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County Borough of Bournemouth.
1921.

ANNUAL REPORT

OF THE
MEDICAL OFFICER OF HEALTH,

with which are included
the REPORTS of the

BOROUGH BACTERIOLOGIST,
CHIEF SANITARY INSPECTOR

and

PUBLIC ANALYST

BOURNEMOUTH:

Printed by "Bournemouth Guardian." Ltd.

COUNTY BOROUGH OF BOURNEMOUTH.

HEALTH COMMITTEE.

The Mayor (Mr. Councillor Charles Henry Cartright, J.P.).	
Mr. Alderman J. E. Beale, J.P. (Chairman).	
Mr. Councillor J. J. Brazier (Vice-Chairman).	
Mr. Alderman H. Sparkes.	Mr. Councillor C. Long.
Mr. Councillor W. J. L. Beaton.	" " G. I. Luckham.
" " J. J. Empson.	" " F. S. Mate.
" " C. A. D. George, J.P.	" " F. B. Summerbee.
" " R. Neville Hart, M.D.	" " E. J. Stocker.
Late Mr. Councillor W. E. Odum.	Mrs. Councillor Laney.

GENERAL SUB-COMMITTEE FOR HOSPITAL AND GENERAL PURPOSES.

The Chairman.	Vice-Chairman.
Councillors Empson, Hart, Laney, Long, Mate, Odum 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.
Asst. Medical Officer of Health ..	.. { W. V. T. Styles, M.R.C.S. (Eng.), L.R.C.P.
" School Medical Officer ..	.. { (Lon.), L.D.S.
Clinical Tuberculosis Officer ..	.. { W. Bertram Lawrence, M.R.C.S. (Eng.),
Chief Sanitary Inspector ..	.. { L.R.C.P. (Lond.).
District Sanitary Inspectors ..	.. { W. G. Cooper, F.I.S.E., M.R.San.Inst.
	.. { Messrs. A. J. Phillips, W. J. S. Adams,
	.. { E. Smith, C. T. Newlyn, D. J. Mortimore
	.. { (all certified Royal Sanitary Institute).

Food Inspector and certified Meat Inspector	.. W. D. Carter
Shops Inspector	.. H. Goldsworthy.
Matron, Sanitary Hospital ..	.. Miss E. Wilcox.
Health Visitors	.. Miss C. Brock, Miss M. Law, Mrs. K. Blanshard, Miss D. Wood (all Cert. Mid. Board).
Clerks	.. A. W. Hurley, G. O. Willis, F. J. Hocking, P. E. Collier, O. A. Trendell.
Superintendent of Public Conveniences {	T. H. Bailey.
Mortuary and Water Meters .. {	
Disinfectors and Drain Testers ..	.. E. Benjafield, H. Chick, F. J. Smith, A. Lockyer, A. Grose.
Corporation Rat Catcher ..	.. F. J. Smith.

Public Analyst	.. R. A. Cripps, F.I.C.
Bacteriologist	.. F. J. Tanner.
Veterinary Surgeon	.. J. Steward Wood, M.R.C.V.S.
Meteorologist	.. C. Dales, F.R.Met.S.



COUNTY BOROUGH OF BOURNEMOUTH.

ANNUAL REPORT

OF THE

Medical Officer of Health

For the year 1921.

Health Department,

Town Hall,

Bournemouth.

May, 1922.

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

Gentlemen,

I beg to present the Annual Report on the health of the County Borough during 1921. The information required by the Ministry of Health has been specified by them, and where possible this has been summarised in tables.

No outbreak of serious disease has occurred in Bournemouth during the year, and the zymotic death rate continues to be one of the lowest in the country.

The Infantile Mortality for the year was 75.1 and although this is considerably above the remarkable infantile mortality of 45.3 for the preceding year, it is much below the average for the large towns of the country.

With regard to the Maternity and Child Welfare work, there has been again an increase in the number of attendances of mothers and children at the four Maternity and Infant Care Centres in Bournemouth. Nineteen thousand, one hundred and forty-nine attendances have been made in the year as against 16,151 in 1920, 10,391 in 1919, 8,679 in 1918 and 7,630 in 1917. It is becoming difficult to continue the full work of the Centres by reason of the large numbers attending, but approval was refused by the Ministry of Health to the proposals of the Council for the increased development of this work. Valuable assistance has been given in connection with these Centres and in other respects by members of the Bournemouth Infant Welfare Voluntary Association who have shown themselves to be keen and enthusiastic workers.

Municipal Maternity Beds are provided at the General Hospital for patients requiring special medical treatment or whose home conditions render treatment in an Institution advisable. The number of these patients admitted during the year was 17, and there were also 16 ailing infants admitted as municipal patients into the General Hospital.

Under the Tuberculosis Scheme the number of children suffering from delicate chests who have been given open-air Institution treatment was 28 as compared with 17 in the year 1920.

I wish to express my great regret at the retirement of Mr. F. J. Tanner, Borough Bacteriologist, the value of whose work to the Health Department and Medical Profession in Bournemouth has long been recognised.

I am,

Your obedient servant,

A. D. EDWARDS,

Medical Officer of Health.

SUMMARY OF STATISTICS

and general information relating to the County Borough of Bournemouth.

1. **Area of the County Borough.** 6643 acres.
2. **Geological Information.** Bagshot Sands Series.
Subsoil—Silicious Sand.
3. **Population.** Census of June, 1921 : 91,770.
Density of Population : No. of persons per acre, 13·81.
No. of persons per house, 5·2.
4. **Birth Rate.** 13·95 per 1,000 in 1921.
5. **Infantile Mortality.** 75·13 per 1,000 births.
6. **Death Rate.** 11·81 per 1,000.
7. **Phthisis Death Rate.** ·91 per 1,000.
8. **Influenza Death Rate.** ·25 per 1,000.
9. **Number of Cases of Infectious Diseases** per 1,000 of the Population. Scarlet Fever 1·14, Diphtheria ·66, Para-typhoid Fever ·15, Variola ·0, Erysipelas ·19.
10. **Number of Inhabited Houses.** (1911) 15,000, (1921) 17,540.
11. **Rateable Value.** (1921) £831,689.
12. **Rates.** Poor and General District Rates (1921) 10s. 10d. in the £.

The birth and death rates in this report are calculated on the Census population of June, 1921, this figure being 91,770. I have received information, however, that the Registrar General has decided not to accept the census population as a basis for statistics but intends to deduct 10,570 from the actual census figure.

I believe that the census figure of 91,770 is a fair representation of the population of Bournemouth.

VITAL STATISTICS.

Table I. (L.G.B.)

Vital Statistics of Whole District during 1921 and Previous Years.

Year	Popula- tion esti- mated to middle of each Year.	Births.			Total deaths registered in the District.		Transferable Deaths.		Nett deaths belonging to the District.			
		Uncorrected Number.	Nett.				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.	No.	Rate per 1000 Nett Births.	No.	Rate.
			3	4								
1	2	3	4	5	6	7	8	9	10	11	12	13
1912	82000	1175	1211	14.89	912	11.12	167	81	80	66.06	826	10.07
1913	83000	1257	1303	15.69	929	11.19	159	97	86	66.00	867	10.44
1914	85000	1115	1111	13.42	943	11.09	149	92	81	70.98	886	10.42
	*85000											
1915	†72197	1146	1190	*14.0	1167	†16.1	155	126	112	94.1	1138	15.74
	†76939											
1916	†70715	1194	1235	†16.05	1181	†16.70	189	109	86	69.63	1101	†15.56
	†78395											
1917	†70327	967	979	†12.49	1175	†16.70	251	132	82	83.72	1056	†15.01
	†83227											
1918	†74279	1093	1031	†12.38	1140	†15.34	219	144	59	57.2	1065	†14.33
	†86073											
1919	†82627	1040	1022	†11.87	1209	†14.63	207	127	89	87.08	1129	†13.66
1920	†86288	1449	1410	†16.34	1022	†11.89	177	109	64	45.39	954	†11.10
	†85919											
1921	91770	1280	1251	13.95	1133	12.34	179	130	94	75.13	1084	11.81

* Estimated on 1915 population figure.

† Estimated on new civil population figures supplied by Registrar-General.

MATERNITY AND CHILD WELFARE.

1. *Midwives Act. Inspection.* Twenty-two midwives notified their intention to practise in Bournemouth during 1921. Of these 22 midwives, 21 were trained and 1 was untrained.

One hundred and fifty-four records were received concerning the sending for medical assistance by midwives. In 25 of the cases for which medical assistance was obtained by the midwives, the doctors' fees were paid by the Health Authority, the whole of the fee being recovered in 4 cases and a part of the fee in 3 other cases.

There were 1,127 births notified. Five hundred and fifty of these were notified by doctors, 558 by midwives and 19 by other persons. In 25 per cent. of the cases where midwives were engaged without doctors medical aid was sent for.

2. The number of births referred to Bournemouth by the Registrar-General for the year was 1,251, being a *birth rate* of 13.95. The birth rates for previous years were:—

1911	1012	1913	1914	1915	1916	1917	1918	1919	1920
15.5	14.8	15.6	13.4	14.0	16.0	12.4	12.4	11.8	16.3

3. *Infantile Mortality.* The number of infant deaths that occurred in Bournemouth during 1921 was 92, of which 8 were transferred to other areas. Ten infant deaths were transferred to Bournemouth, making a total of 94 infant deaths referred by the Registrar-General to Bournemouth.

Of the 94 infant deaths, 33 were certified as due to premature birth, 9 to pneumonia and 8 to congenital malformations. No child under twelve months died from any notifiable infectious disease.

The infantile mortality for Bournemouth for the year 1921 was 75.13. Analysis of this figure

shows that during the four quarters of the year the rates were 62, 71, 72 and 77 respectively.

The following table gives the rates for the past ten years:—

1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
98.5	66.0	65.0	70.9	94.1	69.6	83.7	57.2	87.1	45.3

4. *Provision of Milk.* Under the Maternity and Child Welfare Act, 1918, milk was supplied free or below cost to 310 mothers and children during the year, the average number receiving milk in this way on any one day being 88. The expenditure during the year amounted to £590, as compared with £671 during 1920 and £291 during 1919. A Government grant of 50 per cent. is received in relief of this expenditure.

5. *Ophthalmia Neonatorum.* During the year 9 cases of this condition were notified. Of these 2 were admitted into the General Hospital and 1 into a Nursing Home. Every case was kept under observation and the fact verified that no infant suffered any permanent injury to the eyes as the result of this inflammation. The notifications to the Medical Officer of Health of Ophthalmia or threatened Ophthalmia have been made without delay, and prompt measures have been taken in each case.

Infant Care Table I.

Births (including 47 transferred to Bournemouth from other districts)	....	....	1251
Births notified (93.6 per cent. of births in Bournemouth)	....	....	1127

There were also notified 51 still-births of which 37 were notified by doctors, 13 by midwives and 1 by the father.

Infant Care Table 2.

Visits by the Council's Health Visitors.

Mothers and Infants—

First visits ...	1,114
Re-visits ...	3,885
Re-visits to children over 1 year of age ...	1,503
Expectant Mothers—	
First visits ...	231
Re-visits ...	313
Other visits ...	634
	7,680

Visits by Voluntary Workers.

Visits to children under 1 year ...	232
Visits to children over 1 year ...	377
Other visits ...	254
	863

Infant Care Table 3.

Concerning Infants Visited.

Number of breast-fed infants ...	818
Number of infants artificially fed ...	154
Number of infants partly artificially fed ...	77
Still-born or unable to take nourishment ...	65
	1,114

Infant Care Table 4.

Concerning the mode of feeding of 5,262 infants visited (first visits) during 1916, 1917, 1918, 1919, 1920 and 1921:—

Breast fed ...	4034
Artificially fed ...	842
Partly artificially fed ...	386

This shows that 76.66 per cent. of the children born in Bournemouth are breast fed.

Infant Care Table 5

Record of feeding of the 94 Babies who died in 1921 :—

Breast fed	...	...	...	23
Artificially fed	...	...	...	10
Partly artificially fed	...	...	...	9
Died within a few hours of birth, or born too weak to take nourishment				27
Cases not visited (transferred deaths, etc.)	...	...	...	25
				94

In view of the fact that some of the deaths were transferred from other districts, complete statistics are not obtainable on which to base a comparative death rate of breast fed and artificially fed children; but by estimating the number of breast fed children among the 1,251 births in 1921 on the basis of a percentage of 76.66, figures are obtained as follows:

Of 959 breast fed children 23 died, a percentage of 2.4.

Of 292 artificially or partly artificially fed children 19 died, a percentage of 6.5.

Natural feeding gives to the infant a far greater chance of life and health.

Infant Care Table 6.

Work of the Centres, Year 1921.

Number of Club Meet- ings held	Attendances.			Number of Health Talks Given.	Consulta- tions by Doctors.	Attendances at Consultations		
	Mothers.	Babies.	Other Children.			Mothers.	Babies.	Other Children.
203	9114	5607	4428	147	199	322	2741	1298

Infant Care Table 7.

Comparison of Total Attendances.

YEAR.	ATTENDANCES.			TOTAL.
	Mothers.	Babies.	Other Children.	
1917	8516	1757	2857	7630
1918	8942	1882	2855	8679
1919	4990	2352	3049	10391
1920	7680	4630	3841	16151
1921	9114	5607	4428	19149

Table No. 2.

CASES OF INFECTIOUS DISEASE WHICH OCCURRED DURING 1921.

NOTIFIABLE DISEASE.	NUMBER OF CASES NOTIFIED.								CASES REMOVED TO HOSPITAL.
	At all Ages.	At Ages—Years.							
		Under 1.	and under 5 years.	and under 15 years.	and under 25 years.	and under 45 years.	and under 65 years.	65 and upwards	
Diphtheria (including Membranous Croup)	61		2	39	8	11	1		57
Erysipelas ...	18	1		1	3	3	8	2	1
Scarlet Fever ...	105		11	72	12	9	1		85
Para-Typhoid ...	14			3	9		2		13
Puerperal Fever ...	2					2			
Poliomyelitis ...	1			1					
Ophthalmia Neona- torum ...	9	9							3
Pneumonia ...	12					1	6	5	
Malaria ...	1				1				
Encephalitis Lethar- gica ...	11		1			1	8	1	
Totals ...	234	10	14	116	33	27	26	8	159

BOURNEMOUTH DEATHS FROM NOTIFIABLE INFECTIOUS DISEASES.

Year.	Small Pox.	Diphtheria	Scarlet Fever.	Enteric Fever.	Puerperal Fever.	Erysipelas.	Total.	Deaths per 1,000 population.
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
1916	0	7	0	0	1	2	10	0.14
1917	0	7	0	1	2	1	11	0.15
1918	0	2	1	0	7	1	11	0.14
1919	0	1	0	0	1	2	4	0.04
1920	0	6	0	0	2	0	8	0.09
1921	0	1	1	1	4	0	6	0.06

TUBERCULOSIS.

The following is the information required by the Ministry of Health concerning the Tuberculosis work in Bournemouth.

Medical Staff. The administrative work and the domiciliary visits and control are carried out by the Medical Officer of Health. The medical attendance on patients at the Tuberculosis Dispensary is carried out by the Resident Medical Officer of the Royal National Sanatorium, Bournemouth, who acts as Clinical Tuberculosis Officer during three afternoons a week. The Tuberculosis Nurse attends the Dispensary and visits the patients in their homes.

Institution Treatment. The Local Authority have made arrangements for institution treatment as follows:—

- (1) Sixteen beds as required for early cases of Tuberculosis of the lungs in adult patients. Usually these patients are sent to the Royal National Sanatorium, Bournemouth, but occasionally patients are sent to the Royal National Hospital for Consumption and Diseases of the Chest, Ventnor, I. of W., the Mount Vernon Hospital for Consumption and Diseases of the Chest, Northwood, Middlesex, and the Royal Sea-bathing Hospital, Margate. Ex-Service men recommended for combined treatment and training are sent to the Preston Hall Colony, Aylesford, Kent.
- (2a) Ten beds as required for patients suffering from advanced Tuberculosis of the lungs in the Firs Home, Bournemouth.
- (2b) Six beds set apart for the same class of patient at the Borough Isolation Hospital.

- (3) Children suffering from suspected or incipient Phthisis, attend the Tuberculosis Dispensary on the children's afternoon. If found advisable these children are sent to the Sanatorium of the National Children's Home and Orphanage, Harpenden, Herts, and the S. Catherine's Home Sanatorium, Ventnor, I. of W.

Cases of surgical Tuberculosis are admitted into the Royal Victoria and West Hants Hospital, Bournemouth, but the provision for these cases is not made by the Local Health Authority.

With regard to the adequacy or otherwise of the provision made, it is most desirable that a larger number of the advanced cases of Tuberculosis of the lungs should enter an institution; but it is difficult to persuade these patients to avail themselves of the facilities provided.

The homes of patients attending the Dispensary are visited, and house-contacts are encouraged to attend the Dispensary if they are not in good health. Children attending the Elementary Schools who are house-contacts of tubercular patients are given special attention in the School Medical Service. The Tuberculosis Aid and After Care Committee, which was formed in 1917, is a Voluntary Association with representatives from the Health Authority, Insurance Committee, Board of Guardians, Medical Profession, Friendly Societies and other Councils. Although its efforts to obtain a Farm Colony for Bournemouth patients were not successful, the Association has been active in the after care of Tuberculosis patients by personal work among the patients relative to their occupation and mode of living and their welfare in general, and by obtaining the co-operation of employers of labour and other existing agencies. Home visiting is carried on by the Tuberculosis Nurse.

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.

Summary of Notifications during the period from the 2nd January, 1921, to the 31st December, 1921, in the County Borough of Bourne mouth.

Age Periods.	Number of notifications on Form A.													Number of notifications on Form B.			Number of notifications on Form C.			
	Primary notifications.													Total notifications on Form A.	Primary notifications.		Total notifications on Form B.	Poor Law Institutions.	Sanatoria.	
	Primary notifications.														Under 5	5 to 10				10 to 15
	0 to 1	1 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60								60 to 65	65 & upwards.	Total.
Pulmonary Males ..	—	—	1	4	2	14	31	22	9	5	1	—	—	—	—	—	—	1	42	
“ Females ..	—	—	1	1	2	13	25	17	7	2	1	—	—	—	—	—	—	1	35	
Non-Pulmonary Males	—	—	3	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
“ Females	—	—	2	1	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	

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	...	...	...	—	1	1
Disease of Larynx	...	...	...	—	—	—
Disease of Genito-Urinary System	...	...	...	—	—	—
Abdominal Disease	...	...	...	—	—	—
Diseases of Glands	...	...	...	2	3	5
Diseases of other parts	...	...	...	2	—	2
Totals	...	...	...	4	4	8

TUBERCULOSIS DISPENSARY.

During the year 1921 the Dispensary was open on 151 afternoons.

There were 388 patients under treatment, their attendances averaging 6.2 each.

The total number of attendances of patients was 2.397 as follows:—

Adults, male	...	...	1042
Adults, female	...	...	434
Children, male	...	...	494
Children, female	...	...	427
			2397

Average attendance per session, 15.87 patients.

SANATORIA.

Early Cases:

Adult Bournemouth cases who received treatment in Sanatoria during 1921	...	...	...	65
Children sent to Open-Air Institutions	...	...	...	28

Advanced Cases:

Bournemouth patients who received treatment in the Firs Home ...	23
Bournemouth patients who received treatment in the Borough Isolation Hospital	8
Bournemouth patients who received treatment at Preston Hall, Kent	1
	125

Of the 65 " Early " cases treated in Sanatoria during 1921, 22 were ex-Service men whose disease was due to service.

Of the 32 " Advanced " cases treated, 9 were ex-Service men whose disease was due to service.

BOURNEMOUTH SANITARY HOSPITAL.

During the year 182 cases were admitted into the the Hospital. Of these, 175 were Bournemouth patients, and 7 were admitted from outside the County Borough. The following table refers to Bournemouth patients:—

Hospital Table No. 1.

Diphtheria	57
Scarlet Fever	85
Erysipelas	1
Tuberculosis	5
Measles	2
Paratyphoid	13
Observation cases and carriers	10
Other conditions	2
Total	175

The 7 cases admitted from outside the County Borough were as follows:—

Scarlet Fever	...	...	5
Diphtheria	...	...	1
Cerebro-spinal Fever	...	...	1

During the year 7 deaths occurred in the Hospital from the following diseases:—

Scarlet Fever	...	...	2
Diphtheria	...	...	1
Cerebro-spinal Fever	...	...	1
Tuberculosis	...	...	2

The average number of patients in the Hospital per day was 26.85.

Hospital Table No. 2.
Comparative Statement for Ten 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 for provisions alone, including stimulants.	Maintenance charges. Income for the year.	Total Expenditure for the year, after deducting receipts from patients.	Total of all cases received into Hospital.
1912	63.52	£ s. d. 0 3 5	£ s. d. 0 0 9½	£ s. d. 401 3 2	£ s. d. 3504 11 1	292
1913	63.13	0 3 8½	0 0 10	522 10 10	3637 7 1	306
1914	67.99	0 4 3½	0 1 0½	526 0 11	3895 15 5	328
1915	59.95	0 4 6½	0 1 1½	743 8 11	4211 12 2	328
1916	52.02	0 4 10½	0 1 3½	925 8 10	3677 15 6	368
1917	43.73	0 6 2½	0 1 6	800 15 5	4223 1 4	285
1918	36.23	0 6 1½	0 1 6½	437 14 11	3602 8 9	202
1919	40.9	0 9 3½	0 2 0½	591 18 8	6915 0 10	*220
1920	46.43	0 11 2½	0 3 6½	1277 1 8	8278 12 10	*218
1921	49.82	0 9 8½	0 1 8½	1130 0 11	7679 10 9	182

* Includes mothers who went into Hospital to nurse children with Ophthalmia Neonatorum.

Hospital Table No. 3.
Statement of Stock and Loans relating to Land and Buildings in connection with
the Sanitary Hospital, 31st March, 1921.

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.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	Stockholders
1400 0 0	1395 6 8		521 13 2		521 13 2	444 16 0	76 17 2				"
2717 8 0	2708 12 7		494 4 1		494 4 1	488 1 4	6 2 9				"
610 13 8	608 9 0		190 4 2		190 4 2	190 4 2	—				"
1100 11 0	1097 0 1		443 9 0		443 9 0	349 10 5	93 18 7				"
4116 0 0	4004 9 9		1217 2 0		1217 2 0	1042 10 5	174 11 7				"
624 0 0	607 2 7		279 5 5		279 5 5	225 19 11	53 5 6				"
160 0 0	160 0 0						—				"
375 0 0	261 15 7		257 16 3	7 16 3	261 15 7	12 9 8	249 5 11				"
155 0 0	126 14 0		124 0 0	3 0 0	126 14 0	3 9 1	123 4 11				"
3800 0 0	3800 0 0		2450 0 0		2450 0 0	595 12 3	1854 7 9				Short Term Lenders.
475 0 0	475 0 0		344 0 0		344 0 0	103 8 1	240 11 11				"
7000 0 0	7000 0 0		5660 0 0		5660 0 0	490 0 5	5169 19 7				"
444 0 0	416 18 0		150 10 0	44 8 0	106 2 0		106 2 0				National Provincial Bank of England.
22977 12 8	10809 10 3	12010 18 0	12132 4 1	55 4 3	12094 9 5	3946 1 9	8148 7 8				
	22820 8 3										

Table 3. (L.G.B.)
Causes of and Ages at Death during the Year 1921.

Causes of Death.		Nett Deaths at the subjoined ages of "Residents" whether occurring within or without 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 up-ward
All Causes	{ Certified ...	1084	94	14	3	19	36	95	256	567
	{ Uncertified ...	...	...	...	...	...	...	...	...	...
Enteric Fever	...	1	...	...	...	...	...	1	...	...
Small Pox	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	1	...	...	...	...	...	1	...	...
Whooping Cough	...	5	3	2	...	...	...	...	...	...
Diphtheria	...	1	...	...	...	1	...	...	...	...
Influenza	...	23	1	...	...	...	2	...	7	13
Encephalitis lethargica...	...	8	...	1	...	...	...	1	5	1
Meningococcal meningitis	...	...	...	...	...	...	...	...	...	...
Tuberculosis of respiratory system	...	84	...	1	...	...	14	37	25	7
Other tuberculous diseases	...	13	2	...	1	6	1	2	1	...
Cancer, malignant disease	...	113	...	...	...	...	...	6	44	63
Rheumatic Fever	...	1	...	...	...	...	...	...	...	1
Diabetes	...	17	...	...	...	...	...	...	4	13
Cerebral hæmorrhage, &c.	...	109	...	...	...	...	...	2	15	92
Heart disease...	...	159	...	...	...	4	1	5	42	107
Arterio-sclerosis	...	49	...	...	...	...	...	1	7	41
Bronchitis	...	53	1	1	...	...	...	1	7	43
Pneumonia (all forms)...	...	46	9	3	...	...	1	3	12	18
Other respiratory diseases	...	19	...	1	...	...	1	2	9	6
Ulcer of stomach or duodenum	...	8	...	...	...	...	1	1	1	5
Diarrhœa, &c. (under 2 yrs)	...	13	6	1	1	...	...	...	2	3
Appendicitis and typhlitis	...	5	...	...	...	2	...	1	1	1
Cirrhosis of liver	...	7	...	...	...	...	...	1	6	...
Acute and chronic nephritis	...	29	...	...	...	1	1	4	6	17
Puerperal sepsis	...	4	...	...	...	...	1	3	...	...
Other accidents & diseases of pregnancy and parturition	...	3	...	...	...	...	1	2	...	...
Congenital debility and malformation, premature birth	...	61	59	...	...	1	...	...	1	...
Suicide	...	9	...	...	...	...	...	2	4	3
Other deaths from violence	...	32	3	1	1	...	6	3	8	10
Other defined diseases	...	208	8	3	...	4	6	15	49	123
Causes ill-defined or unknown	...	3	2	...	...	...	...	1	...	...
		1084	94	14	3	19	36	95	256	567

TREATMENT AND PREVENTION OF VENEREAL DISEASES.

The following tables give statistics concerning the Municipal Clinic and the provision of bacteriological facilities for the diagnosis of Venereal Diseases.

Statistics concerning patients from the County Borough of Bournemouth for the year ended 31st December, 1921.

Number of persons dealt with at or in connection with the Out-patient Clinic for the first time and found to be:—

	Males.	Females.	Total.
Suffering from Syphilis ...	24	17	41
Suffering from Gonorrhœa	48	8	56
Not suffering from Venereal Disease ...	50	23	73
			170

Number of patients discharged from the Out-patient Clinic after completion of:—

Treatment for Syphilis ...	6	4	10
Treatment for Gonorrhœa	21	7	28
			38

Number of patients who ceased to attend the Out-patient Clinic without completing treatment and who were suffering from:—

Syphilis ...	12	10	22
Gonorrhœa ...	9	3	12
			34

Total attendances at the Out-patient Clinic of all persons who were:—

	Males.	Females.	Total.
Suffering from Syphilis ...	505	473	978
Suffering from Gonorrhœa	605	89	694
Not found to be suffering from Venereal Disease	168	67	235
			1907

Aggregate number of "In-patient days" of treatment given to persons:—

Suffering from Syphilis ...	41	82	123
Suffering from Gonorrhœa	45	72	117
Not found to be suffering from Venereal Disease • -	-	8	8
			248

Number of persons treated with Salvarsan substitute ...	...	70
Number of doses of Salvarsan substitute used in Treatment Centre ...		394

EXAMINATION OF PATHOLOGICAL MATERIAL.

Number of specimens from persons attending at the Treatment Centre which were sent for examination to an independent laboratory for Wassermann Reaction ... 378

Specimens from patients of private medical practitioners which were sent for examination:—

For detection of Spirochetes ...	0
For detection of Gonococci ...	61

Salvarsan approved substitutes supplied to
medical practitioners:—

Doses 61

Pathological Outfits supplied to medical practi-
tioners:—

(a) For Wassermann Test	... ...	22
(b) For detection of <i>Spirochaeta pallida</i>		-
(c) For detection of Gonococci	...	7
		—
		29
		—

to the
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... ..

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COUNTY BOROUGH OF BOURNEMOUTH.

ANNUAL REPORT

OF THE

Borough Bacteriologist

For the Year ended 31st December, 1921.

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 your Borough Bacteriologist.

During the past twelve months I have made 1,511 bacteriological and other investigations.

The examinations in question consisted of:—

SANITARY HOSPITAL.

Swabs re Diphtheria, etc.	...	...	...	665
Sundries	...	...	...	2

HEALTH DEPARTMENT.

Swabs re Diphtheria, etc.				
per M.O.H.	...	...	...	212
per Private Practitioners	...	...	...	95
Sputum Specimens re Tuberculosis—				
per Municipal Dispensary	...	...	...	189
per Private Practitioners	...	...	...	67
Hair Specimens re Ringworm—				
per Infant Care Administration	...	...	...	3
Milk Samples re Tuberculosis	...	...	...	52
do. General Examination	...	...	...	52
Ice Cream Samples re Sundry Contaminations	...	...	...	8
Sundries per M.O.H.	...	...	...	2

EDUCATION DEPARTMENT.

Specimens re Hair and Skin Diseases	...	...	...	162
Sundries per S.M.O.	...	...	...	2

1511

The bacteriological requirements of the Borough showed marked monthly fluctuations, the highest being 199 for January, and the lowest 38 for August.

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

In January	...	199 examinations were made.
February	...	170 „
March	...	113 „
April	...	139 „
May	...	75 „
June	...	110 „
July	...	129 „
August	...	38 „
September	...	140 „
October	...	176 „
November	...	138 „
December	...	84 „

		1511

I remain, Gentlemen,

Your obedient Servant,

F. J. TANNER,

Borough Bacteriologist.

COUNTY BOROUGH OF BOURNEMOUTH.

SANITARY INSPECTOR'S DEPARTMENT.

May, 1922.

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

Mr. Mayor and Gentlemen,

I have the honour to submit for your perusal and consideration the Annual Report upon the work carried out by this Department for the year ended 31st December, 1921.

The statistics given afford some indication of the increased and varied duties of the Department.

Reports on the following subjects have been presented to and considered by your Health Committee, and reported to the Council during the period under review:—

- (1) Certificates of Local Authority relating to Theatres and Picture Palaces.
- (2) Conference of Sanitary Inspectors' Association at Bath, 29th August to 3rd September, 1921.
- (3) Dairies and Milkshops Regulations.
- (4) Factory and Workshops Act:
 - (a) Notices of Occupation.
 - (b) Lavatory accommodation.
 - (c) Action under Sect. 5.
- (5) Flooding of certain premises.
- (6) Gifts of clothing, etc., to Hospital.
- (7) Increase of Rent and Mortgage Interest (Restriction) Act, 1920. Department's action.
- (8) Milk Order No. 67072.

- (9) Public Conveniences:
 - (a) Theft.
 - (b) Ladies.'
 - (c) Amended Scale of Charges at Lansdowne.
 - (d) Re-organisation of Staff.
 - (e) General.
- (10) Public Health (Milk and Cream) Regulations, 1912.
- (11) Piggeries.
- (12) Rat Campaigns, Nos. 5 and 6.
- (13) Report of National Conference on Canadian Stock Cattle, Guildhall, 9th March, 1921.
- (14) Royal Sanitary Institute Congress, Folkestone, 20th-27th June.
- (15) Street Trading.
- (16) St. Michael's Mission Hall.
- (17) No. 9, St. Michael's Cottages — Closing Order.
- (18) Sale of Food and Drugs Acts, 1875-1907.
- (19) Shops Act:
 - (a) Contraventions under General Early Closing Order, 10b.
 - (b) Sale of Celluloid Articles.
 - (c) Sunday Trading.

RE CINEMAS AND PICTURE PALACES.

The special arrangements made under your Authority for the regular disinfecting of these premises by the Public Disinfectors once a fortnight has been continued throughout 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.

SMOKE NUISANCE.

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

THE FACTORY AND WORKSHOPS ACT,
1901-1907.

The total number of workshops and work-places now registered in the Borough is 792, a decrease of 3 on last year's total.

During the year, 79 new workshops have been registered, 92 workrooms have been measured, and 117 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 instance the nuisance has been abated without resort to legal action.

During the year 1,263 inspections, including Bakehouses and Restaurants, have been made, and Notices have been served.

The Occupation Cards have been revised, and are 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	73	81
Kitchens of Restaurants, &c. ...	42	42
Dressmakers and Milliners ...	156	213
Tailors	93	114
Bootmakers and Saddlers... ..	98	108
Laundries	47	98
Carpenters and Builders	62	69
Cabinetmakers and Upholsterers ...	39	63
Coachbuilders	21	39
Watchmakers, &c.	14	17
Metal Workers, &c.	34	48
Cycle Builders and Motor Works ...	43	56
Miscellaneous	70	117
	792	1065

BAKEHOUSES.

Of the 73 bakehouses occupied in the Borough, two are occupied as underground bakehouses, and the remainder are on, or above, the ground level.

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 two additional bakehouses have been entered on the Register and three taken off.

The whole of the Bakehouses in the Borough have been cleaned or limewashed twice during the year, in accordance with the requirements of the Act. Two hundred and nineteen visits have been made to these premises during the year.

KITCHENS OF RESTAURANTS, ETC.

These premises, 42 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 66 lists containing the addresses of 182 "Outworkers" have been received.

Twenty-three of these were residing outside the Borough, and the usual particulars were sent to the Authorities of the Districts in which the work was done.

Nine addresses were received from outside Authorities.

One hundred and fifty-nine visits were made to Outworkers' premises, and in no instance was it found necessary to serve a notice for the abatement of nuisance.

One employer of Outworkers failed to send in his list of Outworkers at the specified time. A letter of warning was sent, and the requirement was subsequently complied with.

REGISTRIES FOR FEMALE AND
DOMESTIC SERVANTS.

The number of premises on the Register at the end of the year was 20.

Surprise visits have been made from time to time to the premises for the purpose of enforcing the provisions of the By-Laws relating thereto.

SHOPS ACT, 1912

During the year, 2,809 visits have been made to shops in the Borough under the Act.

In 46 cases the Exemption Trade Notice under the second Schedule, in 68 cases the Assistants' Weekly Half-Holiday Notice under Sect. I, and in 54 cases the Young Persons Notice under Sect. II. were not found to be affixed as required by the Act.

In every case a warning was sufficient, the requirements being subsequently dealt with.

Fifty-four Warning Notices re Sale of Celluloid Articles were delivered.

Forty-three special inspections with regard to the sale of non-exempted goods on the half-day of closing have been made.

Seventy-nine special inspections with regard to the new order of the Shops (Early Closing) Act, 1920, have been made.

Every shop in the Borough has been given a copy of the Extracts of the Shops Act.

Ninety-three shops have been visited with regard to the employment of young persons, and in no case was a young person found working beyond the prescribed hours.

SUMMARY OF SHOPS ON REGISTER.

31st December, 1921.

BUSINESS.	No. in Borough.	EARLY CLOSING DAY.						No. which do not close.
		Mon.	Tues.	Wed.	Thur.	Fri.	Sat.	
Grocery & Provision Dealers	239	6	5	214	11	—	3	—
Greengrocers, Fruiterers and Florists	117	4	—	103	5	—	2	3
Bootsellers and Repairers ...	131	—	1	112	2	—	16	—
Tailors and Outfitters ...	92	—	—	70	—	—	22	—
Butchers	96	4	—	87	—	—	5	—
Drapers, Milliners and Dress-makers	137	—	1	99	2	—	35	—
Furniture Dealers	98	—	2	66	—	—	30	—
Toys, Newspapers, Tobacco and Sweet Dealers ...	96	2	8	60	2	—	—	24
Bakers	63	2	—	55	—	—	—	6
Dairies	36	—	—	34	—	—	—	2
Motor and Cycle Dealers ...	84	—	—	57	—	—	12	15
Fish and Poultry Dealers ...	46	1	—	33	—	—	—	12
Jewellers and Watchmakers	51	—	—	38	—	—	13	—
Refreshment Dealers ...	35	1	—	10	2	—	—	22
Sweets and Confectionery ...	76	3	6	39	1	—	—	27
Photographers	25	1	—	14	—	—	10	—
Chemists	51	—	—	50	—	—	1	—
Hairdressers	64	—	—	59	—	—	5	—
Fancy Dealers	48	—	—	36	—	—	12	—
Saddlers and Trunkmakers...	19	—	—	15	—	—	4	—
Booksellers and Stationers ...	58	—	1	47	—	—	10	—
Ironmongers	47	—	—	35	—	—	12	—
Coal and Corn Dealers ...	31	—	—	20	—	—	11	—
Wardrobe Dealers	21	—	1	20	—	—	—	—
Glass and China Dealers ...	17	—	—	14	—	—	3	—
Off License Houses	42	3	1	24	—	—	5	9
Miscellaneous	112	—	—	51	—	—	61	—
	1932	27	26	1462	25	—	272	120
Empty Shops in Borough ...	35							
	1967							

DAIRIES, COWSHEDS AND MILKSHOPS ORDERS.

Four hundred and forty-four inspections have been made of cowsheds, dairies and milk purveyors' premises in the Borough, and the regulations relating to cleanliness, limewashing and general sanitation have been enforced.

Fourteen 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 now only four cowsheds in the Borough.

GENERAL INSPECTION OF FOOD SUPPLIES.

During the year, 5,132 visits have been made to shops in the Borough for the inspection of Meat and Food Supplies, and in respect to the cleanliness of the 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 arrangement with the retail traders, early morning inspections of meat are made before the meat is "weighed in" by the butchers, 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:—

Butchers' Meat (diseased)	...	...	1,755½ lbs.
Butchers' Meat (unsound)	...	...	13,048½ „
Fish	...	...	4,748 „
Fruit	...	...	2,233 „
Vegetables	...	...	22,764 „
Eggs	...	...	432
Eggs (liquid)	...	...	96 lbs.
Tinned Goods	...	...	367

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

Butchers' Premises	...	...	3,334 visits
Fishmongers and Poulterers	...	...	833 „
Greengrocers	...	...	342 „
Grocers	...	...	251 „
Ice Cream Vendors' Premises	...	...	54 „
Hawkers' Carts	...	...	306 „
Bakers	...	...	12 „
			5,132 „

SLAUGHTERHOUSES.

There are six slaughterhouses in the Borough. During the year 552 inspections have been made, and the Regulations as to periodical limewashing, 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. The number of animals slaughtered during the year is 8,199.

Special attention has been given to the inspection of the slaughtering of pigs.

Strict inspections clearly prove 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.

INSPECTION OF SCHOOLS.

The total number of Private Schools in the Borough is 62, comprising 264 classrooms. The number of scholars in attendance averages 2,300.

The sanitary arrangements of the larger private Schools have been examined, and the drainage tested at the end of each term, and reports as to repairs, cleansing, etc., made to the Principals.

This periodical examination has proved to be a precautionary measure where the number of boarders necessitates large households being maintained.

The sanitary conveniences of the public Elementary Schools have also been systematically attended to by the Drain-Testers who are responsible for the daily cleansing and disinfection of all the fittings, etc. The conveniences are thus maintained scrupulously clean, and the scholars are induced to make proper use of them.

VARIOUS ORDERS OF THE BOARD OF AGRICULTURE AND FISHERIES.

The Wart Disease in Potatoes Order, the American Gooseberry Mildew (Fruit) Order, and Silver Leaf Order 1919 have been enforced as required, and the literature supplied by the Ministry has been freely circulated among the growers and traders in the Borough.

Posters relating to the first Order were posted up on all the principal allotments and the growers are now cognisant of the signs and nature of the disease.

THE FERTILISERS AND FEEDING STUFFS ACT.

It has not been found necessary to take any action under this Act during the year, and no applications or complaints have been received.

RAG AND FLOCK ACT REGULATIONS.

Inspections have been made of the premises where flock is used for manufacture of bedding, upholstering, etc.

HOUSING CONDITIONS.

Statistics.

Year ended 31st December, 1921.

I.—GENERAL.

(1) Census population	...	...	...	...	91,770
(2) General death-rate	...	...	...	...	11.81
(3) Death-rate from tuberculosis	...	...	...	...	1.05
(4) Infantile mortality	...	...	...	...	75.13
(5) No. of dwelling-houses of all classes (1920—17,500)	...	...	...	...	17,540
(6) No. of working-class dwelling-houses	...	approx.	...	...	8,000
(7) No. of new working-class houses erected	...	...	...	...	211

II.—UNFIT DWELLING-HOUSES.

I.—Inspection.

(1) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	...	1,625
(2) No. of dwelling-houses which were inspected and recorded under the Housing (Inspection of District) Regulations, 1910	...	1,625
(3) No. of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	...	Nil
(4) No. of dwelling-houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation...	...	Nil

II.—Remedy of Defects without service of Formal Notices.

No. of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	...	...	...	...	114
--	-----	-----	-----	-----	-----

III.—Action under Statutory Powers.

(A) Proceedings under Section 28 of the Housing, Town Planning etc., Act, 1919.

(1) No. of dwelling-houses in respect of which notices were served requiring repairs	...	...	...	5
--	-----	-----	-----	---

(2) No. of dwelling-houses which were rendered fit	
(a) by owners	5
(b) by Local Authority in default of owners ...	
(3) No. of dwelling-houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close	Nil
(B) Proceedings under Public Health Acts.	
(1) No. of dwelling-houses in respect of which notices were served requiring defects to be remedied	94
(2) No. of dwelling-houses in which defects were remedied	
(a) by owners	94
(b) by Local Authority in default of owners ...	Nil
(C) Proceedings under Section 17 and 18 of the Housing, Town Planning, etc., Act, 1909.	
(1) No. of representations made with a view to the making of Closing Orders	1
(2) No. of dwelling-houses in respect of which Closing Orders were made	1
(3) No. of dwelling-houses in respect of which Closing Orders were determined, the dwelling-houses having been rendered fit	—
(4) No. of dwelling-houses in respect of which Demolition Orders were made	—
(5) No. of dwelling-houses demolished in pursuance of Demolition Orders	—

III. UNHEALTHY AREAS.

Areas represented to the Local Authority with a view to Improvement Schemes under (a) Part I, or (b) Part II. of the Act of 1890.

(1) Name of area	Nil
(2) Acreage	Nil
(3) No. of working-class houses in area	Nil
(4) No. of working-class persons to be displaced ...	Nil

4.—No. of houses not complying with the building bye-laws erected with consent of Local Authority under Section 25 of the Housing, Town Planning, &c., Act, 1919 2

5.—Staff engaged on housing work with, briefly, the duties of each officer :

General supervision of Buildings, Contracts, etc.	Borough Engineer & Architect
Plans and designs	Deputy Borough Architect
Selection and supervision of tenants... ..	Chief Sanitary Inspector
Supervision of construction (acting under Borough Engineer)	Clerk of Works

DISTRICT SANITARY INSPECTORS' SUMMARY OF WORKS.

1.—NUISANCES.

	District No. 1.	District No. 2.	District No. 3.	District No. 4.	Total.
Complaints received and attended to	165	184	147	205	651
Number of Tests made for detection of nuisances	8	13	13	—	34
Visits <i>re</i> abatement of nuisances ...	473	218	601	523	1815
General Inspections of Districts ...	28	31	52	25	136
Premises inspected	264	166	212	250	892
Number of Nuisances detected ...	101	89	130	139	459
Number of Nuisances abated ...	100	85	121	98	404
Nuisances outstanding Dec. 31, 1920	3	4	7	5	19
Ditto 1921	2	3	9	13	27
Complaints <i>re</i> Cesspools... ..	—	162	—	—	162
Piggeries Visited	133	70	—	70	278

2.—INFECTIOUS DISEASE.

Enquiries for Reports to M.O.H. ...	58	48	50	51	207
Premises tested	1	1	—	—	2
„ not tested	1	—	9	—	10
„ with defects ascertained ...	5	1	2	—	8
Nuisances detected	6	8	4	2	20
„ abated	6	2	4	3	15
Nuisances outstanding	—	—	5	—	5
Total No. of Visits	84	73	53	58	268
Total number rooms disinfected ...	64	33	103	54	254
Total number books disinfected ...	18	—	12	11	41
Rooms disinfected after Phthisis ...	46	35	31	57	169
Rooms disinfected after non-notifi- able disease	57	12	56	64	189
Number of school notices sent out...	46	54	17	36	153
Places of Entertainment disinfected	68	21	9	14	112

3.—NEW BUILDINGS.

Water tests	175	167	42	52	436
Number of re-tests	31	12	7	3	53
Smoke tests	145	121	22	26	314
Number of re-tests	10	2	5	4	21
Total visits	387	388	89	85	949
Number of reports made to B. I. <i>re</i> details of defects ascertained ...	43	33	7	9	92

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 the premises, soundness of fish supplies, and ingredients used in the trade.

BATHING STATION.

There has been a gradual decrease in the number of cases of Scabies.

The method adopted—disinfecting the patients' clothing and insisting on the bedclothes being disinfected at each bath—has proved most effectual, even in the neglected and long-standing cases.

Verminous cases requiring baths have also decreased during the past year.

The total number of baths for the year 1921 was 72.

REPORTS ON INFECTIOUS CASES.

(Include Observation Cases.)

		DISTRICT ·				Total.
		No. 1.	No. 2.	No. 3.	No. 4.	
Scarlet Fever	...	32	21	15	41	109
Diphtheria	...	18	18	21	8	65
Encephalitis Lethargica	...	—	1	—	—	1
Cerebro-Spinal Meningitis	...	2	—	—	—	2
Erysipelas	...	4	5	7	3	19
Typhoid	...	4	—	3	—	7
		60	45	46	52	203
Houses with defects ascertained	...	5	1	2	—	8

CESSPOOL DRAINAGE.

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:—

No. of Cesspools emptied (including cesspools at Undercliff Drive Conveniences and Boscombe Cliff Gardens)	198
No. of loads of sewage removed ...	512
No. of cesspools condemned and filled in	2

There are now only 41 houses with cesspool drainage and 40 with the pail-closet system, and these are situated principally in the lower parts of Moordown and in roads that cannot at present be sewered, owing to the existing level of sewers.

The cesspool cart (Merryweather's Patent Vacuum Cart) was at work 120 days during the year.

POKESDOWN DISTRICT.

There are now 18 cesspools in the district of Tuckton and Wick which require periodical attention:—

No. of cesspools emptied	28
No. of loads of sewage removed ...	92
No. of cesspools filled in	0

PIGGERIES.

WINTON AND MOORDOWN DISTRICT.

Periodical inspections have been made of the piggeries in the district, most of which are situated

in Moordown and Charminster, and are kept in conformity with the By-Laws and the Regulations.

No. of Piggeries	...	...	...	134
No. of pigs kept at last inspection (approx.)	...	...	...	700

Six complaints have been received and nuisances abated.

Of the 134 piggeries in this district, 29 are kept in accordance with the By-Laws, and 106 under the temporary Regulation of 1917 (see note below).

POKESDOWN DISTRICT.

No. of Piggeries	...	...	...	35
No. of pigs at last inspection	...	...	...	277

One complaint was received and one nuisance abated.

Of the 35 piggeries in this district, 19 are kept in accordance with the By-Laws of the Borough, and the other 16 are constructed under the temporary Regulations of 1917.

Note.—In accordance with the decision of the Health Committee, no further licences have been issued under the temporary Regulations 1917, and those already in existence will finally terminate on the 31st March, 1923.

PUBLIC MORTUARY.

From 1st January to the 31st December, 1921, the total number of Inquests held was 92, and that of Post Mortems was 62.

The cost of working expenses, so far as this Department is concerned, for the year is as follows:

	£	s.	d.
1. Proportion of Attendants' wages for cleansing	45	16	0
2. Attendance at Inquests and Post Mortems	13	12	2
3. Gas from December, 1920, to December, 1921, including upkeep of burners	1	11	9
4. Disinfectants, Soap, Laundry, Gloves. Provision of new Geyser	26	2	7
	£87 2 6		

Note.—Item 2 does not include proportion of Superintendent's salary, and No. 4 does not allow for painter's wages in renovating the Mortuary.

CERTIFIED CAUSES OF DEATH.

Abdominal injuries	1
Asphyxia (drowning)	12
Cut-throat (self-inflicted)	3
Cardiac failure	1
Coal-gas poisoning	9
Congestion of Lungs	1
Convulsions	2
Diarrhoea	1
Fractured skull	5
Heart disease	23
Heart failure	7
Hemorrhage (internal)	3
Hemorrhage (cerebral)	3
In-attention at Birth	1
Malnutrition	1
Meningitis cerebro	1
Other defined diseases	5
Premature Birth	1

Pneumonia	...	...	...	...	1
Shock	...	...	...	...	5
Syncope	...	...	...	...	2
Suffocation	...	...	...	...	2
Tuberculosis	...	...	...	...	1
Under operation	...	...	...	...	1
Unknown	...	...	...	...	1
Total					93

HOTEL SANITARY CONVENIENCES.

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

CORPORATION PUBLIC CONVENIENCES.

Expenses in connection with the Public Conveniences from December, 1920, to December, 1921:

	£	s.	d.
Repairs to Conveniences	222	4	5
Wages paid to attendants, etc.	2532	12	0
Gas and Water, and Hire of Meters and Automatic Controllers	360	16	1
Materials (disinfectants, soap, brushes, laundry, works, etc.)	123	9	1
Total Expenditure	3239	1	7
By Total Receipts	3353	16	4
To Total Expenditure	3229	1	7
Balance, being excess of Receipts over Expenditure	114	14	9

Note.—The above expenses are only the charges against Revenue, and do not therefore include Capital Expenditure (Int. on Loans, etc.).

Statement of Receipts from Public Conveniences from December, 1920, to December, 1921.

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 0 3	0 0 10	0 1 0	0 1 8	—	0 10 8	0 3 9	0 14 6	0 7 10	1 6 3	—	0 1 5	3 8 2
Knyveton Gardens, Lawn Tennis	0 1 3	0 1 10	0 2 10	0 3 3	—	0 15 11	0 9 5	0 9 1	0 12 6	0 9 1	0 3 7	—	3 8 9
Westbourne ..	2 12 8	1 18 9	2 7 11	3 0 5	3 5	0 2 10 8	2 2 0	4 7 9	4 11 8	3 11 10	3 0 5	2 17 1	36 6 2
Poole Hill ..	2 4 9	2 4 6	1 16 8	2 11 4	2 16 6	3 3 11	3 10 0	5 11 11	5 7 6	3 14 11	2 3 6	1 18 10	37 4 +
The Triangle ..	1 18 7	1 19 10	2 2 1	2 6 0	2 8 4	3 6 2	3 3 10	3 2 6	3 19 11	2 12 9	1 15 6	1 14 3	30 9 9
Bourne Avenue..	2 14 8	2 9 0	2 2 0	—	—	7 8 13	5 10 0	19 17 6	17 8	8 8	0 5 6	5 4	10 106 9 7
Westover Road, Gents' ..	4 6 2	5 7 0	4 11 10	8 11	7 8 13	5 10 0	4 49 14	82 10 9	71 8	1 43 2	0 23 0	8 25 12	11 469 2 7
Ladies' ...	20 15 3	20 7 10	21 10 7	37 4	33 4 18	6 38 17	5 2 13 4	3 18 0	3 5 0	1 10 1	0 11 9	0 10 10	18 18 8
Engine House ..	0 8 9	0 9 6	0 11 7	1 11 8	1 9 2	1 19 10	2 13 4	3 18 0	3 5 0	1 10 1	0 11 9	0 10 10	18 18 8
Pier Approach ..	2 15 6	2 15 2	2 11 5	7 0 9	12 10 5	32 13 3	52 6 10	72 3 11	53 19 10	22 2 2	4 8 0	2 18 0	268 5 3
East Cliff, Ladies' ..	0 17 6	0 19 10	1 11 1	1 3 6	1 3 15	2 6 3 9	8 11 4	15 11 6	13 6 5	4 16 1	1 8 7	0 17 5	61 4 9
" Gents' ..	0 10 10	0 16 5	0 14 1	1 5 8	1 10 4	2 7 8	2 14 8	3 17 9	3 11 2	2 4 9	0 15 5	0 12 1	20 14 10
Central Gardens, Ladies' No. 1	15 6	0 16 2	9 17 5	6 28 15	22 9 12	1 39 7	8 52 4	87 11 1	72 15 8	34 16 6	16 3 11	17 17	6 427 18 3
No. 2 ..	—	—	—	16 12 2	24 4	3 49 9	0 81 1	2 22 14	1 96 10	9 40 7	3 7 10	9	438 9 5
Lansdowne ..	5 3 2	4 17 3	4 13 9	6 16 2	7 0 3	8 16 5	9 10 8	26 16 1	32 7	0 19 13	1 9 17	4 9	4 144 19 6
Horse Shoe ..	2 6 9	2 4 2	1 19 4	2 15 10	2 15 0	3 1 10	3 3 8	4 4 5	3 17 3	2 16 10	2 2 5	1 19 7	33 8 6
Boscombe (Carnarvon Cres.), Gents'	1 19 9	1 19 11	2 1 8	2 7 5	2 10 0	2 10 3	3 1 11	4 5 10	3 14 3	3 2 11	2 8 8	1 19 9	32 2 4
King's Park, Ladies' ..	0 3 1	0 5 8	0 5 4	0 9 0	1 0 11	0 19 1	0 14 10	1 14 9	1 5 7	0 19 9	0 7 5	0 5 9	8 11 2
" Gents' ..	0 11 4	0 13 8	0 16 9	0 16 9	1 2 0	1 2 11	1 1 1	2 2 0	1 6 7	1 15 8	0 10 3	0 16 5	12 15 5
Boscombe Gardens, Ladies'	0 12 9	0 15 4	0 17 5	2 12 0	2 15 4	4 18 8	6 8 11	15 12 4	13 10	2 3 17	7 1 1	7 0 10	4 53 12 5
" Gents' ..	0 16 0	0 13 9	0 15 6	1 13 1	2 2 2	3 7 3	4 14 10	6 1 3	6 16 9	2 14 3	0 16 0	0 11 7	31 2 5
Boscombe Cliff Gardens, Ladies'	0 5 3	0 10 2	0 8 9	0 16 4	1 8 6	1 12 5	1 13 3	4 19 11	5 12 6	1 6 8	0 11 11	0 5 11	19 11 7
" Gents' ..	0 2 9	0 2 11	0 2 6	0 3 6	0 5 8	0 10 4	0 16 3	1 1 0	0 19 2	0 3 10	0 2 3	0 3 3	4 13 5
" Lawn Tennis	1 16 5	1 11 9	2 5 6	4 9 2	3 18 2	3 7 4	5 13 5	10 3 3	8 18 6	4 13 6	2 6 8	1 16 10	51 0 6
Bournemouth ..	0 2 5	0 2 11	0 7 0	0 7 11	0 8 11	0 19 1	0 19 3	1 4 0	1 8 10	0 13 4	0 4 6	0 5 4	7 3 6
Alum Chine ..	1 7 1	1 9 2	2 1 11	8 12 5	10 7 11	13 13 10	18 18 0	36 0 2	29 13	3 11 18	1 2 19	9 0 19	6 138 1 1
Durley Chine ..	0 14 9	0 15 0	1 5 3	2 1 7	2 0 8	2 14 4	2 9 2	3 13 0	4 6 3	2 9 8	0 18 10	0 14 2	24 2 8
Durley Road, Gents'	0 4 7	0 4 1	0 5 4	1 3 5	0 8 3	0 14 3	0 16 10	1 2 3	1 0 2	0 16 8	0 7 7	0 5 9	7 9 2
Meyrick Park, Ladies'	0 2 3	0 3 10	0 7 0	0 12 0	0 14 3	0 17 2	2 17 7	1 2 9	1 6 6	0 17 2	—	—	—
" Gents' ..	0 1 6	0 1 5	0 2 3	0 3 10	0 4 9	0 7 11	0 10 10	0 14 6	0 7 7	0 16 0	—	—	—
Near Cemetery, Ladies'	0 17 10	0 14 1	0 18 9	0 17 8	1 10 4	1 9 0	1 13 4	2 1 11	1 6 3	1 6 8	1 8 5	1 4 11	15 9 2
" Gents' ..	1 8 8	1 6 6	1 1 4	0 18 5	1 15 3	1 11 1	1 16 2	2 14 6	2 1 9	1 17 1	1 18 0	1 4 4	19 13 1
Fisherman's Walk, Ladies'	1 10 4	2 12 0	2 8 2	5 8 2	5 8 7	7 19 3	12 10 5	21 4 7	19 6	1 6 15	2 2 19	5 1 19	4 90 1 6
" Gents' ..	1 15 8	2 3 2	1 16 11	2 8 8	2 15 8	4 4 10	6 0 0	8 14 1	8 15 9	3 8 11	2 1 11	1 11 7	45 17 2
Holdenhurst Road, Gents'	1 14 10	1 5 0	1 11 0	1 17 9	1 15 3	1 16 7	2 7 0	3 5 10	3 1 5	1 18 2	1 15 11	1 15 2	23 13 5
Alma Road, Gents'	2 0 5	1 6 11	1 6 1	1 17 9	1 15 3	1 12 9	2 3 4	3 5 10	2 12 0	1 18 6	1 16 3	1 10 9	23 0 6
Charminster Road ..	0 16 8	0 15 1	0 16 5	0 18 7	1 5 2	1 6 8	1 0 2	1 7 1	1 10 0	1 4 10	1 1 11	0 14 8	12 17 4
Palmerston Road, Ladies'	12 6	0 13 6	2 12 5	2 16 12	11 13 11	5 13 10	2 14 7	22 18 10	24 5	1 15 17	5 13 12	11 12 19	185 12 11
" Gents' ..	4 19 9	4 11 10	4 2 9	6 5 7	5 15 3	5 19 1	8 3 6	11 8 4	11 9 1	1 6 18	0 5 7	7 4 3	1 79 3 10
Richmond Hill ..	1 5 6	0 18 5	0 19 9	1 1 3	1 11 0	1 8 11	1 15 6	2 9 4	2 2 2	1 4 7	1 13 10	1 6 7	17 16 10
Avenue Road ..	4 10 3	4 9 8	4 4 0	9 0 5	8 19 11	10 3 0	11 3 1	25 4 4	19 6	2 12 3	10 6 1	9 5 19	4 121 5 9
Lansdowne, Ladies' ..	5 19 4	6 15 11	6 10 10	11 6 2	9 18 6	11 0 3	11 13 4	16 2 1	33 12	10 17 13	11 1 8	11 8	1 153 2 11
Queen's Road ..	0 2 10	0 5 0	0 4 10	0 8 6	0 12 3	0 6 10	0 13 11	0 17 2	0 14 6	0 13 0	0 4 1	0 3 7	5 6 6
Sealourne Road, Ladies' and Gents'	3 3 9	3 8 2	2 11 0	2 13 3	3 4 2	3 15 10	4 0 9	6 12 2	6 6 1	3 18 5	3 15 9	3 5 7	46 14 11
Talbot Hotel, ..	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTAL	113 13 10	115 16 2	117 0 11	209 16 11	224 7 4	305 16 8	411 17 9	671 0 6	600 4	6305 13 4	147 5 7	131 2 10	3353 16 4

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 1920 and 1921:—

Situation of Meter.			Consumption in 1920.	Consumption in 1921.
Cabstand, Littledown Road	...	...	—	—
" St. Swithun's Road	...	...	12,900	12,100
" Waverley Road	...	...	5,200	2,600
Fire Station, Holdenhurst Road	...	...	62,800	81,000
Cabstand, Meyrick Road	...	...	15,400	13,300
" Madeira Road	...	...	3,500	5,900
Borough Offices	...	...	140,100	136,800
Yelverton Chambers	...	...	30,000	39,200
West Gardens Tennis Court	...	...	34,000	23,000
West Yard	...	...	91,700	114,400
Wharf Road Depot	...	...	47,600	52,000
Drinking Trough, Chine Road	..	..	50,800	48,800
Cabstand, Durley Road	..	..	—	1,000
" West Cliff Road	..	..	6,800	9,800
" West Cliff Gardens	..	..	11,700	10,200
" Exeter Road	..	..	1,400	1,200
West Fire Station	..	..	26,600	23,700
Mess Room, Westover Gardens	..	..	17,700	30,800
Engine House, Pleasure Gardens	...	..	685,600	453,800
Lansdowne Drinking Trough	...	..	72,700	53,700
Cabstand, Charminster Road	..	..	—	—
Cemetery, Wimborne Road	..	..	94,900	163,000
Refuse Destructor	...	...	489,300	588,200
Alum Chine Cliff Gardens	...	..	11,100	23,300
Cabstand, Gervis Road	..	..	—	Meter removed
" Derby Road	..	..	1,800	1,500
Knyveton Road	...	...	2,100	800
Boscombe Gardens, Lawn Tennis	..	...	9,000	41,200
East Yard	..	...	432,400	477,300
Cabstand, Spa Road	..	..	4,100	5,900
" Adeline Road	..	...	12,600	12,300
Boscombe Depot	...	..	77,500	93,600
King's Park	..	...	253,700	555,900
East Cemetery	...	...	55,000	104,000
Sanitary Hospital	...	..	1,321,500	1,017,200
Parkwood Road	...	..	61,400	58,200
Queensland Road	...	..	13,200	12,900
Rosebery Road	..	...	13,400	16,300
Clarence Park Road	..	..	17,200	11,700
Stourwood Avenue	..	...	—	Meter removed
Clifton Road	..	..	133,200	84,000
Stourwood Road	..	..	13,100	8,200
Drinking Trough, Parkwood Road	..	..	24,700	22,200
Boscombe Cliff Gardens	...	..	56,900	69,900
Cabstand, Wharnclyff Road	...	..	11,300	13,100
Car Sheds, Southcote Road	..	..	266,800	248,100
Mess Room, Southcote Road	..	...	198,500	168,300
Boiler House, Generating Station	...	..	289,000	140,000
Knyveton Gardens	..	..	27,500	15,500
Winton Depot	...	..	184,700	191,100

Situation of Meter.	Consumption in 1920.	Consumption in 1921.
Meyrick Park Pavilion and Mr. Curtis' Workshop ..	99,400	65,100
Cabstand, Bourne Avenue Road...	28,200	2,000
Gervis Road Drinking Trough ...	9,400	13,800
Christchurch Road Depot ..	36,500	73,600
Bowling Green, Meyrick Park ..	24,800	54,800
West Refreshment Rooms ..	83,000	89,600
East Refreshment Rooms ..	88,600	101,900
The Square, for watering Tramlines ..	19,100	6,400
Queen's Park Caddies' Shelter ..	11,300	10,900
Pokesdown Car Sheds ..	68,100	69,400
Moordown Car Sheds ..	5,000	47,400
Queen's Park Golf Pavilion ..	199,400	233,800
Queen's Park Golf Links ..	74,000	330,600
Winton Recreation Grounds ..	54,000	128,900
Boscombe Refreshment Rooms ..	25,600	35,700
Argyll Gardens ..	37,500	104,500
Fountain, East Beach ..	3,400	11,000
Fountain, West Beach ..	7,500	80,300
Convenience, West Beach ..	520,300	527,200
Convenience, East Beach ..	621,700	586,300
Urinal, East Cliff ..	52,300	55,900
Queen's Park Rifle Range ..	2,700	3,100
Nursery, King's Park ...	4,400	25,500
Alum Chine Refreshment Rooms ..	19,500	48,000
Durley Chine Refreshment Rooms ..	29,300	46,900
Winton Recreation Pavilion ..	16,200	20,000
King's Park Cricket Pitch ..	—	—
Fountain, Cliff Path, Pokesdown ..	41,700	63,900
Drinking Fountain, Grand Avenue ..	28,600	27,600
Durley Chine Drinking Post ..	7,600	11,200
King's Park Bowling Green ..	52,500	99,600
Sanitary Offices ..	38,200	26,200
Pokesdown Fire Station ..	56,300	58,200
Portman Crescent Cabstand ..	4,600	3,800
Newstead Road Flushing Tank ..	24,900	49,600
Mess Room, Undercliff Drive ..	17,100	23,600
Bowling Green, Southbourne ..	22,400	72,900
Law Courts, Stafford Road ..	102,500	86,500
Undercliff Drive ..	48,000	48,700
Middle Chine Drinking Post ..	11,700	26,100
Gervis Road Chair Stand ..	3,000	6,000
The Rookery Stables ..	18,300	16,900
St. John's Road Chair Stand ..	2,400	2,100
King's Park Mess Room ..	—	1,600
Fountain, Zig Zag Path ..	—	—
Tachbrook ..	12,300	8,400
Convenience, Undercliff Road ..	154,700	111,000
Hampstead House, Yelverton Road ..	48,000	56,900
Borough Dispensary ..	700	1,800
Westbourne Convenience ..	104,700	86,600
Triangle Convenience ...	89,400	165,200
Bourne Avenue Convenience ..	98,400	Meter removed
Ladies' Lavatory, Exeter Lane ..	381,000	388,200
Winter Gardens ..	226,600	411,000
Urinals, facing the Pier ..	701,100	532,700
Bournemouth Pier ..	751,500	536,500
" " (Special) ..	116,000	88,000
Westover Road Conveniences ..	457,300	452,700
Firs Glen Conveniences ..	87,900	101,300
Lansdowne Convenience ..	174,400	253,100
Boscombe Gardens' Conveniences ..	206,100	191,900

				Consumption in 1919.	Consumption in 1920.
Carnarvon Crescent	..	..	..	160,600	130,100
Poole Hill Conveniences	..	..	..	86,100	107,800
Durley Chine Conveniences	..	..	..	27,900	30,800
Alum Chine Conveniences	...	..	..	104,500	303,000
Boscombe Pier	..	...	..	176,800	222,900
Lavatories near Cemetery	..	..	..	77,200	80,000
Seabourne Road Conveniences	...	..	...	109,600	114,800
Durley Road Conveniences	..	..	..	12,100	14,500
East Cliff Convenience	..	..	..	129,700	135,500
Fisherman's Walk Conveniences	..	...	..	91,100	148,300
Holdenhurst Road Convenience	..	..	..	76,100	93,700
Alma Road Conveniences	..	..	..	62,200	85,100
Boscombe Lawn Tennis	..	...	..	76,600	77,400
Charminster Road Conveniences	..	..	..	25,900	87,100
Palmerston Road Conveniences	..	..	..	448,600	469,600
Fisherman's Walk Gardens	..	..	..	114,700	85,800
Avenue Road Convenience	..	..	..	129,700	275,100
Richmond Hill Convenience	..	..	..	76,500	87,800
Lansdowne Ladies' Lavatory	..	..	..	143,100	120,400
Urinal, Bennett Road	...	..	..	21,400	9,600
Golf Clubs, and Caddies' Shelter	...	..	..	119,400	64,600
Total				13,894,110	14,803,300

STATEMENT OF ACCOUNTS.

Sanitary Inspections	...	...	...	164	17	0
Maintenance of Patients	...	...	£	1145	9	8
Disinfection of rooms, bedding and Clothing after Non-Notifiable Dis- ease, including Transport	...	...	...	317	3	6
Cleansing of Sanitary Conveniences, etc., Hotels	...	...	...	22	2	0
Ditto. Public Elementary Schools	...	...	...	104	2	0
Cleansing Cab-Shelters	...	...	...	26	0	0
Cesspools emptied	...	...	...	23	18	0
Disinfecting Cinemas	...	...	...	11	7	6
Cleansing and Flushing Drains, etc.	...	...	...	9	2	0
Checking Meters at Elementary Schools	...	...	...	14	0	0
Checking Meters at Royal National Sanatorium	...	...	...	1	1	0
Disinfectants supplied	...	...	...	3	14	0
Hire of Ambulance	...	...	...	6	3	0
Cleansing passages and right-of-ways	...	...	...	9	2	0
Fee for private Analysis (Food and Drugs)	...	...	...	1	1	0
Conveniences (Stores)	...	...	...	2	14	6
Drainage work, etc.	...	...	...	19	9	8
Ratcatching Accounts	....	....	....	129	16	3

SALE OF FOOD AND DRUGS ACTS, 1875-1907.

Inspector : Mr. W. D. CARTER.

During the year, 400 samples of Food and Drugs were obtained, of which number 294 samples were purchased formally or "taken" in accordance with the provisions of the Acts; 106 samples were purchased informally and submitted as "Test" samples to the Analyst.

Of the 400 samples,

349 or 87.25 per cent. were reported genuine.

32 or 8.0 per cent. were poor or doubtful quality.

19 or 4.75 per cent. adulterated, or in some way deficient.

		Adulterated, per cent.	Poor or doubtful, per cent.
Official	...	3.061	9.184
Unofficial	...	9.433	4.716

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

MILK.

One hundred and twenty-seven samples of Milk were officially purchased or taken and submitted to the Public Analyst, who reported adversely upon twenty-eight of the samples. Of the adulterated samples, four were deficient in milk fat and two contained added water, etc.

Forty-three samples were submitted to the "Gerber Test" by your Inspector; the whole of the samples were taken from consignments of milk in course of delivery to dairymen in the Town. Two of these samples were of poor or doubtful quality and four adulterated.

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

BUTTER.

Twenty-one formal and ten informal samples of butter were purchased; some of these were adulterated.

DRUGS AND PRESCRIPTIONS.

Twenty-nine samples of Drugs, including Cream of Tartar and Epsom Salts, were sent for analysis.

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

2 Samples of Cream of Tartar.

Article.	No.	Genuine.	Poor or Doubtful.	Adulterated.
Epsom Salt	5	5	—	—
Tartaric Acid	4	4	—	—
Camphorated Oil	6	5	1	—
Cream of Tartar	6	4	—	2
Citric Acid	3	3	—	—
	—	—	—	—
	24	21	1	2
	—	—	—	—

Five formal samples of Cream of Tartar were obtained, all of which on analysis proved to be genuine.

PRESERVATIVE AND COLOURING MATTER.

The following Table shows the number of articles analysed during 1921 which were reported by the Analyst to contain some preservative or colouring matter:—

NO. CONTAINING PRESERVATIVE.

OFFICIAL SAMPLES.

No. of samples analysed.	Article.	Preservative.	Colour.	Remarks.
4	Preserved Cream ..	4	—	Boric acid 0.08, 0.32 per cent.
10	Beef Sausages ..	3	—	Boric acid 0.16 per cent. to 0.04 per ct.
21	Pork Sausages ..	8	—	Boric acid 0.04 per cent. to 0.24 per ct.
9	Black Currant Jam	1	—	Salicylic acid 0.21 grns. per lb.
21	Butter ..	16	—	Boric acid 0.05 per cent. to 0.34 per ct.
1	Fruit Wine Port Flavour	—	1	Coal tar dye.
1	Fruit Wine, Orange	—	1	Coal tar dye.
4	Green Peas ..	—	3	Copper Sulphate 1.8 grns. to 2.0 grns. per pound.
4	Margarine ..	4	—	Boric acid 0.15 to 0.32 per cent.
1	Fruit Wine, Ginger	1	—	Salicylic acid 1.75 grns. per pint.
1	Fruit Wine, Cordial	1	1	Salicylic acid 3.9 grns. per pint. Coal tar dye.
3	Sausages ..	1	—	Boric Acid 0.14 per cent.

UNOFFICIAL SAMPLES.

7	Cream ..	3	—	Boric acid 0.11 per cent. to 0.33 per ct.
1	Preserved Cream ..	1	—	Boric acid 0.20 per cent.
6	Margarine ..	6	—	Boric acid 0.08 to 0.32 per cent.
10	Butter ..	4	—	Boric acid 0.03 to 0.16 per cent.
6	Green Peas ..	—	3	Copper Sulphate 1.4 to 1.28 grns. per pound.
1	Mixed Vegetable	—	1	Copper Sulphate 0.68 grns. per lb.
2	Raisin Wine ..	1	—	Salicylic acid 2.6 grns. per pint.
2	Lemon Squash ..	2	—	Salicylic acid 1.83 to 2.8 grns. per pint.
2	Lime Juice Cordial	1	—	Salicylic Acid 1.83 grns. per pint.
1	Potted Shrimp ..	1	—	Boric acid 0.44 per cent.
5	Mince Meat ..	1	—	Salicylic acid 1.78 grns. per pound.
123		59	10	

LEGAL PROCEEDINGS.

During the year, two summonses were taken out and convictions followed in both cases.

In these cases the proceedings were instituted in respect of samples reported against by the Public Analyst:—

Sample No.	Article.	Nature and extent of Adulteration.	Result of Legal Proceedings.	Fine.	Costs.
66	Malt Vinegar.	19 per cent. deficient in Acetic Acid	Conviction	10/-	£1/11/0
72	do.	24 per cent. deficient in Acetic Acid.	Conviction	10/-	£1/1

COUNTY BOROUGH OF BOURNEMOUTH.

PUBLIC HEALTH (MILK AND CREAM)
REGULATIONS, 1912.REPORT UPON ADMINISTRATIVE ACTION : YEAR ENDED
DECEMBER 31st, 1921.1. *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 a thickening sub- stance was found.
Milk	133	—	—	—
Cream	11	3	—	—
Clotted Cream ..	2	—	—	—
Separated Milk.	10	—	—	—

2. *Cream sold as Preserved Cream.*

Total number of samples examined	...	...	5
(a) Number of examinations as to correctness of state- ments on label	...	...	5
Sterilized	...	...	0
(b) Determination made of Milk Fat above 35 per cent.			5
(c) Instances where (apart from analysis) the require- ments of the Regulations have not been observed...			0
Thickening Substances	...	...	0

Samples Reported against by the Public Analyst.

(a) Samples in regard to which Legal Proceeding have been instituted	...	...	0
(b) Samples in regard to which Legal Proceedings have not been instituted	...	...	0

RATS & MICE (DESTRUCTION) ORDER ACT, 1919.

During the period under review, two organised campaigns have been held, and the particulars and results are as follows:—

		CAMPAIGN No. 5.	6.	TOTAL.
1	No. of Rats caught ...	188	282	470
2	Applications from Householders ...	49	43	92
3	No. of Baits applied ...	3,000	3,500	6,500

INCOME AND EXPENDITURE.

CAMPAIGN No. 5.

Expenditure £17 4s. 5½d.

Income £17 11s. 6d.

CAMPAIGN No. 6.

Expenditure £27 3s. 0d.

Income £17 3s. 7½d.

GENERAL REMARKS.

1. The number of rats killed with dogs and ferrets during the year, including the number given above for 5th and 6th Campaigns, is 1,348. All of these, on examination, were found to be clean, healthy rats.

2. No black rats were found.

3. The Parks, Chines, Cliffs and Pleasure Grounds were systematically hunted with dogs and ferrets during each Campaign.

4. The greatest number of rats were caught under fowl-houses, pig-stys, etc.

5. Vermin-proofing of premises on the lines suggested in my last Annual Report is the best protection against the apathy of neighbours in dealing with the question.

INCREASE OF RENT AND MORTGAGE INTEREST (RESTRICTION) ACT, 1920.

The action taken by this Department under Sect. 2 of the above Act is as follows:—

1. No. of Formal Applications during year	... ..	45
2. No. of Certificates issued	... ..	25
3. No. of cases where no Certificates were issued	... ..	20
4. No. of visits and enquiries by the Staff.	... ..	153

In a number of instances, terms have been mutually agreed upon by the landlord and tenant without resorting to formal action. The fee of 1s. for each Application has been remitted.

I have pleasure in acknowledging the loyal help rendered by the Inspectors and Staff throughout the year, and particularly I should like to record the great help given by the junior clerk, P. E. C. Collier, during the long and serious illness of the senior clerk, Mr. W. J. S. Adams. By his working early and late, the appointment of a temporary clerk was avoided.

I remain, Gentlemen,

Your Obedient Servant,

WM. GEO. COOPER,

Chief Sanitary Inspector.

COUNTY BOROUGH OF BOURNEMOUTH.

ANNUAL REPORT

OF THE

Public Analyst

For the Year ending 31st December, 1921.

TO THE MAYOR AND TOWN COUNCIL,
BOURNEMOUTH.

GENTLEMEN,

In presenting my 21st Annual Report I beg to state that during the year 1921 four hundred samples of Food and Drugs have been submitted to analysis; of these, 294 were formal and 106 informal samples.

The number of adulterated samples was 19 (4.75 per cent.), whilst the "poor or doubtful" samples were 32 (8 per cent.). Nine (3.06 per cent.) of the adulterated samples were official and ten (9.43 per cent.) unofficial or informal; of the "poor or doubtful" samples 27 (9.18 per cent.) were official and 5 (4.71 per cent.) unofficial.

Table 1 shows the comparison of these results with those of the previous ten years:—

Table I.

Year		Adulterated	Poor or Doubtful
1911	official	8.00 per cent.	16.00 per cent.
"	unofficial	7.07 " "	11.10 " "
"	total	7.77 " "	14.80 " "
1912	official	12.33 " "	10.66 " "
"	unofficial	7.07 " "	8.08 " "
"	total	11.03 " "	10.02 " "
1913	official	6.33 " "	10.33 " "
"	unofficial	3.00 " "	3.00 " "
"	total	5.50 " "	8.50 " "
1914	official	5.71 " "	14.70 " "
"	unofficial	10.26 " "	10.26 " "
"	total	6.81 " "	13.62 " "
1915	official	12.75 " "	13.40 " "
"	unofficial	7.45 " "	4.25 " "
"	total	10.70 " "	9.88 " "
1916	official	14.6 " "	19.6 " "
"	unofficial	6.25 " "	15.0 " "
"	total	11.76 " "	18.05 " "
1917	official	14.9 " "	11.8 " "
"	unofficial	14.0 " "	10.0 " "
"	total	14.7 " "	11.43 " "
1918	official	13.80 " "	21.30 " "
"	unofficial	9.80 " "	9.80 " "
"	total	12.90 " "	18.60 " "
1919	official	11.2 " "	16.4 " "
"	unofficial	10.0 " "	10.0 " "
"	total	10.85 " "	14.57 " "
1920	official	7.54 " "	9.71 " "
"	unofficial	18.33 " "	13.33 " "
"	total	10.80 " "	10.80 " "
1921	official	3.06 " "	9.18 " "
"	unofficial	9.43 " "	4.71 " "
"	total	4.75 " "	8.00 " "

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, 1921. Two hundred and ninety-four official samples:—

Nature of Sample.	Examined.	Genuine.	Poor or Doubtful.	Coloured.	Containing Preservative	Adulterated	Percentage adulterated
Milk	127	99	22	—	—	6	4.72
Separated Milk	10	10	—	—	—	—	—
Cream	4	2	2	—	—	—	—
Preserved Cream	4	4	—	—	4	—	—
Butter	21	21	—	—	16	—	—
Margarine	4	4	—	—	4	—	—
Dripping	2	2	—	—	—	—	—
Beef Dripping	1	1	—	—	—	—	—
Lard	11	11	—	—	—	—	—
Sausages	3	3	—	—	1	—	—
Beef Sausages	10	10	—	—	3	—	—
Pork Sausages	21	21	—	—	8	—	—
Self-raising Flour	16	15	1	—	—	—	—
Baking Powder	2	2	—	—	—	—	—
Cream Powder	1	1	—	—	—	—	—
Clover Cream Powder	1	1	—	—	—	—	—
Malt Vinegar	13	11	—	—	—	2	15.37
Black Currant Jam	9	8	1	—	1	—	—
Strawberry Jam	5	5	—	—	—	—	—
Green Peas	4	4	—	3	—	—	—
Cream of Tartar	5	5	—	—	—	—	—
Fruit Wine	4	3	—	2	1	1	25.0
Fruit Wine Cordial	1	—	1	1	1	—	—
Beer	15	15	—	—	—	—	—
	294	258	27	6	39	9	3.06

Table III.

Summary of Annual Report, 1921. One hundred and six unofficial samples:—

Milk	6	4	2	—	—	—	—
Cream	7	4	—	—	3	3	42.85
Preserved Cream	1	1	—	—	1	—	—
Clotted Cream	2	2	—	—	—	—	—
Butter	10	10	—	—	4	—	—
Margarine	6	6	—	—	6	—	—
Dripping	1	1	—	—	—	—	—
Potted Shrimps	1	1	—	—	1	—	—
Malt Vinegar	2	2	—	—	—	—	—
Coffee	6	6	—	—	—	—	—
Baking Powder	5	3	1	—	—	1	20.0
Pepper	5	5	—	—	—	—	—
Cayenne Pepper	3	3	—	—	—	—	—
Green Peas	6	6	—	3	—	—	—
Mixed Vegetables	1	—	—	1	—	1	100.0

Nature of Sample.				Examined.	Genuine.	Poor or Doubtful.	Coloured.	Containing Preservative	Adulterated	Percentage adulterated
Honey	..	..	..	1	—	1	—	—	—	—
Black Currant Jam	..	..	..	1	1	—	—	—	—	—
Mince Meat	..	..	..	5	5	—	—	1	—	—
Lime Juice Cordial	..	..	..	2	1	—	—	1	1	50.0
Lemon Squash	..	..	..	2	1	—	—	2	1	50.0
Fruit Wine	..	..	..	2	1	—	—	1	1	50.0
Cream of Tartar	..	..	..	6	4	—	—	—	2	33.33
Epsom Salt	..	..	..	5	5	—	—	—	—	—
Tartaric Acid	..	..	..	4	4	—	—	—	—	—
Citric Acid	..	..	..	3	3	—	—	—	—	—
Camphorated Oil	..	..	..	6	5	1	—	—	—	—
Glycerine	..	..	..	6	6	—	—	—	—	—
Brynite	..	..	..	1	1	—	—	—	—	—
				106	91	5	4	20	10	9.43

Table IV.

Adulterated official samples:—

No.	Nature of Sample.	Nature of Adulteration.	Observations.
5	Milk	10.6 per cent. deficient in fat.	
83	Milk	6.3 per cent. deficient in fat.	
84	Milk	4.3 per cent. deficient in fat.	
150	Milk	4.1 per cent. added water.	
163	Milk	11.6 per cent. deficient in fat.	
192	Milk	6.5 per cent. added water.	
65	Malt Vinegar ..	19 per cent. deficient in Acetic Acid.	Should contain 4 per cent. Acetic Acid. Only contained 3.23 per ct.
72	Malt Vinegar ..	24 per cent. deficient in Acetic Acid.	Should contain 4 per cent. Acetic Acid. Only contained 3.04 per ct.
244	Fruit Wine, Orange	2.47 per cent. Proof Spirit.	Should not exceed 2.0 per cent.

Table V.

Adulterated unofficial samples:—

No.	Nature of Sample.	Nature of Adulteration.	Observations.
4	Cream of Tartar ..	Contained 1.5 per cent. of Talc.	
24	Mixed vegetables	Contained Copper Compounds equivalent to Copper Sulphate 0.68 grain per pound.	Presence of Copper not declared.
43	Cream of Tartar	Contained 1.46 per cent. of Talc.	
46	Baking Powder	Acid Calcium Phosphate contained 59.3 per cent. Calcium Sulphate. Available Carbon-dioxide 0.37 per cent.	The Calcium Sulphate in Phosphate powder should not exceed 10 per ct. Practically devoid of any raising qualities.

No.	Nature of Sample.	Nature of Adulteration.	Observations.
64	Cream ..	Boric acid 0.11 per cent.	
69	Cream ..	Boric acid 0.33 per cent.	
70	Cream ..	Boric acid 0.24 per cent.	
89	Fruit Wine ..	Proof Spirit 3.19 per cent.	Should not exceed 2.0 per cent.
90	Lemon Squash ..	Phosphoric acid 0.61 per cent.	37.5 p.c. of Acidity of sample due to Phosphoric Acid. Lemon Juice contains no free Phosphoric Acid.
91	Lime Juice Cordial	Phosphoric acid 0.71 per cent.	45 p.c. of Acidity of sample was due to Phosphoric Acid. Lime Juice contains no free Phosphoric Acid.

MILK.

Excluding the six adulterated samples the average composition of the remaining 127 samples was:—Fat, 3.63 per cent.; non-fatty solids, 8.89 per cent.

The averages for the four quarters of the year (excluding the adulterated samples) have been:—

			Samples	Fat %.	S.N.F. %.
1st Quarter	...	...	31	3.60	8.98
2nd „	...	...	39	3.61	8.87
3rd „	...	...	33	3.66	8.77
4th „	...	...	24	3.54	8.96

The average Fat was nearly the same as last year, but the non-fatty solids were distinctly lower and were practically identical with the figure accepted as the normal average by nearly all analysts; it would appear, therefore, that the exceptionally dry season did not very seriously depreciate the quality of milk produced in the neighbourhood of Bournemouth.

It is satisfactory to note that in no sample of milk could any preservative be detected, thus presenting marked contrast to the condition of things which existed about 20 years ago. In my first Annual Report (for 1901), I drew attention to the

fact that of 55 samples of milk submitted for analysis no fewer than 12 contained Boron preservative. The proportion of preserved samples gradually diminished and for several years past Boricised milk has only been known in the Borough as a curiosity of history.

Colouring. The practice of adding colouring matter to milk continued to be more or less common until the war brought with it a small blessing in the form of an "order" prohibiting its use, and since then very few samples have contained any added colouring. Having secured this desirable result it is to be hoped that any return to the former state of things will be rigorously prevented.

SAUSAGES.

During the year 34 have been examined and of these 12 contained Boric Acid as a preservative, but in no case in greater amount than 0.25 per cent. This is a great improvement on earlier results, e.g., in 1910 I examined 14 samples, all of which contained Boric Acid and in 8 cases the amount varied from 0.29 per cent. to 0.53 per cent.

FRUIT WINE (Non-Alcoholic).

Seven samples were analysed and of these 2 were returned as adulterated in consequence of the presence of Alcohol to the extent of 2.47 per cent. and 3.19 per cent. reckoned as Proof Spirit. "Non-Alcoholic" wines should not contain more than 2 per cent. of Proof Spirit. These preparations are frequently little else than weak Syrups flavoured and coloured to imitate wines.

LEMON SQUASH AND LIME JUICE CORDIAL.

In my last year's report I had occasion to refer to the use of Phosphoric Acid as an adulterant of these common beverages. The action of the Surrey

County Council has resulted in several convictions for this fraud—it can be considered as nothing less than a fraud, however high the reputation of the firm perpetrating it, because it is impossible to obtain natural Lime or Lemon Juice containing Phosphoric Acid, and the public have no idea when purchasing the article that they are receiving a full medicinal dose of Phosphoric Acid with each “drink,” this dose being so diluted with water as to resemble in acidity the natural product of the Lemon or Lime.

SELF-RAISING FLOUR.

Of the 16 samples, only one was of “Poor or Doubtful” quality and none adulterated. Here again we see the value of consistent work; last year only one sample was adulterated, although 32 were taken, whereas in former years many adulterated samples were found, e.g., in 1903, 1904, and 1906, forty samples were taken, of which 12 contained excess of Calcium Sulphate, in some cases the amount being very excessive.

In conclusion I would draw attention to the very satisfactory results shown by the year's working, the percentage of both adulterated and poor samples being the lowest on record, and wish to express my appreciation of the energy and interest shown by the Inspector of Food and Drugs.

I am,

Mr. Mayor and Gentlemen,

Your obedient Servant,

R. A. CRIPPS.