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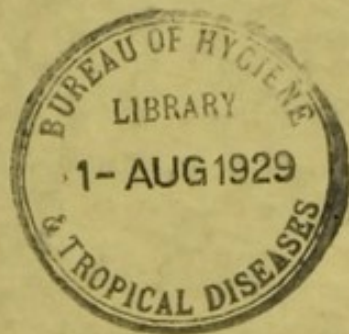
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County Borough of Bournemouth,
1928.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

with which are included

the REPORTS of the

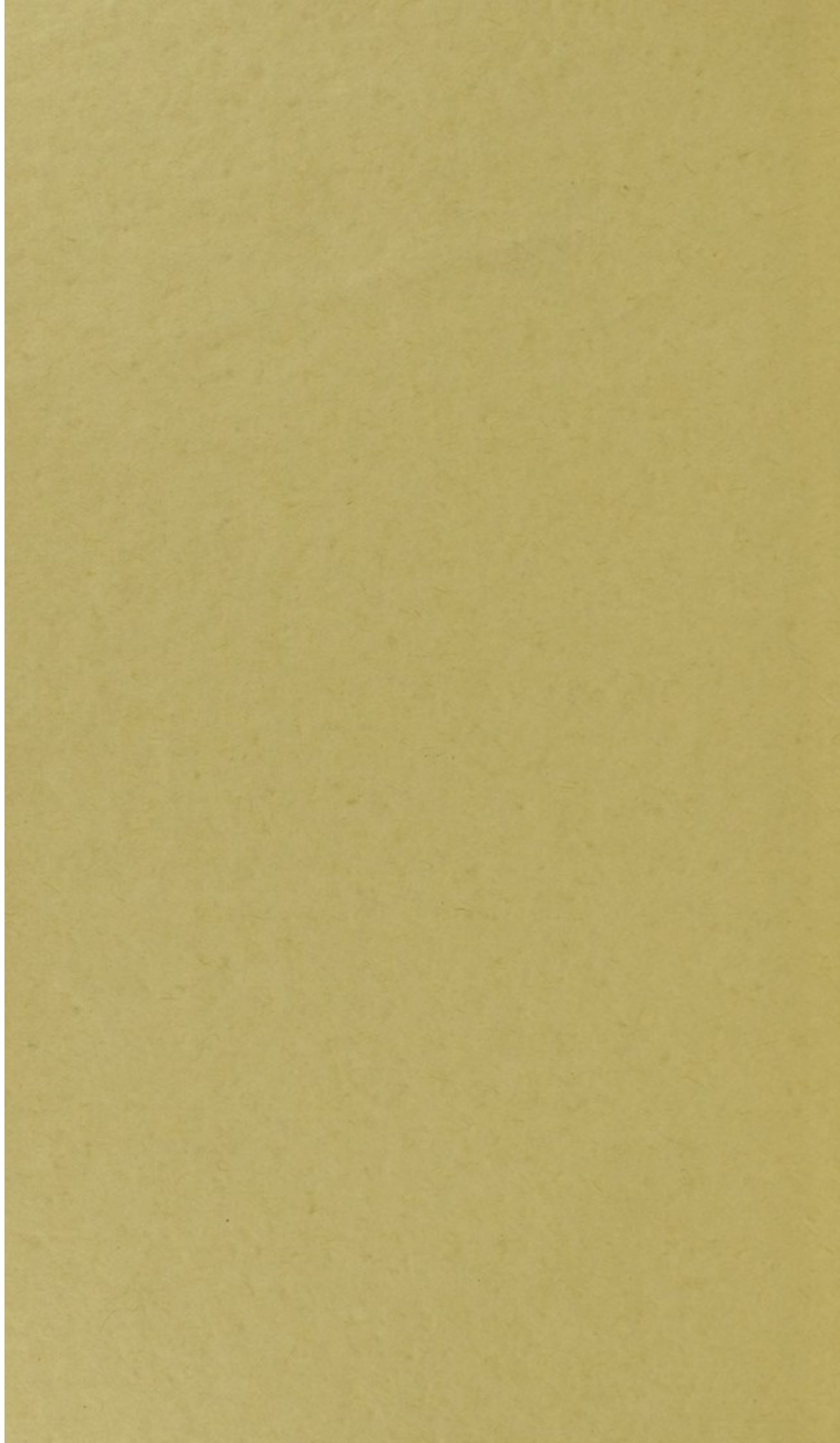
CHIEF SANITARY INSPECTOR

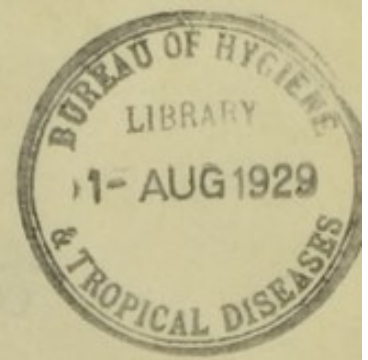
and

PUBLIC ANALYST.

BOURNEMOUTH.

Printed by Suttons, Boscombe.





County Borough of Bournemouth,
1928.

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BOURNEMOUTH.

Printed by Suttons, Boscombe.

COUNTY BOROUGH OF BOURNEMOUTH.

HEALTH COMMITTEE.

The Mayor (Mr. Alderman C. H. Cartwright, J.P.).
 Mr. Alderman J. J. Brazier (Chairman).
 Mr. Councillor W. Asten, M.D. (Vice-Chairman).

Mr. Alderman G. Luckham.	Mrs. Councillor F. E. Laney, J.P.
" " F. S. Mate, J.P.	Mr. " A. J. Playdon.
Mr. Councillor J. J. Empson.	" " F. B. Summerbee.
" " John Fox.	" " E. R. Whitfield.
" " C. J. Game.	" " W. Wilkinson.
" " W. Jones.	

GENERAL SUB-COMMITTEE FOR HOSPITAL AND GENERAL PURPOSES.

The Chairman. Vice-Chairman.
 Aldermen Luckham and Mate, Councillors Empson, Laney, Summerbee,
 Whitfield and Wilkinson.

HEALTH AND SANITARY DEPTS.

Medical Officer of Health	...	{ H. Gordon Smith, M.D. London
School Medical Officer	...	{ (State Medicine), B.S., M.R.C.S.,
		{ L.R.C.P., D.P.H.
Asst. Medical Officer of Health	...	{ T. S. Stirling, M.B., Ch. B. (Glas-
" School Medical Officer	...	{ gow), D.P.H. (Cambridge).
Clinical Tuberculosis Officer	...	{ D. A. Hutcheson, M.D. (Hons.),
		{ Ch.B. (Aberdeen), D.P.H. (Aber-
		{ deen).
Chief Sanitary Inspector	...	W. G. Cooper, F.I.S.E., F.R. San. Inst.
Senior District Sanitary Inspector	...	A. J. Phillips, M.S.I.A.
		W. J. S. Adams, E. Smith, C. T.
District Sanitary Inspectors	...	{ Newlyn, S. Powell, W. Vincent-
		{ Morris (all certified Royal Sani-
		{ tary Institute).
Food Inspectors and certified Meat		
Inspectors	...	W. D. Carter, T. Pickering.
Shops Inspector	...	H. Goldsworthy.
Matron, Sanitary Hospital	...	Miss E. Wilcox.
Health Visitors	...	Miss C. Brock, Miss F. E. A.
		Richardson, Miss S. Dakin, Miss
		D. Williams, Miss A. M. Crisp
		(all Cert. Mid. Board).
Clerks	...	A. W. Hurley, G. O. Willis, F. J.
		Hocking, O. A. Trendell, C. B.
		Glover, J. Randall, S. M. Payne.
Superintendent of Public Conveniences		
Mortuary and Water Meters	...	T. H. Bailey.
Disinfectors and Drain Testers	...	E. Benjafield, F. Chick, F. J.
		Smith, A. Lockyer, A. Grose,
		M. Mervish.
Corporation Rat Catcher	...	F. J. Smith.
Public Analyst...	...	R. A. Cripps, F.I.C.
Bacteriologist	...	A. C. Ingram, M.D., M.R.C.P.,
		D.P.H.
Veterinary Surgeon	...	J. Steward Wood, M.R.C.V.S.
Meteorologist	...	C. Dales, F.R. Met. S.

(AT 31ST DECEMBER, 1928.)

COUNTY BOROUGH OF BOURNEMOUTH.

ANNUAL REPORT
OF THE
Medical Officer of Health
for the year 1928.

Health Department,
Town Hall,
Bournemouth.

May, 1929.

TO THE MAYOR, ALDERMEN AND
COUNCILLORS OF THE COUNTY BOROUGH OF
BOURNEMOUTH.

Madam and Gentlemen,

As Medical Officer of Health I beg to present my Annual Report for the year 1928.

A casual inspection of the statistics and information supplied will suggest that no item requires special comment. Nevertheless, important developments are taking place or are foreshadowed. As requested by the Council at the time of my appointment I have after careful thought and thorough survey made preliminary recommendations with a view to the co-ordination and consolidation of the work of the health services. These, which were so ably directed by my predecessor, the late Dr. A. D. Edwards, are tending to vary both in scope and character. The population of Bournemouth is steadily increasing, probably much more than the Registrar-General

suggests. Given the number of inhabited houses as 22,400 and taking the reasonable average of 4.7 individuals per house the population of Bournemouth in 1928 should be at least 105,000. Moreover it is most likely that the inhabitants are to some extent altering in type. In this connection it will be remembered that some hundreds of small houses have been erected by municipal and private enterprise mainly on the outskirts of the borough.

The probable extension of the borough boundaries and the coming into operation of the Local Government Act, 1929, are other factors which have to be considered in any scheme of re-organisation. Although it may be that several years will elapse before these developments are complete, it is possible to enter on the initial stages.

It will be noted that the Maternity and Child Welfare scheme in Bournemouth, as in other areas, is increasing year by year. The Health Visitors find it necessary to pay more home visits and the attendances at the Clinics are also greater. Further it is now considered essential to provide adequate examination and necessary treatment for ante-natal and post-natal cases. For the latter purpose a centrally situated building is required and preferably a whole-time medical officer who will conduct the Clinics and deal with a certain amount of the administrative duties. Both these wants are now receiving the attention of the Council.

With a population in the neighbourhood of 100,000 and probably a growing number of visitors owing to increased facilities for travelling, the control of infectious diseases is becoming more and more difficult. Frequently information is received relating to a visitor who is suffering from, or who has been in contact with, a case of infectious disease originating outside Bournemouth. Many of these patients require isolation, even though the disease be not compulsorily notifiable. Some difficulty has been experienced

during the year in dealing adequately with all the known cases. The number of beds provided at the Municipal Hospital for all diseases is not in the proportion usually considered necessary, viz., one per 1,000 of population. In normal years the accommodation has sufficed, but with an increasing number of visitors and possibly an outbreak of disease in some institution, problems may arise. During the year under consideration Scarlet Fever and Diphtheria have been more prevalent than in 1927. The former disease has shown a tendency to revert to the well-marked type that used to prevail. Most of the Diphtheria patients on the other hand had the complaint in a mild form. No case of Small-pox has been detected, but suspects have been notified and diagnosed after consultation as suffering from other conditions.

In connection with Mental Deficiency, no comprehensive scheme has yet materialised. It is to be regretted that negotiations which were being made with the County Boroughs of Portsmouth and Southampton for the provision of an institution fell through and no alternative proposals have been made.

Other matters deserving attention are dealt with in the body of this report.

Before concluding I wish to express my gratitude to all the members of the Council and of the Health Committee for their sympathetic consideration and support and to refer to the loss sustained by the Health Committee in the persons of the late Alderman J. J. Brazier and Alderman G. J. Luckham. As Chairman and Vice-Chairman respectively their merits were well known to members of the Council and to the officials. As one of the latter I have received much kindness from each of these gentlemen.

To my colleagues in the Health and other departments I would also tender my thanks.

I have the honour to be,

Councillor Mrs. Laney and Gentlemen,

Your obedient servant,

H. GORDON SMITH.

Medical Officer of Health.

SUMMARY OF STATISTICS.

and general information relating to the County Borough of Bournemouth.

1. **Area of the County Borough :** 6,643 acres.
2. **Geological Information.** Bagshot Sands Series.
Subsoil—Silicious Sand.
3. **Population.** Census of June, 1921 : 91,761.
Estimated 1928 : 105,000.
Estimate of Registrar-General : 96,580.
Density of Population : No. of persons per acre, 15.80 (R.G. 14.53).
No. of persons per house, 4.68 (R.G. 4.31).
4. **Birth Rate :** 10.55 (R.G.* 11.47) per 1,000.
5. **Infantile Mortality :** 55.05 per 1,000 births.
6. **Death Rate :** 12.49 (R.G. 13.58) per 1,000.
7. **Phthisis Death Rate :** .91 (R.G. .99) per 1,000.
8. **Influenza Death Rate :** .18 (R.G. .19) per 1,000.
9. **Number of Cases of Infectious Diseases per 1,000 of the Population**
(R.G.) Scarlet Fever 1.68, Diphtheria .83, Para-typhoid Fever .03,
Variola .00, Erysipelas .18.
10. **Number of Inhabited Houses :** (1921) 17,540, (1928) 22,400.
11. **Rateable Value :** (1928) £1,081,783.
12. **Rates :** Poor and General District Rates (1928) 8/9 in the £.

R.G. Signifies Rate based on Registrar-General's estimate of the population of 96,580.

VITAL STATISTICS DURING 1928 AND PREVIOUS YEARS.

Year	Popula- tion esti- mated to middle of each Year	Births			Total deaths registered in the District		Transfer- able Deaths		Net deaths belonging to the District			
		Uncorrected Number	Net		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 Net Births	No.	Rate
1	2	3	4	5	6	7	8	9	10	11	12	13
1914	85000	1115	1111	13.42	943	11.09	149	92	81	70.98	886	10.42
1915	*85000 †72197	1146	1190	*14.0	1167	†16.1	155	126	112	94.1	1138	15.74
1916	†76939 †70715	1194	1235	†16.05	1181	†16.70	189	109	86	69.63	1101	†15.56
1917	†78395 †70327	967	979	†12.49	1175	†16.70	251	132	82	83.72	1056	†15.01
1918	†83227 †74279	1093	1031	†12.38	1140	†15.34	219	144	59	57.2	1065	†14.33
1919	†86073 †82627	1040	1022	†11.87	1209	†14.63	207	127	89	87.08	1129	†13.66
1920	†86288 †85919	1449	1410	†16.34	1022	†11.89	177	109	64	45.39	954	†11.10
1921	{ 91770 81200	1280	1251	{ 13.95 15.40	1133	{ 12.34 13.95	179	130	94	75.13	1084	{ 11.81 13.34
1922	{ 93770 81500	1168	1129	{ 12.04 13.85	1181	{ 12.59 14.49	174	135	64	56.68	1142	{ 12.17 14.01
1923	{ 95600 82200	1135	1070	{ 11.19 13.01	1192	{ 12.46 14.50	207	135	64	59.81	1120	{ 11.71 13.62
1924	{ 97000 84450	1162	1112	{ 11.46 13.16	1225	{ 12.62 14.50	187	132	50	44.96	1170	{ 12.06 13.85
1925	{ 98000 85840	1189	1156	{ 11.79 13.46	1222	{ 12.46 11.23	173	128	61	52.76	1183	{ 12.07 13.78
1926	{ 100000 90100	1163	1110	{ 11.10 12.31	1291	{ 12.91 14.32	206	135	64	57.65	1220	{ 12.20 13.54
1927	{ 102500 92650	1164	1076	{ 10.49 11.61	1338	{ 13.05 14.44	231	139	56	52.04	1246	{ 12.15 13.44
1928	{ 105000 96580	1222	1108	{ 10.55 11.47	1397	{ 13.30 14.46	258	163	61	55.05	1312	{ 12.49 13.58

* Estimated on 1915 population figure.

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

MATERNITY AND CHILD WELFARE.

(a) During the year 1,222 births were registered in the County Borough of Bournemouth, of which 185 were transferred to other districts by the Registrar-General and 71 transferred into Bournemouth from other districts, the net births in Bournemouth being

therefore, 1,108, making a *birth rate* of 11.47 on the Registrar-General's estimate of the population.

The following table shows the birth rates for the past ten years, calculated on the Registrar-General's estimate of the population. It will be noted that this is now taken as the basis of calculation, whereas the birth rates in former reports were calculated on the estimate of the population based on the Census figures.

1919	1920	1921	1922	1923	1924	1925	1926	1927	1928
11.8	16.3	15.4	13.8	13.0	13.1	13.4	12.3	11.6	11.4

Of the 1,213 births that actually occurred in the County Borough 1,184 were notified. Of these notifications 700 were made by doctors, 480 by midwives and 4 by other persons.

(b) *Infantile Mortality.* Sixty-nine infants died in Bournemouth during their first year of life. Of these deaths 14 were transferred to other districts. Six infant deaths occurring in other areas were transferred to Bournemouth, the number of infant deaths referred by the Registrar-General to Bournemouth being therefore 61, making an Infantile Mortality of 55.05.

Of the 61 infant deaths, 18 were certified as due to premature birth and 5 to congenital malformations.

The following table gives the rate of Infantile Mortality for the past 10 years :—

1919	1920	1921	1922	1923	1924	1925	1926	1927	1928
87.1	45.3	75.1	56.6	59.8	44.9	52.7	57.6	52.0	55.0

Comparative Infantile Mortality. The Infantile Mortality of the 107 County Boroughs and Great Towns of England and Wales during the year was 70, as compared with the figure of 55.05 for Bournemouth.

(c) *Midwives Act.* During the year 25 midwives notified their intention to practise in Bournemouth, 24 being trained and one untrained.

One hundred and twenty-six records were received concerning the sending for medical assistance by midwives. In 41 of these cases the doctors fees were paid by the Health Authority, the whole of the fee being recovered in four instances and a part of the fee in three others.

(d) *Provision of Milk.* Under the Maternity and Child Welfare Act, 1918, milk was supplied free or below cost to 314 mothers and children during the year, the average daily number receiving milk in this way being 132. The expenditure during the year amounted to £928, as compared with £1,153 during 1927 and £1,082 during 1926. A Government grant of 50 per cent. is received in relief of this as of all other Maternity and Child Welfare expenditure.

(e) *Ophthalmia Neonatorum.* During the year five notifications were received in respect of this inflammation of the eyes. The disposal of the cases and the results are shown in the table below:—

Notified	Cases		Vision Unimpaired	Vision Impaired	Total Blindness	Deaths
	Treated					
	At Home	In Hosp.				
5	1	4*	5	—	—	—

*Includes one notified from and treated in a Nursing Home.

Infant Care Table I.

Births registered (including 71 transferred to Bournemouth from other districts and excluding 185 transferred away from Bournemouth)	1108
Births that occurred actually in Bournemouth	1213
Births notified (97.6 per cent. of births in Bournemouth)	1184

There were also notified 33 still-births, of which 29 were notified by doctors and 4 by midwives.

Infant Care Table 2.

Visits by the Council's Health Visitors.

Mothers and Infants—

First visits	...	...	1024
Re-visits	...	...	3188
Re-visits to children over 1 year of age			4257
Expectant Mothers—			
First visits	...	...	253
Re-visits	...	...	90
Other visits	...	...	122
			8934

Infant Care Table 3.

Work of the Six Centres, Year 1928.

No. of Clinic Sessions held	Attendances			Number of Health Talks given.	Consultations by Doctors	Attendances at Consultation		
	Mothers	Babies	Other Children			Mothers	Babies	Other Children
259	15962	8213	8955	210	259	714	2335	1454

NOTE.—The Castle Lane District Clinic was opened on 5th October, 1928.

Infant Care Table 4.

Comparison of Total Attendances.

YEAR.	ATTENDANCES.			TOTAL.
	Mothers.	Babies.	Other Children.	
1917	3516	1757	2357	7630
1918	3942	1882	2855	8679
1919	4990	2352	3049	10391
1920	7680	4630	3841	16151
1921	9114	5607	4428	19149
1922	8818	4913	4807	18538
1923	9680	5020	6226	20926
1924	12210	5935	7924	26069
1925	12265	6061	7146	25472
1926	13717	6680	8335	28732
1927	14892	7650	8952	31494
1928	15962	8213	8955	33130

During the year 107 Maternity patients and also six Ailing Infants were admitted into Municipal beds in the General Hospital.

INFANT MORTALITY—55.05

Net deaths from stated causes at various ages under one year of age.

Cause of Death.	Under 1 wk.	1-2 weeks.	2-3 weeks.	3-4 weeks.	Total under 4 weeks.	4 weeks and under 3 mths	3-6 months	6-9 months.	9-12 months	Total Deaths under 1 year	
Small-pox ...	—	—	—	—	—	—	—	—	—	—	
Chicken-pox ...	—	—	—	—	—	—	—	—	—	—	
Measles ...	—	—	—	—	—	—	—	—	—	—	
Scarlet Fever ...	—	—	—	—	—	—	—	—	—	—	
Whooping Cough ...	—	—	—	—	—	—	1	—	—	1	
Diphtheria & Croup ...	—	—	—	—	—	—	—	—	—	—	
Erysipelas ...	—	—	—	—	—	—	—	—	—	—	
Tuberculous Meningitis ...	—	—	—	—	—	—	—	—	1	1	
Abdominal Tuberculosis ...	—	—	—	—	—	—	—	—	—	—	
Other Tuberculous Diseases ...	—	—	—	—	—	—	—	—	1	1	
Meningitis (<i>not Tuberculous</i>) ...	—	—	—	—	—	—	1	—	—	1	
Convulsions ...	—	—	—	—	—	—	—	—	—	—	
Laryngitis ...	—	—	—	—	—	—	—	—	—	—	
Bronchitis ...	—	—	—	1	1	1	1	—	1	4	
Pneumonia (all forms) ...	—	—	—	—	—	2	2	—	1	5	
Diarrhoea ...	—	—	—	—	—	—	—	—	—	—	
Enteritis ...	—	—	—	—	—	1	1	—	—	2	
Gastritis ...	—	—	—	—	—	—	—	—	—	—	
Syphilis ...	—	—	—	—	—	—	—	—	—	—	
Rickets ...	—	—	—	—	—	—	—	1	—	1	
Suffocation, overlying Injury at birth ...	3	—	—	—	3	—	—	—	—	3	
Atelectasis ...	1	—	—	—	1	—	—	—	—	1	
Congenital Malformations ...	4	—	—	—	4	1	—	—	—	5	
Premature Birth ...	14	—	1	1	16	2	—	—	—	18	
Atrophy, Debility and Marasmus ...	3	1	2	—	6	4	—	1	—	11	
Other Causes ...	4	—	—	—	4	1	1	1	—	7	
TOTALS ...	29	1	3	2	35	12	7	3	4	61	
Net Births in the year } Legitimate 1012 } Illegitimate 96					Net Deaths in the year } Legitimate 51 } Illegitimate 10						

MATERNITY AND NURSING HOMES.

The following action was taken under Acts relating to the registration of maternity and other nursing homes.

(a) For the period up to the 1st July, 1928, the information refers to action taken under Part II. of the Midwives and Maternity Homes Act, 1926, which has now been repealed, and

(b) For the remainder of the year to action taken in respect of nursing homes generally under the Nursing Homes Registration Act, 1927.

	(a)	(b)
Number of applications for registration	2	51
Number of Homes registered	2	51
Number of orders made refusing or cancelling registration	—	—
Number of appeals against such orders...	—	—
Number of cases in which such orders have been (a) confirmed on appeal and (b) disallowed	—	—
Number of applications for exemption from registration	—	5
Number of cases in which exemption has been (a) granted	—	5
(b) withdrawn	—	—
(c) refused	—	—

The following tables give the statistics for Tuberculosis during 1928 :—

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.

Summary of Notifications during the period from 1st January, 1928, to 29th December, 1928, in the County Borough of Bournemouth.

Age Periods	Number of notifications on Form A.													Number of notifications on Form B.			No. of notifications on Form C.		
	Primary notifications													Total notifications on Form B.	Poor Law Institutions	Sanatoria			
	Total notifications on Form A.																		
	0 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 85	85 to 95	95 to 105	105 to 115	115 to 125	Under 5	510 to 1015	Total	3	7	40
Pulmonary Males	1	2	2	15	20	7	30	18	10	5	3	79	80				3		40
Pulmonary Females	1	2	15	18	33	15	7	3	4			100	107				7		54
Non-Pulmonary Males	1	1	2	1	1	1	1	1				8	8				1		2
Non-Pulmonary Females	2	2	4	2	2	2	1	1				15	15						2

Particulars of cases of Tuberculosis and of all deaths from the disease in Bournemouth during 1928 :—

	New Cases.				Deaths.*			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 year ...	—	1	1	2	—	1	—	1
1—5 years ...	—	—	2	3	—	—	4	5
5—10 „ ...	1	2	1	4	1	—	—	—
10—15 „ ...	4	2	2	3	1	—	1	2
15—20 „ ...	2	15	1	3	4	7	—	2
20—25 „ ...	8	21	1	2	5	8	—	—
25—35 „ ...	31	35	1	—	16	17	1	1
35—45 „ ...	20	20	—	—	11	6	—	—
45—55 „ ...	16	9	1	—	14	7	—	—
55—65 „ ...	7	7	—	1	8	5	—	—
65 and upwards ...	6	9	—	—	7	7	2	—
Totals ...	95	121	10	18	67	58	8	11

*Includes 8 deaths in which Tuberculosis appeared on the death certificate but was not the primary cause of death. Six of these deaths were of cases not notified under the Regulations.

This table includes 60 non-notified deaths. In 32 cases however notification was not required as the patients came to Bournemouth merely for sanatorium or institution treatment, and were therefore classified as “visitors.”

The non-notified deaths accordingly numbered 28, or 19.44 per cent. of the total of 144 deaths from Tuberculosis.

The first intimation received concerning these 28 cases was from the death returns, and the attention of the private practitioner concerned was called to his omission in each case.

Location of Non-pulmonary Tuberculosis in the patients of all ages who were notified :—

LOCATION.				Male	Female	Total.
Disease of Bones and Joints	...	...	...	1	2	3
Disease of Genito-Urinary System	...	...	...	3	1	4
Abdominal Disease	...	...	...	—	2	2
Disease of Glands	...	...	...	3	6	9
Disease of other parts	...	...	...	1	4	5
Totals				8	15	23

TUBERCULOSIS DISPENSARY.

During the year 1928 the Dispensary was open on 151 afternoons. Four hundred and fourteen patients attended, the average number of attendances per patient throughout the year being 2.74.

The total number of attendances of patients was 878 as follows :—

Adults, male	...	...	...	235
Adults, female	...	...	...	347
Children, male	...	...	...	174
Children, female	...	...	...	122
				878

Average attendance per session, 5.8 patients.

SANATORIA.

Early and Observation Cases :—

Adult Bournemouth patients who received treatment during 1928 in :	No. of Patients.	No. of Patient Days.
Royal National Sanatorium, Bournemouth ...	82	7730
Royal National Hospital, Ventnor ...	2	196
Children sent to :		
St. Catherine's Home, Vent- nor ...	1	25
Children's Sanatorium, Har- penden ...	16	2519

Advanced Cases :

Adult Bournemouth patients who received treatment in :		
Firs Home, Bournemouth	22	3497
Royal Victoria & West Hants Hospital, Bournemouth	1	61

Surgical Cases :

Bournemouth patients who received treatment in :		
Royal Victoria and West Hants Hospital, Bourne- mouth :—		
Adults ...	12	918
Children ...	6	256
All Saints' Hospital, London :		
Adults ...	2	40
Lord Mayor Treloar Cripples Hospital, Alton—		
Children ...	6	1040
Victoria Home for Crippled Children, Bournemouth	3	891
Totals ...	153	17173

The actual number of Bournemouth patients who received treatment in institutions during 1928 was 143.

Of these, 7 were "observation" cases in which a diagnosis of Tuberculosis was not established; 74 suffered from Tuberculosis of the Lungs in an early stage; in 21, the disease was advanced; and in 24 the tuberculosis was not pulmonary. Included in this total are 8 Ex-service Men whose Tuberculosis was attributed to military service.

Of the 17 children who received Institution treatment, 11 were in delicate health and regarded as pre-tubercular patients, and 6 suffered from Tuberculosis of the lungs.

The number of deaths that occurred from Tuberculosis of the Lungs during the year was 96. On the Registrar-General's estimate of the population of 96,580, this gives a rate of .99 per thousand, while on the population for the year 1928 based on my estimate the rate is .91 per thousand.

No action was taken under the Public Health (Prevention of Tuberculosis) Regulations, 1925, or under the Public Health Act, 1925, Section 62.

INFECTIOUS DISEASE.

One hundred and sixty-three cases of Scarlet Fever were notified during the year. One death occurred among these patients.

Eighty-one cases of Diphtheria were notified, of whom three died.

BOURNEMOUTH MUNICIPAL HOSPITAL.

During the year 245 cases were admitted into the Hospital. Of these, 241 were Bournemouth patients, and four were admitted from without the County Borough. The following table refers to Bournemouth patients:—

Hospital Table No. 1

Diphtheria	...	...	...	...	78
Scarlet Fever	...	...	...	...	141
Erysipelas	...	...	...	...	4
Measles	...	...	...	...	9
Enteric Fever	...	...	...	...	1
Diphtheria Observation Cases	...	...	...	...	8
Total					241

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

Diphtheria	...	...	2
Scarlet Fever	...	...	1
Cerebro-Spinal Meningitis	...	...	2
Measles	...	...	1

The average number of patients in the Hospital per day during the year was 26.02.

CASES OF INFECTIOUS DISEASE WHICH OCCURRED DURING 1928.

NOTIFIABLE DISEASE	NO. OF CASES NOTIFIED								CASES REMOVED TO HOSPITAL
	At all Ages	At Ages—Years							
		Under 1	1 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	
Diphtheria (including Membranous Croup)	81	—	12	53	7	8	1	—	78
Erysipelas	18	—	1	2	—	2	8	5	7
Scarlet Fever	163	—	29	97	18	16	3	—	141
Enteric Fever (including Para-Typhoid)	3	—	—	1	1	—	1	—	1
Ophthalmia Neonatorum	5	5	—	—	—	—	—	—	2
Pneumonia	54	1	3	9	10	17	9	5	3
Chicken Pox	211	1	30	133	37	6	3	1	1
Encephalitis Lethargica	7	—	—	—	—	2	3	2	1
Puerperal Fever	1	—	—	—	—	1	—	—	1
Puerperal Pyrexia	8	—	—	—	2	6	—	—	7
Poliomyelitis	6	1	2	2	1	—	—	—	1
Malaria	1	—	—	—	—	1	—	—	—
	558	8	77	297	76	59	28	13	243

BOURNEMOUTH DEATHS FROM PRINCIPAL NOTIFIABLE INFECTIOUS DISEASES.

Year.	Small Pox.	Diphtheria	Scarlet Fever	Enteric Fever	Puerperal Fever	Erysipelas	Total	Deaths per 1,000 population
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
1922	0	3	0	1	3	0	7	0.07
1923	0	1	2	0	2	0	5	0.05
1924	0	3	0	2	0	0	5	0.05
1925	0	9	0	0	0	1	10	0.11
1926	0	1	1	1	0	0	3	0.03
1927	0	4	0	0	1	0	5	0.05
1928	0	3	1	1	3	1	9	0.09

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
		£ s. d.	£ s. d.	£ s. d.	£ s. d.	
1919	40.9	0 9 3 $\frac{1}{4}$	0 2 0 $\frac{1}{2}$	591 18 8	6915 0 10	*220
1920	46.43	0 11 2 $\frac{1}{4}$	0 3 6 $\frac{1}{2}$	1277 1 8	8278 12 10	*218
1921	49.82	0 9 8 $\frac{1}{4}$	0 1 8 $\frac{1}{2}$	1130 0 11	7679 10 9	182
1922	47.24	0 7 9 $\frac{1}{4}$	0 1 5 $\frac{1}{4}$	961 19 5	5767 11 1	*196
1923	45.32	0 7 9 $\frac{1}{4}$	0 1 4 $\frac{1}{4}$	1057 7 10	5420 10 9	224
1924	49.10	0 7 1 $\frac{1}{4}$	0 1 2 $\frac{1}{4}$	844 4 7	5592 5 10	229
1925	48.52	0 6 9 $\frac{1}{4}$	0 1 2 $\frac{1}{4}$	419 9 8	5623 11 9	230
1926	39.25	0 8 8	0 1 3 $\frac{1}{4}$	336 13 0	6221 18 8	137
1927	34.67	0 9 7 $\frac{1}{4}$	0 1 1 $\frac{1}{4}$	233 7 8	6096 15 1	147
1928	46.99	0 8 4 $\frac{1}{4}$	0 1 0 $\frac{1}{4}$	511 19 4	6694 10 8	245

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

Hospital Table No. 4.

Statement of Stock and Loans relating to Land and Buildings in connection with the Sanitary Hospital, 31st March, 1928.

Amount originally sanctioned	Amount originally borrowed		Amount un- deemed at comm'nceme't 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							Stockholders
3900 0 0	2708 12 7	1182 12 0						"
1000 0 0	608 9 0	389 6 4						"
1265 0 0	1097 0 1	164 9 0						"
4200 0 0	4004 9 9	84 0 0						"
650 0 0	607 2 7	26 0 0						"
160 0 0		160 0 0						"
375 0 0	250 0 0	125 0 0	226 11 10		226 11 10	82 3 9	144 8 1	"
155 0 0	121 0 0	34 0 0	114 13 5		114 13 5	22 4 3	92 9 2	"
17 9 7	17 9 7		16 2 4		16 2 4	4 18 2	11 4 2	"
3800 0 0		3800 0 0	1320 0 0		1320 0 0	460 7 11	859 12 1	"
475 0 0		475 0 0	179 0 0		179 0 0	55 4 10	123 15 2	Mortgagees
7000 0 0		7000 0 0	4400 0 0		4400 0 0		3743 8 10	"
444 0 0		416 18 0						"
1750 0 0	1750 0 0		1575 0 0		1575 0 0	97 15 0	1477 5 0	Stockholders
550 0 0		550 0 0	467 10 0	55 0 0	412 10 0		412 10 0	Nat. Prov. Bk.
2110 0 0		2110 0 0	2070 0 0		2070 0 0	42 6 6	2027 13 6	Stockholders
400 0 0		400 0 0	400 0 0		400 0 0	14 3 0	385 17 0	"
29651 9 7	14669 10 3	14807 5 4	10768 17 7	55 0 0	10713 17 7	1435 14 7	9278 3 0	
		29476 15 7						

Causes of Death at Different Periods of Life in the County Borough of Bournemouth during the year 1928

Causes of Death	Net 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 under 75 years	75 and upward
All Causes	1312	61	7	7	22	36	92	325	329	433
Enteric Fever	1	...	...	...	...	...	...	1	...	...
Small Pox ... ..	...	...	...	...	...	...	...	...	...	...
Measles	3	...	1	2	...	...	...	...	...	...
Scarlet Fever	1	...	...	...	...	1	...	...	...	...
Whooping Cough	2	1	...	...	1	...	...	...	...	...
Diphtheria	3	...	...	...	2	...	1	...	...	...
Influenza	19	1	...	...	...	...	2	4	7	5
Encephalitis Lethargica	4	...	...	...	...	...	1	2	1	...
Meningococcal Meningitis ... ..	...	...	...	...	...	...	...	...	...	...
Tuberculosis of Respiratory syst.	96	...	...	...	2	14	37	29	11	3
Other Tuberculous Diseases	16	2	4	1	2	2	1	2	...	2
Cancer, Malignant Disease	219	...	...	...	...	3	10	82	65	59
Rheumatic Fever	5	...	...	...	2	2	...	...	...	1
Diabetes	16	...	...	...	...	...	1	2	9	4
Cerebral Haemorrhage, &c.	77	...	...	...	...	...	1	14	21	41
Heart Disease	255	...	...	...	...	4	1	48	74	128
Arterio-sclerosis	82	...	...	...	...	...	...	15	31	36
Bronchitis	33	4	...	...	1	...	1	5	5	17
Pneumonia (all forms)	47	5	1	1	1	1	3	12	10	13
Other Respiratory Diseases	15	...	...	1	...	...	1	7	1	5
Ulcer of Stomach or Duodenum	13	...	...	...	...	...	3	4	4	2
Diarrhoea, &c.	7	2	1	1	...	...	...	1	1	1
Appendicitis and Typhlitis	9	...	...	...	1	1	2	1	3	1
Cirrhosis of Liver	10	...	...	...	...	...	...	5	3	2
Acute & Chronic Nephritis	59	...	...	...	1	1	...	16	20	21
Puerperal Sepsis	3	...	...	...	...	...	3	...	...	...
Other accidents and Diseases of Pregnancy & Parturition	2	...	...	...	...	...	2	...	...	...
Congenital Debility & Malformation, premature Birth	39	38	...	...	...	...	...	1	...	...
Suicide	16	...	...	...	...	1	2	10	2	1
Other Deaths from Violence	35	...	...	1	3	5	3	7	9	7
Other defined Diseases	223	8	...	...	6	1	17	55	52	84
Causes ill-defined or unknown	2	...	...	...	...	...	...	2	...	...

BACTERIOLOGY.

The following table has been completed by Dr. A. C. Ingram, Borough Bacteriologist, indicating the examinations carried out for the Health Department and Hospital.

SANITARY HOSPITAL.

Swabs re Diphtheria, etc.	...	...	...	480
Sundries ...	...	...	...	4

HEALTH DEPARTMENT.

Swabs re Diphtheria, etc.				
per M.O.H.	...	...	...	211
per Private Practitioners	...	...	...	193
Sputum Specimens re Tuberculosis—				
per Municipal Dispensary	...	...	...	130
per Private Practitioners	...	...	...	79
Milk Samples re Tuberculosis	...	...	...	52
do General Examination	...	...	...	52
Ice Cream Samples re Sundry Contaminations			...	18
				—
			Total	1219
				—

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, 1928.

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	23	14	37
Suffering from Gonorrhoea	70	29	99
Not suffering from Venereal Disease ...	21	15	36
Soft Sore ...	—	—	—
			172

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

Treatment for Syphilis ...	4	—	4
Treatment for Gonorrhoea	28	11	39
			43

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

Syphilis ...	11	10	21
Gonorrhoea ...	17	8	25
			46

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

Suffering from Syphilis	672	405	1077
Suffering from Gonorrhoea	703	280	983
Not found to be suffering from Venereal Disease	82	52	134
			2194

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

Suffering from Syphilis	42	63	105
Suffering from Gonorrhoea	36	117	153
Not found to be suffering from Venereal Disease	—	—	—
			258

Number of persons treated with Salvarsan substitute ...			53
Number of doses of Salvarsan substitute used in Treatment Centre			581

EXAMINATION OF PATHOLOGICAL MATERIAL.

Number of specimens which were examined :—

For persons attending at the Treatment Centre :—

For detection of Spirochetes ...	...	6
For detection of Gonococci ...	...	842

From persons attended by private medical practitioners :—

For detection of Gonococci	31
--------------------------------	-----	----

Number of specimens which were sent for examination to an independent laboratory for Wassermann Reaction :—

From persons attending at the Treatment Centre	...	...	210
From persons attended by private medical practitioners	...	...	153

Salvarsan approved substitutes supplied to medical practitioners :—

Doses	140
-------	-----	-----	-----	-----	-----

Number of specimens which were sent for examination to an independent laboratory for Wassermann reaction:—

From persons attending at the General Hospital Treatment Centre	210
From persons attended by private medical practitioners	158

Salvarsan approved substitutes supplied to medical practitioners:—

	Doses	
Suffering from Syphilis	42	63
Suffering from Gonorrhoea	56	71
Not found to be suffering from Venereal Disease	—	—
		312

Number of persons treated with Salvarsan substitute	63
Number of cases of Salvarsan substitute used in Treatment Centre	185

EXAMINATION OF PATHOLOGICAL MATERIAL

Number of specimens which were examined:—

For persons attending at the Treatment Centre	—
For detection of Syphilis	3
For detection of Gonorrhoea	248
From persons attended by private medical practitioners	—
For detection of Gonorrhoea	11

COUNTY BOROUGH OF BOURNEMOUTH.

SANITARY INSPECTOR'S DEPARTMENT.

Town Hall,

Bournemouth.

17th May, 1929.

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

Mr. Mayor and Gentlemen,

I beg to submit for your consideration the Annual Report upon the work carried out by this Department during the year ending 31st December, 1928.

RE CINEMAS AND PICTURE PALACES.

The special arrangements made under your authority for the regular disinfecting of these premises by the public disinfector once a fortnight has been continued throughout the year, and the cost of his time and materials has been defrayed by the proprietors.

Inspections have also been made of these premises with regard to the provision for sanitary conveniences, lighting and ventilation and reports submitted to the Finance Committee on application for the renewal of licences.

THE FACTORY AND WORKSHOPS ACT,
1901-1907.

The total number of workshops and work-places now registered in the Borough is 723, a decrease of eight on that of last year.

During the year 22 new workshops have been registered, 26 workrooms have been measured and 26 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 report that in every instance the nuisance has been abated without resort to legal action.

During the year 1,797 inspections have been made.

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	84	84
Kitchens of Hotels and Restaurants	137	137
Dressmakers and Milliners	67	198
Tailors	93	114
Bootmakers and Saddlers	109	112
Laundries	52	101
Carpenters and Builders	72	76
Cabinetmakers and Upholsterers	45	58
Coachbuilders and Motor Works	32	44
Watchmakers and Jewellers	28	30
Metal Workers	32	48
Cycle Builders and Motor Works	66	71
Miscellaneous	27	45
	<hr/> 723	<hr/> 897

BAKEHOUSES.

Of the 84 bakehouses occupied in the Borough three 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.) for use as bakehouses.

During the year six bakehouses have been added to, and one deleted from the Register.

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 seventy-three visits have been made to these premises during the year.

KITCHENS OF HOTELS AND RESTAURANTS.

One hundred and thirty-seven premises have been inspected and special attention has been given to the cleanliness of the larders, tables and cooling utensils, and these have been found to be satisfactory.

HOMEWORK.

During the year 64 lists containing the addresses of 128 "Outworkers" have been received.

Twenty-two 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.

Two addresses were received from outside Authorities.

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

REGISTRIES FOR FEMALE AND DOMESTIC SERVANTS.

The number of premises on the Register at the end of the year was 30, an increase of one on that of last year.

Fifty eight surprise visits have been made from time to time to the premises, for the purpose of enforcing the provision of the Bye-Laws relating thereto.

SHOPS ACT, 1912.

The total number of shops on the Register at the end of the year was 2,837, an increase of 206 on that of last year.

During the year 3,488 visits have been made to shops in the Borough under the Act.

In 77 instances the exempted trade notices under the record schedule, and in 40 instances the assistants weekly half holiday notice, under Section 1, and in 37 instances the young persons notice under Section 2 were not found to be affixed as required by the Act.

In all instances a verbal warning was sufficient, the requirements being subsequently complied with.

Sixty-seven warning notices re the sale of celluloid articles were delivered.

Fifty-six special inspections have been made with regard to the sale of non-exempted goods on the half day closing. In one case proceedings were taken, and a fine of 5/- including costs was imposed.

Seventy special inspections have been made with regard to the Order of Shops Early Closing Act, 1920, and the Shops (Hours of Closing) Act, 1928.

In 29 instances letters of warning were considered sufficient.

Each new shop opened in the Borough during the past year has been supplied with a copy of the extracts of the Shops Act, 1920.

Two hundred and fifty shops have been visited with regard to the employment of young persons, and in no instance was it found necessary to take statutory proceedings.

Three hundred and forty-nine copies of the Shops (Hours of Closing) Act, 1928 which came into force on August 3rd, 1928, have been delivered.

SUMMARY OF SHOPS ON REGISTER.
31st December, 1928.

BUSINESS.	No. of Shops on Register	EARLY CLOSING DAY.						No which do Not Close
		Mon	Tue	Wed	Th	Fri	Sat	
Grocery & Provision Dealers...	320	12	8	274	14	—	12	—
Greengrocers, Fruiterers & Florists ...	246	7	220	220	8	—	—	11
Bootsellers and Repairers ...	168	5	4	139	6	—	14	—
Tailors and Outfitters...	109	—	—	82	—	—	27	—
Butchers ...	135	12	—	113	—	—	10	—
Drapers, Milliners & Dressmakers ...	168	4	2	134	—	3	25	—
Furniture Dealers ...	118	—	4	93	3	—	18	—
Toys, Newspapers, Tobacco & Sweet Dealers ...	216	4	8	98	5	—	—	101
Bakers ...	89	—	—	72	—	—	—	17
Dairies ...	45	—	—	34	—	—	—	11
Motor and Cycle Dealers ...	99	—	—	67	—	—	17	15
Fish and Poultry Dealers ...	68	3	—	47	—	—	—	18
Jewellers and Watchmakers ...	78	—	—	60	—	—	18	—
Refreshment Dealers ...	56	—	—	5	—	—	—	51
Sweets and Confectionery ...	129	—	—	56	—	—	—	73
Photographers ...	38	2	—	27	—	—	9	—
Chemists ...	69	—	—	57	—	—	12	—
Hairdressers ...	86	—	—	71	—	—	15	—
Fancy Dealers ...	55	—	—	43	—	—	12	—
Saddlers and Trunkmakers ...	27	—	—	22	—	—	5	—
Booksellers and Stationers ...	68	—	4	54	—	—	10	—
Ironmongers ...	58	2	—	44	—	—	12	—
Coal and Corn Dealers ...	46	—	—	36	—	—	10	—
Wardrobe Dealers ...	30	—	2	25	2	—	1	—
Glass and China Dealers ...	29	—	—	24	—	—	5	—
Off License Houses ...	47	2	4	33	—	—	5	3
Miscellaneous ...	121	—	—	72	—	—	49	—
Number of Shops on Register ...	2718	53	36	2022	38	3	286	300
Empty Shops in Borough ...	119	—	—	—	—	—	—	—
Total No. of Shops in Borough ...	2837							

DAIRIES, COWSHEDS AND MILKSHOPS ORDERS.

To enforce the regulations relating to cleanliness, limewashing and general sanitation, 1,662 inspections have been made of cowsheds, dairies and milk purveyors' premises in the Borough.

Visits to Dairies	...	771
Visits to Milkshops	...	822
Visits to Cowsheds	...	69
		1662

The half-yearly limewashing of premises was in every instance carried out after notice had been given by your Inspector. There are now only four cowsheds in the Borough.

MILK AND DAIRIES ORDER, 1926.

No. of producers (residing outside the Borough) who have been registered to sell by retail in the Borough	... ..	8
No. of producers (residing in the Borough) who have been registered both as producers and as retailers	... ..	4
No. of producers (residing in the Borough) who have been registered to sell by whole-sale only	... ..	1
No. of shop proprietors, etc., who have been registered as retail purveyors of milk	... ..	126

Milk (Special Designations) Order, 1923.

On the 31st December, 1928, there were in the Borough ten premises licensed for the sale of graded milk which in each instance was obtained from licensed producers of "Certified" Milk. Eight of these premises are also licensed for the sale of "Grade A."

GENERAL INSPECTION OF FOOD SUPPLIES.

During the year 11,879 visits have been made to shops in the Borough for the inspection of Meat and Food Supplies, and with regard to the cleanliness of the premises and stores.

Periodical and regular inspections of the Meat Supplies form an important part of the Food Inspectors' duties, as shown by the appended tables.

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.

There are seven wholesale meat stores and the provisions as to the cartage and storage of carcasses and clothing of the employees are being complied with.

Of the 126 retail shops, 58 are provided with sash windows, 45 with fixed windows and permanent means of ventilation, and 23 with shutters. During the last year seven old shops have been altered and supplied with the approved new sash window fronts or fixed fronts.

Of the 23 shops still supplied with the ordinary movable shutters the majority are small shops and not in the main thoroughfares, and from the inspections made, it has not been found necessary to take statutory action. The proprietors of the few shops with open fronts in the main thoroughfares, take the precaution to have the glass shutters up, on occasions as circumstances require, and the Inspectors are giving these shops special attention.

The provisions as to the removal of trade refuse, cleanliness of refrigerating plant, stores and trade implements, are being carried out satisfactorily.

General Provision Shops and Grocers' Shops.

The regulations relating to these shops have been enforced and the details as to general arrangements entered up in the revised register.

Bacon Stores, where necessary, have been cleansed and limewashing carried out as required.

There are 283 of the above shops in the Borough, 191 have fixed fronts, 28 have sash windows, 47 have partly fixed and partly sash window fronts.

Fishmongers.

There are 62 retail fish shops in the Borough, 25 of which retail fried fish. The details have been entered and the register revised up-to-date. The special late collections of fish offal on Saturday night at the larger shops is much appreciated.

Fruiterers and Greengrocers' Shops.

There are 179 of these shops in the Borough, and improvements as to the storage accommodation, removal of trade refuse and general cleanliness of premises have been enforced, due to the result of more frequent inspections now possible.

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

Butchers' Meat (diseased)	3,751 lbs.
Butchers' Meat (unsound)	7,387 "
Fish	2,044 "
Fruit	518 "
Vegetables	361 "
Cases of Eggs (Liquid)	891 "
Tinned Food	858 "

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

Butchers' Premises	5,493 visits
Fishmongers' and Poulterers'	2,681 "
Greengrocers'	2,118 "
Grocers'	1,003 "
Ice Cream Vendors' Premises	96 "
Hawkers' Carts	467 "
Stalls	21 "

SLAUGHTERHOUSES.

There are five slaughterhouses in the Borough, at each of which the Regulations as to periodical limewashing, cleansing, etc., have been carried out. Eight hundred and forty-nine inspections have been made of these premises during the year.

The number of animals slaughtered during the year is as follows :—

Beasts	482
Sheep	6694
Calves	2697
Pigs	3143
	<hr/>
	13016
	<hr/>

The frequent inspections of the Pork Shops clearly prove that it is essential, both in the interests of the Public Health and the Pig Trade generally, to examine carefully all carcasses before exposing them for sale.

The Bye-laws with respect to Slaughter Houses were revised and adopted in July, 1926, by which it is provided that all animals shall be effectually stunned with a mechanically operated instrument previous to slaughter.

Offensive Trades.

Bye-laws for the regulation of Offensive Trades were adopted by your Authority in October, 1926. Under these Bye-laws it is possible to supervise and control special trades, dealing with rag and bone dealers, fish friers, etc. There are now 25 premises registered for fish frying purposes. The conditions as to the class of fish, frying ingredients and cleanliness of premises are satisfactory.

Regular and periodical inspections have been made to these premises with a view to the enforcement of the Bye-laws as follows:—

Visits to gut scrapers	...	136
Visits to tripe boilers	...	30
Visits to rag and bone dealers		28
Fried fish shops	... ..	859

It is satisfactory to report that the necessary alterations and works in each of these trades have been carried out, on Preliminary Notices being served from the Department, and in no case has it been necessary to take statutory proceedings under the Regulations.

THE FERTILISERS AND FEEDING
STUFFS ACT.

No applications for samples to be analysed have been received during the year.

SALE OF DISEASED PLANTS, 1927.

Special enquiries have been made when the routine inspections were in hand, but no official action was found necessary to enforce the provisions of the Orders relating to the sale of Diseased Plants.

PRIVATE SCHOOLS.

The total number of Private Schools in the Borough is 43, comprising 146 classrooms, and the average number of scholars in attendance at these schools is 1,780.

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.

PUBLIC SCHOOLS.

The sanitary conveniences of the public Elementary Schools have also received systematic attention from the Drain Testers who are responsible for the daily cleansing and disinfection of all the fittings etc. The conveniences are thus maintained in a cleanly condition, and the scholars are induced to make proper use of them.

WART DISEASE IN POTATOES.

Two cases of Wart Disease were reported during the year.

RAG AND FLOCK ACT REGULATIONS.

Inspections during the year have been made of the premises where flock is used for manufacture of bedding, upholstering, etc. There has been a great increase in the number of small workshops where bedding is re-made and these premises have received special attention during the year.

HOUSING CONDITIONS.

STATISTICS.

Year ended 31st December, 1927.

I.—GENERAL.

(1)	Census population (1921)	...	...	...	91,770
(2)	Estimated population (1928)	...	...	(R.G.)	96,580
(3)	General death-rate	...	...	..	13.58
(4)	Death-rate from tuberculosis	...	...	..	.99
(5)	Infantile mortality	...	...	...	55.05
(6)	No. of dwelling-houses of all classes (1921—17,540))	...	...	...	22,239
(7)	No. of working-class dwelling houses (approx.)...	...	...	...	10,834
(8)	No. of new working-class houses erected	...	...	...	230
(9)	No. of new dwelling-houses erected	...	...	...	276
(10)	No. of new lock-up shops and workshops and alteration to premises and drainage, etc.	...	...	...	357

II.—UNFIT DWELLING-HOUSES.

I.—Inspection.

(1)	Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	...	1,254
(2)	No. of dwelling-houses which were inspected and recorded under the Housing (Consolidation) Regulations, 1925...	...	629
(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	...	191

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	514
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III.—Action under Statutory Powers.

(A) Proceedings under Section 3 of the Housing Act, 1925	—
(1) No. of dwelling-houses in respect of which notices were served requiring repairs	4
(2) No. of dwelling-houses which were rendered fit	
(a) by owners	4
(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	—
(B) Proceedings under Public Health Acts.	
(1) No. of dwelling-houses in respect of which notices were served requiring defects to be remedied	106
(2) No. of dwelling-houses in which defects were remedied	
(a) by owners	85
(b) by Local Authority in default of owners ...	Nil
(C) Proceedings under Section 11, 14 and 15, of the Housing Act, 1925	—
(1) No. of representations made with a view to the making of Closing Orders	—
(2) No. of dwelling-houses in respect of which Closing Orders were made	—
(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 (1) Part I., or (b) 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, etc., Act, 1919 Nil

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

General supervision of new houses in course of erection, contracts, etc.	} Borough Engineer and Deputy Borough Architect.
Plans and designs	
Selection and supervision of tenants	} Chief Sanitary Inspector.
General supervision and repairs to properties	
Rent Collection	Borough Treasurer.

DISTRICT SANITARY INSPECTORS' SUMMARY OF WORKS.

1.—NUISANCES.

	District				Ttl.
	No. 1	No. 2	No. 3	No. 4	
Complaints received and attended to	182	145	132	147	625
Number of nuisances detected... ..	123	106	121	76	444
Number of nuisances abated	120	94	96	69	379
Visits <i>re</i> abatement of nuisances	439	278	460	486	1663
General Inspections of Districts	—	22	48	26	96
Number of nuisances detected	—	12	25	7	44
Number of nuisances abated	—	12	26	4	42
Nuisances outstanding Dec., 1927	5	3	11	6	25
Ditto, 1928	5	9	19	6	39
Complaints attended to <i>re</i> Cesspools	30	309	—	—	339
Piggeries Visited	6	21	—	—	27

Districts re-arranged, April, 1927. There are now four Districts under the supervision of the Senior District Inspector and four District Inspectors.

2.—INFECTIOUS DISEASE.

Enquiries made for Reports to M.O.H.	61	96	31	77	265
Nuisances detected and abated	1	—	—	14	15
Nuisances outstanding	—	—	—	—	—
Total No. of Visits	95	122	32	107	356
School notices sent	76	56	7	23	152

3.—DISINFECTION.

No. of rooms after notifiable disease	74	100	38	70	282
Total No. of books disinfected	14	33	—	20	67
No. of rooms after Phthisis	45	27	6	23	101
No. of rooms after non-notifiable disease	96	29	82	39	246
No. of verminous rooms disinfected	—	13	10	—	23
Places of entertainment	89	5	5	3	102

4.—NEW BUILDINGS.

Water tests	405	384	200	138	1127
Number of re-tests	42	30	9	14	95
Smoke tests	250	382	76	102	810
Number of re-tests	7	80	3	15	105
Total visits	653	934	433	316	2336
Number of reports made to B. I. <i>re</i> details of defects ascertained	50	165	7	32	254

5.—PRIVATE INSPECTIONS.

Premises Inspected and Tested	36	15	69	32	152
Subsequent Water Tests	11	6	38	2	67
" Smoke	4	17	52	4	77
Visits <i>re</i> Supervision of Works	189	45	221	94	549
Total Visits	241	93	390	137	861
Reports outstanding Dec. 31st, 1927	2	2	12	2	18

SUMMARY OF DISINFECTATION AT SANITARY HOSPITAL

6.—NOTIFIABLE DISEASE.

No. of Articles removed from Dwellings	...	...	...	139
" " Disinfected at Hospital	...	...	...	6125
No. of Wards	...	...	...	159
No. of Times drains flushed at Hospital	...	...	...	119
Special Visits by Inspector	...	...	...	20

7.—NON-NOTIFIABLE DISEASE.

No. of Articles Disinfected after Phthisis	...	...	...	822
" " " " " other non-notifiable Diseases	...	...	...	1836
Special Visits by Inspectors	...	...	...	179
No. of Verminous Articles disinfected	...	...	...	248
No. of Verminous Articles and other Articles destroyed	...	...	...	734

8.—MISCELLANEOUS.

	District				Ttl.
	No. 1	No. 2	No. 3	No. 4	
House-to House Inspections and Re-inspections	629
Visits to Schools	69
Visits to places of entertainment (renewal of licences, etc.)	36

9.—EXTRAORDINARY DUTIES.

- 1.—5 Ponds were sprayed with a paraffin preparation for the eradication of insect pests during the summer months.
- 2.—12 special visits were made to Tents, Vans, Sheds and similar structures used as dwelling-houses.
- 3.—35 General inspections were made for the detection of smoke nuisances.

COMMON LODGING HOUSES.

There is only one registered Common Lodging House in the Borough. The general supervision of common lodging houses is under the control of the Police.

BATHING STATION.

There has been a marked decline in the number of persons receiving treatment for Scabies, etc., only a few baths having been administered during the year 1928 from the School Clinics.

REPORTS ON INFECTIOUS CASES.

(Include Observation Cases).

Scarlet Fever ...	37	66	25	39	167
Diphtheria ...	24	33	1	21	79
Erysipelas ...	7	2	4	5	18
Cerebro Spinal Meningitis ...	2	—	—	—	2
Typhoid ...	1	—	—	2	3
	—	—	—	—	—
	71	101	30	67	269
	—	—	—	—	—
Houses with defects ascertained	3	—	—	6	18

During the year 269 Reports (see above table) have been made to the Medical Officer of Health upon notified and suspected Infectious Cases. The sanitary arrangements and drainage of the premises occupied by the patients have been examined and tested, and four Preliminary Notices have been served on the owners or occupiers of these premises calling upon them to abate the nuisances ascertained. These notices have been satisfactorily complied with.

CESSPOOL DRAINAGE.

WINTON AND MOORDOWN DISTRICT.

No. of Cesspools emptied	...	309
No. of loads of sewage removed	...	614
		(460,500 galls.)
No. of Cesspools condemned and filled in	... ..	1

There are now 168 houses with cesspool drainage and 27 with the pail-closet system, and these are situated principally in the outlying parts of Moor-down, Charminster and Redhill, and in roads that cannot at present be sewerred owing to the existing level of sewers.

CHARMINSTER ROAD (HOUSING) SCHEME.

No. of loads of sewage removed from the large cesspool receiving the drainage of these houses, 1,107 (approximately 830,250 gallons).

The new "Dennis" motor exhaust cesspool emptier has been most useful in the removal of sewage by day and the work can be more satisfactorily and expeditiously carried out. The cart has also been used for sewer flushing in the drier months of the year.

POKESDOWN DISTRICT.

No. of cesspools emptied ...	...	30
No. of loads of sewage removed ...	...	56½
No. of cesspools filled in ...	...	1

There are now 19 houses with cesspool drainage and eight with pail-closet system in the districts of Tuckton and Wick.

PIGGERIES.

WINTON AND MOORDOWN DISTRICT.

No. of Piggeries ...	...	8
No. of pigs kept at last inspection (approx.) ...	...	54
No. of visits to Piggeries ...	...	21
No. of complaints received and nuisances abated ...	...	Nil
No. of Piggeries removed during the year ...	...	1

The eight piggeries in this district are kept in accordance with the Bye-Laws.

POKESDOWN DISTRICT.

No. of Piggeries	...	...	3
No. of pigs kept at last inspection (approx.)	...	...	205
No. of visits to Piggeries	...	...	6
No. of complaints received and nuisances abated	...	...	Nil

All the piggeries in this district are kept in accordance with the Bye-Laws.

PUBLIC MORTUARY.

From 1st January to the 31st December, 1928, the total number of Inquests held was 77, and that of Post-mortems was 83.

In 39 instances no cause of death was certified to this department.

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

	£	s.	d.
1. Proportion of Attendants' wages for cleansing and attendance at Inquests and Post-Mortems, including fees	89	0	8
2. Gas from December, 1927, to December, 1928, including upkeep of burners	8	5	8
3. Disinfectants, Soap, Laundry, Gloves, etc.	3	13	9
	<hr/>		
	£101	0	1
	<hr/>		

CERTIFIED CAUSES OF DEATH.

Asphyxia	...	...	...	2
Anteny, Ruptured Pulmonary			...	1
Brain, seizure of	...	...	...	1
Burns	...	...	...	2
Coal gas poisoning	...	...	...	10
Drowning	...	...	...	3
Embolism, pulmonary		...	...	1
Epileptic fit	...	...	...	1
Haemophysis	...	...	...	1
Haemorrhage	...	...	...	8
Heart Failure	...	...	...	8
Mitral disease	...	...	...	1
Fatty degeneration of	...	...	...	3
Myocarditis	...	...	...	1
Aortic disease	...	...	...	1
Inattention at birth	...	...	...	1
Laceration of the brain		...	...	3
Poisoning	...	...	...	3
Pneumonia	...	...	...	3
Pulmonary Oedema	...	...	...	1
Skull fractured	...	...	...	13
Shock	...	...	...	6
Spleen, ruptured	...	...	...	1
Thigh, fractured	...	...	...	1
Tuberculosis	...	...	...	1
Uraemia	...	...	...	1
				—
	Total	...	...	78
				—

HOTEL SANITARY CONVENIENCES.

The arrangements for the daily cleansing by the drain testers of the public Conveniences at Hotels and Public Houses continue to work satisfactorily.

CORPORATION PUBLIC CONVENIENCES.

Expenses in connection with the Public Conveniences from December, 1927, to December, 1928, are as under :—

	£	s.	d.
Repairs to Conveniences ...	381	4	1
Wages paid to attendants, etc. ...	3092	5	6
Gas and Water and Hire of Meters and Automatic Controllers	429	16	2
Materials (disinfectants, soap, brushes, laundry, works, etc.)	326	17	0
Total Expenditure ...	4230	2	9
By Total Receipts ...	5053	10	0
To Total Expenditure ...	4230	2	9
Balance, being excess of Receipts over Expenditure ...	823	7	3

Note.—The above expenses represent only the charges against Revenue.

Statement of Receipts from Public Conveniences

Convenience	Jan.			Feb.			March			April			May		
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
Knyveton Gardens Lawn															
Tennis		2	11		1	9		2	1		3	7		4	6
Westbourne, Ladies'	3	2	7	3	9	3	4	19	6	5	0	5	4	13	5
Westbourne, Gents'	2	13	6	1	18	7	2	12	5	2	8	1	3	4	1
Poole Hill	1	19	7	1	12	0	2	4	2	2	10	3	2	14	2
Triangle	2	13	5	1	18	11	2	15	10	2	11	11	2	17	7
Talbot Hotel		19	6		12	10		13	9	1	2	6		15	10
Westover Road—															
Ladies'	22	4	9	23	6	5	26	13	3	31	15	10	32	0	4
Gents'	6	1	1	5	17	0	6	10	7	13	19	8	8	0	2
Pier Approach	1	5	11	2	19	1	3	9	1	7	3	5	8	14	8
East Cliff—															
Ladies'		15	10		1	10		2	10		4	2		4	8
Gents'		7	2		12	6		18	2		1	5		1	10
Central Gardens—															
Ladies' No. 1	21	13	6	23	7	3	27	5	10	51	16	1	47	3	3
Ladies' No. 2	2	0	9	4	9	7	7	18	1	20	6	4	25	16	3
Lansdowne Ladies'	12	8	4	12	8	5	13	4	9	18	2	6	15	14	7
" Gents'	8	2	11	7	15	8	8	3	0	12	15	9	10	13	11
Horseshoe	2	3	0	2	5	11	2	6	3	2	11	9	2	12	5
Bos. Carnarvon Crescent															
Gents'	1	15	7	1	19	6	1	19	5	2	10	3	2	11	3
King's Park—															
Ladies'		8	1		9	1		13	4		19	0		1	1
Gents'		14	1		12	2		11	11		1	2		1	2
Boscombe Gardens—															
Ladies'		8	9		1	2		1	9		4	0		4	18
Gents'		11	4		1	1		1	6		1	17		2	9
Boscombe Cliff Gardens—															
Ladies'		7	6		6	8		13	11		15	11		18	3
Gents'		2	4		2	3		3	4		13	8		6	0
Boscombe Lawn Tennis	2	4	6	2	12	7	3	15	4	4	8	4	5	13	7
Alum Chine	1	7	4	1	11	1	3	18	3	8	13	1	11	10	6
Durley Chine		16	10		18	9		1	15		2	3		2	3
Durley Road, Gents'		7	8		7	5		13	4		12	4		11	7
Meyrick Park—															
Ladies'		10	11		6	1		17	1		1	3		1	12
Gents'		4	5		10	10		5	3		9	0		15	7
Cemetery, Ladies'		18	11		1	9		1	3		1	8		1	6
Cemetery, Gents' ...		1	11		1	1		1	9		1	13		1	12
Fisherman's Walk—															
Ladies'		3	0		3	11		5	14		8	4		8	10
Gents'		2	10		1	15		2	12		3	17		3	12
Holdenhurst Road—															
Gents'		1	16		1	9		1	15		2	5		1	17
Palmerston Road—															
Ladies'	15	1	5	17	17	7	17	3	6	18	19	10	17	17	6
Gents'	5	19	8	5	6	3	5	12	3	6	16	7	6	8	8
Alma Road, Gents'	1	13	8	1	1	10	1	5	2	1	7	6	1	7	7
Argyll Gardens			9						1			10			
Charminster Road—															
Ladies' & Gents'	2	14	7	1	17	6	2	5	5	2	16	8	2	9	3
Richmond Hill	1	2	9		17	6	1	3	7	1	5	5	1	4	3
Avenue Road	7	11	6	7	10	8	7	17	5	11	1	0	10	3	0
Seabourne Road—															
Ladies'	2	5	11	2	2	9	2	0	4	2	0	9	2	1	5
Gents'	3	3	4	2	6	9	1	11	9	1	14	1	2	0	10
Queen's Road		6	3		4	5		6	10		9	7		6	6
Middle Chine		3	5		2	4		7	4		9	2		17	4
Cross Roads—															
Ladies'		1	1		1	7		1	12		2	8		1	15
Gents'			17		18	9		1	3		1	9		1	5
Peters Hill—															
Ladies'	2	19	6	1	19	8	2	13	11	3	5	9	2	9	8
Gents'	1	13	3	1	6	4	1	4	2	1	8	1	1	6	3
Woodland Avenue ...		11	5		9	6		10	3		8	10		16	10
Seafeld Gardens, ...														3	6
Malvern Road															
Queen's Hotel															
Totals	155	17	5	161	3	4	190	3	1	280	15	9	276	10	11

om December, 1926, to December, 1928.

June		July		Aug.		Sept.		Oct.		Nov.		Dec.		Totals										
s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.								
8	2		10	8		18	11		1	5	8		5	8		2	8		2	4		4	8	11
6	9	10	4	19	10	9	7	4	10	0	6	7	10	7	5	19	1	5	18	8		71	11	0
2	19	5	3	8	1	5	5	6	4	15	11	2	16	10	1	16	7	2	19	11		36	18	11
2	5	7	3	7	9	5	7	9	4	5	3	2	10	11	1	7	3	1	13	4		31	18	0
3	0	5	3	16	3	6	10	0	4	15	9	3	4	2	1	17	10	2	3	3		38	5	4
1	1	4	1	6	0	1	7	7	1	8	0		17	10		16	0		13	2		11	14	4
4	11	6	47	1	5	66	4	0	66	19	3	42	7	2	29	12	7	28	8	6	461	5	0	
1	5	8	12	10	4	16	3	9	15	18	11	9	17	6	7	13	4	6	11	1	120	9	1	
6	0	10	22	5	3	34	11	11	29	4	8	10	1	7	3	11	5	4	11	3	143	19	1	
9	5	1	13	2	2	19	3	10	17	7	8	5	7	3	1	11	5	1	7	1	80	11	1	
2	11	0	2	17	5	4	6	7	3	18	9	1	6	2		12	5		12	6	20	18	1	
3	10	1	117	11	8	192	19	5	160	12	3	64	0	11	30	16	6	29	5	7	860	2	4	
7	1	10	86	12	11	121	16	11	107	5	3	30	7	8	5	1	1				468	16	8	
26	16	4	29	9	2	43	6	8	47	12	8	22	15	7	15	18	7	15	4	11	273	2	0	
4	14	8	17	19	10	31	8	11	25	1	11	13	13	0	9	4	3	7	19	8	167	13	6	
3	2	9	3	11	1	4	12	10	4	12	0	2	11	1	1	12	6	2	0	2	34	1	9	
2	18	7	3	4	6	5	12	7	5	5	3	2	15	1	1	19	1	1	18	5	34	9	6	
1	11	11	1	10	8	2	3	4	2	13	11	1	3	8		16	1		13	8	14	4	4	
1	12	2	1	10	9	2	3	3	2	8	0	1	1	1		16	4		13	3	14	7	11	
10	19	4	12	6	11	26	8	10	18	10	8	4	6	10		18	7		19	7	86	10	4	
4	9	10	5	12	3	8	15	0	8	2	7	2	16	8	1	0	1	1	0	0	39	2	0	
2	4	3	1	12	1	3	6	1	4	2	0	1	7	10		6	7		4	7	16	5	8	
	7	10	1	0	7	1	8	8		18	0		8	7		2	11		3	0	5	17	2	
7	7	3	8	6	1	13	3	11	13	10	4	5	5	7	3	2	1	2	10	0	71	19	7	
22	16	8	29	10	1	54	1	2	41	6	1	12	5	10	2	13	9	1	5	0	190	18	10	
3	19	7	3	16	9	7	1	10	4	17	11	2	17	9	1	9	11	1	3	1	33	4	8	
1	0	7		8	0	1	5	6	1	0	10		13	2		11	5		11	9	8	3	7	
3	7	11	7	6	3	7	4	6	10	16	6	1	2	3		17	0		11	11	35	16	4	
1	4	11	1	12	4	1	15	6	2	3	6		13	4		5	10		4	4	10	4	10	
1	3	4	1	14	0	1	19	8	2	4	9	1	2	5	1	2	8		19	1	16	11	6	
1	10	10	2	2	0	2	1	4	2	16	8	1	14	9	1	5	4	1	7	2	20	7	0	
15	0	3	18	10	8	34	3	9	26	13	1	9	11	10	3	13	11	3	14	0	140	8	10	
5	1	2	6	11	3	12	4	2	9	0	3	4	3	3	2	19	11	2	7	4	56	15	10	
2	3	1	2	3	7	3	9	6	3	2	8	2	5	0	1	12	2	1	13	3	25	13	3	
20	19	0	20	2	5	31	6	0	32	6	6	22	10	3	20	0	2	17	6	3	251	10	5	
7	5	5	8	18	7	14	3	3	13	1	10	8	0	7	6	12	6	5	3	1	93	8	8	
1	10	0	2	13	7	2	5	7	2	17	9	1	12	0	1	3	4	1	4	4	20	2	4	
	13	8		5	2		11	7		14	3		12	9		1	0			11	3	2	8	
2	17	1	3	17	1	4	16	3	4	10	11	2	19	11	2	6	2	2	10	0	36	0	10	
1	9	1	2	8	0	2	4	1	3	2	10	1	12	4	1	2	2	1	5	10	18	17	10	
15	19	6	19	0	10	27	12	0	25	0	4	13	8	1	8	17	3	8	0	3	162	1	10	
2	15	7	2	6	11	4	19	4	4	1	7	2	12	8	2	3	4	3	19	9	33	10	4	
2	18	6	2	8	2	4	3	1	4	0	3	2	10	8	2	0	4	3	10	8	32	8	5	
	9	6		16	2		16	6		16	1		6	4		7	8		4	7	5	10	5	
2	3	5	2	2	7	3	6	6	3	10	11	1	1	5		4	7		2	4	14	11	4	
2	18	8	2	6	7	6	10	7	5	18	6	2	13	4	1	0	4	1	9	7	31	3	5	
2	2	0	1	18	5	3	1	2	2	5	1	1	10	3		17	0	1	7	7	18	15	9	
3	1	10	4	2	6	4	3	0	5	11	3	2	17	7	2	17	9	3	1	8	39	4	1	
1	14	2	2	0	10	2	9	2	2	10	11	2	5	6	1	7	1	1	2	2	20	7	11	
3	7	1	2	3	5	5	19	8	4	18	0	3	19	0		13	4		8	3	24	5	7	
	4	3		4	0		6	3					1	7	11		6	4			2	12	3	
														10			3					1	1	
																			11				11	
56	12	9	557	3	10	870	14	6	780	4	5	347	10	3	195	7	9	182	9	0	4454	13	0	

WATER METERS.

Meter Readings of the consumption of water supplied by the Bournemouth Gas and Water Co. and the West Hants Water Co. to your Authority are taken every month (165 meters) and a comparative statement submitted each month to the Finance, etc., Committee.

The readings of the meters, 34 in number, at the Schools are taken fortnightly and a comparative statement submitted to the Education Authority.

Wherever a large increase is detected an inspection of the water fittings is always made and a report thereon submitted to the Committee.

Hereunder is a comparative statement of the consumption of water supplied by the Companies to your Authority for the years, 1927 and 1928.

Situation of Meter.	Consumption	Consumption.
	1927 Gallons.	1928 Gallons.
Cabstand, St. Swithun's Road ...	3,000	12,400
Fire Station, Holdenhurst Road...	54,100	107,100
Cabstand, Madeira Road ...	16,600	1,800
West Gardens Tennis Court ...	4,600	5,600
West Yard	116,900	166,400
Wharf Road Depot	63,900	71,000
Drinking Trough, Chine Road ...	11,700	14,200
Cabstand, Durley Road ...	4,900	4,600
" West Cliff Road ...	6,800	9,700
" West Cliff Gardens ...	3,100	1,600
West Fire Station	11,200	18,000
Mess Room, Westover Gardens ...	6,200	6,600
Lansdowne Drinking Trough ...	35,000	28,800
Cemetery, Wimborne Road ...	101,800	162,000
Refuse Destructor	445,700	438,100
Alum Chine Cliff Gardens ...	33,400	3,600
Boscombe Gardens, Lawn Tennis	18,800	23,600
East Yard	464,800	558,100
Cabstand, Adeline Road ...	4,600	5,900
Boscombe Depot	105,900	105,600
King's Park	209,100	305,700
East Cemetery	87,000	131,000
Sanitary Hospital	892,000	1,170,200
Parkwood Road	50,300	81,900
Meyrick Road Cabstand ...	16,600	23,700
Bournemouth Golf Club ...	36,900	39,100
Meyrick Park Golf Club ...	16,200	21,500
West Refreshment Rooms, W. Lift	34,400	45,100
East Cliff Lift Buffet	34,700	40,200
Pembroke Plot, Poole Hill ...	1,800	20,000
West Tennis Pavilion	28,600	34,100

	Consumption in 1927	Consumption in 1928
	Gallons	Gallons
Queensland Road	10,700	1,600
Rosebery Road	8,000	14,100
Clarence Park Road	16,900	22,800
Clifton Road	47,500	29,100
Stourwood Road	10,100	10,200
Drinking Trough, Parkwood Road ...	7,700	15,600
Boscombe Cliff Gardens	265,800	192,500
Cabstand, Wharncliff Road	10,800	8,600
Car Sheds, Southcote Road	276,800	367,200
Mess Room, Southcote Road	168,900	121,700
Boiler House, Generating Station ...	96,000	53,000
Knyveton Gardens	84,800	83,400
Winton Depot	235,700	280,600
Meyrick Park Pavilion and Workshop	97,900	145,900
Gervis Road Drinking Trough	11,900	21,700
Christchurch Road Depot	78,400	84,900
Bowling Green, Meyrick Park	98,000	74,300
West Refreshment Rooms	253,900	175,500
East Refreshment Rooms	253,000	241,900
The Square, for watering Tramlines ...	13,800	19,600
Queen's Park Caddies' Shelter	16,900	9,100
Pokesdown Car Sheds	37,100	43,100
Moordown Car Sheds	102,000	96,500
Queen's Park Golf Pavilion	127,800	93,200
Queen's Park Golf Links	176,600	93,100
Winton Recreation Grounds	117,600	174,200
Boscombe Refreshment Rooms	55,000	51,500
Argyll Gardens	54,900	112,800
Fountain, East Beach	22,000	21,100
Convenience, West Beach	299,100	272,300
Convenience, East Beach	356,000	244,200
Urinal, East Cliff	50,000	51,100
Queen's Park Rifle Range	4,600	4,700
Nursery, King's Park	110,300	142,700
Alum Chine Refreshment Rooms	15,200	26,300
Durley Chine Refreshment Rooms	82,600	88,500
Winton Recreation Pavilion	25,900	25,200
Fountain, Cliff Path, Pokesdown	57,100	20,000
Drinking Fountain, Grand Avenue	18,600	25,700
Durley Chine Drinking Post	16,300	4,600
King's Park Bowling Green	81,300	76,000
Pokesdown Fire Station	39,800	56,700
Portman Crescent Cabstand	2,700	3,800
Newstead Road Flushing Tank	43,200	81,100
Bowling Green, Southbourne	13,200	20,200
Law Courts, Stafford Road	130,200	149,200
Undercliff Drive Mess Room	189,900	18,300
Middle Chine Drinking Post	15,900	23,200
Gervis Road Chair Stand	5,400	6,800
The Rookery Stables	39,200	43,800
King's Park Mess Room	8,000	16,500
Convenience, Undercliff Road	247,900	283,100
Borough Dispensary	600	400
Westbourne Convenience	123,200	113,000
Triangle Convenience	161,400	140,100
Ladies' Lavatory, Exeter Lane	420,800	475,100
Winter Gardens	385,100	382,200
Malvern Road Recreation Ground ...	116,000	215,000
Refuse Destructor, No. 2	206,000	370,000
Conveniences, Peter's Hill	30,000	108,900
Grovely Avenue	22,500	14,200
Meyrick Park Golf Links, No. 1	266,600	274,600
Meyrick Park Golf Links, No. 2	70,400	275,800
King's Park Cricket Pitch	4,900	13,700
East Beach for Fountains	59,800	74,700
West Howe	44,200	24,700

	Consumption in 1927 Gallons	Consumption in 1928 Gallons
Urinals, facing the Pier ...	669,300	678,500
Bournemouth Pier ...	464,000	469,100
" " (Special) ...	119,000	176,000
Westover Road Conveniences ...	520,400	405,300
Firs Glen Conveniences ...	79,000	103,600
Lansdowne Convenience ...	426,500	417,000
Boscombe Gardens Conveniences ...	219,200	145,500
Carnarvon Crescent ...	106,500	92,200
Poole Hill Conveniences ...	82,200	70,000
Durley Chine Conveniences ...	40,600	39,000
Alum Chine Conveniences ...	284,200	227,700
Boscombe Pier ...	306,900	255,900
Lavatories near Cemetery ...	72,600	54,200
Seabourne Road Conveniences ...	114,400	111,700
Durley Road Conveniences ...	23,200	16,300
East Cliff Convenience ...	163,200	115,400
Fisherman's Walk Conveniences ...	161,200	186,400
Holdenhurst Road Convenience ...	59,100	59,900
Alma Road Conveniences ...	111,400	54,900
Boscombe Lawn Tennis ...	59,100	82,200
Charminster Road Conveniences ...	109,200	151,900
Palmerston Road Conveniences ...	356,800	324,800
Fisherman's Walk Gardens ...	161,200	205,600
Avenue Road Convenience ...	382,100	421,200
Richmond Hill Convenience ...	118,200	37,600
Lansdowne Ladies' Lavatory ...	178,900	183,700
Golf Clubs and Caddies' Shelter ...	195,400	197,800
Town Hall ...	1,564,000	685,000
East Beach, Fountains and Conveniences ...	239,200	244,200
Bathing Station, West Beach ...	1,700	—
Knyveton Gardens, Bowling Green ...	44,600	56,900
East Cliff Hall ...	94,200	60,800
Cricket Pavilion, Meyrick Park ...	153,500	311,700
Tramways Offices ...	82,300	114,200
Flushing Tank, Undercliff Drive ...	189,900	1,101,100
Carnarvon Crescent Gardens ...	3,800	12,500
Cross Roads Lavatories ...	70,800	112,000
Pleasure Gardens Fountain ...	2,096,200	684,500
Municipal Baths ...	712,300	1,140,800
Talbot Village Allotments ...	11,700	6,300
Southbourne Tennis Courts ...	62,500	39,500
Middle Chine Convenience ...	22,800	21,400
Boscombe Gardens for Lake ...	388,000	372,700
Bourne Avenue Cabstand ...	3,400	4,700
Queen's Hotel ...	9,800	8,500
Gordon Hotel Steps, near ...	8,200	17,300
Talbot Hotel Urinal ...	15,000	15,200
Portman Ravine ...	13,600	6,700
West Beach Lavatories, No. 2 ...	274,300	314,300
East Beach Lavatories, No. 2 ...	328,000	370,100
Bowling Green, Woodland Avenue ...	156,000	110,800
Boscombe Undercliff Drive ...	22,500	—
Durley Chine Refreshment Rooms ...	34,000	88,500
Overstrand Tea Rooms ...	418,400	474,300
Chaunticlere, Castle Lane ...	14,500	11,000
Fisherman's Walk Promenade ...	99,100	145,600
Fire Station, Wimborne Road ...	9,300	41,600
West Howe Hospital ...	44,200	24,700
Durley Chine Refreshment Rooms, No. 2 ...	34,000	28,300
Beach Shelters, Fountains and Conveniences ...	239,200	155,200
Total ...	21,429,800	22,751,600

SANITARY HOSPITAL PATIENTS.

Year ending December, 1928.

Amount received for maintenance of patients	£	s.	d.
	584	8	9
Number of paying patients	121		
Number of free cases ...	122		
Total number of cases ...	243		
Average length of residence in the Hospital:—			
Scarlet Fever cases	44.19		
Scarlet Fever cases	44.19	days	
Diphtheria cases	36.75	days	
Average amount received per paying patient.	£	s.	d.
	4	15	9
Ditto, all cases	2	8	1
Average cost per person per day ...	1	0	$\frac{1}{2}$
Average cost per person per day, including administrative expenses	8	4	$\frac{3}{4}$

STATEMENT OF ACCOUNTS.

	£	s.	d.
Sanitary Inspection Fees	170	7	0
Maintenance of Patients	584	8	9
Disinfection of rooms, bedding and Clothing after Non-Notifiable Disease, including Transport	255	19	9
Cleansing of Sanitary Conveniences, etc., Hotels	20	16	0
Ditto, Public Elementary Schools ...	104	0	0
Cleansing Cab Shelters	109	4	0
Cesspools emptied	28	0	0
Disinfecting Cinemas	8	18	6
Cleansing & Flushing Drain, etc. ...	4	12	6
Checking Meters at Elementary Schools	14	0	0
Checking Meters at Royal National Sanatorium and Car Sheds	2	2	0
Disinfectants supplied	12	2	6
Hire of Ambulance	6	6	0
Cleansing passages & right-of-ways ...	17	6	0
Ratcatching, etc., Accounts	123	11	6

SALE OF FOOD AND DRUGS ACTS,
1875-1907.

Inspectors: Mr. W. D. CARTER and Mr. T. PICKERING.

During the year, 500 samples of Food and Drugs were obtained, of which number 395 samples were purchased formally or "taken" in accordance with the provisions of the Acts and 105 samples were purchased informally and submitted as "Test" samples to the Analyst.

Of the formal samples, 18 (4.55 per cent.) and of the unofficial three (2.85 per cent.) were adulterated, whilst 44 (11.14 per cent.) of the official and 13 (12.38 per cent.) of the unofficial were of poor or doubtful quality.

The proportion of adulterated samples was 4.20 per cent. and the poor or doubtful 11.4 per cent. as compared with 2.60 per cent. adulterated and 8.22 per cent. poor or doubtful during 1927.

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

MILK.

One hundred and eighty-five samples of Milk were officially purchased or taken and submitted to the Public Analyst, who reported adversely upon eleven of the samples.

Of the adulterated samples three contained added water, six were deficient in milk fat, and two were deficient in both fatty and non-fatty solids.

One sample of separated milk contained added water.

Twenty-five 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. Two of these samples were of poor or doubtful quality.

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

BUTTER.

Fifty formal samples of butter were purchased; two were adulterated with Boric Acid, but the very small proportion used could be of no value as a preservative.

DRUGS AND PRESCRIPTIONS.

Forty-five samples of Drugs were sent for analysis, and of these six were reported as of poor or doubtful quality, but none as adulterated.

PRESERVATIVE AND COLOURING MATTER.

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

OFFICIAL SAMPLES.						
No. of samples analysed.	Article.			Preservative.	Colouring matter.	Remarks.
18	Sponge Cakes	...	...	—	5	—
50	Butter	...	...	2	14	—
20	Sausages	...	...	3	—	—
16	Margarine	...	...	—	15	—
6	Jam	...	...	2	3	—
13	Beer	...	...	12	—	—
5	Stout	...	...	1	—	—
—				—	—	
128				20	37	
—				—	—	

UN-OFFICIAL SAMPLES.

No. of samples analysed.	Article.	Preservative.	Colouring matter.	Remark:
9	Mincemeat ...	7	—	—
5	Lime Juice Cordial ...	5	1	—
4	Lemon Squash ...	4	—	—
2	Orange Squash ...	2	1	—
1	Concentrated Cloudy Lemon Squash ...	1	—	—
—	—	—	—	—
2:	—	19	2	—
—	—	—	—	—

LEGAL PROCEEDINGS.

No legal proceedings were found to be necessary in respect of samples reported against by the Public Analyst.

COUNTY BOROUGH OF BOURNEMOUTH.

PUBLIC HEALTH (MILK AND CREAM)
REGULATIONS, 1912.REPORT UPON ADMINISTRATIVE ACTION: YEAR ENDED
DECEMBER 31st, 1928.1. *Milk and Cream not sold as Preserved Cream.*

Samples.	No. of smpls. examined for Preservatives	No. in which a preservative was found	Nature of Preservative	No. in which a thickening substance was found.
Milk ...	185	—	—	—
Cream...	21	—	—	—
Sep. Milk	6	—	—	—
Clotted Cream	2	—	—	—
Reconstituted Cream	1	—	—	—

As from 1st January, 1928, the addition of preservatives to cream is prohibited by the Public Health (Preservatives, etc., in Food) Regulations, but of the 215 samples of milk and cream no adverse analysis was received.

RATS AND MICE (DESTRUCTION) ACT, 1919.

During the period under review, one organised campaign has been held and the particulars and results are as follows:—

CAMPAIGN NO. 13.

1	No. of Rats caught	...	...	...	...	395
2	Applications from Householders, etc.	...	...	...	...	27
3	No. of Baits applied	...	...	...	...	700
4	Visits by Ratcatcher	...	...	...	...	30

GENERAL REMARKS.

1. The number of rats killed with dogs and ferrets during the year, including the number given above for the 13th Campaign, is 2,938. Allowing that one pair of rats produces 800 in the year, the normal increase has been checked by 1,175,200 during the year by the use of dogs and ferrets only. It is not possible to calculate the number of rats destroyed by the use of poison baits. With the exception of one or two affected with mange, the rats caught were found to be in a clean, healthy condition.

2. No black rats were found.

3. The Parks, Chines, Cliffs, Pleasure Grounds, Allotments, Piggeries were systematically hunted during the Campaign.

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

5. Special night visits have been made in the larger hotels and stores with good results.

CORPORATION HOUSING SCHEMES.

The Housing Schemes comprise 248 houses and 84 flats, of which 330 were built by contract for the Corporation and two given to the town by the Builders' Guild. Each house contains at least three bedrooms, parlour and offices (including bathroom), and the rent is inclusive except for the water rate.

The following is an analysis of the Scheme :—

Ministry Type.	Description.	Rent.	No. of Houses.			Ttl.
			Southhill	Carbery	L.C. Rd.	
B	Three-bedroomed houses in pairs	12/6	124	16	32	172
B4	Four-bedroomed houses in pairs	14/-	2	4	—	6
B	Three-bedroomed houses in pairs blocks (4)	12/6	28	32	—	60
B4	Four-bedroomed houses (single)	15/6	1	3	—	4
B	Three-bedroomed houses (single)	14/-	5	1	—	6
	Two-bedroomed flats (in blocks of 4)	10/6 inc.	20	—	64	84
			180	56	96	332

DISTRIBUTION OF HOUSES.

Southhill Estate.

	Houses	Flats
Brassey Road	29	—
Ripon Road	55	20
Clifford Road	12	—
Castle Road	25	—
Gresham Road	4	—
Strouden Road	2	—
Shirley Road	17	—
Limited Road	2	—
Southhill Road	8	—
Southhill Gardens	4	—
Portland Road	2	—
	160	20
	—	—
Total		180

Carbery Estate.

Cranleigh Road	33	—
Beaufort Road	4	—
Watcombe Road	2	—
Lingdale Road	17	—
	56	0
	—	—
Total		56

Charminster Road Estate.

Houses	Flats	
32	64	
Total		96
		<hr/>
		332
		<hr/>

PRESENT ACCOMMODATION.

These three schemes provide accommodation for 394 families, comprising 776 adults and 1,318 children, making a total of 2,094 persons.

SUB-TENANCIES.

On receipt of a written application from the tenant, the Committee have granted permission to sub-let to another family, provided that the sub-tenancy includes a sitting room, a bedroom (with a fireplace therein), joint use of scullery fittings, bath-room and W.C. The sub-tenant is liable for not more than half of the rent and water rate, which is paid direct to the superior tenant. At the end of December, 1928, there were 56 approved sub-tenancies recorded in the Register.

A large number of the houses have been so arranged with separate doors leading into the sculleries to avoid the tenants having to pass through each other's rooms.

SUBSIDY HOUSES.

The number of subsidies granted by your Authority during the year is 24, and enquiries have been made into the circumstances of each applicant.

Thirty-five loans have been granted by your Authority during the year and similar enquiries have been made of the applicants.

POULTRY KEEPING, ETC.

On receipt of a written application from the tenant or sub-tenant, the Committee has granted permission to keep poultry, provided that the number kept does not at any time exceed five, and that the shed in which they are housed is built in accordance with the standard plan and specification.

At the end of December, 1928, there were 45 poultry runs on the Southill and Charminster Road Scheme, and 43 on the Carbery Estate.

SHEDS OTHER THAN POULTRY SHEDS.

Applications to erect cycle sheds, etc., were generally granted, subject to any conditions imposed by the Housing and Buildings Committee with regard to standard plan and specification.

GENERAL SUPERVISION.

During the year 1,088 visits have been paid to the Corporation Housing Estates by this Department.

This, my 42nd Annual Report, will be the last that I shall have the privilege of presenting to your Authority. I cannot do so without expressing my grateful appreciation for the support given by the Chairman and members of the several Committees under whom I have served, for the loyal co-operation and assistance rendered by the officials and staff of my own department during this long period as well as to the chiefs and staffs of the other departments under your Authority.

All the workers in a Health Department should be in complete unison and harmony to effect its highest ideals and happily this condition can be said to have prevailed in this department. The various duties under the administrations of both Dr. Nunn and Dr. Edwards were carried out without overlapping of any sort and without friction.

In closing this report I also beg to acknowledge the great assistance and help invariably rendered to the department by members of the Medical Profession, Architects, House and Estate Agents and the Builders in the Borough. The carrying out of the duties of the Public Health Acts may have occasionally clashed with their private interests, but the public enterprise they have shown—particularly that of the House Agents and Builders—has had a great influence on the growth and prosperity of the Borough in the past. They have recognised that their interests and those of the governing body are identical and particularly was this so in the earlier days when the pioneer work of the Board of Commissioners in planning of roads, sewerage schemes, water supply, etc., was so important. These schemes required foresight and broad administration and the present day residents and visitors owe much to these public spirited men of former days, as well as to the public officials of that day, when perhaps the difficulties of developing a progressive policy were greater than now.

I shall also always remember the advice and help given me in my earlier work in the town by the first Town Clerk, Mr. James Druitt, the Chairman of the Medical Profession, Dr. Roberts Thomson, Mr. J. McWilliam, Mr. E. W. Rebbeck and Mr. T. J. Hankinson, representatives of the Commissioners.

The mutual and progressive co-operation of these public men and workers did much to secure an up-to-date and uniform standard of household sanitation for which Bournemouth has for so many years claimed to be in the front rank.

I remain, Gentlemen,

Yours faithfully,

WM. GEO. COOPER,

Chief Sanitary Inspector.

COUNTY BOROUGH OF BOURNEMOUTH.

ANNUAL REPORT

OF THE

Public Analyst

For the Year ended 31st December, 1928.

TO THE MAYOR AND TOWN COUNCIL,
BOURNEMOUTH.

Mr. Mayor and Gentlemen,

I have the honour of presenting for your consideration my report upon the analysis of the Samples of Food and Drugs submitted to me during the year, being the 28th Annual Report which it has been my privilege to issue.

The total number of Samples was 500 of which 395 were taken officially under the formalities of the Acts and 105 were unofficial.

Of the formal Samples, 18 i.e., 4.55 per cent. and of the unofficial 3, i.e., 2.85 per cent. were adulterated, whilst 44 or 11.14 per cent. of the official and 13 or 12.38 per cent. of the unofficial were of poor or doubtful quality.

The total number of adulterated Samples was 21 or 4.20 per cent., and the poor or doubtful, 57 or 11.4 per cent., as compared with 2.6 per cent. adulterated and 8.2 per cent. poor or doubtful during 1927.

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

TABLE I.

Year.		Adulterated.	Poor or Doubtful.
1918	official	13.80 per cent.	21.30 per cent.
"	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 "
1922	official	7.33 "	12.00 "
"	unofficial	18.00 "	9.00 "
"	total	10.00 "	11.25 "
1923	official	6.80 "	12.58 "
"	unofficial	3.77 "	11.32 "
"	total	6.00 "	12.25 "
1924	official	5.94 "	11.88 "
"	unofficial	5.26 "	3.51 "
"	total	5.75 "	9.50 "
1925	official	6.88 "	8.52 "
"	unofficial	12.00 "	7.00 "
"	total	8.14 "	8.14 "
1926	official	9.62 "	10.86 "
"	unofficial	4.68 "	7.81 "
"	total	8.22 "	10.00 "
1927	official	2.66 "	9.33 "
"	unofficial	2.40 "	4.80 "
"	total	2.60 "	8.20 "
1928	official	4.55 "	11.14 "
"	unofficial	2.85 "	12.38 "
"	total	4.20 "	11.40 "

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

TABLE II.

Summary of Annual Report, 1928. Three hundred and ninety-five official samples :—

Nature of Sample.	Examined	Genuine	Poor or Doubtful	Coloured	Containing Preservative	Adulterated	Percentage Adulterated
Milk	185	142	32	—	—	11	5.94
Separated Milk	6	5	—	—	—	1	16.66
Cream	11	8	3	—	—	—	—
Butter	50	48	—	14	2	2	4.00
Margarine	16	16	—	15	—	—	—
Lard	8	8	—	—	—	—	—
Cheese	10	10	—	—	—	—	—
Jam	6	4	2	3	2	—	—
Self-Raising Flour	21	21	—	—	—	—	—
Sponge Cakes	18	18	—	5	—	—	—
Cocoa	8	8	—	—	—	—	—
Sausages	20	20	—	—	3	—	—
Malt Vinegar	17	11	6	—	—	—	—
Table Vinegar	1	—	—	—	—	1	100.0
Beer	13	10	1	—	12	2	15.4
Stout	5	4	—	—	1	1	25.0

TABLE III.

Summary of Annual Report, 1928. One hundred and five unofficial samples :—

Nature of Sample	Examined	Genuine	Poor or Doubtful	Coloured	Containing Preservative	Adulterated	Percentage Adulterated
Cream	10	9	1	—	—	—	—
Reconstituted Cream ...	1	1	—	—	—	—	—
Clotted Cream	2	2	—	—	—	—	—
Cream Cheese	1	1	—	—	—	—	—
Machine Skimmed Dried Milk	1	1	—	—	—	—	—
Self-Raising Flour ...	1	1	—	—	—	—	—
Paste	5	5	—	—	—	—	—
Mince-meat	9	2	5	—	7	2	22.22
Yeast	2	2	—	—	—	—	—
Brandy	8	8	—	—	—	—	—
Whiskey	8	7	—	—	—	1	12.50
Lime Juice Cordial ...	5	5	—	1	5	—	—
Lemon Squash	4	4	—	—	4	—	—
Concentrated Cloudy Lemon Squash ...	1	—	1	—	1	—	—
Orange Squash	2	2	—	1	2	—	—
Ammoniated Tincture of Quinine	6	3	3	—	—	—	—
Syrup of Figs	14	12	2	—	—	—	—
Castor Oil	4	4	—	—	—	—	—
Glycerine	2	1	1	—	—	—	—
Cream of Tartar	4	4	—	—	—	—	—
Tartaric Acid	3	3	—	—	—	—	—
Glauber's Salt	6	6	—	—	—	—	—
Cream Powder	1	1	—	—	—	—	—
Camphorated Oil	5	5	—	—	—	—	—

TABLE IV.

Adulterated Official Samples :—

No.	Nature of Sample.	Nature of Adulteration.	Observations.
20	Milk	16 per cent. deficient in Fat.	
34	Butter	0.013 per cent. Boric Acid.	This proportion of Boric Acid can be of no value as a preservative.
37	Table Vinegar ...	13 per cent. deficient in Acetic Acid.	
88	Milk	3.1 per cent. added water.	
91	Milk	5.8 per cent. added water.	
140	Milk	4.0 per cent. deficient in fat.	
142	Milk	16.3 per cent. deficient in fat.	
143	Milk	4.6 per cent. deficient in fat.	
164	Butter	0.2 per cent. Boric Acid.	See note above.
223	Milk	10.4 per cent. added water.	
262	Milk	5.3 per cent. deficient in fat.	
263	Milk	3.3 per cent. deficient in fat.	
288	Milk	10.3 per cent. deficient in fat.	
		Solids not fat below the legal minimum 0.11 per cent. corresponding to 1.2 per cent. added water.	
305	Milk	18.0 per cent. deficient in fat. Slightly deficient in Solids not fat, the deficiency being equivalent to less than 1 per cent. added water.	
349	Separated Milk	5.2 per cent. added water.	
372	Stout	Lead approximately $\frac{1}{35}$ grain per gallon.	
375	Beer	Lead approximately $\frac{1}{35}$ grain per gallon.	
377	Beer	Lead approximately $\frac{1}{35}$ grain per gallon.	

TABLE V.

Adulterated Unofficial Samples :—

No.	Nature of Sample.	Nature of Adulteration.	Observations.
82	Whiskey ...	Deficient 0.68 per cent. proof spirit.	
101	Mincemeat ...	Approximately 2 grains Boric Acid per pound.	This proportion of no value as a preservative.
105	Mincemeat ...	Approximately 1 grain Boric Acid per pound.	This proportion of no value as a preservative.

MILK.

Excluding the 11 adulterated samples, the remaining 174 samples yielded the following average proportions of fatty and non-fatty solids :—

	No. of Samples.	Fat per cent.	Solids-not-Fat per cent.
1st Quarter ...	39	3.71	8.77
2nd ,, ...	44	3.39	8.87
3rd ,, ...	53	3.54	8.81
4th ,, ...	38	3.93	8.91
Whole 12 months ...	174	3.64	8.84

SPIRITS.

The 16 samples received, as well as six of Ammoniated Tincture of Quinine, were all tested for Isopropyl Alcohol—none could be detected, although it has been suggested that this article is used as an adulterant; the test applied is capable of detecting as little as one per cent.

Although the results have, so far, been negative, the possibility of this form of adulteration of both spirits and drugs should be very seriously borne in mind.

DRUGS.

Forty-five samples were received and of these six were reported as of "poor or doubtful" quality, but none as adulterated.

One sample of Ammoniated Tincture of Quinine contained nearly 15 per cent. excess of Quinine above the required amount; this might have been due almost entirely to the fact that on keeping, Sulphate of Quinine loses moisture very readily; another sample was four per cent. deficient in spirit, whilst a third sample contained 11 per cent. of Ammonia in excess.

PRESERVATIVES.

The effect of the Preservatives Regulations of 1925, which came into force in 1927 and 1928, has been to almost entirely prevent the use of Boric Acid or its compounds in the Borough—no sample of Cream, Margarine, Sausages, or Sponge Cakes having been found to contain it, whilst of 50 samples of Butter and nine of Mincemeat, four contained traces only—these four, however, have been classed as "adulterated."

Sulphurous Acid or Sulphites, as allowed by the Regulations, have been detected in two samples of Jam, three of Sausages, 12 of Beer, one of Stout, seven of Mincemeat and 12 of Non-Alcoholic drinks.

Benzoic Acid or Benzoates was found in one sample of Lemon Squash.

Formaldehyde and Salicylic Acid were not found in any sample.

The total number of samples in which Preservatives were sought was 407.

Although there has been nothing of special importance during the past year to demand attention, it will be interesting to compare the proportions of Adulterated Samples during the last five years with those of the first five years after my appointment as Public Analyst in 1901.

	1901 to 1905.	1924 to 1928.
Number of samples tested ...	1,341	2,255
Number of adulterated or deficient samples ...	202	124
Percentage adulterated or deficient	15.0	5.5

It is not alone in the proportion of adulterated samples that improvement has been made, but also in the character of such adulteration or deficiency, e.g., *Milk*. During 1901 to 1905 of 366 samples of *Milk*, no fewer than 62, or 17 per cent. were adulterated in many cases to the extent of from 16 to 22 per cent. and in one instance as much as 40 per cent. ; in 1924-1928, 46 samples out of 734 were adulterated usually with less than 10 per cent., although the highest deficiency was 37 per cent. In the first quinquennium, 22 samples contained preservative (usually Boric Acid, in one case to the extent of 112 grains per gallon), and a very large proportion were coloured, neither of which form of adulteration has occurred during 1924-8.

BUTTER.

In the first five years, of 141 samples, 28 (19.9 per cent.) were adulterated, sometimes by the addition of excess of water and frequently by addition or entire substitution of Margarine for Butter. During the last five years only five (3.78 per cent.) have been reported as adulterated, of these two contained traces of Boric Acid, which in 1905 would not have been regarded as an adulteration, two contained approximately 37 per cent. and 66 per cent. of Margarine, whilst the fifth contained less than one per cent. of water in excess of the legal limit of 16 per cent.

CREAM.

In 1901-5 of 29 samples, 9 i.e. 31 per cent. whereas in 1924-8 of 88 samples only 14 i.e. 15.8 per cent. were adulterated, in all cases by the presence of Boric Acid.

SELF-RAISING FLOUR.

Since the firm action taken in regard to the use of impure chemicals containing large proportions of Sulphate of Calcium (commonly called Plaster of Paris), this practice has practically ceased—21.4 per cent. of the samples examined in 1901-5 were reported as adulterated, whereas in 1924-8 only 5.1 per cent., and these to only a trifling degree. At one time the acid chemical used contained as much as 60 to 70 per cent. of Calcium Sulphate.

Many other examples of the same kind could be given, but these will suffice to show how salutary has been the effect of legislation administered firmly, but with due regard to the difficulties with which the retail vendors often have to contend.

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