected.

Two complaints only have been received and the nuisances abated.

## POKESDOWN DISTRICT.

Number of piggeries ... ..	20
Number of pigs kept when last inspection was made ... ..	254

All the piggeries are situated in the rural parts of the District and are in conformity with the Bye-laws.

## PUBLIC MORTUARY.

From January 1st, 1915, to December 31st, 1915, the total number of Inquests was 93 and Post Mortems 51.

The total cost as to working expenses for the year 1915, so far as this Department is concerned, is as follows:—

Proportion of Attendants' wages for daily cleansing ... ..	14	13	5½
Attendance at Inquests and Post-Mortems ... ..	29	12	6
Gas from December 19th, 1914 to December 19th, 1915, including meter rent and upkeep of burners ... ..	1	8	4
Disinfectants, Soap, Laundry, Gloves, Overalls, etc. ... ..	2	16	5
	<hr/>		
	£48	10	8½
	<hr/>		

N.B.—The Water supply for the Mortuary, etc., is taken from the main supplying the Central Depôt and is not separately charged.

#### CERTIFIED CAUSE OF DEATH.

Asphyxia ... ..	2
Bronchial Pneumonia ... ..	2
Congestion of Lungs ... ..	5
Bronchitis ... ..	1
Exhaustion ... ..	2
Heart Failure (caused by Internal Diseases) ... ..	18
Hemorrhage Cerebral ... ..	5
„ Internal ... ..	2
Fractured Skull ... ..	8
Pleurisy ... ..	1
Pulmonary Tuberculosis ... ..	5
Suffocation ... ..	3
Syncope ... ..	6
Shock ... ..	10
Strangulations caused by hanging ... ..	3

Dislocation of Spine	...	...	2
Poisoning (self-administered)	...	...	2
Ulcerated Stomach	...	...	1
Cancer	...	...	1
Concussion of brain	...	...	2
Nephritis	...	...	1
Convulsions	...	...	1
Premature Birth	...	...	1
Water on brain	...	...	1
Laceration of brain	...	...	1
Ruptured Aorta	...	...	3
Ruptured Spleen	...	...	1
Inattention at Birth	...	...	2
Ruptured Heart	...	...	1
			<hr/>
	Total	...	93
			<hr/>

#### HOTEL CONVENIENCES.

At the Hotels and Public Houses where the conveniences are accessible to the general public, the arrangements made for the daily cleansing by the drain testers, continue to work satisfactory.

#### CORPORATION PUBLIC CONVENIENCES.

Working expenses of Public Conveniences from December, 1914, to December, 1915:—

	£	s.	d.
Repairs to Conveniences	...	72	4 2
Wages paid to Attendants	...	580	13 6
Gas and Water, and hire of Meters and Automatic controllers	...	143	0 6½
Disinfectants, Soap, Brushes Laundry work, etc.	...	35	14 0½
			<hr/>
Total expenditure	...	831	12 3
Total Receipts	...	1317	8 8
„ Expenditure	...	831	12 3
			<hr/>
Balance	...	485	16 5

Statement of Receipts from Public Conveniences from December, 1914, to December, 1915.

Convenience.	January		February		March		April		May		June		July		August		September		October		November		December		Totals.			
	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.		
Argyll Gardens...	0	1 10	—	—	0	2 8	—	—	0	5 1	0	1 6	0	7 5	0	6 1	—	—	0	8 0	0	4 4	0	0 8	0	0 8	1	8 0
Knyveton Gardens, Lawn Tennis	2	3 8	1	14 1	0	14 7	1	19 1	1	11 3	1	16 5	0	3 5	0	6 11	0	5 1	0	2 0	0	0 1	0	0 3	0	0 3	1	13 0
Westbourne	1	17 4	1	8 4	1	8 10	1	19 4	1	13 2	1	9 3	1	7 5	1	18 3	1	19 11	2	0 6	1	14 1	1	1 9	0	6	20	12 4
Poole Hill	2	2 10	1	11 10	1	15 7	2	0 0	2	2 6	1	16 1	1	18 7	2	8 7	2	12 1	1	17 6	1	13 3	1	9 7	1	7	21	4 8
The Triangle	3	14 1	3	8 2	3	15 6	5	1 0	4	9 10	3	19 1	4	6 4	5	6 2	2	15 8	2	17 4	1	18 6	1	12 11	1	7	23	18 11
Bourne Avenue...	5	5 7	4	12 2	4	15 3	6	1 6	5	18 6	9	5 9	8	13 4	13	4 6	5	6 2	4	19 0	4	3 11	3	14 10	3	14	52	9 4
Westover Road, Gents'	14	13 1	11 9	9 15	3	9 20	8	1 0	18	11 3	24	15 2	23	3 1	37	5 0	38	8 11	25	10 4	17	6 9	13	17 9	260	12 11		
" " Ladies'	0	10 4	0	9 0	0	11 1	0	17 1	0	11 11	0	15 3	0	16 7	1	8 2	1	13 1	0	11 3	0	7 4	0	6 6	8	17 7		
Engine House	2	15 3	2	8 0	2	19 8	5	1 3	4	8 1	6	11 4	2	7 3	12	0 4	11	4 4	5 1	3 1	19	11 0	17 8	62	0 6			
Pier Approach	0	16 2	0	12 10	1	4 4	1	11 9	1	9 2	1	14 3	1	10 0	3	6 1	3	15 5	1	12 0	1	2 6	0	11 8	20	3 5		
East Cliff, Ladies'	0	9 9	0	5 8	0	13 3	0	19 6	1	2 8	0	16 11	16	15 8	32	1 5	2	14 3	0	14 8	0	11 5	0	5 5	10	8 8		
" " Gents'	9	12 10	8 7	5 10	11 5	14 4	6 2	7 7	18 5	11	17 13	4 14	16 8	14 16	30	12 5	27	14 6	10 7	12 4	3 9	15 2	194	1 9				
Central Gardens, Ladies' No. 1	4	4 5	3 13	2 3	13 3	4 8	11 3	16 7	3 18	10 4	10 8	7 3	10 8	7 3	10 7	3 10	13 8	5 3	4 8	9 3	11 7	5 6	6 2	115	11 11			
" " No. 2	1	17 2	1 8 5	1 14 0	1 17 0	1 17 0	1 17 0	1 17 0	1 5 0	1 4 3	1 7 3	1 7 3	1 7 3	1 7 3	1 15 0	1 15 0	1 18 10	1 15 3	1 8 8	1 4 0	1 4 0	1 4 0	1 4 0	1 4 0	18	14 10		
Lansdowne	3	3 7	3 6 8	3 1 5	3 15 0	2 18 8	2 12 11	2 18 4	3 13 9	1 2 18	4 3 13	9 1	2 18 4	3 13 9	3 13 9	1 2 3	1 2 3	1 2 2	2 2 0	1 4 8	2 2 0	1 4 8	2 2 0	1 4 8	36	0 2		
Horse Shoe	0	2 4	0 8 11	0 3 10	0 4 7	0 6 6	0 3 7	0 11 1	0 8 2	0 6 0	3 7 0	0 11 1	0 8 2	0 11 1	0 8 2	0 6 4	0 8 2	0 4 10	0 5 5	0 8 4	0 4 7	0 3 0	6 0	4 7	3	12 2		
Boscombe (Carnarvon Cres.), Gents'	0	14 3	0 4 6	0 9 10	0 15 2	0 10 4	0 5 1	0 8 6	0 6 4	0 5 1	4 11 7	8 7 4	4 11 7	8 7 4	4 6 6	0 6 4	0 8 2	0 4 10	0 5 11	0 7 3	0 6 0	1 3 0	1 3 0	1 3 0	5	1 4 4		
King's Park, Ladies'	1	4 5	0 16 0	1 3 2	1 8 4	1 9 8	1 19 8	1 18 0	1 8 1	19 8	1 18 0	1 18 0	1 18 0	1 18 0	1 12 2	1 12 2	1 10 10	0 13 9	0 4 10	0 2 8	0 2 8	0 2 8	0 2 8	0 2 8	8	1 9 9		
" " Gents'	0	5 10	0 8 3	0 7 7	0 11 10	0 12 7	0 12 4	0 19 1	0 5 3	0 5 7	0 5 3	0 5 3	0 5 3	0 5 3	0 11 11	0 11 11	0 11 8	0 5 7	0 1 3	0 1 3	0 1 3	0 1 3	0 1 3	0 1 3	2	17 9		
Boscombe Cliff Gardens, Ladies'	1	7 7	1 9 8	2 4 8	2 12 5	2 13 6	3 1 6	2 7 9	2 7 9	2 7 9	2 7 9	2 7 9	2 7 9	2 7 9	5 13 3	5 13 3	5 10 2	3 11 11	2 0 5	1 2 11	2 0 5	1 2 11	2 0 5	1 2 11	33	15 9		
" " Gents'	0	1 6	0 4 6	0 2 1	0 2 0	0 5 2	0 5 7	0 5 3	0 5 3	0 5 7	0 5 3	0 5 3	0 5 3	0 5 3	0 11 11	0 11 11	0 17 6	0 5 10	0 3 10	0 2 8	0 2 8	0 2 8	0 2 8	0 2 8	5	3 0		
Bournemouth	0	10 8	—	—	0 8 7	0 5 5	0 4 1	1 2 0	1 2 0	1 2 0	1 2 0	1 2 0	1 2 0	1 2 0	17 15 7	17 15 7	18 2 8	4 16 1	1 12 11	0 18 3	0 18 3	0 18 3	0 18 3	0 18 3	72	2 10		
Alum Chine	1	7 11	0 19 8	1 12 11	3 8 11	4 13 0	8 19 6	7 15 5	7 15 5	7 15 5	7 15 5	7 15 5	7 15 5	7 15 5	1 13 5	1 13 5	2 18 9	2 2 2	0 10 11	0 18 3	0 18 3	0 18 3	0 18 3	0 18 3	15	14 1		
Durley Chine	0	6 7	0 4 8	0 4 8	0 4 8	0 7 8	0 1 9	0 5 4	0 5 4	0 5 4	0 5 4	0 5 4	0 5 4	0 5 4	0 5 5	0 5 5	0 7 1	0 3 6	0 9 8	0 6 9	0 6 9	0 6 9	0 6 9	0 6 9	3	10 6		
Durley Road, Gents'	0	4 6	0 2 11	0 3 10	0 3 9	0 9 9	0 11 10	0 7 2	0 7 2	0 7 2	0 7 2	0 7 2	0 7 2	0 7 2	0 2 5	0 2 5	0 16 7	0 6 2	0 4 9	0 0 9	0 0 9	0 0 9	0 0 9	0 0 9	3	14 5		
Meyrick Park, Ladies'	0	3 9	0 2 11	0 2 3	0 2 1	0 6 3	0 6 8	0 2 7	0 2 7	0 2 7	0 2 7	0 2 7	0 2 7	0 2 7	0 6 5	0 6 5	0 6 10	0 3 0	0 3 6	0 2 5	0 2 5	0 2 5	0 2 5	0 2 5	2	8 8		
" " Gents'	0	17 6	0 10 11	0 10 4	0 15 10	1 11 0	14 5	1 1 3	1 1 3	1 1 3	1 1 3	1 1 3	1 1 3	1 1 3	1 10 10	1 10 10	1 0 11	0 18 4	0 16 0	0 18 9	0 18 9	0 18 9	0 18 9	0 18 9	10	17 0		
Near Cemetery, Ladies'	1	17 4	1 8 9	1 9 5	1 8 5	1 7 6	1 2 0	1 1 3	1 1 3	1 1 3	1 1 3	1 1 3	1 1 3	1 1 3	1 11 9	1 11 9	1 7 11	1 16 1	1 2 4	1 2 4	1 2 4	1 2 4	1 2 4	1 2 4	5	16 15 2		
" " Gents'	0	8 7	0 4 10	0 11 3	0 12 5	1 7 5	2 1 7	2 12 10	2 12 10	2 12 10	2 12 10	2 12 10	2 12 10	2 12 10	4 12 6	4 12 6	4 9 7	1 19 0	0 13 11	0 7 9	0 7 9	0 7 9	0 7 9	0 7 9	20	1 8		
Fisherman's Walk, Ladies'	0	16 7	0 7 8	0 8 2	0 11 9	0 14 7	0 16 8	0 17 3	0 17 3	0 17 3	0 17 3	0 17 3	0 17 3	0 17 3	2 5 2	2 5 2	3 3 2	1 3 9	0 8 10	0 8 10	0 8 10	0 8 10	0 8 10	0 8 10	5	12 8 11		
" " Gents'	1	13 5	1 6 10	0 16 7	1 11 9	0 14 3	0 16 8	0 17 1	0 17 1	0 17 1	0 17 1	0 17 1	0 17 1	0 17 1	1 9 1	1 9 1	1 5 6	1 3 6	1 9 7	1 3 8	1 3 8	1 3 8	1 3 8	1 3 8	14	7 11		
Holdenhurst Road, Gents'	1	9 6	1 14 5	1 10 7	1 10 6	1 13 5	0 16 3	0 12 8	0 12 8	0 12 8	0 12 8	0 12 8	0 12 8	0 12 8	0 18 4	0 18 4	0 14 10	1 3 10	1 3 10	1 3 10	1 3 10	1 3 10	1 3 10	1 3 10	1 3 10	14	18 1	
Alma Road, Gents'	1	6 3	0 7 0	0 16 6	0 8 5	0 8 7	0 11 1	0 12 8	0 12 8	0 12 8	0 12 8	0 12 8	0 12 8	0 12 8	0 10 9	0 10 9	0 8 10	0 11 4	0 9 3	0 11 4	0 11 4	0 11 4	0 11 4	0 11 4	5	1 3		
Markets	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Charminster Road	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Palmerston Road, Ladies'	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
" " Gents'...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTAL	70	3 957 5	467 10	997 3	1192 19	4124 0	1123 12	10211 17	9212 2	10119 15	880 15	260 1	31317 8	8														

## WATER METERS.

The following is a comparative statement of the consumption of water supplied by the Gas and Water Company to your Authority for the years 1914 and 1915:—

Situation of Meter.	Consumption in 1914.	Consumption in 1915.	
Cabstand, Littledown Road ... ..	5,600	3,400	
„ St. Swithun's Road ... ..	13,800	7,300	
„ Waverley Road ... ..	5,700	6,800	
Fire Station, Holdenhurst Road... ..	70,800	63,700	
Cabstand, Meyrick Road ... ..	10,100	8,900	
„ Madeira Road ... ..	11,100	4,800	
Borough Offices ... ..	190,800	165,100	
Yelverton Chambers ... ..	27,700	20,200	
West Gardens Tennis ... ..	12,400	10,900	
Corporation West Yard ... ..	117,900	104,600	
Wharf Road Depot ... ..	65,000	56,900	
Drinking Trough, Chine Road .. ..	87,800	39,700	
Cabstand, Durley Road .. ..	2,000	2,300	
„ West Cliff Road .. ..	12,400	10,200	
„ No. 1 West Cliff .. ..	18,100	12,400	
„ Exeter Road .. ..	5,200	3,800	
West Fire Station .. ..	43,300	50,800	
Mess Room, Westover Gardens .. ..	30,400	25,900	
Engine House in Gardens ... ..	922,500	553,200	
Lansdowne Drinking Trough ... ..	57,900	22,600	
Cabstand, Charminster Road .. ..	2,600	3,800	
Cemetery, Wimborne Road .. ..	141,200	106,000	
The Refuse Destructor... ..	385,500	413,200	
Alum Chine Cliff Gardens ... ..	21,400	17,500	
Cabstand, Gervis Road.. ..	2,500	1,200	
„ Derby Road .. ..	8,600	6,800	
Knyveton Road ... ..	5,000	3,400	
Boscombe Gardens .. ..	31,700	26,400	
East Yard .. ..	695,400	482,300	
Cabstand, Spa Road .. ..	18,200	16,300	
„ Adeline Road .. ..	5,400	3,800	
„ Palmerston Road .. ..	2,800	7,800	
Boscombe Depot ... ..	117,300	122,300	
King's Park .. ..	250,300	160,800	
East Cemetery ... ..	89,000	67,000	
Sanitary Hospital ... ..	1,041,200	1,197,700	
Parkwood Road .. ..	Flushing Meters	60,300	74,200
Queensland Road ... ..	„	16,400	24,200
Rosebery Road ... ..	„	21,900	26,500
Clarence Park Road and Fountain .. ..	„	13,900	29,400
Stourwood Avenue ... ..	„	—	—
Clifton Road .. ..	„	39,800	28,500
Stourwood Road .. ..	„	11,000	8,700
Fountain, Parkwood Road .. ..	„	36,500	50,400
Boscombe Cliff Gardens .. ..	„	55,700	47,600
Wharnclyff Road ... ..	„	10,000	13,900
Electric Car Sheds ... ..	„	250,400	218,100
Knyveton Gardens .. ..	„	27,800	31,600

	Consumption in 1914.	Consumption in 1915.
Meyrick Park Pavilion and Mr. Curtis' Workshop ..	87,900	80,900
*Golf Clubs, and Caddies' Shelter ... ..	242,000	103,900
Bourne Avenue Cabstand ... ..	57,100	23,800
Urinal, Westbourne ... ..	84,700	55,800
"  Triangle ... ..	99,800	93,700
"  Bourne Avenue ... ..	93,300	101,500
Ladies' Lavatory, Exeter Lane .. ..	141,800	154,100
Winter Gardens ... ..	456,000	426,400
Urinals, facing Pier ... ..	349,200	278,800
The Pier .. ..	357,000	229,300
"  (Special for Boats) .. ..	103,000	55,000
Urinal and Cabstand, The Westover .. ..	329,300	314,600
Urinal and Cabstand, Firs Glen.. ..	130,500	86,100
"  Lansdowne Crescent ... ..	120,000	111,100
Urinal and Fountain, Boscombe Gardens.. ..	155,400	91,200
Urinal, Carnarvon Crescent .. ..	122,000	102,000
Gervis Road Drinking Trough ... ..	19,800	14,500
Bowling Green, Meyrick Park .. ..	34,600	16,800
Christchurch Road Dépôt .. ..	81,600	80,000
West Refreshment Rooms (recoverable) ... ..	53,200	52,600
East Refreshment Rooms (recoverable) .. ..	54,000	45,300
Poole Hill Urinal .. ..	65,400	35,700
Alum Chine ... ..	162,600	192,300
Durley Chine... ..	38,600	40,200
Boscombe Pier .. ..	43,900	31,500
The Square, for watering lines .. ..	9,200	10,600
Queen's Park Caddies' Shelter .. ..	21,800	11,200
Winton Recreation Grounds ... ..	102,200	87,400
Boscombe Refreshment Rooms (recoverable) .. ..	12,500	10,800
Pokesdown Tram Sheds ... ..	97,700	95,800
Argyll Gardens .. ..	56,900	43,600
Fountain, East Beach .. ..	18,000	14,400
Fountain, West Beach.. ..	11,000	10,400
Moordown Car Sheds .. ..	19,600	26,400
Queen's Park Golf Pavilion (recoverable) .. ..	114,900	135,500
Queen's Park Golf Links .. ..	201,100	123,900
East Beach Convenience ... ..	317,100	294,600
West Beach Convenience .. ..	288,100	262,000
East Cliff Urinal ... ..	51,900	34,700
Queen's Park Rifle Range .. ..	5,100	2,100
Nursery, King's Park ... ..	14,800	4,300
Alum Chine Refreshment Room (recoverable) .. ..	14,200	12,900
Durley Chine Refreshment Room (recoverable) .. ..	19,700	29,700
Pavilion, Winton Recreation Ground .. ..	19,800	14,700
Cromwell Road Urinal.. ..	18,200	41,900
Durley Road Gents. .. ..	38,500	8,300
King's Park Cricket Pitch .. ..	1,800	—
Mess Room facing Southcote Road ... ..	139,600	110,000
Lavatories near Cemetery .. ..	58,100	90,100
Boscombe Beach Boat House ... ..	21,500	13,500
† Fisherman's Walk Convenience.. ..	65,400	55,300
† Holdenhurst Road Gents' .. ..	46,200	49,500
† Sanitary Offices .. ..	42,700	39,900
<b>Total ..</b>	<b>10,344,700</b>	<b>8,813,500</b>

† New Meters.

\*This meter supplies Bournemouth Golf Club and Meyrick Park Golf Club, which are recoverable.



## STATEMENT OF ACCOUNTS.

	£	s.	d.
Sanitary Inspections ... ..	146	9	6
Maintenance of Patients ... ..	676	17	2
Military accounts, Special disinfection and baths, including transport ...	215	12	4½
Disinfection of rooms, bedding and clothing, and after non-notifiable disease including transport ...	136	4	8
Rat catching accounts ... ..	41	3	6
Cleansing of Sanitary Conveniences, etc., at Public Elementary Schools	72	0	0
Cesspools emptied ... ..	13	0	6
Disinfecting Cinemas ... ..	7	19	6
Cleaning and flushing drains, etc. ...	3	1	6
Checking meters at Elementary Schools ... ..	9	0	0
Disinfectant supplied ... ..	6	1	9
Hire of Ambulance ... ..	1	16	0
Cleaning Passages and Right of Ways	9	6	6
Hire of Mortuary ... ..	1	8	6
Cleaning and draining water course Wick Farm ... ..	12	6	2
Destroying Wasps' Nests ... ..	0	16	6

## SALE OF FOOD AND DRUGS ACTS, 1875-1907.

Acting Inspector : Mr. W. D. Carter.

During the year 1915, 243 samples of Food and Drugs were obtained, of which number 149 samples were formally purchased or "taken" in accordance with the provisions of the Acts, 94 samples were purchased informally and submitted as "test samples" to the Analyst.

Of 243 samples 193 or 79.42 per cent., were reported genuine, 24 or 9.87 per cent. were poor or doubtful quality, and 26 or 10.69 adulterated or in some way deficient.

	Adulterated, per cent	Poor or doubtful, per cent.
Official ...	12.75	13.42
Unofficial ...	7.45	4.25

Tables showing the various articles analysed during the year, with the results of analyses, will be found in the Public Analyst's Report, Tables II. and III.

## MILK.

Eighty-three samples of milk were officially purchased or "taken" and submitted to the Public Analyst who reported adversely upon ten of the samples. Of the adulterated samples two were deficient in milk fat and seven contained added water, etc., one contained 0.04 per cent boric acid, equal to 28 grains per gallon.

Fifty-one samples were submitted to the "Gerber test" by your Inspectors; the whole of the samples were taken from consignments of milk in course of delivery to dairymen in the Town. In one case the quality of the supplies was found to

fall below the minimum requirements of the Board of Agriculture and a letter of warning was sent to the producer.

For the detection of the poorer supplies, and subsequent administration regarding them, these examinations are of increasing utility.

### BUTTER.

Forty-seven samples of Butter were purchased during the year, thirty-seven of this number being purchased as "test samples."

Two samples of Butter were reported by the Public Analyst to contain 44 per cent. and 47 per cent. of Margarine respectively.

The Vendors were prosecuted and fined £2 10s. in each case.

### DRUGS AND PRESCRIPTIONS.

Ten samples of Drugs including Seidlitz Powders, Powdered Alum, Powdered Tragacanth, and Prescriptions were sent for analysis.

The Public Analyst reported adversely upon the following informal samples:—

- 1 sample Powdered Alum.
- 2 Prescriptions.

Article.	Number.	Genuine.	Poor or Doubtful.	Adulterated.
Prescriptions ..	5	1	2	2
Seidlitz Powder ..	2	1	1	0
Powdered Tragacanth	2	2	0	0
Powdered Alum ..	1	0	0	1
	—	—	—	—
	10	4	3	3
	—	—	—	—

These were followed up by formal samples.

Two samples of Seidlitz powders and one sample of Lime Water, were reported adulterated. Letters of warning were addressed to the Vendor concerned.

## PRESERVATIVES AND COLOURING MATTERS.

The following table shows the number of articles analysed during 1915, which were reported by the Analyst to contain some preservatives or colouring matter:—

No. of samples analysed.	OFFICIAL SAMPLES.		No. containing Preservative.		Remarks.
	Article.	Preservative.	Colour.		
78	Milk .. ..	1	56		Traces to mere traces of annatto.
5	Separated Milk	0	4		Traces of annatto.
8	Cream .. ..	4	—		0·19 to 0·30 per cent. boric acid.
4	Preserved Cream	4	—		0·28 to 0·34 per cent. ..
10	Butter .. ..	5	—		0·18 to 0·30 per cent. ..
12	Sausages .. ..	8	—		0·07 to 0·26 per cent. ..
2	German Sausages	2	—		0·13 and 0·145 per cent. formaldehyde.
UNOFFICIAL SAMPLES.					
37	Butter ... ..	4	—		0·11 to 0·35 per cent. boric acid.
5	Margarine .. ..	4	—		0·12 to 0·30 per cent. ..
2	Sausages ... ..	1	—		0·12 per cent. boric acid.
2	Cordials .. ..	2	—		{ 0·58 and 0·72 per cent. sulphuric acid. } 1·02 and 7·0 per cent. salicylic.
63		35	60		

## LEGAL PROCEEDINGS.

During the year seventeen summonses were taken out and convictions followed in each case.

In sixteen cases the proceedings were instituted in respect of samples reported against by the Public Analyst. The other case was taken for Obstruction in taking of sample.

Legal Proceedings Instituted in Respect of  
Samples Reported against by Public Analyst:—

Sample No	Article.	Nature and extent of Adulteration.	Result of Legal Proceedings.	Fine.	Costs.
24	Skimmed milk	Consisted of 11 % added water	Withdrawn		Pay't of costs
23	Milk	Consisted of 3 % " "	Withdrawn		"
35	Skimmed milk	Consisted of 5 % " "	Conviction	£2/10	Incl'e of costs
36	"	Consisted of 25 % " "	Conviction	£2/10	"
49	Self-raising flour	Phosphate used contained 42 % sulphate calcium	Conviction	£1	"
50	"	29 % " "	Conviction	£1	"
80	Butter	Consisted of 44 % margarine	Conviction	£2/10	"
81	"	Consisted of 47½ % " "	Conviction	£2/10	"
*95	Cream	Consisted of 0.31 % boric acid	Withdrawn	on pay	ment of costs
*100	"	Consisted of 0.19 % " "	Withdrawn		Pay't of costs
*101	"	Consisted of 0.22 % " "	Withdrawn		"
*110	Milk	Consisted of 0.04 % " "	Withdrawn		"

\*Other proceedings were taken in respect of these samples under the Public Health (Milk and Cream) Regulations, 1912.

Legal Proceedings Instituted in Respect of  
Offences other than Adulteration:—

Sample No.	Article.	Nature and extent of adulteration.	Result of Legal Proceedings.	Fines.	Costs.
202	Beer	Obstruction of Inspector in taking of sample.	Conviction	£5	9/-

## COUNTY BOROUGH OF BOURNEMOUTH.

PUBLIC HEALTH (MILK AND CREAM)  
REGULATIONS, 1912.REPORT UPON ADMINISTRATION ACTION : YEAR ENDED  
DECEMBER 31st, 1915.1. *Milk and Cream not sold as Preserved Cream.*

Samples.	No. of samples examined for Preservatives.	No. in which a preservative was found.	Nature of Preservative.	No. in which thickening substances were found
Milk .. ..	83	1	Boric Acid	Nil
Cream .. ..	9	4	Boric Acid	Nil

2. *Cream sold as Preserved Cream.*

Total number of samples examined	...	...	4
(a) Number of examinations as to correctness of statements on label	...	...	4
(b) Determination made of Milk Fat above 35 per cent.			4
(c) Instances where (apart from analysis) the requirements of the Regulations have not been observed...			Nil
Thickening Substances	...	...	Nil

*Samples Reported against by the Public Analyst.*

(a) Samples in regard to which Legal Proceedings have been instituted	...	...	4
(b) Samples in regard to which Legal Proceedings have not been instituted	...	...	Nil

Legal proceedings were instituted in respect to four of the samples of Milk and Cream.

In one instance a letter of warning was sent to the Vendor of the Cream.

Sample No.	Article.	Nature and Extent of Adulteration.	Action taken and determining circumstances.
95	Cream..	Contained 0.31 % Boric Acid	Conviction, fined £2 including costs
100	Cream..	Contained 0.19 % Boric Acid	„ „ 10/- „
101	Cream..	Contained 0.22 % Boric Acid	„ „ £1 „
110	Milk ..	Contained 0.04 % Boric Acid	„ „ 10/- „

I beg to tender by best thanks to the Chairman and Members of the Sanitary Committee for the careful and due consideration granted to any question relating to the duties of the Sanitary Department, and also to the Staff for their ready and willing assistance at all times.

I remain,

Mr. Mayor and Gentlemen,

Your obedient Servant,

WM. GEO. COOPER,

Chief Sanitary Inspector.

COUNTY BOROUGH OF BOURNEMOUTH.

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## ANNUAL REPORT

OF THE

# PUBLIC ANALYST

For the Year ending 31st December, 1915.

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TO THE MAYOR AND TOWN COUNCIL,  
BOURNEMOUTH.

Gentlemen,—

I have the honour of submitting for your consideration my Report on the samples of food and drugs sent to me for analysis during the year 1915.

The total number of samples was 243, being 80 fewer than last year and 157 below the number received in normal years. Of these 149 were taken under the usual formal provisions of the Food and Drugs Acts, and the remaining 94 were purchased informally by the Inspector or his Agents.

The number of adulterated samples was 26 or 10.7 per cent., this being a very considerable increase and the highest for 10 years with the exception of 1906 and 1912.

The poor or doubtful samples numbered 24 or 9.88 per cent., being an improvement upon last year.

Nineteen (equal 12.75 per cent.) of the adulterated and 20 (equal 13.42 per cent.) of the poor or doubtful samples were official.



The per centage of the adulterated unofficial samples was 7.45 and poor or doubtful 4.25.

Table I. shows the comparison of these results with those of the previous nine years:—

**Table I.**

Year		Adulterated	Poor or Doubtful
1906	(official)	9.0 per cent.	13.3 per cent.
„	(unofficial)	18.0 „ „	10.0 „ „
„	(total)	11.25 „ „	12.5 „ „
1907	(official)	8.0 „ „	14.0 „ „
„	(unofficial)	12.0 „ „	9.0 „ „
„	(total)	9.0 „ „	12.75 „ „
1908	(official)	7.0 „ „	12.0 „ „
„	(unofficial)	18.0 „ „	16.0 „ „
„	(total)	9.75 „ „	13.0 „ „
1909	(official)	4.33 „ „	13.72 „ „
„	(unofficial)	8.14 „ „	8.14 „ „
„	(total)	5.24 „ „	12.4 „ „
1910	(official)	7.38 „ „	9.73 „ „
„	(unofficial)	15.0 „ „	3.0 „ „
„	(total)	9.3 „ „	8.04 „ „
1911	(official)	8.0 „ „	16.0 „ „
„	(unofficial)	7.07 „ „	11.1 „ „
„	(total)	7.77 „ „	14.8 „ „
1912	(official)	12.33 „ „	10.66 „ „
„	(unofficial)	7.07 „ „	8.08 „ „
„	(total)	11.03 „ „	10.02 „ „
1913	(official)	6.33 „ „	10.33 „ „
„	(unofficial)	3.0 „ „	3.0 „ „
„	(total)	5.5 „ „	8.5 „ „
1914	(official)	5.71 „ „	14.7 „ „
„	(unofficial)	10.26 „ „	10.26 „ „
„	(total)	6.81 „ „	13.62 „ „
1915	(official)	12.75 „ „	13.4 „ „
„	(unofficial)	7.45 „ „	4.25 „ „
„	(total)	10.7 „ „	9.88 „ „

Tables II. and IV. and III. and V. show in greater detail the results obtained with the official and unofficial samples respectively.

**Table II.**

Summary of Annual Report, 1915. Two Hundred and forty-five official samples:—

Nature of Sample.	Examined.	Genuine.	Poor or Doubtful.	Coloured.	Containing Preservative.	Adult-rated	Percentage adulterated
Milk .. ..	72	52	15	53	1	5	6.94
Skim Milk .. ..	3	—	—	3	—	3	100.0
Separated Milk .. ..	5	1	3	4	—	1	20.0
Cream .. ..	8	4	—	—	4	4	50.0
Preserved Cream .. ..	4	4	—	—	4	—	0.0
Butter .. ..	10	8	—	—	5	2	20.0
Beer .. ..	4	4	—	—	—	—	0.0
Self-raising Flour .. ..	29	25	1	—	—	3	10.35
Sausages .. ..	12	11	1	—	8	—	0.0
German Sausages .. ..	2	1	—	—	2	1	50.0
	149	110	20	60	24	19	12.75

**Table III.**

Summary of Annual Report, 1915. Ninety-four unofficial samples:—

Nature of Sample.	Examined.	Genuine.	Poor or Doubtful.	Coloured.	Containing Preservative	Adult-rated	Percentage adulterated
Skim Milk .. ..	3	2	—	—	—	1	33.33
Cream .. ..	1	1	—	—	—	—	0.0
Butter .. ..	37	37	—	—	4	—	0.0
Margarine .. ..	5	3	—	—	4	2	40.0
Cheese .. ..	4	4	—	—	—	—	0.0
Lard .. ..	9	9	—	—	—	—	0.0
Coffee .. ..	2	2	—	—	—	—	0.0
Tea .. ..	2	2	—	—	—	—	0.0
Castor Sugar .. ..	2	2	—	—	—	—	0.0
Bread .. ..	1	1	—	—	—	—	0.0
Self-raising Flour .. ..	1	1	—	—	—	—	0.0
Baking Powder .. ..	1	1	—	—	—	—	0.0
Cream Powder .. ..	4	3	—	—	—	1	25.0
Sausages .. ..	2	2	—	—	1	—	0.0
Potted Meats .. ..	2	2	—	—	—	—	0.0
Mince Meat .. ..	3	3	—	—	—	—	0.0
Mixed Spice .. ..	3	2	1	—	—	—	0.0
Drugs and Prescriptions .. ..	10	4	3	—	—	3	30.0
Lime Juice Cordial .. ..	1	1	—	—	1	—	0.0
Lemon Squash .. ..	1	1	—	—	1	—	0.0
	94	83	4	—	11	7	7.4

**Table IV.**

Adulterated official samples:—

No.	Nature of Sample.	Nature of Adulteration.	Observations.
23	Milk .. ..	3 per cent. added water	Formal proceedings.
28	" .. ..	1½ per cent. added water	Letter of warning.
70	" .. ..	12 per cent. deficient in cream	Letter of warning.
72	" .. ..	3 per cent. deficient in cream	Letter of warning.
110	" .. ..	0·04 per cent. boric acid	Formal proceedings.
24	Skim Milk ..	11 per cent. added water	Formal proceedings.
35	" .. ..	5 per cent. added water	Formal proceedings.
36	" .. ..	25 per cent. added water	Formal proceedings.
150	Separated Milk ..	1¾ per cent. added water	Letter of warning.
95	Cream .. ..	0·31 per cent. boric acid	Formal proceedings.
100	" .. ..	0·19 per cent. boric acid	Formal proceedings.
101	" .. ..	0·22 per cent. boric acid	Formal proceedings.
103	" .. ..	0·20 per cent. boric acid	Letter of warning.
80	Butter .. ..	44 per cent. margarine	Formal proceedings.
81	" .. ..	47½ per cent. margarine	Formal proceedings.
49	Self-raising Flour	Phosphate used contained 42 per cent. sulphate calcium	Formal proceedings.
50	" .. ..	Phosphate used contained 29 per cent. sulphate calcium	Formal proceedings.
62	" .. ..	Phosphate used contained 11·4 per cent. sulphate calcium	Letter of warning.
115	German Sausages	Formaldehyde 1·1 per million	Letter of warning.

**Table V.**

Adulterated unofficial samples:—

Nature of Sample.	Nature of Adulteration.	Observations.
Skim Milk ..	21 per cent. added water	Followed up by formal samples and proceedings.
Margarine ..	6 per cent. excess of butter	Followed up by formal sample, no adulteration.
" .. ..	4 per cent. excess of butter	Followed up by formal sample, no adulteration.
Cream Powder ..	60 parts of lead per million	No further action taken.
Powdered Alum ..	69 parts lead and 100 parts arsenic per million	No further action taken.
Prescription ...	Aromatic sulphuric acid } nearly 50 per cent. deficient }	Vendor informed.
" .. ..	Ammonium acetate nearly 70 per cent. in excess	Vendor informed.

## MILK.

Excluding the five adulterated samples the average composition of the remaining 67 samples was:—Fat 3.67 per cent., non-fatty solids 8.83 per cent., these figures being a distinct improvement upon last year; this is probably due to the fact that no samples were submitted during the second quarter of the year when milk is commonly poorer than at other seasons.

The averages for the four quarters of the year have been:—

	Samples 1913.	Fat.	S.N.F.	Samples 1915.	Fat.	S.N.F.
1st quarter ...	11	3.44	8.94	15	3.77	8.88
2nd ,, ...	34	3.44	8.92	0	0	0
3rd ,, ...	55	3.57	8.90	26	3.50	8.79
4th ,, ...	11	3.65	8.92	26	3.77	8.85

The average for genuine milk is fat 3.75 per cent., S.N.F. 8.88 per cent.

In accordance with the Milk and Cream Regulations, 1912, all samples were examined for preservatives, but in only one instance could any be detected, the preservative used being Boric Acid in the proportion of 28 grains per gallon.

## BUTTER.

Forty-seven samples were examined of which two proved to be heavily adulterated with Margarine. The average amount of water was 14.18 per cent.

## CREAM AND PRESERVED CREAM.

Nine samples of Cream and 4 of Preserved Cream were submitted for analysis, and the average proportion of Milk fat found was 54.14 per cent., the lowest being 49.9 per cent.

Four samples of Cream contained Boron preservative contrary to the Regulations of 1912.

The following table indicates the results of the examination of samples of Cream, Preserved Cream and Milk under the Regulations:—

1. *Milk and Cream not sold as Preserved Cream.*

	Number of samples examined for preservative.	Number in which a preservative was reported to be present.	Number in which a thickening substance was found.
Milk... ..	72	1 (boric acid)	0
Skim Milk ...	6	0	0
Separated Milk	5	0	0
Cream ...	9	4 (boric acid)	0

2. *Cream sold as Preserved Cream.*

No. of samples examined.	Statement of amount of preservative found correct.	Samples containing above 35 per cent. milk fat.	Samples containing below 35 per cent. milk fat.	Samples containing thickening.
4	4	4	0	0

I am, Gentlemen,  
Your obedient Servant,  
R. A. CRIPPS.