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COUNTY COUNCIL OF DUNBARTON.



ANNUAL REPORTS

BY

THOMAS LAUDER THOMSON, M.D., D.P.H.,
MEDICAL OFFICER OF HEALTH

AND

THE COUNTY SANITARY INSPECTORS

FOR

THE YEAR 1940

GLASGOW :

WILLIAM HODGE & CO., LTD., 34-36 NORTH FREDERICK STREET.
1943.

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County of Dunbarton : Public Health Department.

LIST OF STAFF.

County Medical Officer.

THOMAS LAUDER THOMSON, M.D., D.P.H.

Assistant County Medical Officers.

SAMUEL HARVEY, M.B., Ch.B., D.P.H., M.R.C.P.(Ed.),

JAMES P. M. M'CAREY, M.B., Ch.B., D.P.H.

County Sanitary Inspectors.

(Eastern Area.)

JOHN D. M'KENDRICK.

(Western Area.)

THOMAS ALLAN.

Assistant Sanitary Inspectors.

WILLIAM ARTHUR.

A. LAWSON RIDDELL.

JOHN DUNN.

¹ JOSEPH C. MORTON.

JOHN D. THOMSON.

JAMES G. WATSON, jun.

¹ Military Service — 16th October, 1940.

WILLIAM B. SAMSON.

NEIL MACDONALD.

THOMAS MUNN.

THOMAS F. M'GLASHAN.

JOHN CRAIG.

* DONALD J. MACDONALD.

* Commenced 16th April, 1940.

County Engineer.

D. T. H. MACLENNAN, A.M.I.C.E. (Died 24th July, 1940).

MALCOLM ROSS (Appointed 7th October, 1940).

Assistant Engineers.

* MALCOLM ROSS.

JOHN NICOLSON.

J. C. MACKENZIE.

IAN M. MACLEAN.

JOHN C. RAMSAY.

S. G. MACKENZIE.

¹ WILLIAM B. MACPHEDEAN.

JOHN CAMERON (Apprentice).

* Appointed County Engineer, 7th October, 1940.

² DAVID M'AULAY (Apprentice).

⁴ PETER MACFARLANE "

³ WILLIAM STORRIE "

JAMES S. ARCHIBALD "

A. W. STEVENSON "

H. S. MACDONALD "

¹ Military Service 11th October, 1939.

² " 2nd September, 1939.

³ " 16th October, 1939.

⁴ " 15th March, 1940.

Inspector of Works.

ALLAN SCOTT.

Health Visitors.

(Eastern Area.)

CATHERINE GAVIN.

J. CLARA MACBETH.

ISABELLA M'CRIRICK.

CHRISTINA S. L. KING.

LILY PRIESTNER. * (a)

MARION MACDONALD. * (a)

(Western Area.)

RACHEL SMITH.

CHRISTINA J. MAITLAND.

ISA. R. MACKENZIE.

RACHEL D. COLVILLE. * (b)

* District Nurses : employed part time.

(a) Burgh of Milngavie. (b) Burgh of Cove and Kilcreggan.

LIST OF STAFF—*Continued.**Midwifery Staff: Maternity Services (Scotland) Act, 1937.**Supervisor of Midwives.*

MARY J. CAMPBELL. (Commenced 16th May, 1940.)

Midwives.

JANE R. RITCHIE. (Commenced 16th May, 1940.)

MARY SMITH. (Commenced 16th June, 1940.)

GERALDINE McCULLAGH. (Commenced 16th July, 1940.)

Clerical Staff.

GEORGE S. BROWNE (Chief Clerk in Central Office).

JOSEPH BAIRD (Chief Clerk at 24 George Square).

ELIZABETH MUIR (Chief Clerk in Alexandria Office)

- (a) AGNES M'M. KENNEDY.¹
- CHRISTINA M'GLASHAN.¹
- MARGOT M'KEAN.¹
- † JAMES CAMPBELL.¹
- BELLA AIRTH.¹
- * JOHN MORRISON.¹
- ANNIE HALL.¹
- LOUIS M'GOUGAN.¹
- ISABEL STALKER.¹
- TOM SMITH.¹
- WILLIAM EWING.¹
- (b) JAMES R. DONALDSON.¹
- (c) ELIZABETH C. LANG.¹
- (d) MARY M. BUCHANAN.¹

- ANNIE GRANT.²
- SARA CORNOCK.²
- § SHEILA CAMPBELL.²
- LILY S. DUNCAN.²
- CHRISTINE M'GREGOR.²
- * Military Service 23rd August, 1939.
- † " 1st October, 1940.
- § Resigned 26th July, 1940.
- (a) Resigned 24th September, 1939.
- (b) Resigned 26th July, 1940.
- (c) Commenced 3rd September, 1940
(Temporary).
- (d) Commenced 25th November, 1940
(Temporary).

¹ Clerks in the Central Office.² Clerks in the Public Health Office, Glasgow.³ Clerks in the Public Health Office, Alexandria.*County Analysts.*

Messrs. TATLOCK & THOMSON, Bath Street, Glasgow.

The Medical Officer and Assistant Medical Officers are also Tuberculosis Officer and Assistant Tuberculosis Officers respectively.

The School Medical Officers (Dr. M. M. L. CATHELS and Dr. A. D. COWAN) have been appointed Assistant Medical Officers of Health for purposes of administration.

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*To the Department of Health for Scotland and
the County Council of the County of
Dunbarton.*

LADIES AND GENTLEMEN,

I herewith submit the Annual Report on the Health and Sanitary Conditions of the County for 1940.

Included in this Report are Sections by the County Sanitary Inspectors and the County Engineer.

It will be noted that, although the birth-rate has remained stationary, the infantile mortality-rate has gone up considerably. It is to be hoped that this is only a temporary phase.

The death-rate from tuberculosis has gone up slightly, as has also the general death-rate.

The Department of Health has given instructions that no further Health Reports are to be published. The statistical parts of the Report will, however, be made up for each year.

Under these circumstances, this will be the last Report issued during my time of office as County Medical Officer, and I have to thank the members of the various Committees for their consideration and help over a period of 30 years. I would also thank all members of my Staff who have so ably assisted me.


The delay in publishing the present Report is regretted but has been unavoidable.

I am, Ladies and Gentlemen,

Your obedient Servant,

THOMAS LAUDER THOMSON,
Medical Officer of Health.

HEALTH OFFICE,
88 COLLEGE STREET, DUMBARTON.



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MEDICAL OFFICER'S REPORT

FOR YEAR 1940.

VITAL STATISTICS.

POPULATION.—For obvious reasons details of population are not recorded this year.

BIRTHS AND BIRTH-RATES.—The total number of live births registered during 1940 was 1104, which is 3 less than in the previous year. 59 of these births were transferred out (30 male and 29 female), but on the other hand 356 (186 males and 170 females) were transferred in from other Local Authority areas. The corrected figure therefore was 1401, which is 21 more than the figure for 1939. Still-births amounted to 42, one more than the previous year. Of these 3 were transferred out but on the other hand 40 were transferred in, making a corrected total of 79. 55 of the live births were illegitimate. The corrected birth-rate was 15.7 as against 15.9 in the previous year. The still birth-rate was 53 per 1000 births (including still-births).

DEATHS AND DEATH-RATES.—The number of deaths registered in the County area in 1940 was 1101, as against 975 in 1939. Of these 239 were transferred out but on the other hand 297 were transferred in, giving a corrected figure of 1159 (595 males and 564 females) as against 1071 in 1939. The corrected death-rate was 13.4 as against 12.4 in 1939. 16 persons died at the age of 90 or over (9 males and 7 females); 71 persons had attained the age of 85 or over at the time of death (27 males and 44 females).

It should be noted that deaths due to war conditions are excluded from the local returns.

INFANTILE MORTALITY.—The total number of deaths under one year was 104, 37 more than last year, which gives an Infantile Mortality-rate of 74 per 1000 births. This is higher than for several years past. The causes of death were as follows: congenital debility, premature birth, &c., 55;

pneumonia, 17; influenza, 8; whooping cough, 4; diarrhoea, 4.

These figures are somewhat disappointing as the continued low figures in the past few years had led one to hope that the reduction was of a more permanent nature. Possibly the existing conditions have some relation to the figures now shown.

DEATHS FROM INFECTIOUS DISEASES.—The following deaths were registered in 1940 as due to infectious diseases: whooping-cough, 7; diphtheria, 7; cerebro-spinal meningitis, 7; typhoid fever, 1.

DEATHS FROM TUBERCULOSIS.—During 1940, 46 deaths were reported as due to one or other form of tuberculosis. Of these 35 were due to pulmonary tuberculosis, giving a death-rate for this type of 0.41 per 1000 as against 0.28 in 1939. Deaths from other forms of tuberculosis numbered 11, giving a death-rate of 0.12 per 1000 as against 0.09 in the previous year.

The following table shows the period elapsing between notification and death, and between discharge from an institution and death, of all the above-mentioned cases:—

	Pulmonary.		Non-Pulmonary.	
	Male.	Female.	Male.	Female.
Not notified or notified only at or after death,	4	3	3	3
Notified less than 1 month before death,	1	2	1	3
„ from 1 to 3 months before death,	1	2	—	—
„ „ 3 to 6 „ „ „	5	2	—	—
„ „ 6 to 12 „ „ „	—	2	—	—
„ „ 1 to 2 years, „ „	2	1	1	—
„ over 2 years „ „	7	3	—	—
Totals, ...	20	15	5	6
Number who died within 28 days after discharge from an Institution, ...	—	1	—	—
Number who died more than 28 days after discharge from an Institution, ...	5	3	—	—

TABLE I.—VITAL STATISTICS COMPILED FROM INFORMATION SUPPLIED BY THE REGISTRAR GENERAL.

	Number Registered in District.	Transfers.		Corrected Number.			Rate per 1000 of Estimated Population (Both Sexes).
		Out.	In.	Both Sexes.	Males.	Females.	
Births (including Illegitimate), ...	1104	59	356	1401	742	659	15·7
Births (Illegitimate), ...	35	6	26	55	26	29	* 3·9
Births (still births), ...	42	3	40	79	40	39	† 5·3
Marriages, ...	738	—	—	—	—	—	8·3
Deaths—							
All Causes, ...	1101	239	297	1159	595	564	† 13·4
Tuberculosis, ...	—	—	—	46	26	20	0·53
Tuberculosis (Respiratory System), ...	—	—	—	35	21	14	0·41
Principal Epidemic Diseases, ...	—	—	—	78	45	33	0·90
Children aged under One Year, ...	—	—	—	104	53	51	§ 74

* Rate per 100 Births. † Rate adjusted for Age and Sex distribution = 13·3. § Rate per 1000 Births.

+ Rate per 100 Births (including still births).

NOTE.—Birth-rates and Marriage-rate are estimated on Total population in which an allowance is made for males in the Armed Forces.

DEATHS FROM INFLUENZA.—45 deaths were registered as due to influenza. This is very many more than in the previous year. The majority of these deaths occurred in the age periods after 35.

DEATHS FROM PNEUMONIA.—In 46 cases pneumonia was given as the cause of death as against 29 in the previous year and 63 in 1938.

DEATHS FROM CANCER.—Cancer of one sort or another caused 124 deaths (49 males and 75 females). This is two less than in 1939.

METEOROLOGY.

To maintain the continuous record, the meteorological table for the year is included.

A.—GENERAL SANITATION.

WATER SUPPLIES.

Twenty-four samples of water from the Western Area of the County were submitted for analysis during 1940. In 4 samples a small amount of lead or copper was found. In several instances the coli content was somewhat high and the area of catchment was examined; there was no evidence of pollution other than by drainage of grazing ground or by birds. In the case of one Local Authority supply, the high organismal count was no doubt due to a small rodent having been drowned in the clear water tank. This tank was cleaned out and no further complaint occurred. Seventeen samples from the Eastern Area were examined. One sample from a private source was unsatisfactory and advice was given as to the best means of improving the supply.

RIVERS POLLUTION PREVENTION.

RIVER LEVEN.—No complaint was received regarding the condition of this stream during 1940. The analyses of effluent from the Sewage Works and the river at high and low tide were satisfactory.

TABLE XIII.—COUNTY OF DUNBARTON (INCLUDING SMALL BURGHS)—STATEMENT OF CAUSES OF DEATH (CORRECTED FOR TRANSFERS) FOR 1940. COMPILED FROM FIGURES SUPPLIED BY THE REGISTRAR GENERAL.

CAUSES OF DEATH.			ALL AGES.	—1	1—	5—	10—	15—	25—	35—	45—	55—	65—	75—	85 and over.
1. Typhoid Fever (including Paratyphoid), ..	M.	1	...	...	...	...	...	...	...	1	...	...	...	...	...
	F.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2. Measles,	M.	1	...	1	...	...	...	...	...	...	...	...	...	...	...
	F.	1	...	1	...	...	...	...	...	...	...	...	...	...	...
3. Scarlet Fever,	M.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	F.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4. Whooping-cough,	M.	3	2	1	...	...	...	...	...	...	...	...	...	...	...
	F.	4	2	2	...	...	...	...	...	...	...	...	...	...	...
5. Diphtheria,	M.	4	...	1	3	...	...	...	...	...	...	...	...	...	...
	F.	3	...	2	1	...	...	...	...	...	...	...	...	...	...
6. Influenza,	M.	27	4	...	...	1	...	1	2	3	4	8	3	1	...
	F.	18	4	...	...	...	...	...	2	3	3	3	2	1	...
7. Cerebro-Spinal Fever,	M.	3	...	1	1	...	...	1	...	...	...	...	...	...	...
	F.	4	1	2	...	...	...	...	...	1	...	...	...	...	...
8. Other Epidemic Diseases,	M.	6	...	...	...	...	...	1	...	1	3	1	1	...	...
	F.	3	...	...	...	...	...	...	1	...	...	...	1	1	...
9. Tuberculosis of Respiratory System,	M.	21	...	1	...	...	7	3	3	3	2	2	...	...	...
	F.	14	...	...	...	...	2	6	5	1	...	...	1	...	...
10. Other Tuberculous Diseases,	M.	5	...	2	1	...	1	...	...	...	...	...	...	...	...
	F.	6	1	2	...	...	3	...	...	...	...	...	...	...	...
11. Other Infectious and Parasitic Diseases,	M.	1	...	...	...	...	...	...	...	1	...	...	...	...	...
	F.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12. Cancer, Malignant Disease,	M.	49	...	1	...	1	...	...	1	7	9	16	14	8	1
	F.	75	...	...	...	...	...	...	1	7	9	20	28	8	2
13. Diabetes Mellitus,	M.	4	...	...	...	...	...	...	1	...	1	1	1	1	...
	F.	11	...	...	...	...	...	...	...	1	1	1	4	5	...
14. Other General Diseases; Chronic Poisonings,	M.	9	...	...	1	1	...	1	3	1	1	3	...	1	...
	F.	12	...	...	1	...	2	...	...	1	1	10	23	27	2
15. Cerebral Hæmorrhage, &c.,	M.	65	...	...	...	...	...	1	1	1	1	8	26	23	5
	F.	68	...	...	...	...	...	2	1	2	3	3	...	...	...
16. Other Diseases of Nervous System and Sense Organs,	M.	13	1	1	...	...	1	2	2	1	2	1	1	...	...
	F.	9	1	1	...	...	1	...	1	1	2	2	1	...	...
17. Heart Disease,	M.	156	...	...	...	...	...	...	5	10	29	53	50	9	...
	F.	158	...	...	...	...	...	3	2	9	29	52	47	16	...
18. Other Circulatory Diseases,	M.	10	...	...	...	...	...	...	...	1	2	3	1	3	...
	F.	11	...	...	...	...	...	...	...	...	2	5	1	3	...
19. Bronchitis,	M.	23	3	...	...	...	1	...	...	3	2	10	3	1	...
	F.	23	3	...	...	...	...	...	...	2	2	5	6	5	...
20. Pneumonia (all forms),	M.	24	5	3	...	...	1	...	1	1	3	4	5	1	...
	F.	22	12	1	...	...	1	...	1	2	1	1	3	...	...
21. Other Respiratory Diseases,	M.	5	1	...	...	...	...	...	2	...	...	1	...	1	...
	F.	3	...	...	...	...	1	...	...	...	...	1	...	...	...
22. Gastric and Duodenal Ulcer,	M.	10	...	...	...	...	...	...	2	2	3	2	...	1	...
	F.	3	...	...	...	...	...	1	...	...	1	1	...	...	...
23. Diarrhœa, &c. (all ages),	M.	5	3	2	...	...	...	...	...	...	...	...	...	...	...
	F.	4	1	2	...	...	...	...	...	...	...	...	1	...	...
24. Appendicitis,	M.	2	...	...	1	...	...	...	...	...	...	...	1	...	...
	F.	3	...	...	...	...	...	...	1	1	1	...	...	...	...
25. Cirrhosis of Liver,	M.	1	...	...	...	...	...	...	...	...	1	...	...	...	...
	F.	2	...	...	...	...	...	...	...	...	1	...	1	...	...
26. Other Diseases of Liver, &c.,	M.	3	...	...	...	...	...	...	...	...	1	...	3	...	...
	F.	4	...	...	...	...	...	...	...	...	...	1	...	...	...
27. Other Digestive Diseases,	M.	9	1	...	1	...	...	1	...	2	1	2	1	...	...
	F.	7	1	...	...	...	...	1	...	1	2	1	1	...	...
28. Acute and Chronic Nephritis,	M.	19	...	...	...	...	...	...	3	...	6	5	4	1	...
	F.	18	...	...	...	2	...	...	2	...	3	6	3	...	...
29. Other Diseases of Genito-Urinary System,	M.	9	...	...	...	...	...	...	...	1	1	2	4	1	...
	F.	6	...	1	...	...	1	1	...	...	1	2	...	...	...
30. Puerperal Sepsis,	F.	4	...	...	...	...	1	3	...	...	...	...	...	...	...
31. Other Puerperal Causes,	F.	6	...	...	...	...	2	2	2	...	...	...	...	...	...
32. Diseases of Skin and Locomotor System,	M.	1	...	...	...	...	...	...	...	...	1	...	1	...	...
	F.	2	...	...	...	...	...	...	...	...	...	...	...	...	...
33. Congenital Debility, Premature Birth, Malformations, &c.,	M.	33	33	...	...	...	...	...	...	...	...	...	...	...	...
	F.	22	22	...	...	...	...	...	...	...	...	...	2	9	5
34. Old Age,	M.	16	...	...	...	...	...	...	...	...	...	...	4	12	8
	F.	24	...	...	...	...	...	...	...	2	2	...	...	...	...
35. Suicide,	M.	6	...	...	...	...	...	...	1	1	1	...	...	...	...
	F.	3	...	...	...	...	...	...	...	...	...	...	...	...	...
36. Other Violence,	M.	*49	...	2	1	1	1	4	3	5	11	7	9	4	1
	F.	7	1	1	...	...	...	1	...	...	...	1	...	2	1
37. Causes ill-defined or unknown,	M.	2	...	...	...	...	...	...	1	...	...	...	1	...	...
	F.	4	2	...	...	...	...	...	...	...	...	...	...	1	1
ALL CAUSES,			M.	595	53	16	9	4	15	14	35	52	97	150	27
			F.	564	51	15	2	2	16	20	26	38	83	148	44
				1159	104	31	11	6	31	34	61	90	180	298	71

* Includes one death in which age not stated.

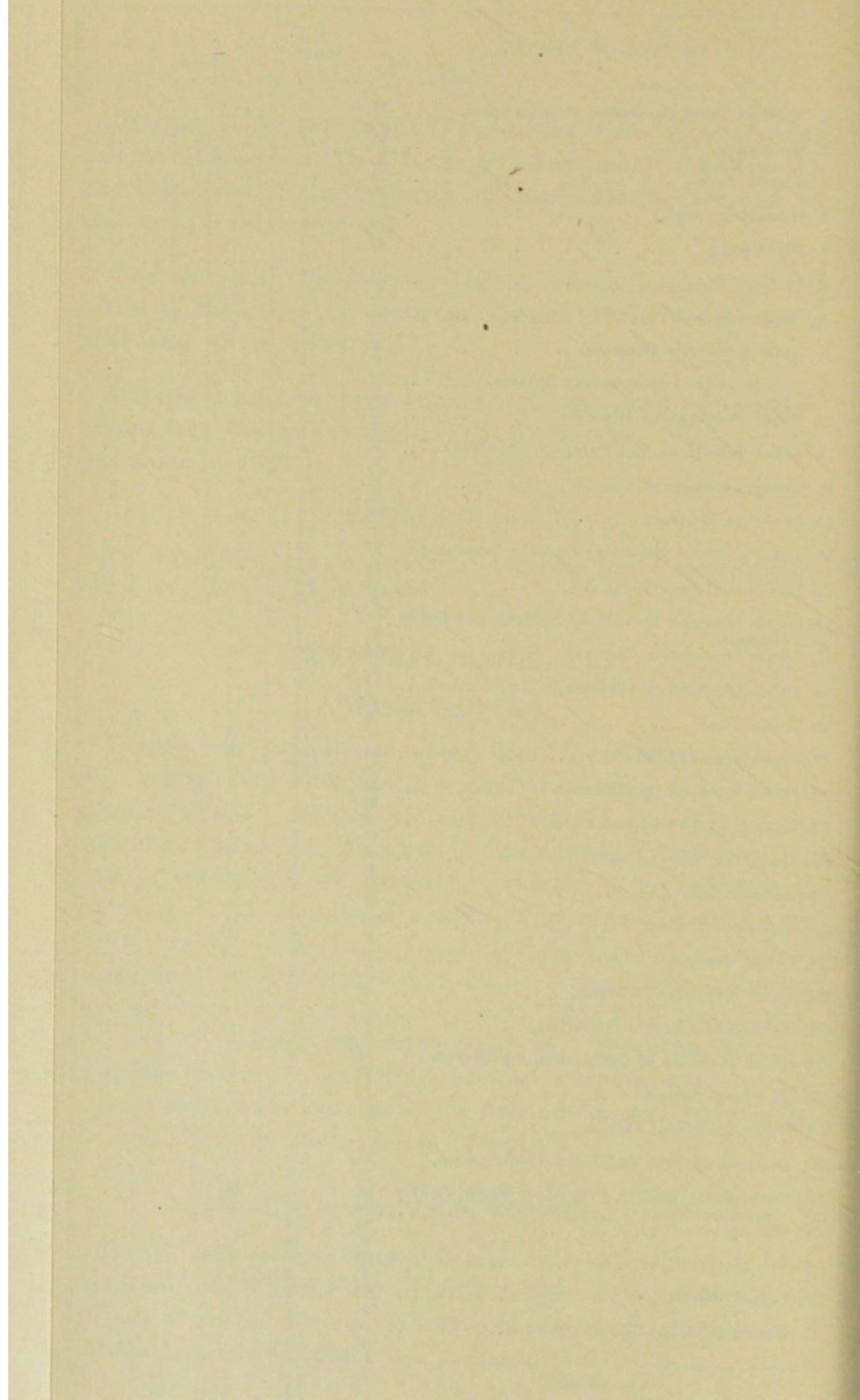


TABLE III.—RAINFALL DURING 1940.

STATION.	OBSERVER.	Rain Gauge.			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.	
		Diameter.	Height above Ground.	Height above Sea-level.														
		in.	ft. in.	ft.														
Whistlefield, Clear Water Tank, ..	Neil M'Kellar, Water Superintendent,	8	1 0	342	Rain in inches,	2.51	3.75	5.95	5.43	1.65	1.51	3.83	3.63	6.07	7.77	9.71	9.84	61.65
Rhu, Filter House, ..	John Black, Water Superintendent,	8	1 0	350	Rain in inches,	2.10	3.07	5.17	4.95	0.77	0.54	3.36	3.30	4.41	7.50	8.14	7.02	50.33
Valve House, Luss Rd., Helensburgh,	Jas. N. Stirling, Burgh Surveyor,	8	1 0	293	{ Rain in inches, { Days on which rain fell,	3.90 14	3.08 15	4.69 20	2.31 22	1.05 13	0.72 8	3.79 21	2.66 16	3.72 21	6.80 19	7.10 24	5.73 19	45.55 212
Glen Finlas, ..	George Beaton, Water Superintendent,	..	..	..	{ Rain in inches, { Days on which rain fell,	2.72 7	3.99 12	8.12 19	4.50 22	1.70 13	1.21 7	4.47 21	5.28 18	6.09 19	9.93 19	10.61 24	9.59 18	68.21 199
Renton Filters, ..	William Buchanan, Water Superintendent,	8	4 0	292	{ Rain in inches, { Days on which rain fell,	2.48 9	1.61 15	4.10 20	3.47 20	1.35 10	1.08 7	4.13 18	2.34 14	4.42 18	6.29 18	7.43 24	6.28 17	44.98 190
Garshake, ..	W. B. Carberry, Water Superintendent,	8	1 0	235	Rain in inches,	1.35	1.78	3.38	4.05	1.55	0.90	3.40	1.76	4.00	6.04	6.75	5.21	40.17
Loch Humphrey,	Do.	8	1 0	1052	Rain in inches,	0.96	1.77	3.83	5.10	1.70	1.07	5.25	2.93	4.46	6.55	6.59	5.20	45.41
Cochno Filters, ..	E. T. Collins, Water Superintendent,	5	1 0	400	{ Rain in inches, { Days on which rain fell,	0.51 3	3.69 10	4.54 21	2.92 19	1.53 12	0.81 8	3.58 19	2.58 16	4.60 17	6.49 18	4.38 23	4.24 20	39.87 186
Cochno Loch, ..	Do.	5	1 0	909	Rain in inches,	0.70	2.06	5.80	4.21	1.79	1.45	5.49	3.17	5.56	7.34	7.20	6.00	50.77
Jaw Reservoir, ..	Do.	5	1 0	912	Rain in inches,	0.69	5.05	6.35	3.85	1.83	1.39	4.93	3.36	6.14	7.40	7.04	5.50	53.53
Greenside Reservoir, ..	Do.	5	1 0	875	Rain in inches,	0.53	4.61	5.98	4.45	1.84	1.12	4.74	2.90	5.38	7.37	6.93	4.94	50.79
Mugdock Reservoir, ..	Engineer and Manager, Corporation of Glasgow,	..	..	320	Rain in inches,	3.55	1.90	5.00	3.70	1.60	0.95	3.95	2.80	4.60	6.15	5.85	5.45	45.50

GARELOCH.—A complaint was received in April regarding the condition of the loch, due to a number of foreign ships lying there. On inspection it was found that in places the loch had a considerable amount of scum on it. This consisted of oil, coal ashes, and debris of various kinds. No action could be taken.

AUCHENTOSHAN BURN.—In June, I made the following report:—

“ I have now made an inspection of this burn. There is very little water in it at the present time. The burn has been considerably deepened since I was last there and I think the flow is even less now than it used to be. There was no nuisance whatever and no smell from the burn. The sentry at the oil tanks, who is within a yard or two of the burn, said that he only very occasionally smelt anything from it.

As a matter of fact the Admiralty appear to have taken charge of this burn, having put a sluice at the top end, and I am of opinion that they should be asked to pipe the burn down to the culvert. I cannot see how it can be piped otherwise because the burn must be in their property and the only power under the Public Health Act refers to a burn which becomes a sewer and may be piped in as such.”

The matter was referred to the Admiralty.

DUNTOCHER BURN.—In April a complaint was received about fish poisoning in the Duntocher Burn and a sample was taken for analysis. The report from the analyst showed that there was nothing at that time in the water which might be toxic to fish, although the burn contained a small trace of sewage pollution.

RIVER LUGGIE.—About the middle of May a complaint was received from the District Council regarding the condition of the Luggie water. An inspection was made and it was confirmed that the river was in a bad condition. It was stated that at that time the pumping apparatus at Wester

Gartshore was out of order and that a very black effluent was reaching the river. The Cadzow Coal Company was informed of this and some time later a meeting was held with representatives of the company, when remedial measures were fully discussed. Very little improvement was effected, however, by the end of the year.

BOTHLYN BURN.—The above complaint also referred to the Bothlyn Burn. The attention of the Lanarkshire Authorities was called to the condition of this stream and in October an assurance was received that a scheme had been put into operation for the elimination of coal washings from this burn.

BOARD BURN.—This is another burn receiving coal washings. The condition of the burn, which eventually discharges into the Kelvin, is deplorable. The ditch which conveys the washings to the Board Burn rises in marshy ground near Drumgrew Pit, and although there is not much pollution from that pit it receives during its course a discharge from Pit No. 3—marked on O.S. Map as No. 5—which is heavily loaded up with coal gum. The ditch joins the Mosswater Burn, which eventually becomes the Board Burn.

This burn runs past Twechar and after that is often referred to as the Shirva Burn.

A meeting was held with the representatives of Messrs. Baird & Scottish Steels, Limited, when the whole matter was fully discussed. Nothing had been done, however, by the end of 1940 to improve the condition of these streams.

PARK BURN.—This burn arrives in Dunbartonshire through a tunnel from Lanarkshire. It is not polluted in the County of Dunbarton. From time to time pollution with coal washings occurs from Wester Auchengeich Colliery. The attention of the Lanarkshire Authorities was called to its condition.

DRAINAGE AND SEWAGE PURIFICATION AND DISPOSAL.

War conditions greatly hampered operations for the

improvement of drainage in the various areas in the County. The County Engineer has supplied me with a report on any matters of interest and the report is appended.

NUISANCES.

INCHBELLY CAMPING GROUND.—At the beginning of the year complaints were received about the condition of the triangular piece of ground near Inchbelly Bridge, which is used by tinkers and others as a camping ground.

An inspection showed that the ground was in a very filthy condition and that the stream which runs along one side of the ground was being used as a dumping place for refuse. The matter came before the Committee, when steps were taken to deal with the matter.

GROWING OF MUSHROOMS AT CARDROSS.—In the latter part of the year complaints were received regarding the growing of mushrooms in a condemned house. It was alleged that the smell from the medium in which the mushrooms were grown was offensive and that a plague of flies was thereby created.

The Public Health Committee had had this question before them at a prior date, when the process was fully explained and sanction for the use of this property given. It was stated that the material used for growing the mushrooms was not manure; it was merely straw impregnated with a material called Cropost. The mixture was allowed to lie in the open for a time and when taken into the house had no particular smell. During the maturing process outside there was a slight smell of ammonia.

Visits were paid while the process was in operation and it was found that no exception could be taken to the procedure as far as the health of the community was concerned.

OFFENSIVE TRADES.

There are no offensive trades carried on in the County.

PRIVATE STREETS.

FOOTPATHS AT CUMBERNAULD.—The question of repair of

footpaths in Cumbernauld was considered at various meetings during the year. In November a report by the Medical Officer and Sanitary Inspector was asked for. The matter was not disposed of by the end of the year.

FOOTPATH AT OLD KILPATRICK.—The repair of this path was carried out, the owners agreeing to pay the cost.

RAT CAMPAIGN.

RATS AND MICE (DESTRUCTION) ACT, 1919.

“ RAT WEEK,” 25TH-30TH MARCH, 1940.

The following is the joint report submitted by the County Sanitary Inspectors :—

The National necessity made it very important that the campaign this year in connection with the destruction of rats and mice should be conducted with the utmost vigour. All methods used in former years in directing the attention of the public to the ravages of these pests were again used, with the exception of coloured posters, the shortage of paper and the necessity of conserving as much as possible being responsible for this omission. Handbills were, however, sent to all farmers, shopkeepers, and to occupiers of all premises which might be subject to infestation, advising them as to where poisons could be obtained and as to methods of destruction.

In visits, particularly to farms, opportunity was taken to advise farmers on some of the methods of destruction, and it is pleasing to record that some farmers are now making use of the “ Horo ” gun where other methods not so convenient have not given entire satisfaction, and where this method can, according to the place of infestation, be operated. One farmer has by this method, destroyed approximately 200 rats.

Extensive poisoning and gassing of burrows was carried out at all scavenging coups within the County, “ Cyano ” gas and Carbon Bisulphide being suitable and very effective for this purpose. All premises notified as being infested, or where there was a likelihood of infestation, were visited, inspected and advice was given to the occupier as to the best means of dealing with the vermin.

As in former years, the Burgh Surveyors and Sanitary Inspectors within the Burghs in the County co-operated with this Department, while the Chief Constable again kindly granted permission to retain rat poisons in the police stations during "Rat Week."

It is very difficult to estimate the number of rats destroyed, but we feel confident that their number must have been very considerably reduced.

The following poisons were sold to the public during "Rat Week":—

67 tins Rodine.

14 bottles Klearwell Liquid.

11 packets Klearwell Rat Biscuits.

B.—HOUSING AND TOWN PLANNING.

DEFECTIVE OR UNINHABITABLE HOUSES.—During 1940, 29 representations were made under Section 16 (1) of the Housing (Scotland) Act, 1930, or the Housing (Scotland) Act, 1925, to the Local Authority. The number of houses affected was 36.

BONHILL.

Situation of Property.	No. of Houses.	Apartments.			
		1	2	3	4
12-14 Mitchell Street, Alexandria, - - - - -	1	—	1	—	—
1 Campbell Street, Bonhill, -	1	—	1	—	—
180 Main Street, Jamestown, -	1	—	—	1	—
4 Mitchell Street, Alexandria -	1	—	1	—	—
26-28 Random Street, Alexandria, - - - - -	1	—	1	—	—
72 Main Street, Alexandria, -	1	—	1	—	—
	6	—	5	1	—

RENTON.

Situation of Property.	No. of Houses.		Apartments.			
	1	2	3	4		
2 Station Street, - - -	1	—	1	—	—	
29 Main Street, - - -	1	—	1	—	—	
92 Back Street, - - -	1	—	1	—	—	
139 Back Street, - - -	1	1	—	—	—	
18 Thimble Street, - - -	1	1	—	—	—	
21 Burn Street, - - -	1	—	1	—	—	
	6	2	4	—	—	

GARELOCH.

Situation of Property.	No. of Houses.		Apartments.			
	1	2	3	4		
Woodlea, Garelochhead, - -	1	—	1	—	—	
Hotel Building, Clynder, - -	3	—	1	1	1	
	4	—	2	1	1	

OLD KILPATRICK.

Situation of Property.	No. of Houses.		Apartments.			
	1	2	3	4		
Clover Cottage, Main Street, -	1	—	—	—	1	
	1	—	—	—	1	

DUNTOCHER AND HARDGATE.

Situation of Property.	No. of Houses.		Apartments.			
	1	2	3	4		
51, 52, 53 William Street, Duntocher, - - - - -	3	3	—	—	—	
Colbreggan Place, Hardgate, -	1	1	—	—	—	
1 Victoria Place, Hardgate, -	1	—	1	—	—	
Old Forge, Hardgate, - -	1	—	1	—	—	
Black's Land, Hardgate, - -	1	—	1	—	—	
The Snab, - - - - -	2	1	1	—	—	
Walkers Land, Duntocher, - -	2	—	1	1	—	
	11	5	5	1	—	

CUMBERNAULD.

Situation of Property.					No. of Houses.	1	Apartments.		
							2	3	4
The Wynd,	-	-	-	-	1	—	1	—	—
Main Street,	-	-	-	-	2	1	—	1	—
South Muirhead,	-	-	-	-	5	—	1	2	2
					8	1	2	3	2
					No. of Houses.	1	Apartments.		
							2	3	4
Total for all areas,	-	-	-	-	36	8	18	6	4

The 6 houses referred to on page 22 of last year's Report as not finally dealt with at the end of the year were considered during 1940. As a result, Demolition Orders were made for 3 houses at Burnbrae, Waterside, a Closing Order for the house at Havelock, Teighness, Arrochar, and undertakings for 1 house each at Eagle Inn, Condorrat, and Roadside, Cumbernauld.

Of the 36 houses represented against during 1940, 6 were the subjects of Demolition Orders and 23 of Closing Orders. The Closing Orders for the houses at 12-14 Mitchell Street, Alexandria, 21 Burn Street, Renton, and 51 William Street, Duntocher, were made by the Committee in January, 1941. Undertakings were accepted for 6 houses and action was delayed in the case of 1 house at South Muirhead, Cumbernauld.

The Committee granted sanction for the use of the following uninhabitable properties as stores: Rowanbrae Cottage, Garelochhead, Slate House of Aber, Kilmaronock, and 2 houses at The Wynd, Cumbernauld. Permission was granted to use Craigend, Cardross, as a mushroom farm, provided no nuisance was created.

In the course of the year the following properties which had been represented against and declared unfit for human habitation were reconditioned and the prohibition withdrawn:—

257 Main Street, Bonhill.

24 and 26 Random Street, Alexandria.

29 Back Street, Renton.

Havelock, Teighness, Arrochar.

2 Station Street, Renton.

1 Victoria Place, Hardgate.

Hotel Buildings, Clynder.

187 Main Street, Jamestown (subject to the provision of a water-closet).

NOTES FROM THE COUNTY ARCHITECT REGARDING HOUSING SCHEMES.

I am indebted to the County Architect for the following notes:—

ADMIRALTY SITE, ALEXANDRIA.—The 26 houses comprising the last development of this scheme were completed in the month of May.

DUNTOCHER.—104 houses. It was possible to have 22 houses completed and occupied by the end of the year, but progress had been anything but satisfactory due to dearth of labour and scarcity of materials.

HARDGATE.—18 houses. This scheme was completed about the month of March.

BEARSDEN.—32 houses. It was the month of June ere it was possible to have this scheme completed, labour and material difficulties being the cause of the delay.

TWECHAR.—48 houses. This scheme was also completed by the month of June.

CUMBERNAULD (Village Site).—30 houses. Owing to site difficulties, this scheme had to be reduced to 22 houses and was completed in the month of December.

CROY.—36 houses. Progress had been very slow on this scheme, but it was ready for occupancy in the month of September.

ROSNEATH.—4 houses. The month of June saw this scheme completed.

CORDALE, RENTON—Second Development.—92 houses. The weather in the early part of the year was severe in the extreme and work was held up for some months. On resumption, labour was difficult of obtainment and the bringing of materials under licence did much to retard progress. It is hoped, however, to have 20 houses ready in the spring of next year.

HOUSING (RURAL WORKERS) ACTS.

Under the Acts, only two applications embracing 3 houses were received during the year, grants approved totalling £300.

C.—FOOD SUPPLY.

Details of the work done in the supervision of food supplies are contained in the reports by the County Sanitary Inspectors. One prosecution was instituted and a butcher fined £1 for failing to exhibit the required notice in his van that the sausages offered for sale contained preservatives.

D.—MEDICAL SERVICES.

MATERNITY SERVICE AND CHILD WELFARE.

On 6th November, 1939, the Secretary of State for Scotland approved the County Council's Scheme for the provision of Midwife and Medical Services to women within their own homes, under the Maternity Services (Scotland) Act, 1937. It was not found possible to have the scheme brought into operation during 1940, but permission was given to appoint certain staff. A Supervisor of Midwives was appointed as an officer under the scheme and three full time midwives were appointed to act under the existing Maternity Service and Child Welfare Scheme. The names of these officers will be found in the list of staff.

STATISTICS REQUIRED BY APPENDIX TO BOARD OF HEALTH'S CIRCULAR, DATED 27TH DECEMBER, 1929.

By the above circular, a detailed statement of particulars in connection with the Child Welfare Schemes of the County

is required, and the relative information is set out in the consecutive order specified by the circular, with the addition of several tables giving fuller details.

1. *Births*.—(a) Number registered—(i) legitimate, 1401; (ii) illegitimate, 55. (b) Number notified, 1395. (This figure includes 309 births which occurred in institutions out-with the area.) (c) Number classified according to nature of attendance—doctor only, 349; midwife only, 436; both doctor and midwife, 301; not attended by either doctor or midwife, nil. (d) Number of still-births (births of dead children) 79; 3 of which were transferred out of the area, and 40 transferred in; giving 42 cases actually occurring within the County.

2. *Infantile Mortality*.—(a) Number of deaths, 104; (b) rate per 1000 births, 74; (c) number of deaths and rates per 1000 births classified according to age-groups and causes of death (see Table VII).

3. *Maternal Mortality*.—(a) Number of deaths resulting from miscarriage or childbirth, 6; (b) number of deaths resulting from puerperal sepsis, 4.

4. *Report under Midwives (Scotland) Act, 1915*.—There are 21 midwives practising in the county; 19 of these are qualified by examination. The others were in practice when the Midwives (Scotland) Act passed, and thus were automatically added to the Midwives' Roll. The following gives the details of the Annual Report on the working of the Act during 1940 as required by the Central Midwives Board:—

REPORT.

BIRTHS IN DISTRICT—

Total number of births registered in 1940,	- -	1401
Actual number of births attended by midwives		
during 1940,	- - - - -	436
Total number of deaths of new-born children (within		
ten days) during 1940,	- - - - -	22

Actual number of deaths of new-born children (within ten days) occurring in the practice of midwives during 1940, - - - - - 8

Actual number of cases not attended by a } Births, Nil
doctor or midwife during 1940, - } Deaths, Nil

In addition to the above, 309 notifications were received of births in institutions outside the area. Twenty-nine of these were still-born.

CASES OF OPHTHALMIA NEONATORUM—

Total number of cases during 1940, - - - - - 2

Actual number of cases occurring in the practice of midwives during 1940, - - - - - Nil

Actual number of cases occurring where confinement not attended by a doctor or midwife during 1940, Nil

CASES OF PUERPERAL SEPSIS—

Total number of cases during 1940, - - - - - 17

Total number of deaths during 1940, - - - - - 4

Actual number of cases occurring in the practice of midwives during 1940, - - - - - 6

Actual number of deaths occurring in the practice of midwives during 1940, - - - - - 1

Actual number of cases occurring where } Cases, Nil
confinement not attended by a doctor } Deaths, Nil
or midwife in 1940, - - - - -

CASES OF PUERPERAL PYREXIA—

Total number of cases during 1940, - - - - - 12

Total number of deaths during 1940, - - - - - Nil

Actual number of cases occurring in the practice of midwives during 1940, - - - - - 4

Actual number of deaths occurring in the practice of midwives during 1940, - - - - - Nil

Actual number of cases occurring where } Cases, Nil
confinement not attended by a doctor } Deaths, Nil
or midwife in 1940, - - - - -

CASES OF STILL-BIRTH (DEAD-BORN)—

Total number of cases during 1940,	-	-	-	37
Actual number of cases occurring in the practice of midwives during 1940,	-	-	-	18

CASES OF EMERGENCY—

In 109 instances midwives requiring the assistance of a medical practitioner sent in the statutory forms.

The emergencies were as follows:—

Abortion,	-	-	-	-	-	4
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Pregnancy complicated by—

Threatened abortion,	-	.	-	-	1
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Ante-partum hæmorrhage,	-	-	-	6
-------------------------	---	---	---	---

Oedema of legs and feet,	-	-	-	1
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Albuminuria,	-	-	-	1
--------------	---	---	---	---

Prolapse of uterus,	-	-	-	1
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Hysteria,	-	-	-	1
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Cystitis,	-	-	-	1
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Delivery complicated by—

Contracted pelvis,	-	-	-	1
--------------------	---	---	---	---

Early rupture of membranes,	-	-	1
-----------------------------	---	---	---

Placenta prævia,	-	-	-	1
------------------	---	---	---	---

Prolonged labour,	-	-	-	22
-------------------	---	---	---	----

Occipital posterior presentation,	-	-	1
-----------------------------------	---	---	---

Hand presentation,	-	-	-	1
--------------------	---	---	---	---

Breech presentation,	-	-	-	7
----------------------	---	---	---	---

Foot presentation,	-	-	-	1
--------------------	---	---	---	---

Presentation difficult to determine,	-	-	1
--------------------------------------	---	---	---

Perineal tear,	-	-	-	18
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Adherent placenta,	-	-	-	4
--------------------	---	---	---	---

Post-partum hæmorrhage,	-	-	-	2
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Puerperium complicated by—

Rise in temperature,	-	-	-	6
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Weakness,	-	-	-	1
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Phlebitis (white leg),	-	-	-	1
------------------------	---	---	---	---

Bronchitis,	-	-	-	1
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Inflammation of breasts,	-	-	-	3
--------------------------	---	---	---	---

Pleurisy and peritonitis,	-	-	-	1
---------------------------	---	---	---	---

Conditions of child—

Still-birth,	-	-	-	-	-	-	7
Feebleness,	-	-	-	-	-	-	3
Prematurity,	-	-	-	-	-	-	4
Vomiting,	-	-	-	-	-	-	2
Cyst on back of baby's neck,	-	-	-	-	-	-	1
Talipes equino-varus,	-	-	-	-	-	-	1
Inflammation of eyes,	-	-	-	-	-	-	2

 109

NOTIFICATIONS—

Statutory forms of notification were received during the year as under :—

Notification of still-birth,	-	-	-	-	-	3
Notification of liability to be a source of infection,	-	-	-	-	-	3
Notification of death,	-	-	-	-	-	1

During this year a Supervisor of Midwives was appointed, but there was no change in the administration of the Scheme in that no agreement had yet been reached with the British Medical Association as regards the Maternity Service (Scotland) Act, 1937.

The following supplementary figures are of interest:—

The percentage of total births attended by midwives only, was 40·2.

The percentage of total births attended by doctors only, was 32·1.

The percentage of total births attended by both, was 27·7.

The percentage of still-births was 3·8.

5. *Home Visitation.*—

	Number Visited.	Total Visits.
Infants,	1201	6561
Children (1-5 years),	4809	9749
Expectant mothers,	350	728
	<hr/> 6360	<hr/> 17,038

6. *Voluntary Health Visitors' Report.*—There are no

TABLE IV.—HOME VISITATION.

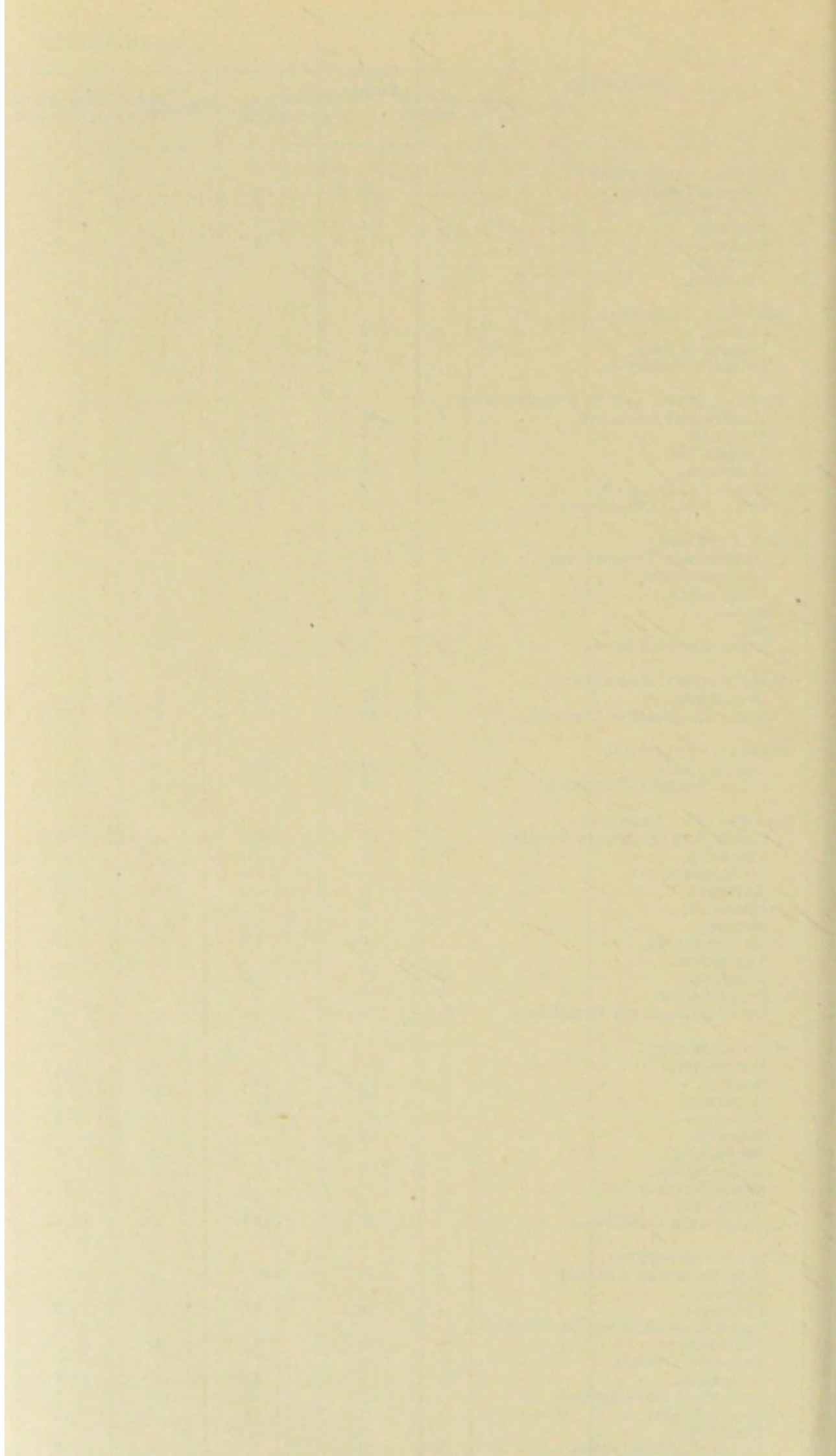
PARTICULARS.	County Totals.	AREA.							
		Vale of Leven.	Rest of Western Area (Landward).	Helensburgh (Burghal).	Cove and Kilcreggan. (Burghal).	East & West Kilpatrick (Landward).	Cumbernauld and Kirkintilloch (Landward).	Kirkintilloch (Burghal).	Milngavie (Burghal).
Number of Births intimated to Health Visitor during year,	1372	267	179	120	8	201	164	288	85
Number of First Visits :—	1653	421	174	145	8	11	207	315	135
To Children under 1 year,	1201	240	149	98	8	165	186	281	74
To Children from 1 to 5 years,	102	58	9	..	..	9	26	..	..
To Expectant Mothers, ..	350	123	16	47	3	33	33	34	61
Number of Revisits :—	17,038	2505	1748	1404	509	3054	2891	2969	1958
To Children under 1 year,	6561	1334	747	436	117	900	1196	897	934
To Children from 1 to 5 years,	9749	1038	975	838	370	2033	1606	1970	919
To Expectant Mothers, ..	728	133	26	130	22	121	89	102	105
Number of Visits to Midwives,	75	21	3	7	..	9	30	5	..
Number of Visits of Special Inquiry, ..	171	17	36	18	1	11	33	55	..
Number of Visits to Tuberculous Cases, ..	251	72	20	..	..	49	38	72	..
Total Visits, ..	19,188	3,036	1,981	1,574	521	3,330	3,237	3,416	2,093

TABLE V.—MATERNITY SERVICE AND CHILD WELFARE SCHEME CLINICS.

PARTICULARS.	County Totals.	CLINICS.								
		Alex- andria.	Renton.	Helens- burgh.	Duntocher.	Old Kil- patrick.	Twechar.	Cumber- nauld.	Kirkin- tilloch.	Milngavie.
Number of Clinics held— Health Visitor only attending, . . . Doctor and Health Visitor attending,	141 543	50 61	35 52	.. 75	51 50	.. 52	.. 50	.. 52	5. 99	.. 52
Ante-Natal Consultations— Number attending, . . . Total attendances, . . .	288 753	95 232	31 106	45 129	31 108	15 42	8 12	9 16	34 108	....
Referred to pre-natal Wards, . . . Referred to Family Doctor, . . . Treated at Clinic, . . .	23 7 284	8 2 131	4 2 25	7 3 35	2 .. 29	.. .. 15	.. .. 8	.. .. 9	2 .. 32	......
Post-Natal or other Consultations, . . .	567	86	60	7	43	34	16	15	306	..
Child Welfare Consultations— First Attendances— Under 1 year, . . . Over 1 year, . . . Total Attendances— Under 1 year, . . . Over 1 year, . . .	772 239 5023 3258	197 75 780 642	89 21 589 600	65 47 483 426	60 40 263 435	55 16 545 306	36 20 288 162	27 16 283 128	195 3 1218 423	66 1 595 136
Total number of Children attending Clinic during year, . . .	1850	516	131	132	223	147	113	87	300	201

TABLE VI.—DISEASES RECORDED ON CHILD WELFARE CLINIC CARDS.

DISEASES.	County Totals.	CLINIC DETAILS.								
		Alex- andria.	Ren- ton.	Helens- burgh.	Dun- tocher.	Old Kil- patrick.	Twechar.	Cumber- nauld.	Kirkin- tilloch.	Milngavie.
GENERAL CONDITIONS:										
General Debility, - - - -	48	10	7	7	..	..	3	16	5	..
Malnutrition, - - - -	2	2	..	..	..	..	..	..	..	..
Anæmia, - - - -	11	10	..	1	..	..	..	..	..	..
Rickets, - - - -	11	3	6	2	..	..	..	1	..	..
Snuffles, - - - -	1	..	..	..	..	..	1	..	..	..
Jaundice, - - - -	7	..	..	..	7	..	..	..	..	..
NERVOUS DISEASES:										
Chorea, - - - -	1	1	..	..	..	..	..	..	..	..
Paresis of Face, - - - -	..	..	..	..	..	..	..	..	..	..
Infantile Paralysis, - - - -	..	..	..	..	..	..	..	..	..	..
THROAT, NOSE, AND EAR CONDITIONS:										
Tonsils and Adenoids, - - - -	58	19	..	6	1	2	2	..	28	..
Tonsillitis, - - - -	7	2	..	..	..	..	5	..	..	..
Tongue Tie, - - - -	3	1	..	2	..	..	..	..	..	..
Otorrhœa, - - - -	20	13	..	3	..	1	..	..	3	..
Other Ear Diseases, - - - -	2	2	..	..	..	..	..	..	..	..
Other Nasal Conditions, - - - -	7	2	..	..	..	..	..	..	2	3
EYE DISEASES:										
Ophthalmia Neonatorum, - - - -	1	..	..	..	..	..	..	..	1	..
Conjunctivitis, - - - -	11	7	..	..	..	1	1	..	..	2
Blepharitis, - - - -	2	1	1	..	..	..	..	..	..	..
Squint, - - - -	6	6	..	..	..	..	..	..	..	..
Sty, - - - -	..	..	..	..	..	..	..	..	..	..
Other Eye Conditions, - - - -	8	..	2	..	..	..	1	1	4	..
RESPIRATORY DISEASES:										
Bronchitis, - - - -	32	10	3	..	..	..	3	..	12	4
Other Respiratory Diseases, - - - -	56	37	2	15	1	..	1	..	..	..
DENTAL CONDITIONS:										
Dental Caries, - - - -	49	15	..	..	2	1	6	5	20	..
Other Dental Conditions, - - - -	6	..	..	4	..	..	1	1	..	..
ALIMENTARY DISEASES:										
Conditions relating to Feeding, - - - -	52	25	..	23	3	..	1	..	..	..
Vomiting, - - - -	5	..	..	..	..	2	..	..	3	..
Indigestion, - - - -	..	..	..	..	..	..	..	..	..	..
Gastritis, - - - -	4	..	3	1	..	..	..	..	..	..
Enteritis, - - - -	1	..	..	..	..	..	..	..	..	..
Hernia, - - - -	6	4	..	..	..	1	..	..	..	..
Threadworms, - - - -	6	1	2	1	..	..	1	..	..	1
Tapeworm, - - - -	..	..	..	..	..	..	1	1	..	..
Diarrhœa, - - - -	21	7	..	7	..	..	1	..	..	..
Constipation, - - - -	16	3	..	9	..	..	..	..	3	3
Other Alimentary Conditions, - - - -	10	..	..	2	..	..	..	..	4	..
SKIN DISEASES:										
Ringworm, - - - -	..	..	..	..	..	..	..	..	..	..
Scabies, - - - -	21	18	..	2	..	..	..	..	..	..
Impetigo, - - - -	76	47	2	2	..	..	..	..	1	..
Eczema, - - - -	11	5	..	2	..	..	..	1	20	4
Alopecia, - - - -	1	..	..	1	..	..	..	..	..	4
Seborrhœa, - - - -	..	..	..	..	..	..	..	..	..	..
Septic Sores, - - - -	2	2	..	..	..	..	..	..	..	..
Septic Vaccination, - - - -	..	..	..	..	..	..	..	..	..	..
Nettlerash, - - - -	3	3	..	..	..	..	..	..	..	..
Other Skin Conditions, - - - -	25	14	2	..	..	1	2	..	6	..
OTHER CONDITIONS:										
Injuries due to Accidents, - - - -	10	10	..	..	..	..	..	..	..	..
Talipes, - - - -	..	..	..	..	..	..	..	..	..	..
Phimosis, - - - -	15	5	7	2	..	..	1	..	..	..
Conditions affecting Umbilicus, - - - -	..	..	..	..	..	..	..	..	..	..
Teething, - - - -	18	8	4	..	..	..	..	..	..	..
Enlarged Glands, - - - -	14	7	..	..	..	..	..	..	6	..
Abscesses, - - - -	9	4	..	3	..	..	..	1	3	3
Backward Development, - - - -	1	..	..	..	..	..	..	..	2	..
Septic Finger, - - - -	1	..	..	..	..	..	1	..	..	..
Deaf Mute, - - - -	1	..	..	..	..	..	1	..	..	..
Congenital Conditions, - - - -	3	1	..	2	..	..	..	1	..	..
Rheumatism, - - - -	..	..	..	..	..	..	..	..	..	..
Nocturnal Enuresis, - - - -	3	3	..	..	..	..	..	..	..	..
Infectious Disease, - - - -	33	..	..	..	..	..	..	..	..	..
Vertigo, - - - -	..	..	..	..	..	..	..	..	..	33
Growth on Spine, - - - -	1	..	..	..	..	..	..	..	..	..
Convulsions, - - - -	..	..	..	..	..	..	..	..	..	..
No Disease noted, - - - -	18	..	..	..	..	..	1	..	..	..
Attendance for weighing only, - - - -	479	105	61	18	87	62	..	..	146	..



COUNTY OF DUNBARTON.

TABLE VII.—MATERNITY SERVICE AND CHILD WELFARE, 1940.
CAUSES OF DEATH—CHILDREN UNDER ONE YEAR.

CAUSE OF DEATH.	Under 1 Week.	1 Week, and under 4 Weeks.	Total under 4 Weeks.	4 Weeks, and under 3 Months.	3 Months, and under 6 Months.	6 Months, and under 12 Months.	Total Deaths under 1 Year.	Rate per 1000 Births.
Smallpox, - - -	...	...	...	...	...	...	...	...
Chickenpox, - - -	...	...	...	...	...	...	...	...
Measles, - - -	...	...	...	...	...	...	...	...
Scarlet Fever, - - -	...	...	...	...	...	...	...	...
Whooping-cough, - - -	...	...	...	2	2	...	4	2·85
Diphtheria, - - -	...	...	...	...	...	...	...	...
Cerebro-Spinal Meningitis, - - -	...	...	...	...	1	...	1	·71
Erysipelas, - - -	...	...	...	...	...	...	...	...
Dysentery, - - -	...	...	...	...	...	...	...	...
Tuberculous Meningitis, ...	...	...	...	1	...	...	1	·71
Other Tuberculous Diseases, - - -	...	...	...	...	...	...	...	...
Meningitis (not Tuberculous), - - -	...	...	...	...	...	1	1	·71
Hydrocephalus, - - -	...	...	...	...	...	1	1	·71
Convulsions, - - -	...	...	...	...	1	...	1	·71
Pneumonia (all forms), - ...	...	...	...	4	10	5	19	13·56
Bronchitis, - - -	...	3	3	2	1	3	9	6·42
Diarrhoea and Enteritis, ...	...	...	...	...	1	...	1	·71
Other Digestive Diseases, ...	...	1	1	2	...	...	3	2·14
Congenital Malformations, - - -	2	...	2	...	...	...	2	1·35
Congenital Heart, - - -	5	...	5	...	...	1	6	4·28
Premature Birth, - - -	22	8	30	...	1	...	31	22·12
Atrophy, Debility, and Marasmus, - - -	4	1	5	1	1	...	7	4·93
Atelectasis, - - -	1	...	1	...	...	...	1	·71
Injury at Birth, - - -	4	...	4	...	...	...	4	2·85
Suffocation, overlaying, 1	1	1	2	...	...	...	2	1·42
Syphilis, - - -	...	...	...	...	...	...	...	...
Rickets, - - -	...	...	...	...	...	...	...	...
All other causes, - - -	...	2	2	...	2	4	8	5·71
Total, - - -	39	16	55	12	20	15	102	72·60

Voluntary Health Visitors connected with the scheme in the County.

7, 8, and 9. *Ante-Natal, Post-Natal, and Child Welfare Consultations*.—The information requested under these three headings will be found in Tables Nos. IV, V, and VI.

10. *Special Treatment Centres*.—The Local Authority owns no Special Treatment Centres, except the Ultra-Violet Light Treatment Centres mentioned below, but during the year, by arrangement with the Education Committee, 148 children were treated—93 children were sent to the School Dental Clinics for treatment; 15 children were referred to the Eye Clinics; and 40 children were attended to in connection with tonsils, adenoids, or ear conditions, while no children received treatment at the School Skin Clinics.

During the year dental treatment was sanctioned in the case of 49 expectant mothers; 17 expectant mothers required dentures, and the total cost of this service was £27 11s. 10d. Two applications were received for repairs to dentures.

Ultra-Violet Light Treatment is given at the Alexandria, Helensburgh and Duntocher Child Welfare Clinics, and at the School Clinic, Kirkintilloch.

The number of attendances made by Child Welfare patients during the year totalled 405. 25 cases were dealt with, and the following statement gives details of the conditions treated and the results obtained:—

Condition.	No. of Patients.	Improved.	Condition Unchanged.
Rickets, - - - -	5	4	1
Malnutrition, - - -	3	3	—
Debility, - - - -	9	6	3
Adenitis associated with septic tonsils, &c., -	6	4	2
Bronchial conditions, -	2	2	—

11. *Day Nurseries, Kindergartens, and Play Centres*.—The Day Nursery at Helensburgh was carried on by the County Council during the year. The total number of children attending was 38, of whom 10 were under one year and 28

over one year. The children under one year made 195 attendances, and those over one year 923 attendances—a total of 1118.

12. *Measles*.—(a) Number of cases notified—notification is not in force. (b) Number of deaths: (i) from measles, nil; (ii) from sequelæ, 2; (c) Number of cases removed to hospital, nil. Both cases occurred in institutions. (d) and (e) Number of special domiciliary visits and details of special staff engaged for epidemics—no arrangements of this kind were made.

13. *Whooping Cough*.—The remarks applicable to measles also apply to this disease. There were 7 deaths associated with whooping cough, the fatal complications being bronchopneumonia and gastro-enteritis.

14. *Ophthalmia Neonatorum*.—(a) Number of cases notified: (i) by doctor, 2; (ii) by midwife, nil; (iii) by institution, nil. (b) Number of cases in which infection was gonococcal, not known. (c) Number treated in residential institutions, 2. (d) Number of cases in which there was appreciable loss of vision, nil.

15. *Maternity Hospitals or Homes*.—The arrangements for ante-natal treatment still continue with the Royal Maternity Hospital, Glasgow, and in the course of the year 101 women from the County were treated in the Ante-natal Wards of this Hospital, while notifications were received for 113 live and 23 still births which had occurred in the Labour Wards. The conditions found in the 101 ante-natal cases were:—

Cardiac,	-	-	-	-	-	-	-	5
Albuminuria,	-	-	-	-	-	-	-	13
Ante-partum hæmorrhage,	-	-	-	-	-	-	-	5
Oedema,	-	-	-	-	-	-	-	1
Breech,	-	-	-	-	-	-	-	3
Threatened abortion,	-	-	-	-	-	-	-	9
Hyperemesis,	-	-	-	-	-	-	-	9
Obstetrical complications,	-	-	-	-	-	-	-	13
High blood pressure,	-	-	-	-	-	-	-	12

Pyelitis,	-	-	-	-	-	-	6
Contracted pelvis,	-	-	-	-	-	-	5
Hydramnios,	-	-	-	-	-	-	1
Cæsarean section,	-	-	-	-	-	-	1
Disproportion,	-	-	-	-	-	-	1
Incomplete abortion,	-	-	-	-	-	-	4
Inevitable abortion,	-	-	-	-	-	-	1
Eclampsia,	-	-	-	-	-	-	4
Varicose veins,	-	-	-	-	-	-	1
Threatened miscarriage,	-	-	-	-	-	-	2
Prolapse,	-	-	-	-	-	-	1
Transverse lie,	-	-	-	-	-	-	2
Fibroids,	-	-	-	-	-	-	1
Infantile paralysis,	-	-	-	-	-	-	1
Total,	-	-	-	-	-	-	101

16. *Homes for Unmarried Mothers Before and After Confinement.*—No provision is made for these under the scheme.

17 and 18. *Hospital for Sick Children and Convalescent Homes.*—By arrangement with the Glasgow Poor Children's Fresh-Air Fortnight and Cripple Children's League, 22 children were treated at the Biggart Memorial Home, Prestwick, during the year.

19 and 20. *Boarding-out and Home Helps.*—It was not found necessary to take any action under these headings during the year.

21. *Educational.*—No special classes, lectures, or demonstrations were held in the County during the year.

22. *Agencies.*—There are no other agencies associated with the scheme.

23. *Puerperal Fever and Puerperal Pyrexia.*—

(1) Total number of cases (corrected figures as finally diagnosed)—

(a) Puerperal Fever,	-	-	-	17
(b) Puerperal Pyrexia,	-	-	-	12

- (2) Total number of cases removed to Infectious Diseases Hospital—
- | | | |
|------------------------|-------|----|
| (a) Puerperal Fever, | - - - | 17 |
| (b) Puerperal Pyrexia, | - - - | 9 |
- (3) Total number of deaths, - - - - 4
- (4) Number of cases following instrumental delivery—
- | | |
|--------------------------------|---|
| (a) Puerperal Fever, - - - - | 1 |
| (b) Puerperal Pyrexia, - - - - | 3 |
- (5) Number of deaths occurring in cases included under No. 4, - - - - 1
- (6) Number of cases where the Local Authority provided assistance on the request of medical practitioners for—
- | | |
|-------------------------------------|-----|
| (a) Consultant service, - - - - | 1 |
| (b) Bacteriological examinations, - | Nil |
| (c) Skilled nursing at home, - - - | Nil |
| (d) Hospital treatment, - - - - | 26 |

24. *Other Provisions.*—Arrangements have been made under the scheme for the provision of skilled assistance at confinement, and 60 applications for such assistance were received during the year. Of these, 43 were granted and 17 were refused.

Supply of Food and Milk.—The supplies of extra food and milk were this year transferred to the jurisdiction of the Ministry of Food and therefore no statement as to the quantity and cost of milk, &c., can be given as was contained in Table VIII of the Report for 1939.

INFANT LIFE PROTECTION.

CHILDREN AND YOUNG PERSONS (SCOTLAND) ACTS,
1908 TO 1932.

From the Return for the year ending 15th May, 1940,

which is printed below, it will be seen that the number of children on the register was 5 less than in the preceding year. The following is the Return referred to:—

REGISTRATION.

Note.—Where one notice is received in respect of more than one child it should be treated as if a separate notice had been received in respect of each child mentioned.

Children on Infant Protection Register at 15th May, 1939, - - - - -	18
Notices received in terms of section 1 (1) of the 1908 Act, as amended by section 59 (1) of the 1932 Act,	2
Notices received from guardians on removal to the area of the Council from the area of another Authority,	—
Total, - - - - -	20
Notices received under section 1 (5) of the 1908 Act—	
Of deaths of children, - - - - -	—
Of removals of children, - - - - -	—
Removals under section 61 of the 1932 Act of children improperly kept, - - - - -	—
Children otherwise removed from Register—	
(a) On attaining age of nine years, - - - - -	7
(b) On guardians' removal from area of Council,	—
(c) For other reasons, - - - - -	—
Children on Register at 15th May, 1940, - - - - -	13
Total, - - - - -	20

INFANT PROTECTION VISITORS.

(a) *Women Visitors*—

Number appointed, 10. Number who are also Health Visitors, 10.

(b) *Men Visitors*—

Number appointed, 2. Number who are also Public Assistance Officers, nil.

Total number of visits paid during year by Infant
Protection visitors to children on Register, - - - 60

Note.—Each inspection of each child to be regarded as a separate visit, even where two or more children are resident with the same guardian.

PARTICULARS OF GUARDIANS.

Total number of guardians on Register, - - - 13
Number of guardians each keeping 3 infants for
reward, - - - - - —

INFECTIOUS DISEASE.

Enteric Fever.—1 case of typhoid fever and 10 cases of para-typhoid B. were reported during the year, as against 5 in the previous year. The case of typhoid fever occurred in Westerton; there was no source of infection discovered. 10 cases of para-typhoid B. were reported (one gave a negative reaction). 5 were in the Western Area and 5 in the Eastern. Regarding the former, 4 were in Alexandria and 1 in Cardross. 4 of the patients worked outside the County and took meals away from home but no definite source of infection could be traced. Of the 5 cases in the Eastern Area 3 were in Condorrat, 1 in Twechar, and 1 in Kirkintilloch. No sources of infection could be found. There was 1 death.

Scarlet Fever.—130 cases were reported during 1940 as against 294 in the previous year. 117 cases were removed to hospital. There were no special outbreaks. The cases were for the most part mild. No deaths occurred from this disease. The following was the distribution—Western Area, 75; Eastern Area, 55.

Diphtheria.—233 cases were notified as against 135 in 1939. Of these 156 occurred in the Landward part of the County and 77 in the Burghal areas. Of this latter number 54 were in Kirkintilloch. 162 of the cases notified had positive swabs. There were 7 deaths all under 5 years of age.

Erysipelas.—46 cases were notified as against 62 in 1939. 13 patients were removed to hospital.

Puerperal Fever and Puerperal Pyrexia.—17 cases of puerperal fever occurred, all of which were treated in hospital. The figure for 1939 was 9. As regards puerperal pyrexia, 12 cases were notified as against 15 in the previous year. 9 cases were treated in hospital. There were 4 deaths from puerperal sepsis.

Primary Pneumonia.—225 cases were notified as against 171 in 1939. There were 46 deaths from all forms of pneumonia.

Influenzal Pneumonia.—42 cases were notified as against 13 in 1939. 6 cases were removed to hospital.

Cerebro-spinal Meningitis.—32 cases were notified in 1940. This is a very considerable increase over any previous year. 5 cases were notified in 1939. The areas from which the cases came were Western Area Landward, 14; Helensburgh, 2; Eastern Area Landward, 10; Kirkintilloch, 4; and Milngavie, 2.

Of the 32 cases notified 10 were bacteriologically confirmed. 1 was diagnosed as tuberculous meningitis; 1 as pneumococcal meningitis; 1 as hydrocephalus; 9 were clinically cerebro-spinal meningitis although no fluid was obtained or the fluid reported as negative; 5 were diagnosed as meningitis but were not of a definite cerebro-spinal type; in 2 cases no definite diagnosis was made and they did not appear to have meningitis; 2 had no symptoms at all.

Infective Jaundice.—1 case was notified and examination proved that the case was positive. The history of the patient, who was a farm worker, showed that he took his lunch to the fields where he worked and hid it beside a wall. He had noticed that on several occasions it was interfered with by rats. The patient made a good recovery.

Poliomyelitis.—5 cases were notified as against 1 in the previous year. All cases were removed to hospital. Of the

TABLE VIII.—CASES OF INFECTIOUS DISEASE COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER DURING 1940.

PARISH.	Enteric Fever.	Scarlet Fever.	Diphtheria and Mem. Group.	Krysipelas.	Puerperal Fever.	Puerperal Pyrexia.	Primary Pneumonia.	Influenzal Pneumonia.	Poliomyelitis.	Cerebro-spinal Meningitis.	Infective Jaundice.	Dysentery.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other Tuberculosis.	Totals.
Arrochar,	..	7	7	..	..	..	..	..	..	..	..	..	..	..	..	14
Bonhill,	4	31	35	18	1	1	45	21	1	4	..	..	..	18	8	137
Cardross,	1	23	10	4	1	3	75	..	2	8	1	2	2	7	3	142
Dumbarton,	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Kilmaronock,	..	..	..	..	..	..	..	2	..	..	..	..	..	1	1	4
Luss,	..	..	..	1	..	..	1	..	..	..	..	1	..	..	..	3
Rosneath (Landward),	..	3	10	..	..	..	3	3	..	..	..	1	..	1	1	22
Rosneath (Burghal),	..	1	..	..	..	..	2	..	..	..	..	..	..	..	1	4
Rhu (Landward),	..	3	30	2	..	1	13	5	..	2	..	..	..	4	1	61
Rhu (Burghal),	..	6	36	3	1	2	23	3	..	2	..	1	..	3	4	84
West Kilpatrick,	..	8	14	8	5	2	22	3	2	7	..	3	..	8	8	90
East Kilpatrick (Landward),	1	12	9	2	..	..	8	4	..	1	..	..	..	12	2	51
East Kilpatrick (Burghal),	..	4	14	2	..	..	..	..	..	2	..	1	..	5	1	29
Kirkintilloch (Landward),	..	5	12	..	..	..	13	..	..	2	..	17	..	13	5	67
Kirkintilloch (Burghal),	1	20	54	3	9	2	13	1	..	4	..	5	..	11	5	128
Cumbernauld,	4	6	2	3	..	1	7	..	..	..	..	..	..	1	7	31
Totals,	11	130	233	46	17	12	225	42	5	32	1	31	2	*84	*47	918
Removed to Hospital,	11	117	224	13	17	9	151	6	5	32	..	26	2	41	17	671

The tuberculosis figures include all additions made to the register during the year; i.e. notified cases, cases transferred from other areas, and unnotified cases discovered in the death returns.

COUNTY OF DUNBARTON.

TABLE IX.—SHOWING THE NUMBER OF CASES OF INFECTIOUS DISEASE OCCURRING IN HOUSES OF DIFFERENT SIZES, &c., IN 1940.

Disease.	Number of Apartments.						Cases occurring in					Total No. of Cases.
	One.	Two.	Three.	Four.	Five.	Over Five.	Institutions.	Hotels.	Ships.	Tents.	House-boats.	
Enteric Fever, ...	1	1	3	5	1	...	...	...	...	...	...	11
Scarlet Fever, ...	2	40	44	20	5	16	3	...	...	...	...	130
Diphtheria, ...	7	60	61	33	24	29	13	...	5	1	...	233
Erysipelas, ...	1	12	10	9	3	5	4	...	1	1	...	46
Puerperal Fever, ...	...	6	9	2	...	...	...	...	...	...	...	17
Poliomyelitis, ...	...	4	1	...	...	...	...	...	...	...	...	5
Primary Pneumonia, ...	17	87	74	19	8	9	10	...	...	1	...	225
Influenzal Pneumonia, ...	3	13	5	8	4	7	2	...	...	...	...	42
Puerperal Pyrexia, ...	1	5	4	...	...	1	1	...	...	...	...	12
Cerebro-Spinal Meningitis, ...	3	8	11	5	...	3	2	...	...	...	...	32
Dysentery, ...	...	5	6	1	...	2	17	...	...	...	...	31
	35	241	228	102	45	72	52	...	6	3	...	784

5 cases 1 was between 1 and 5 years of age, 3 between 5 and 10 years, and 1 between 15 and 25 years.

Ophthalmia Neonatorum.—2 cases occurred, both were treated in hospital and no injury to sight resulted.

Dysentery.—31 cases of this disease were reported during 1940 as against 24 in the previous year. Of the positive cases 17 occurred in Woodilee Mental Hospital. The type was Flexner. The other positive cases occurred in the following areas: Kirkintilloch, 2; Duntocher, 1; Helensburgh, 1; Milngavie, 1; and Arden, 1. In 8 cases specimens were negative or no report was received. Of the positive cases 20 were of the Flexner type and 3 Sonne.

Infectious Disease at Dairy Farms.—7 cases were notified during the year: diphtheria, 2; scarlet fever, 2; cerebro-spinal meningitis, 1; influenzal pneumonia, 2. In no instance did any epidemic due to a milk supply occur. All cases except those of influenzal pneumonia were removed to hospital for treatment.

Infectious Disease in Children's Homes, Hospitals, &c.—During the year 32 cases were intimated. All these cases were treated in hospital. The only institutions in which more than one case occurred were Woodilee with 17 cases of dysentery and Blairvaddich Children's Home with 5 cases of diphtheria.

The following were also dealt with: 5 cases of erysipelas and 2 cases of diphtheria in military barracks or encampments, 1 case of measles in an hotel, 1 case of diphtheria in a residential school, 1 case of erysipelas on a ship and 1 case of influenzal pneumonia in a hut.

Closure of Schools.—It was not found necessary to close any of the schools for infectious disease during the year.

Smallpox Hospital Accommodation.—No further action was taken during 1940 regarding the provision of a hospital for this disease.

Vaccination.—Declarations of conscientious objection to vaccination were received during the year by the registrars in the various districts as under :—

Arrochar,	-	-	-	-	-	-	3
Bonhill,	-	-	-	-	-	-	174
Cardross,	-	-	-	-	-	-	8
Dumbarton,	-	-	-	-	-	-	—
Kilcreggan and Cove,	-	-	-	-	-	-	—
Kilmaronock,	-	-	-	-	-	-	—
Luss,	-	-	-	-	-	-	2
Renton,	-	-	-	-	-	-	89
Rosneath,	-	-	-	-	-	-	1
Rhu (Landward),	-	-	-	-	-	-	—
Rhu (Burghal),	-	-	-	-	-	-	—
Cumbernauld,	-	-	-	-	-	-	44
East Kilpatrick,	-	-	-	-	-	-	16
Kirkintilloch (Landward),	-	-	-	-	-	-	25
Kirkintilloch (Burghal),	-	-	-	-	-	-	148
Milngavie (Landward),	-	-	-	-	-	-	—
Milngavie (Burghal),	-	-	-	-	-	-	19
West Kilpatrick,	-	-	-	-	-	-	60
							<hr/> 589 <hr/>

War conditions have rendered the remarks made in previous years regarding the dangerously high percentage of unvaccinated children within the County even more applicable this year. The conscientious objections recorded is 51 per cent. of registered births.

TUBERCULOSIS.

REPORT ON COUNTY CASES AND TREATMENT.

At 31st December, 1940, the number of cases on the roll was 563. These cases were distributed as follows :—

272 Pulmonary cases.

291 Non-pulmonary cases.

Pulmonary Tuberculosis.—84 cases (50 males and 34

females) came to the notice of the Medical Officer during 1940. Of the 50 male cases, 34 were notified for the first time this year, 9 were transferred into this area and 7 were found in the death returns. As regards the 34 female cases, 27 were notified for the first time this year, 2 were transferred into this area and 5 were found in the death returns.

Of these 84 cases, 14 patients had no sputum. In 5 cases where no sputum was obtainable the patients were inmates of Woodilee Mental Hospital. In 15 cases it was not possible to obtain information regarding sputum, as 12 of the cases came to the notice of the Department through the death returns, 2 were cases transferred in at death and 1 case died before a specimen of sputum could be obtained. In a further 4 cases the patients left the district a short time after notification before sputum examination was carried out. Of the 46 patients from whom sputum could be obtained, 31 or 36·9 per cent. of the cases coming to our notice had a positive sputum. The age distribution of the cases was as follows:—

AGE PERIODS.								
Under 5	5—10	10—15	15—25	25—35	35—45	45—65	Over 65	Total
1	3	2	25	18	19	13	3	84

Of this number—

41 received sanatorium treatment during the year.

1 received domiciliary treatment.

32 died before the end of the year.

7 left the district.

1 was found not to be tuberculous and the patient's name was accordingly struck off the Tuberculosis Register.

The above total of 84 cases includes 12 patients from the Sanatorium of Woodilee Mental Hospital, all of whom died before the end of the year. For statistical purposes 11 of these deaths are transferred to other Local Authorities and are not included in the undernoted table which shows the

period of survival after notification, &c. The remaining death, that of a woman of 37 years has been accepted, as the patient was for over 10 years an inmate of that Institution, where she died from chronic phthisis.

Four further deaths which are not included in this table are those of two female cases, aged 28 and 29 years respectively, whose usual residence was in the Burgh of Clydebank, but who were temporarily resident in this area and were notified to this Department as suffering from pulmonary tuberculosis, and thereafter admitted to one of our hospitals. Both cases died whilst in hospital, one from acute pulmonary tuberculosis, the other from "pulmonary tuberculosis, spontaneous pneumothorax, mass (either glandular or neoplasm) in mediastinum, pericarditis." Both these deaths have been transferred to the Burgh of Clydebank. Another, a case transferred in at death as having suffered from tuberculosis of lungs and brain was classified at that time as a death from pulmonary tuberculosis. At the end of the year, however, it was found that the death had been classified by the Registrar General as being due to a non-pulmonary condition, and it has accordingly been included in the table of non-pulmonary deaths. The fourth case was that of a female, aged 51 years, who was diagnosed and treated as a case of pulmonary tuberculosis some years ago, before taking up residence in the County. She was admitted to hospital shortly after notification, but three months later developed symptoms of bronchial obstruction. A tentative diagnosis of bronchial carcinoma or retrosternal goitre was arrived at, and she was accordingly transferred to a general hospital for treatment. The patient remained only a few days in hospital when she left of her own accord to return to her home where she died 7 days later from mediastinal tumour (presumably carcinoma of bronchus).

Of those who died within the year, the average period of survival after coming to notice, was 7·29 weeks and the duration of life after notification is shown in the following table:—

CASES COMING TO NOTICE DURING 1940 AND DYING WITHIN THE YEAR.

Total	PERIOD OF SURVIVAL AFTER COMING TO NOTICE.							
	Under 1 Week	Under 1 Month	Under 3 M'ths	Under 6 M'ths	Under 9 M'ths	Over 9 M'ths	Notified at Death	In Death Returns
17	—	3	3	3	1	—	1	6

The case coming to notice at death was that of a youth of 19 years of age who had been admitted from this area to the Royal Infirmary, Glasgow, where he died from "tuberculous broncho-pneumonia, tuberculous meningitis."

Of the 6 cases found in the Death Returns, 3 were inmates of mental institutions: One had been a patient in Stirling District Mental Hospital, Larbert, but was transferred at a later date to Murthly Mental Hospital where death occurred. In the second case, death occurred in Montrose Royal Asylum. The third case was certified as chronic phthisis and occurred in Woodilee Mental Hospital, Lenzie, where the patient had been for over 10 years an inmate. Of the remaining cases found in the Death Returns, one was that of an able-bodied seaman in the Merchant Navy who was admitted to a general hospital in the county where he died from "acute tubercular pneumonia, cardiac failure." The duration of the existence of tuberculosis in these four cases was not stated on the death certificate, but in the fifth case the duration was given as 3 years, with haemoptysis 1 day. The doctor who issued the certificate was only called in at death, the patient's own doctor being away on Military Service. The final case was that of a patient of 74 years of age who was admitted from this area in June to a Glasgow nursing home for investigation and X-ray examination. The patient died 11 days after admission, and the cause of death was given as pulmonary tuberculosis, no duration of illness being stated on the death certificate.

The total pulmonary deaths for the year show an increase of 11 compared with the previous year, there being 24 pulmonary deaths in 1939 as against 35 deaths this year.

Non-Pulmonary Tuberculosis.—During the year under review, 47 cases (28 males and 19 females) came to the notice of the Medical Officer. Of the 28 male cases, 22 were notified for the first time this year; 4 cases were transferred into this area and the remaining 2 cases were found in the Death Returns. With regard to the 19 female cases, 14 were notified for the first time during the year, 2 cases were transferred into this area and 3 cases were found in the Death Returns. These cases may be conveniently classified according to age and situation of the disease as follows:—

Situation of the Disease.	AGE PERIODS.								Total.
	Under 5	5—10	10—15	15—25	25—35	35—45	45—65	65 & Over.	
Glands, -	3	6	7	6	1	—	—	—	23
Bones and Joints, -	1	1	—	1	—	—	—	—	3
Abdomen, -	—	3	2	2	—	—	—	—	7
Meninges, -	5	—	—	3	—	—	—	—	8
Other, -	—	—	—	2	—	1	—	—	3
Spine, -	1	—	—	1	—	—	1	—	3
Total, -	10	10	9	15	1	1	1	—	47

Of this number:—

17 were treated in sanatoria.

4 received domiciliary treatment.

9 died before the end of the year.

1 case left the district, and in

2 cases the patients were found not to be suffering from tuberculosis and their names were struck off the Tuberculosis Register.

There was an increase by 4 in the number of cases of non-pulmonary tuberculosis during 1940 as compared with the previous year, 47 cases coming to notice during 1940 as compared with 43 in 1939. As in previous years, "gland" infections were the largest proportion.

The notifications of other types of lesions remain somewhat steady.

As previously stated, the above total of 9 deaths is to be augmented by the addition of a death, originally accepted as being due to pulmonary tuberculosis, but classified by the Registrar General as a death from non-pulmonary tuberculosis.

Of these 10 deaths, 5 were discovered in the Death Returns, 2 were notified at death, while the remaining 3 were notified less than a week before death. The average period of survival was 1.1 days, while the duration of life after coming to notice is shown in the following table:—

CASES COMING TO NOTICE DURING 1940 AND DYING WITHIN THE YEAR.								
Total	PERIOD OF SURVIVAL AFTER COMING TO NOTICE.							
	Under 1 Week	Under 1 Month	Under 3 M'ths	Under 6 M'ths	Under 9 M'ths	Over 9 M'ths	Notified at Death	In Death Returns
10	3	—	—	—	—	—	2	5

In 3 of the 5 cases found in the Death Returns, death was due to tuberculous meningitis. In the fourth case, that of a child of 3 years of age, tuberculous meningitis was the primary cause, while broncho-pneumonia was the secondary cause of death. 3 of these cases died in County hospitals, while the fourth case was that of a nurse from Woodilee Mental Hospital who was admitted to a Glasgow hospital as a case of cerebro-spinal fever. On bacteriological investigation, after admission, the diagnosis was altered to that of tuberculous meningitis. The patient died 4 days after admission to hospital, and death was certified as stated. The fifth case found in the Death Returns died as the result of "tuberculous pericarditis—myocarditis," in a Glasgow infirmary.

Of the 2 cases notified at death, 1 was that of a baby who died from tuberculous meningitis, while the other case died from tuberculous meningitis and nephritis in a Glasgow children's hospital.

The three cases notified less than a week before death all died from tuberculous meningitis, two of the cases dying in hospital.

There is an increase in the number of deaths from non-pulmonary tuberculosis amongst cases coming to notice during the year as compared with the previous year, there being 10 deaths this year as against 8 deaths in 1939.

There is also an increase over the total non-pulmonary deaths for the year, there being 8 non-pulmonary deaths in 1939 as against 11 non-pulmonary deaths returned by the Registrar General during 1940.

Sanatorium Treatment.—During the year there were 129 patients treated in sanatoria, 8 of whom had treatment in two institutions within the course of the year, while 1 case received treatment on two occasions in the same institution. Yet another patient had treatment on three occasions in the same hospital. The following table gives the names of the sanatoria and the number of admissions to each:—

Name of Sanatorium.	Number of Admissions.
Lennox, - - - - -	25
Dumbarton, - - - - -	4
Helensburgh, - - - - -	16
Ruchill, - - - - -	10
Robroyston, - - - - -	5
Mearnskirk, - - - - -	1
Hairmyres, - - - - -	1
Shotts, - - - - -	1
Glenlomond, - - - - -	28
Tor-na-Dee, - - - - -	1
Bridge-of-Weir, - - - - -	13
St. Andrew's and Annexes, - - - - -	32
Biggart, - - - - -	2
Stobhill, - - - - -	1

Domiciliary Treatment.—There were 71 patients (41 pulmonary and 30 non-pulmonary) receiving domiciliary treatment (milk and eggs) during the year, the cost of which amounted approximately to £298 7s. 10d. The following table gives details of patients who were receiving these. The average duration of treatment for pulmonary patients was 6.97 months and for non-pulmonary 7.958 months.

		PULMONARY TUBERCULOSIS.		
		Number of Patients.	Total Number of Months.	Average Number of Months.
MALES.	Adults,	23	156·2	6·79
	Children,	3	16·75	5·58
FEMALES.	Adults,	11	80·74	7·34
	Children,	4	32·25	8·06

		NON-PULMONARY TUBERCULOSIS.		
		Number of Patients.	Total Number of Months.	Average Number of Months.
MALES.	Adults,	4	32·25	8·06
	Children,	5	24·75	4·95
FEMALES.	Adults,	11	72·91	6·63
	Children,	10	108·83	10·88

There has been an increase in the total number of patients receiving domiciliary treatment as compared with the previous year, but the total number of months during which these extras were supplied shows a decrease as compared with the previous year.

Drugs.—Drugs were given at an approximate cost of £18 1s. These were chiefly prescribed by the family practitioners in charge of home cases, and also include dressings.

Dispensary Treatment.—There has been no change to record in the working of the clinics.

X-Ray Examinations.—During 1940, 388 X-ray examinations were carried out, 342 for pulmonary and 46 for non-pulmonary conditions. (330 of these examinations were carried out by means of the portable X-ray unit.) 107 of the pulmonary conditions gave positive, and 235 negative results. Of the 46 non-pulmonary conditions, 11 gave positive, and 35 negative results. The following table gives particulars of

the conditions with regard to localisation of disease and relative results :—

Localisation of Disease.	Number of X-ray Examinations.	Results.	
		Positive.	Negative.
Chest, - - - - -	342	107	235
Spine, - - - - -	6	3	3
Joints—Shoulder, - - - - -	6	4	2
Elbow, - - - - -	2	2	—
Knee, - - - - -	5	—	5
Hip, - - - - -	12	—	12
Bones—Skull, - - - - -	2	—	2
Jaw, - - - - -	2	—	2
Sternum, - - - - -	3	1	2
Pelvis, - - - - -	2	—	2
Foot, - - - - -	3	—	3
Ankle, - - - - -	2	—	2
Toe, - - - - -	1	1	—

Summary of Tuberculosis Statistics.—The undernoted are the main statistics for the County (Landward) area for 1940 :—

- 65 pulmonary cases coming to notice.
- 36 non-pulmonary cases coming to notice.
- 33 deaths (25 pulmonary and 8 non-pulmonary.)
- 96 cases treated in sanatoria.
- 48 cases granted domiciliary treatment.

The statistics for the Small Burghs are as follows :—

Kirkintilloch.

- 11 pulmonary cases coming to notice.
- 5 non-pulmonary cases coming to notice.
- 8 deaths (7 pulmonary and 1 non-pulmonary).
- 19 cases treated in sanatoria.
- 10 cases granted domiciliary treatment.

Milngavie.

- 5 pulmonary cases coming to notice.
- 1 non-pulmonary case coming to notice.
- 1 death (pulmonary).
- 6 cases treated in sanatoria.
- 6 cases granted domiciliary treatment.

Helensburgh.

- 3 pulmonary cases coming to notice.
- 4 non-pulmonary cases coming to notice.
- 3 deaths (1 pulmonary and 2 non-pulmonary).
- 8 cases treated in sanatoria.
- 6 cases granted domiciliary treatment.

Cove and Kilcreggan.

- 1 non-pulmonary case coming to notice.
- 1 death (pulmonary).
- 1 case granted domiciliary treatment.

The Death Rate from all forms of tuberculosis for the County (Landward) Area, including the Small Burghs of Kirkintilloch, Milngavie, Helensburgh, Cove, and Kilcreggan, was .53 of the population; pulmonary Death Rate being .41; and non-pulmonary Death Rate .12.

General Remarks.—As pointed out in the Annual Reports of 1938 and 1939, this County, as far as tuberculosis is concerned, is labouring under a severe handicap by not having a suitable institution within the County for the treatment of all forms of tuberculosis in all its stages.

In 1935 this County showed initiative by the purchase and use of a portable X-ray unit for diagnostic purposes. This was an endeavour to bring cases of tuberculosis to the notice of the Tuberculosis Officer at an earlier stage than previously, and the set has proved to be a boon to the Health Department. Unfortunately, no provision has been made for increased sanatorium accommodation, and for some time past the position has been evident of there being more cases of tuberculosis diagnosed than there is accommodation in sanatoria. It is an established fact that the incidence of tuberculosis is greater in war time than when the country is at peace, and the statistics of 1940 show that no exception to this rule is likely to occur during the present war, therefore the problem of lack of sanatorium accommodation, at present acute, is bound to be aggravated. Now is the time to tackle the problem and for some constructive solution to be arrived at. It must not be shelved among the nebulous dreams of post-war planning, else, too late, it will be realised to be a nightmare.

TREATMENT OF VENEREAL DISEASES.

The arrangements for treatment of patients suffering from venereal diseases continued to be satisfactory. Travelling expenses amounted to £6 6s. 8d. for a total of 8 patients. Glasgow Corporation Laboratories had 174 specimens submitted by general practitioners for examination. Bloods for Wassermann reaction numbered 16, of which 5 were positive and 11 negative. Exudates numbered 2, 1 positive and 1 negative. The small number of specimens submitted for examination was due to the fact that the new emergency laboratory took over the major portion of the work. Three general practitioners were supplied with drugs to the extent of 47 doses.

The following table gives details of numbers treated in hospitals and clinics and it is of interest to note that the total cost for the year of all Venereal Diseases Services was approximately £570.

TABLE GIVING DETAILS OF TREATMENT AT VENEREAL DISEASE CLINICS FOR THE YEAR ENDED 30TH NOV., 1940.

TREATMENT CENTRE.	IN-PATIENTS.		OUT-PATIENTS.	
	New Cases.	Aggregate number of In-Patient days.	New Cases.	Aggregate Out-Patient attendances.
Western Infirmary, -	1	10	8	447
Eye Infirmary, -	—	—	—	99
Black Street Dispensary, -	—	—	45	602
Broomielaw Treatment Centre, -	—	—	3	33
Belvidere Hospital, -	—	32	—	—
Bellahouston Treatment Centre, -	—	—	1	2
Lock Hospital, -	2	23	4	29
Baird Street Hospital, -	—	171	10	167
Sick Children's Hospital, -	—	—	2	2
Maternity Hospital, -	—	—	—	—
Govan Dispensary, -	—	—	1	12
Victoria Infirmary, -	—	—	—	—
Totals, -	3	236	74	1393

MEDICAL TREATMENT OF THE SICK POOR.

There were no changes in the arrangements for the medical treatment of the sick poor during the year nor in the personnel of the District Medical Officers.

The following are the figures usually given to the Department of Health on Health Services, Form 8:—

	Males.	Females.	Children.	Total.
(a) Persons who received outdoor medical relief in the Council's area.	744	1,226	1,174	3,144
(b) Persons who received medical treatment under the Poor Law in—				
(1) the Council's institutions, including combination institutions in which the Council has a share.	69	42	5	116
(2) other, including voluntary, institutions.	36	48	19	103
TOTALS :	849	1,316	1,198	3,363

NOTE : Persons who in virtue of Section 14 (4) of the Local Government (Scotland) Act, 1929, received domiciliary or institutional treatment otherwise than under the Poor Law are not to be included in these figures.

HOSPITAL AND AMBULANCE FACILITIES.

INFECTIOUS DISEASES HOSPITALS.

There were no developments during the year which call for comments other than a reiteration of the remarks made in the Annual Reports for some years back.

The details of cases treated are given in the tables annexed and the following are the statistics usually included in the form of return made to the Department of Health:—

Helensburgh Hospital.

(1) Total number of admissions, - - - - - 204

(2)	Total number of patients discharged, - - -	161
(3)	Total number of deaths, - - -	26
(4)	Average duration of stay of patients included in 2 and 3 above (total patient-days divided by the sum of the deaths and discharges),	days 49
(5)	Number of beds occupied :	
(a)	Average during the year, - - -	25
(b)	Highest—on 23rd and 26th November, 1940, - - -	44
(c)	Lowest—on 27th July to 5th August, 1940, - - -	7
(6)	Number of surgical operations :	
(a)	Under general or spinal anæsthesia, -	8
(b)	Other operations, - - -	11

Duntocher Hospital.

(1)	Total number of admissions, - - -	263
(2)	Total number of patients discharged, - - -	222
(3)	Total number of cases transferred, - - -	6
(4)	Total number of deaths, - - -	10
(5)	Average duration of stay of patients included in 2 and 3 above (total patient-days divided by the sum of the deaths and discharges),	days 36
(6)	Number of beds occupied :	
(a)	Average during the year, - - -	29
(b)	Highest—on 4th November, 1940, -	47
(c)	Lowest—on 1st January, 27th, 29th April, 1940, - - -	10
(7)	Number of surgical operations :	
(a)	Under general or spinal anæsthesia, -	7
(b)	Other operations, - - -	4

Lennox Hospital.

(1)	Total number of admissions, - - -	230
(2)	Total number of patients discharged, - - -	199
(3)	Total number of deaths, - - -	17
(4)	Average duration of stay of patients included in 2 and 3 above (total patient-days divided by the sum of the deaths and discharges),	days 42

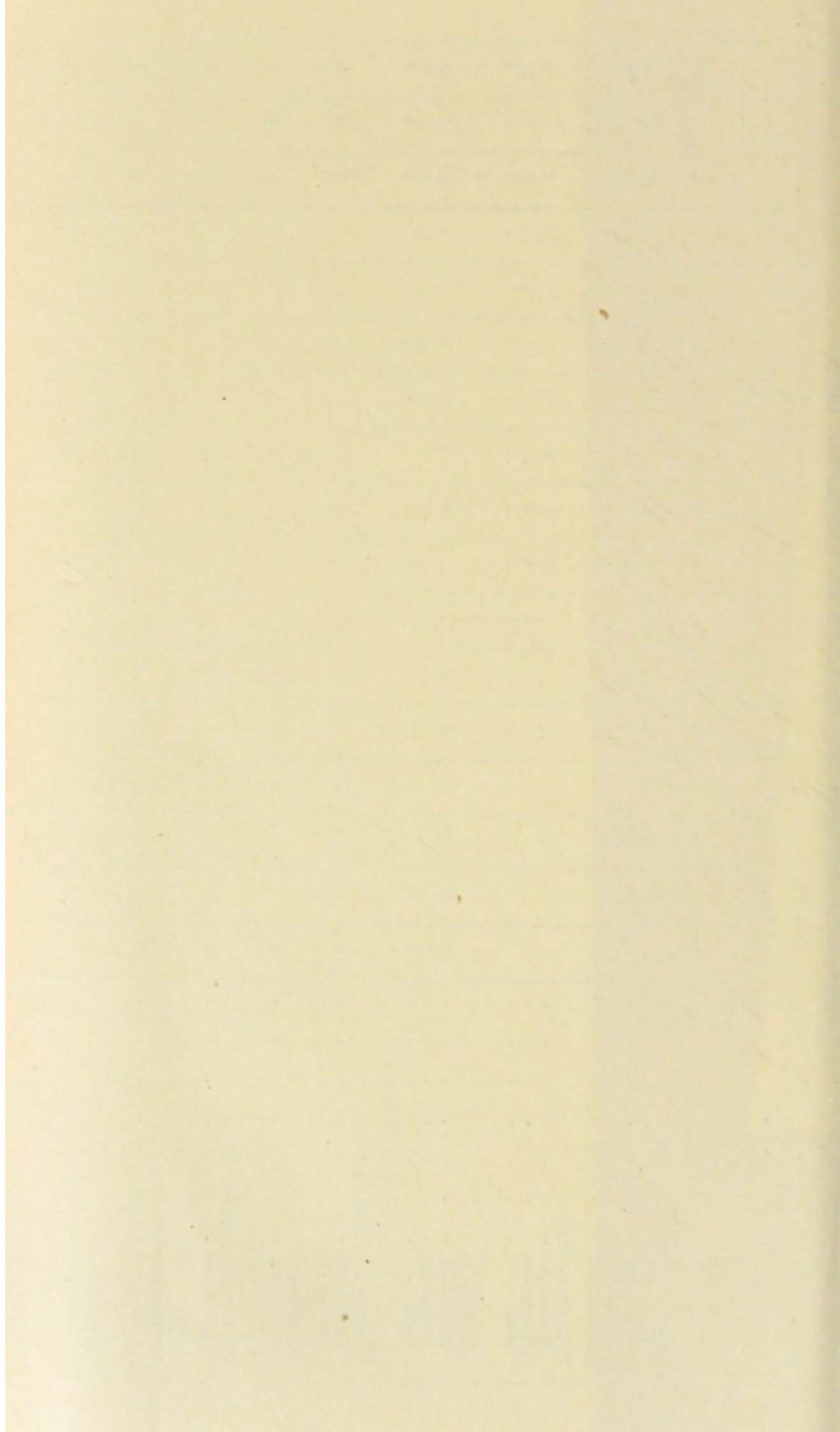
	0-5		5-10		10-20		20-30		30-40		40-50		Over 50		Totals.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
SCARLET FEVER— Recovered, - - - - -	...	...	2	...	1	1	1	1	...	...	1	1	...	...	4	3
DIPHTHERIA— Recovered, - - - - -	9	7	13	7	10	11	2	6	2	1	1	2	...	1	37	35
Remaining, - - - - -	5	7	9	4	4	4	1	1	...	...	...	...	1	...	13	17
Died, - - - - -	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
PNEUMONIA— Recovered, - - - - -	9	9	3	1	...	3	...	2	...	2	3	3	2	2	17	22
Died, - - - - -	1	4	...	...	...	...	...	...	...	...	...	...	1	2	6	8
PNEUMONIA and MEASLES— Recovered, - - - - -	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1
MEASLES— Recovered, - - - - -	...	2	...	...	1	1	...	...	...	...	...	...	...	...	1	3
ENTERIC FEVER— Transferred, - - - - -	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...
CEREBRO-SPINAL MENINGITIS— Recovered, - - - - -	1	2	1	...	1	1	...	1	1	...	...	...	...	...	4	4
Remaining, - - - - -	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	1
Died, - - - - -	2	1	...	...	...	...	...	...	...	...	...	...	...	...	2	3
ERYSIPELAS— Recovered, - - - - -	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	1
Died, - - - - -	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
POLIOMYELITIS— Recovered, - - - - -	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	1
DYSENTRY— Died, - - - - -	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...
TUBERCULOUS MENINGITIS— Died, - - - - -	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
PULMONARY TUBERCULOSIS— Discharged, - - - - -	...	...	...	...	2	2	3	...	...	...	1	2	1	2	7	6
Remaining, - - - - -	...	...	...	...	...	...	2	1	...	...	3	...	...	1	6	2
Died, - - - - -	...	...	...	...	1	...	...	6	...	2	...	2	...	...	1	10
Totals, - - - - -	29	34	21	13	20	23	10	18	4	8	8	13	6	8	98	117

TABLE XI.—ADMISSIONS TO DUNTOCHER HOSPITAL, 1940.

Age in Years.	0-5		5-10		10-20		20-30		30-40		40-50		Over 50		Totals.		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	BOTH.
DIPHTHERIA AND MEASLES— Recovered, - - - - -	1	..	1	..	..	..	..	..	..	..	..	..	..	..	2	..	2
DIPHTHERIA— Recovered, - - - - -	27	27	22	29	12	20	3	9	..	4	..	..	..	..	64	89	153
Remaining, - - - - -	5	5	1	6	8	2	..	1	..	1	..	..	..	..	14	15	29
Died, - - - - -	1	4	1	1	..	..	..	..	..	..	..	..	..	..	2	5	7
Transferred, - - - - -	..	2	1	2	..	..	..	1	..	..	..	..	..	..	1	5	6
PNEUMONIA— Recovered, - - - - -	3	2	..	..	..	..	..	..	..	..	..	..	..	..	3	2	5
Died, - - - - -	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
MEASLES— Remaining - - - - -	..	..	..	..	..	..	2	..	..	..	..	..	..	..	2	..	2
ERYSIPPELAS— Recovered, - - - - -	..	..	..	..	..	..	..	..	..	..	..	..	1	2	1	2	3
MENINGITIS— Recovered, - - - - -	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	2	2
Died, - - - - -	..	1	..	..	..	..	1	..	..	..	..	..	..	..	1	1	2
PNEUMONIA AND MEASLES— Remaining, - - - - -	1	1	1	..	..	..	..	..	..	..	..	..	..	..	2	1	3
GERMAN MEASLES— Recovered, - - - - -	..	..	..	..	1	4	10	5	1	..	..	..	..	..	12	9	21
PARA-TYPHOID— Recovered, - - - - -	2	1	2	3	5	3	3	1	2	..	..	..	..	2	14	10	24
TYPHOID— Recovered, - - - - -	..	..	..	..	1	..	..	..	..	..	1	..	..	..	2	..	2
CHICKENPOX— Recovered, - - - - -	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	2	2
Totals, - - - - -	40	44	29	42	27	32	19	17	3	6	1	..	1	4	120	144	264

TABLE XII.—ADMISSIONS TO LENNOX HOSPITAL, 1940.

Age of Patients.	0-5			5-10			10-20			20-30			30-40			40-50			Over 50			Totals.		
	M.	F.	Both	M.	F.	Both	M.	F.	Both	M.	F.	Both	M.	F.	Both	M.	F.	Both	M.	F.	Both	M.	F.	Both
DIPHTHERIA— Recovered,	6	5	13	17	12	29	12	13	25	7	1	8	1	3	4	1	1	2	1	1	2	33	46	79
Remaining,	5	1	6	3	2	5	3	5	8	1	1	2	1	1	2	1	1	2	1	1	2	12	7	19
Died,	1	1	2	1	1	2	1	2	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
PULMONARY T.B.— Discharged,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	3	6	9
Remaining,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	3	6	9
Died,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	3	6	9
PNEUMONIA— Recovered,	7	8	15	23	14	37	14	11	25	11	4	15	2	2	4	2	5	7	3	3	6	29	17	46
Remaining,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Died,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
MEASLES AND PNEUMONIA— Recovered,	2	1	3	4	1	5	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	2	2	4
DYSENTERY— Recovered,	6	1	7	8	2	10	2	1	3	2	1	3	1	1	2	1	1	2	1	1	2	10	8	18
PARA-TYPHOID FEVER— Recovered,	2	1	3	4	1	5	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	2	1	3
ENTERIC FEVER— Died,	1	1	2	2	1	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
MEASLES— Recovered,	1	1	2	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
RUBELLA— Recovered,	1	1	2	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	13	2	15
RUBELLA AND MASTOID— Recovered,	1	1	2	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
CEREbro SPINAL FEVER— Recovered,	4	1	5	6	1	7	1	1	2	2	1	3	1	1	2	1	1	2	1	1	2	8	5	13
Died,	1	1	2	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	2	2	4
PNEUMOCOCCAL MENINGITIS— Recovered,	1	1	2	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Died,	1	1	2	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
TUBERCULAR MENINGITIS— Died,	1	1	2	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
ERYSIPELAS— Recovered,	1	1	2	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	3	3	6
Remaining,	1	1	2	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
ERYSIPELAS AND PULMONARY T.B.— Died,	1	1	2	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
MUMPS— Recovered,	1	1	2	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Remaining,	1	1	2	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
SCABIES— Recovered,	1	1	2	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
CHICKENPOX— Recovered,	1	1	2	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
SCARLET FEVER AND CHICKENPOX— Remaining,	1	1	2	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
SCARLET FEVER AND ASTHMA— Recovered,	1	1	2	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Totals,	85	19	104	123	27	150	28	24	52	20	22	42	10	11	21	6	9	15	4	4	8	138	113	251



- (5) Number of beds occupied :
- | | | | | |
|------------------------------------|---|---|---|----|
| (a) Average during the year, | - | - | - | 24 |
| (b) Highest—on 17th December, 1940 | - | - | - | 40 |
| (c) Lowest—on 23rd July, 1940, | - | - | - | 6 |
- (6) Number of surgical operations :
- | | | | | |
|---|---|---|---|----|
| (a) Under general or spinal anæsthesia, | - | - | - | 2 |
| (b) Other operations, | - | - | - | 30 |

Dumbarton Joint Hospital.

- | | | | | |
|--|---|---|---|-----|
| (1) Total number of admissions, | - | - | - | 511 |
| (2) Total number of patients discharged, | - | - | - | 415 |
| (3) Total number of deaths, | - | - | - | 28 |
- (4) Average duration of stay of patients included in 2 and 3 above (total patient-days divided by the sum of the deaths and discharges), days 40
- (5) Number of beds occupied :
- | | | | | |
|-------------------------------------|---|---|---|----|
| (a) Average during the year, | - | - | - | 48 |
| (b) Highest—on 16th November, 1940, | - | - | - | 75 |
| (c) Lowest—on 10th August, 1940, | - | - | - | 26 |
- (6) Number of surgical operations :
- | | | | | |
|---|---|---|---|----|
| (a) Under general or spinal anæsthesia, | - | - | - | 25 |
| (b) Other operations, | - | - | - | 5 |

Mugdock Hospital, Milngavie.

This hospital was opened under the Emergency Hospital Scheme on 5th September, 1939, and has dealt mainly with cases of scarlet fever. Details of admissions and discharges are as follows:—

- | | | | | |
|--|---|---|---|-----|
| (1) Total number of admissions, | - | - | - | 127 |
| (2) Total number of patients discharged, | - | - | - | 115 |
| (3) Total number of deaths, | - | - | - | 4 |
- (4) Average duration of stay of patients included in 2 and 3 above (total patient-days divided by the number of deaths plus discharges), days 36
- (5) Average number of beds occupied during the year,
- | | | | | | |
|---|---|---|---|---|----|
| - | - | - | - | - | 15 |
|---|---|---|---|---|----|

TABLE XIII.—ADMISSIONS TO DUMBARTON JOINT HOSPITAL, 1940.

Disease—Age in Years.		0-5		5-10		10-20		20-30		30-40		40-50		Over 50		Total.
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Both.
SCARLET FEVER—																
Recovered,	-	18	23	16	29	8	11	5	2	2	3					117
Remaining,	-	..	5	5	5	..	..	..	..	..	..	1	..	..	..	16
Died,	-	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SCARLET FEVER and DIPHtheria—																
Recovered,	-	1	1	1	1	..	..	..	..	..	..	..	..	..	..	4
DIPHtheria—																
Recovered,	-	21	20	21	24	16	26	3	11	2	2	..	..	..	..	146
Remaining,	-	1	3	6	7	8	12	1	3	..	2	..	..	..	..	43
Died,	-	3	3	3	..	..	..	..	..	..	..	..	..	..	..	9
DIPHtheria and WHOOPING COUGH—																
Remaining,	-	..	2	..	..	..	..	..	..	..	..	..	..	..	..	2
DIPHtheria and MEASLES—																
Recovered,	-	..	1	..	1	..	..	..	..	..	..	..	..	..	..	2
PNEUMONIA—																
Recovered,	-	17	19	6	5	13	3	11	3	8	4	13	2	8	..	112
Died,	-	1	1	..	..	..	..	..	..	..	..	1	..	5	1	9
MEASLES—																
Recovered,	-	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1
WHOOPING COUGH—																
Recovered,	-	1	1	..	..	..	..	..	..	..	..	..	..	..	..	2
ERYSIPELAS—																
Recovered,	-	..	..	..	..	..	..	2	..	..	2	..	2	..	..	6
Remaining,	-	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1
POLIOMYELITIS—																
Recovered,	-	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1
CEREBRO-SPINAL FEVER—																
Recovered,	-	1	4	1	..	2	5	2	1	..	1	..	1	1	..	19
Remaining,	-	1	..	..	1	1	..	..	..	..	..	..	..	..	..	3
Died,	-	..	1	..	..	..	..	..	..	..	..	..	..	1	..	2
T.B. MENINGITIS—																
Taken home,	-	..	..	1	1	2	..	..	1	..	..	..	..	..	..	2
Died,	-	1	..	..	..	..	..	..	..	..	..	..	..	..	..	4
TUBERCULOSIS—																
Discharged,	-	..	..	..	..	..	..	1	..	1	..	..	..	1	..	3
Remaining,	-	..	..	..	..	1	..	..	..	..	..	2	..	..	..	3
Died,	-	..	..	..	..	..	..	1	..	1	..	..	..	2	..	4
Totals,		67	84	60	74	51	57	23	22	14	14	17	6	18	1	511

Belmore Hospital, Shandon.

This hospital was opened under the Emergency Hospital Scheme on the 2nd May, 1940. During the year ended 31st September, 1940, 73 patients were admitted and 43 were discharged. Six patients died.

GENERAL HOSPITALS.

No further progress was made in this matter during the year.

AMBULANCE SERVICES.

The previously existing arrangements for infectious diseases and general ambulance services are still maintained.

ULTRA-VIOLET LIGHT TREATMENT.

Arrangements for these services are being continued as nearly to normal as the special circumstances in the various areas permit. The following are the details of the work done at each Clinic:—

ALEXANDRIA CLINIC.

Maternity and Child Welfare Cases Treated.

Number of patients treated,	-	-	-	17
Total number of attendances,	-	-	-	377
Average number of treatments,	-	-	-	22

	Number of Patients.	Improved.	Condition Unchanged.
Rickets,	2	2	—
Malnutrition,	3	3	—
Adenitis associated with septic tonsils, &c.,	6	4	2
Debility,	6	5	1

School Cases Treated.

Number of patients treated,	-	-	-	16
Total number of attendances,	-	-	-	370
Average number of treatments,	-	-	-	23

	Number of Patients.	Improved.	Condition Unchanged.
Debility, - - - -	7	4	3
Bronchial conditions, - -	3	3	—
Adenitis associated with			
septic tonsils, &c., - -	1	1	—
Asthma, - - - -	1	1	—
Rheumatism, - - - -	1	—	1
Diarrhoea, - - - -	1	1	—
Others, - - - -	2	1	1

Tuberculosis Patients Treated.

Number of patients treated, - - -	7
Total number of attendances, - - -	112
Average number of treatments, - - -	16

	Number of Patients.	Improved.	Condition Unchanged.
Adenitis, - - - -	6	4	2
Others, - - - -	1	1	—

KIRKINTILLOCH CLINIC.

Maternity and Child Welfare Cases Treated.

Number of patients treated, - - -	8
Total number of attendances, - - -	28
Average number of treatments, - - -	3

	Number of Patients.	Improved.	Condition Unchanged.
Debility, - - - -	3	1	2*
Bronchitis, - - - -	2	2	—
Rickets, - - - -	3	2	1*

* Stopped treatment after three weeks.

School Cases Treated.

Number of patients treated, - - -	15
Total number of attendances, - - -	372
Average number of treatments, - - -	25

	Number of Patients.	Improved.	Condition Unchanged.
Debility, - - - -	8	8	—
Glands, - - - -	2	2	—
Anæmia, - - - -	2	2	—
Bronchitis, - - - -	3	3	—

Tuberculosis Patients Treated.

Number of patients treated,	-	-	-	13
Total number of attendances,	-	-	-	383
Average number of treatments,	-	-	-	30

				Number of Patients.	Improved.	Condition Unchanged.
Lupus,	-	-	-	9	6	3
Glands,	-	-	-	3	3	—
Abdominal,	-	-	-	1	—	1

DUNTOCHER CLINIC.

Maternity and Child Welfare Cases Treated.

Number of patients treated,	-	-	-	Nil
Total number of attendances,	-	-	-	Nil
Average number of treatments,	-	-	-	Nil

School Cases Treated.

Number of patients treated,	-	-	-	3
Total number of attendances,	-	-	-	97
Average number of treatments,	-	-	-	32

				Number of Patients.	Improved.	Condition Unchanged.
Adenitis,	-	-	-	2	2	—
Debility,	-	-	-	1	1	—

Tuberculosis Patients Treated.

Number of patients treated,	-	-	-	4
Total number of attendances,	-	-	-	292
Average number of treatments,	-	-	-	73

				Number of Patients.	Improved.	Condition Unchanged.
Glands,	-	-	-	2	2	—
Abdominal,	-	-	-	1	—	1
Lupus,	-	-	-	—	—	—
Joints,	-	-	-	1	—	1

SUPPLY OF INSULIN IN DIABETIC CASES.

Twenty patients received insulin during the year, 5 of whom paid the net cost of their supplies. The total amount

issued was 214,500 units, costing about £70. Refunds were received for 52,000 units.

BLIND PERSONS ACT.

The following statement and Table XIV are included to preserve the records regarding blindness within the County.

STATEMENT SHOWING NUMBER OF BLIND PERSONS ON REGISTER DURING 1940.

	On Register at 1/1/40.	Added during year.	Total.	Died During Year.	Left district during year.	Certification withdrawn.	On Register at 31/12/40.
Burgh of Clydebank, ...	62	6	68	7	...	...	61
Burgh of Kirkintilloch, ...	17	1	18	1	...	...	17
Burgh of Helensburgh, ...	7	...	7	...	...	...	7
Burgh of Milngavie, ...	10	2	12	...	1	...	11
Burgh of Kilcreggan, ...	1	...	1	...	...	...	1
Eastern Area							
(Landward), ...	35	3	38	3	...	...	35
Western Area							
(Landward), ...	44	1	45	8	...	...	37
	176	13	189	19	1	...	169

E.—PORT SANITARY ADMINISTRATION.

During the year negotiations were commenced for a reorganisation of the duties falling on local authorities under this heading in the existing emergency.

F.—WORKSHOPS AND WORK PLACES.

These matters are dealt with by the Sanitary Inspectors in their reports.

TABLE XIV.—STATISTICS RELATIVE TO BLIND PERSONS AS AT 1ST APRIL, 1941.

DUNHAMTON COUNTY (INCLUDING SMALL BURGHS AND BURGH OF CLYDEBANK).

M = Males; F = Females; T = Total.

TABLE 1.—CASES REGISTERED FOR FIRST TIME DURING YEAR ENDED 31st MARCH, 1940.
AGES AT TIME OF REGISTRATION AND PROBABLE YEAR OF ONSET OF BLINDNESS.

[illegible]

TABLE II.—CASES REGISTERED FOR FIRST TIME DURING YEAR ENDED 31st MARCH, 1941.
CERTIFICATION OF BLINDNESS.

Certified by						
Ophthalmic Surgeon.				Local Medical Practitioner.		
Clinic.	Voluntary Agency.	Infirmity.	Other.	Voluntary Agency.	Other.	
18
						Department of Health for Scotland.
						Other Evidence.
						No Evidence.
						TOTAL.
						18

TABLE III.—NUMBERS ACCORDING TO DIFFERENT AGE-GROUPS OF ALL BLIND PERSONS ON THE REGISTER.

0-4		5-15		16-39		40-49		50-69		70+		Total.		
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	T.
..	1	1	4	16	7	10	9	43	31	22	25	92	77	169

TABLE IV.—CLASSIFICATION OF BLIND SCHOOL CHILDREN (3 TO 15 YEARS INCLUSIVE).

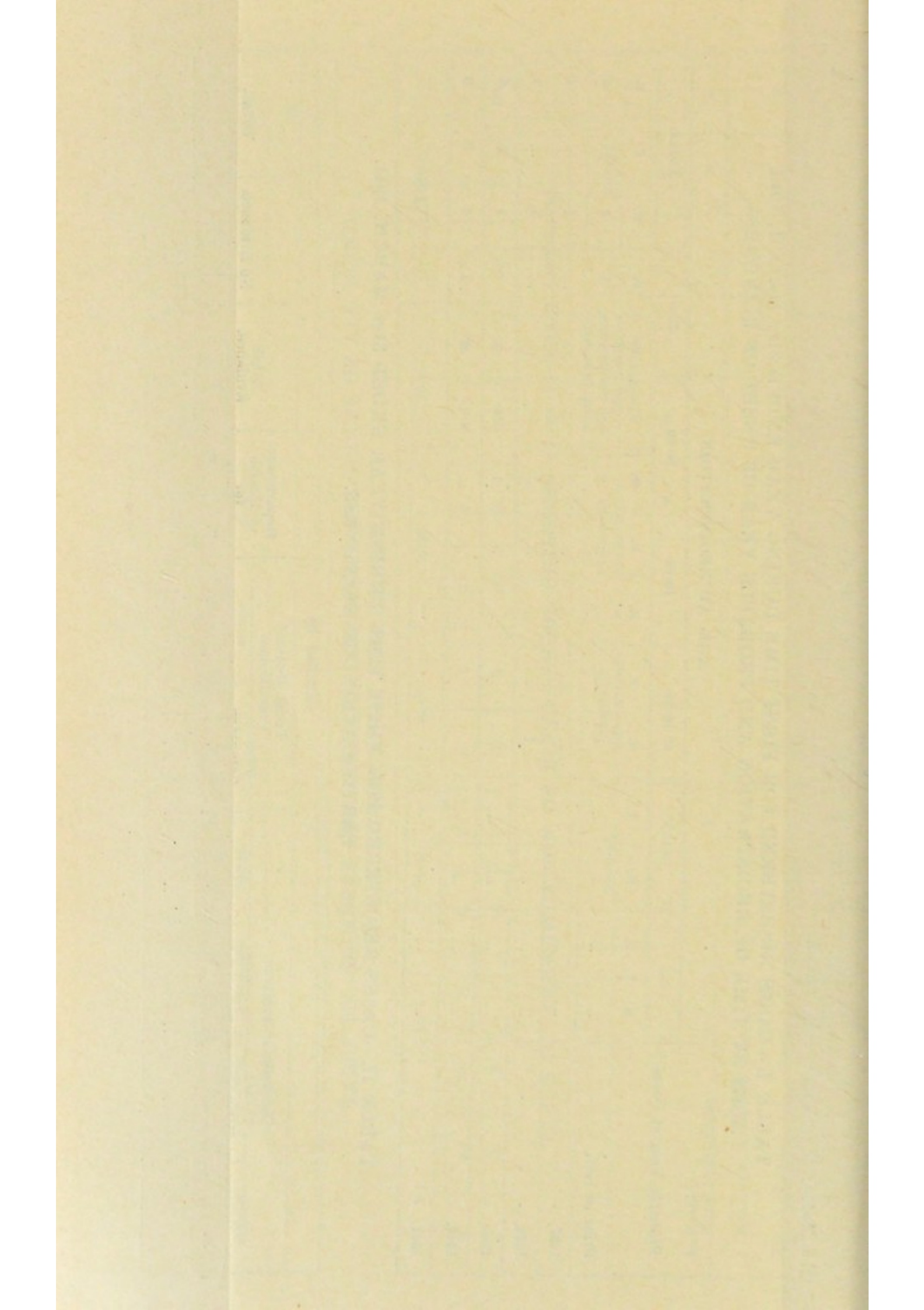
[illegible]

TABLE V.—EMPLOYMENT, &c., CONDITION OF BLIND PERSONS OF 16 YEARS AND OVER.

EMPLOYED.													Unemployed and Untrained but with some capacity.							
In Institutions for the Blind.									Outwith Institutions for the Blind (d)				Probably Trainable.		Untrainable but Employable in one or more sort.		Totals.			
Undergoing Industrial Training.			Undergoing Secondary or Professional Education.			In Workshops.			Under Scheme		Others.									
(a)			(b)			(c)			(d)		(e)		(f)		(g)					
M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1	3	..	..	10	5	3	..	12	..	4	2	..	..	..	61	62	91	72	62	153

TABLE VI.—THE PROBABLY TRAINABLE BLIND.

Willing to Undergo Training.										Unwilling to Undergo Training.						GRAND TOTAL.					
TOTAL.										TOTAL.											
16-23		21-29		30-39		40-49				M.		F.		T.		M.		F.		T.	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
..	..	..	..	1	..	..	..	..	..	1	..	..	..	3	2	5	4	2	0	0	0



REPORT BY SANITARY INSPECTOR IN THE WESTERN AREA.

HEALTH DEPARTMENT,
BRIDGE STREET, ALEXANDRIA.

LADIES AND GENTLEMEN,

In accordance with instructions laid down by the Department of Health, I have pleasure in submitting my report for year ended 31st December, 1940.

GENERAL SANITATION.

WATER SUPPLIES.

During the year Vale of Leven, Cardross, and Renton Districts were enlarged. New mains and filters were completed at Garelochhead; water supply was extended from Garelochhead to Shandon and new mains were provided at Rhu. Extension to mains was made at Cardross and mains were scraped at Burnbrae, Alexandria, while extensions to the mains were made from the south end of Dillichip Terrace, Bonhill. Supply was provided to Kipperoch Farm, Ardoch Farm, Murray's Farm, and Craigend House in the Cardross Area, and in the Kilmaronock Area supply was provided to Blairlusk Farm, Burnbrae Farm, Blairennich Farm, Hawthorn Place, Milton Grove, and Ballagan Cottages, Balloch, Bridgend Cottage, Ardoch Cottage, Gartinwall Cottages, Ashfield Cottage, and Ashfield House, and also granted to High Duncryne Farm, which is outwith the Special Water District. During the year considerable wastage was caused by tenants keeping taps running during periods of severe frost. Work is still proceeding on the Reservoir at Auchengiech, which augments the supply to Rhu and also provides for the Clynder and Rosneath Districts.

The following samples of water were taken for analysis:—

No.	1	taken from tank at Auchencarroch Rifle Range, Jamestown.
„	2	„ tap at Rogart, Garelochhead.
„	3	„ tap at Rogart, Garelochhead.
„	4	„ tap in Cameron House, by Alexandria.
„	5	„ tap at Feorlinbreck, Garelochhead.
„	6	„ Dalmoak House, Dumbarton.
„	7	„ tap at Shandon House, Shandon.
„	8	„ tap at 130 Bridge Street, Alexandria.
„	9	„ tap at 122 Bridge Street, Alexandria.
„	10	„ tap at Police Station, Arrochar.
„	11	„ Feorlinbreck Bungalow, Garelochhead.
„	12	„ tap at Belmore Hospital, Shandon.
„	13	„ tap at Airlig, Station Road, Rhu.
„	14	„ tap at Kirkton Farm, Cardross.
„	15	„ outside tap at Shandon Military Hospital.
„	16	„ tap at Northcote, Cardross.
„	17	„ tap at courtyard, Camis Eskin House, Craigendoran.
„	18	„ tap at Northcote, Cardross.
„	19	„ tap at courtyard, Camis Eskin House, Craigendoran.
„	20	„ Oakfield, Garelochhead.
„	21	„ tap at Cameron House North Lodge, by Alexandria.
„	22	„ tap at Cameron House North Lodge, by Alexandria.
„	23	„ dam supplying Cameron House, North Lodge.
„	24	„ intake to Rosdhu Storage Tank, Luss.

Thirteen of above samples were from local gravitation supplies, and 11 were from private sources. 1 sample from a local supply was submitted for copper and lead examination. 15 were submitted for chemical analysis, 4 for chemical and bacteriological analysis, and 4 for bacteriological analysis only.

DRAINAGE SYSTEM (EFFICIENCY).

The new outfall sewers referred to in my last reports have been completed in the Cardross and Craigendoran Districts. Vale of Leven, Renton, and Rhu Districts were enlarged. New sewers to prevent flooding were being provided in the Vale of Leven Area where sump manholes were also being abolished. Work on the Gartocharn scheme is being impeded due to labour shortage, and the amount of rock to be dealt with in the sewer track. The Admiralty property at Arrochar is now connected to the sewer main.

During the year 10 additional w.c.s were installed.

SEWAGE PURIFICATION AND DISPOSAL.

During the year 4 samples of River Leven water were taken above and below the point of discharge of the sewage effluent from Dalmoak Works. The water, according to analysis, is all of the "clean" class of river waters, according to the classification adopted by the Royal Commission on Sewage Disposal. Two samples were also taken from the wave flume at Dalmoak Pumping Station. No trade effluent could be detected on analysis in either sample, and each had the composition of weak sewage. The detritus chambers on all other outfalls have not given any trouble.

RIVERS POLLUTION.

Two samples were taken during the year from the Gareloch. Chemical analysis shows the water to have the composition of sea water, without any detectable proportion of sewage, while the bacteriological results indicate only slight contamination by sewage. No serious pollution was noted or reported in any part of the area.

SCAVENGING (METHODS AND EFFICIENCY).

In the early part of the year great difficulty was experienced in carrying out this service due to the snowbound

condition of the streets and to the difficulty in properly clearing ashbins. Added to this men had to be taken from their regular duty to assist in street clearing, while the roadway to Auchencarroch Coup which is on an uphill gradient could not be made, with the result that refuse had for a time to be deposited at Pillanflats Coup, Renton.

During the year the boundaries of Vale of Leven District were enlarged northwards.

Here I should like to record my appreciation of the valuable voluntary assistance which was given by Youth Organisations; contractors for the use of their motor vehicles; Women's Salvage Committee; and my staff for the assistance given me in Salvage Collection, and I can only hope that their efforts in this direction will instil in the minds of all the necessity to "Save All" in order to save themselves.

At the end of the year there was a proposal that the removal of snow from Classified Roads, and gritting of streets within Vale of Leven and Renton Scavenging Districts be undertaken by this Department. This is awaiting the approval of the District Council.

Refuse in the Vale of Leven and Renton was removed as shown:—

Vale of Leven.

Loads Removed.	No. of Bins and Pits emptied.	Miles Travelled.	Petrol Consumpt. Gallons.
4950	249,276	27,564	4293

The average number of miles travelled per gallon was 6.4.

Renton.

Loads Removed.	No. of Bins and Pits emptied.	Miles Travelled.	Petrol Consumpt. Gallons.
1157	71,822	4080	1174

The average number of miles travelled per gallon was 3.47.

Cardross, Craigendoran, Rhu, Garelochhead, Rosneath and Clynder, Arrochar and Tarbet.—All of the above are still scavenged by private contractor. In my last report I had occasion to refer to a violation of the conditions of contract

DISTRICT.	Metals.			Paper.			Bottles and Jars.			Textiles.			Cash Value.			Total Value of Salvage Collected.		
	T.	C.	Qrs.	Lbs.	T.	C.	Qrs.	T.	C.	Qrs.	£	s.	d.	£	s.	d.		
Vale of Leven and Renton, -	59	0	2	21	-	5	-	3	-	-	166	0	2	166				
	-	-	-	-	119	-	-	-	-	-	266	14	9	266				
	-	-	-	-	-	-	2	-	-	-	36	14	1	36				
Arrochar and Tarbet, -	6	15	0	9	-	-	-	-	7	3	6	6	6	475	15	6		
	-	-	-	-	5	9	-	2	-	-	11	17	2					
	-	-	-	-	-	-	-	-	-	-	8	13	4					
Garelochhead, - - -	4	9	0	9	-	-	-	-	-	-	-	-	-	20	10	6		
	-	-	-	-	5	9	-	2	-	-	8	16	8					
	-	-	-	-	-	-	-	-	-	-	8	13	4					
Rosneath and Clynder, -	3	8	0	9	-	-	-	-	-	-	-	-	-	17	10	0		
	-	-	-	-	-	-	-	-	-	-	7	15	8					
	-	-	-	-	4	9	-	2	-	-	8	13	4					
Rhu, - - -	1	0	0	0	-	-	-	-	-	-	-	-	-	16	9	0		
	-	-	-	-	4	9	-	1	-	-	2	0	0					
	-	-	-	-	-	-	-	-	-	-	7	18	0					
Cardross, - - -	2	9	0	0	-	-	-	-	-	-	-	-	-	9	18	0		
	-	-	-	-	2	15	-	0	-	-	6	2	6					
	-	-	-	-	-	-	-	-	-	-	6	9	6					
Craigendoran, - - -	-	-	-	-	2	4	-	0	-	-	-	-	-	12	12	0		
	-	-	-	-	-	-	-	-	-	-	3	11	3					
	-	-	-	-	-	-	-	-	-	-	-	-	-	3	11	3		
Totals, - - -	77	1	3	20	144	2	2	2	13	2	0	1	7	3	556	6	3	

in that contractors were required to cover over loose tins and papers at the end of each day's operations. The exigency of the times has now altered this, and householders are now enjoined to keep this out of the ashbin; nevertheless a very considerable quantity is still deposited at the coups. Contractors will not, and cannot, separate all these materials, because of the time involved and shortage of labour. For what has been done voluntarily during the collection of household refuse in the collection and storage of salvageable material, I am indebted to contractors, and I trust that householders bearing in mind the rationing of petrol and the increasing difficulty in retaining labour for this service will only deposit in the bins for removal to the coups that which is for no other use. While appreciative of what contractors have done voluntarily, I have on several occasions found it necessary to warn them regarding the terms of their contracts. Rosneath and Clynder became a Special Scavenging District as from 16th May. A coup for depositing the refuse was let from Rosneath Estate and is situated on the Peaton Hill. Shandon is now the only area on the Gareloch to be provided for, and I am hoping that when peace is restored this part of the Gareloch will have attention.

Table XV shows the salvageable materials collected in each Scavenging District, and the money value in respect thereof.

PUBLIC CONVENIENCES.

These places still appear to be the target of that type of individual who is of a destructive mind, and this year has not escaped their attention in many ways. The public have, however, still to pay the piper even though they have not the calling of the tune. Black-out conditions help them in their mania for destruction, and it is the duty of every one to assist the police and this Department by reporting all cases of wilful damage to property which they may have observed. The erection of the proposed convenience at Clynder, referred to in my last report, is meantime in abeyance.

The following table shows the amounts collected during the year :—

Balloch (old),	-	-	-	-	-	-	£12	3	4
Balloch (new),	-	-	-	-	-	-	49	3	3
Arrochar,	-	-	-	-	-	-	14	0	7
Luss,	-	-	-	-	-	-	9	1	3
Rhu,	-	-	-	-	-	-	7	9	3
Tarbet,	-	-	-	-	-	-	7	0	8
Garelochhead,	-	-	-	-	-	-	5	16	9
Cardross,	-	-	-	-	-	-	2	15	11
Bonhill,	-	-	-	-	-	-	2	8	4
Christie Park,	-	-	-	-	-	-	2	7	5
							<hr/> £112 6 9 <hr/>		

SANITARY CONVENIENCES.

As pointed out in my last report the national necessity is making progress in the provision of proper sanitary conveniences very slow. Consent to proceed on properties where such was very much required being withheld under Defence General Regulation 56 (b).

OFFENSIVE TRADES.

There are no Bye-laws made under Section 32 of the Public Health (Scotland) Act, 1897, for any of the listed offensive trades. There is only one such trade being conducted and that within the Alexandria Works of the United Turkey Red Company. No nuisance has arisen from these works.

FACTORIES ACT, 1937.

Under the above the occupier of a factory was approached for failing to maintain a reasonable temperature in the workshop. This was in a very short period rectified. At other two factories the managements have been approached regarding the provision of proper w.c. accommodation. These at the end of the year had not been completed.

OFFICES.

At the two latter factories above referred to, additional w.c. accommodation has been asked for in order to provide for both sexes. These at the end of the year had not been completed.

TABLE XVI.—DETAILS OF SANITARY CONDITIONS.

	No. of Houses with- out water supply and sink inside House.	No. of W.C.s serving Tenants.				No. of Dry Closets serving Tenants.				No. of Privy Middens serving Tenants.				No. of Ashpits serving Tenants.			
		2	3	4	5	2	3	4	5	2	3	4	5	2	3	4	5
Alexandria, - - -	15	352	172	61	24	3	4	1	—	—	1	4	2	—	—	—	—
Bonhill, - - -	22	100	28	12	2	3	6	—	—	2	—	1	—	—	—	—	3
Jamestown and Balloch, -	17	37	43	6	2	2	2	1	—	—	—	1	18	1	—	—	—
Renton, - - -	39	102	71	35	21	1	1	—	—	—	—	—	—	—	—	—	—
Total, -	93	591	314	114	49	9	13	2	—	2	1	6	20	1	—	—	3

TABLE XVII.—FACTORIES ACT, 1937.

TRADE OR BUSINESS.	PARISHES.														
	Arrochar.			Bonhill.			Cardross.			Dumbarton.			Kilmarnock.		
	Mechanical.	Non-Mech.	Total.	Mechanical.	Non-Mech.	Total.	Mechanical.	Non-Mech.	Total.	Mechanical.	Non-Mech.	Total.	Mechanical.	Non-Mech.	Total.
Aerated Water Manufacturers,	1	..	1	..	..	..	..	..	..	..	..	..
Bakers,
Blacksmiths,	1	1	..	1	1	..	..	..	..	..	..	..	..	..
Bootmakers,	1	1	..	1	1	..	..	..	..	..	..	..	..	..
Bleachers and Dyers,
Cycle Makers,
Dressmakers and Milliners,
Iron Founders,
Hosiery Manufacturers,
Joiners and Cabinetmakers,
Laundries,
Motor Engineers,
Plumbers,
Printers,
Sawmillers,
Sculptors,
Ship and Boat Builders,
Slaughterers,
Tailors,
Watch and Clock Makers
Miscellaneous—Works of Temporary Nature, etc.,	1	1	..	10	17	..	4	3	7	..	..	..	2	2
Total Mechanical,
Total Non-Mechanical,
TOTAL,

SCHOOLS.

Inspection made to all schools within the Western Area shows these to be maintained in a satisfactory condition.

BURIAL GROUNDS.

Millburn Churchyard, Renton, continues to be the subject of inspection before an interment takes place. All burial grounds are maintained in a satisfactory condition.

COMMON LODGING-HOUSES.

There are no common lodging-houses within the District.

BUILDING BYE-LAWS.

Table No. XVIII shows the number of plans submitted and dealt with during the year. The reduction in the number is due to labour being more urgently required for work of national importance, to shortage of material, and to the necessity of obtaining licence before proceeding with works involving heavy capital expenditure.

LIGHTING.

As pointed out in my last report the black-out conditions restricted street lighting. By the beginning of 1940 modified schemes were permitted in certain areas. After due deliberation and inspection of units which had been fitted up in specified areas the District Council agreed to the purchase and fitting of 130 units for Vale of Leven and 30 units for Renton Districts. Each unit is supplied with a No. 1 size burner with fixed nipple, mantle and nozzle, and glassware. The gas consumed is $1\frac{3}{4}$ cubic feet per hour at 500 British thermal units, and the unit must have the B.S.I. mark that it conforms with the specification for street lighting under war-time conditions. During the latter part of the year an additional 48 units were purchased—36 for Vale of Leven District and 12 for Renton District. Part of a building at Carman Road, Renton, and a building at Bridge Street, Alexandria, had to be rented for storage of street lanterns, large numbers of which were being seriously damaged by stone throwing, while 6 25-foot street lamp standards in

TABLE XVIII.—PLANS OF BUILDINGS—WESTERN AREA.

PARISH.	PLANS.						No. of Buildings.				No. of Houses.									
	New Buildings.			Alterations.			Amen- ded.		Total.	Bungalows, &c.	Cottages.	Flats and Terraced Houses.	Total.	2 Apartments.	3 Apartments.	4 Apartments.	5 Apartments.	Over 5 Apartments.	Total.	
	Bungalows, &c.	Cottages.	Flats and Terraced Houses.	Bungalows, &c.	Flats and Terraced Houses.	Total.														
Arrochar, -	1	..	1	..	..	1	..	2	..	2	..	2	..	..	..	..	2
Bonhill, -	2	..	2	..	..	2	1	1	..	2	..	1	1	..	..	..	2
Cardross, -	4	..	5	1	..	5	2	1	3	6	3	1	2	..	..	..	6
Dumbarton, -	2	..	..	..	..	2	..	..	..	..	2
Kilmarnock, -	..	1	..	1	..	2	..	..	2	..	2	..	..	..	..	..	..	..	..	..
Luss, -
Rosneath, -
Rhu, -
Total, -	1	..	..	8	..	10	1	..	10	3	6	3	10	3	6	3	..	..	..	12

Plans were also submitted for 6 Garages, 1 Pavilion, 1 Pig-stye, 1 Tools Shed, 1 Store Building, 1 Hut, 1 Greenhouse, 1 Sawmill, 1 Gas Compression House, 1 Implement Shed, 1 Garage Alteration, 1 Nursery Bothy, and 1 Office.

Bank Street, Alexandria, which had been erected for experimental purposes previous to 1939 were taken over by the District Council.

The Vale of Leven District was extended to include houses on the Luss Road, north of Balloch Loan.

Damage done to lamps chiefly by motor vehicles amounted to £38 8s. 7½d., viz.: Vale of Leven Lighting District, £30 19s. 2½d.; Renton Lighting District, £7 9s. 5d.

The only other special lighting districts are Cardross and Craigendoran. Street lighting in both these districts is meantime discontinued. A claim in respect of lamps damaged in Cardross amounted to £12 10s. 10d.

INCREASE OF RENT AND MORTGAGE INTEREST (RESTRICTIONS) ACTS, 1920-23.

One application was received for certificate under the above and was granted, and one case pending from 1939 was also granted.

BURIALS.

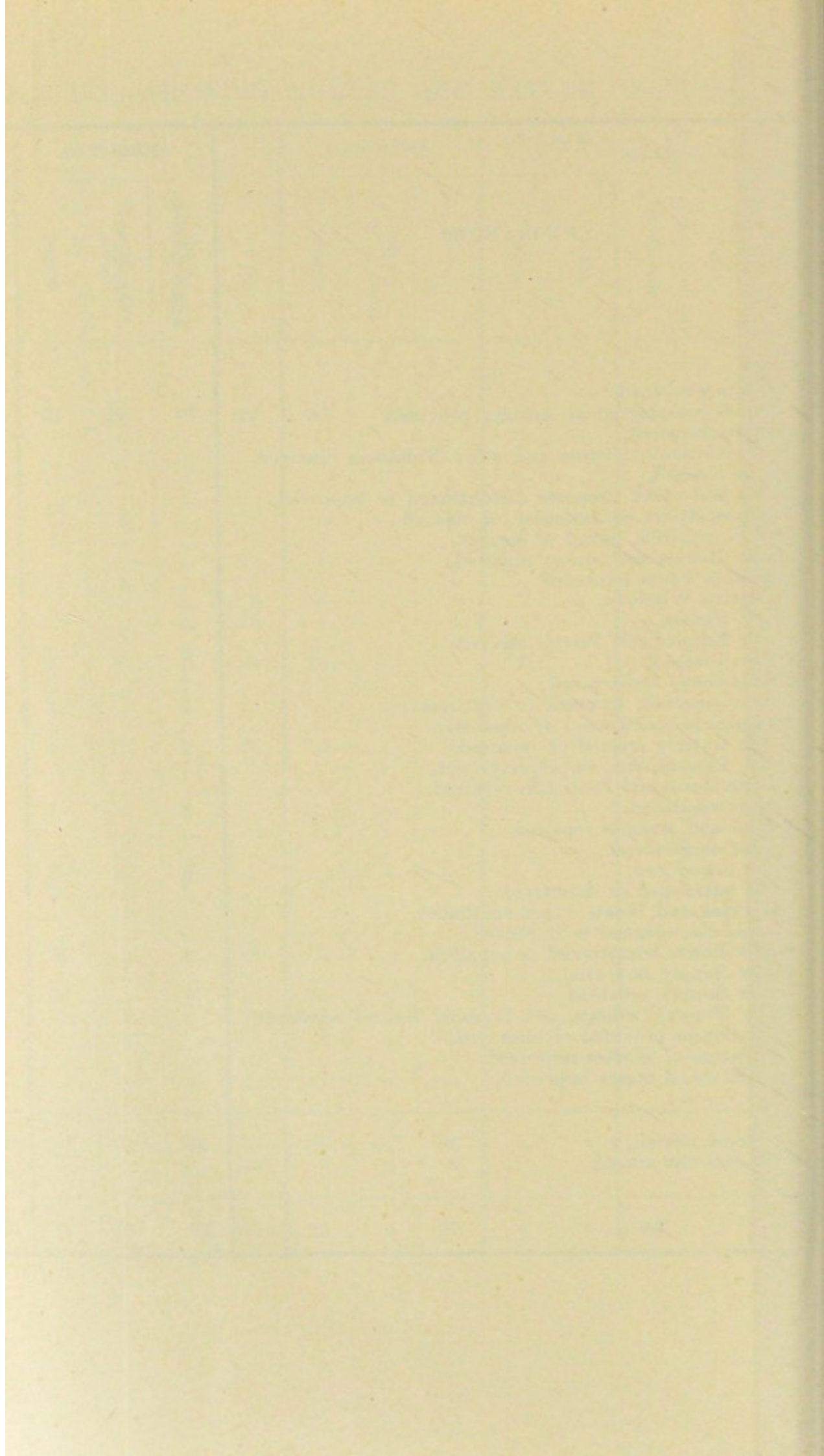
Four burials were undertaken by the Local Authority during the year in terms of Section 69 of the Public Health Act, 1897.

NUISANCES.

Inspections made in respect of nuisances and the removal thereof numbered 2014. In my last two reports I made reference to a piggery regarding which I had cause to complain, and this year it was found necessary to serve a notice under the Public Health (Scotland) Act, 1897, on the owner to abate a nuisance caused through effluent entering Dalmoak Burn. At another property the drainage had been a continual source of trouble due to insufficient gradient, and notice had to be served on the owner to provide sufficient and effectual drainage, while at a property which had been the subject of a Closing Order made under the Housing Acts and in which with the approval of the Council mushrooms were being grown, complaint was made of a nuisance. This was inspected by the Medical Officer and myself but we failed to find any evidence of a nuisance which could be dealt with under the Public Health Acts. Bug infestation had to be dealt with in a number of houses.

TABLE XIX.—SHOWING NUMBER AND NATURE OF NUISANCES.

NUISANCES.	ARROCHAR.			BONHILL.				CARDROSS.			DUMBAR- TON.		KIL- MARNOCK.		LUSS.			ROSNETH.			RHU.				(A)	(B)	TOTAL OF (A) AND (B).
	Arrochar Village.	Other Parts of Parish.	TOTAL.	Alexandria.	Bonhill.	Janestown.	Other Parts of Parish.	TOTAL.	Rencon.	Other Parts of Parish.	TOTAL.	Parish.	TOTAL.	Kilmarnock.	TOTAL.	Luss Village.	Other Parts of Parish.	TOTAL.	Rosneath Village.	Other Parts of Parish.	TOTAL.	Rhu Village.	Gardochhead.	Other Parts of Parish.	TOTAL.	TOTAL ABATED.	
Ashpits abolished,
Ashpits constructed or Ashbins provided,	4	2	6	40	28	12	3	83	25	...	25	2	2	8	4	12	12	12
Ashpits repaired,	12	6	18	141	15
Accumulation of Refuse and other Nuisances removed, . . . . .	...	...	...	...	...	...	...	...	...	...	...	1	1	1	1	...	...	...	...	...	...	...	...	...	1	3
Burns cleaned, . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Byres and other Premises discontinued or improved, . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2
Common Stairs whitewashed or cleaned, . . . . .	...	...	...	9	6	4	...	19	8	...	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Courts repaired, paved or cleaned, . . . . .	...	...	...	12	2	1	...	15	3	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	21	6
Damp Houses shut up or repaired, . . . . .	...	...	...	10	...	...	...	10	3	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	18	...
Defective Vents improved, . . . . .	...	...	...	3	3	1	...	7	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	13	...
Defective Windows, . . . . .	...	...	...	4	1	...	...	5	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	8	...
Dirty Houses, . . . . .	...	...	...	10	5	...	...	15	4	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...
Dirty Ashpits and Privies cleaned, . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	21	...
Drains cleaned,	1	...	1	28	10	6	...	44	15	...	15	2	2	1	1	...	...	4	2	6	...	1	1	2	3	...
Drains (new) constructed,	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...
Drains repaired, trapped, or ventilated,	2	...	2	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	3	...
Dungsteds constructed or repaired, . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...
Eaves Gutters erected or repaired,	1	...	1	17	6	5	...	28	10	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	29	10
Hens, Pigeons, &c., improperly kept, . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Private Roads and Footpaths repaired, . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Privies abolished,	3	...	3	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	5	...
Privies and Ashpits repaired, . . . . .	...	...	...	2	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...
Privies constructed, . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sinks introduced,	6	...	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sinks untrapped or defective,	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...
Soil Pipes and Waste Pipes ventilated, . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...
Stables discontinued or improved, . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Water-closets constructed or repaired,	8	...	8	15	6	3	...	24	7	...	7	...	1	1	1	1	...	1	...	1	...	...	...	...	39	2
Water Supply improved, . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...
Water Supply provided,	8	...	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8	...
Walls, Floors, Ceilings, and Roofs of Houses repaired, . . . . .	...	...	...	14	7	4	...	25	6	...	6	...	...	2	2	...	...	...	...	...	...	...	...	...	34	...
Wash-houses provided or improved, . . . . .	...	...	...	3	1	1	...	5	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...
Ventilation of Houses improved, . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ventilation of Stairs improved, . . . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nuisances abated,	37	2	39	158	67	31	3	259	80	...	80	4	4	15	15	...	...	27	12	39	13	14	6	33	469	...
Nuisances not abated, . . . . .	...	...	...	14	8	6	...	28	5	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	33	...
TOTAL,	37	2	39	172	75	37	3	287	85	...	85	4	4	15	15	27	12	39	13	14	6	33	469	33	502



HOUSING OF SEASONAL WORKERS.

During the year 91 male and 171 female workers, a total of 262, were, under the Bye-laws governing the accommodation for the above, housed on 13 farms. The average stay on each farm was approximately 21 days. While the farmer has, according to the Bye-laws, to give intimation with reference to the accommodation at least four clear weeks prior to the first arrival of the workers this is invariably not done, due, at times, to potatoes having been suddenly sold and the buyer having workers available in the area for lifting of the crop. This results at times in the condition of the premises not being fully available for accommodating the workers. Inspections to the premises are always made prior to arrival and during the stay of the workers to ensure that the accommodation is kept and left in a condition conforming to the Bye-laws.

TENTS, VANS, SHEDS AND HOUSEBOATS.

MILLBURN PARK, ALEXANDRIA.—In my last two reports I dealt with huts on this site. At the beginning of the year a communication was received from the Department of Health inquiring if the Council had any alternative proposal for housing the people on this site. The Department had previously suggested that houses which had been the subject of Closing Orders might with agreement with the owners concerned be, at a nominal cost, made fit for habitation, while I had suggested the possibility of making use of the old R.C. School, Alexandria. These two proposals were rejected by the Council. After consideration and further discussion of the Department's communication it was agreed that the Secretary of State be asked to deal with the matter in the same way as dealt with in another area. I am greatly concerned at the general conditions here and had occasion to report 8 occupants of caravans or huts for lack of sanitary provision, disposal of refuse and ground surroundings. At one time the number of erections on this site was 30, occupied by 34 male adults, 52 female adults, and 70 children under 10 years of age. 695 inspections were made to tents,

&c., in other parts of the district. The accommodation consisted of 35 bell tents; 55 cottage tents; 35 bivouacs; 20 trailer caravans; 58 sheds; 3 railway coaches and 50 houseboats. These were occupied by 760 persons. The general conditions at the majority of these was fairly good. During the year there was a proposal by a Youth Organisation to use a site at Balloch for camping purposes. This site was reckoned as unsuitable and the matter dropped.

PRIVATE STREETS AND FOOTWAYS.

In Vale of Leven, Smollett Street and footway were made up to highway standard. Footways were also made good at parts of Crescent, Arthur Street, Middleton Street, and Overton Street, Alexandria, and Main Street, Bonhill.

RATS AND MICE (DESTRUCTION) ACT, 1919.

A special campaign for the destruction of rats and mice was conducted during March. A joint report on this subject is to be found elsewhere in this report. At a later date, following a communication from the Department of Agriculture for Scotland and advertisement in the press, a letter was addressed to farmers stressing the necessity for conserving food supplies by using every practicable method for the prevention of damage by rats, special attention being taken during threshing operations, particularly where stacks had not been built in "staddles." It was suggested that before threshing operations commenced the stack should be surrounded by a rat-proof fence of fine meshed wire netting, 4 feet high, and set at a distance of approximately 8 feet from the stack. The press notice suggested that farmers might notify this Department in advance of the date upon which threshing operations were to commence. The co-operation of threshing-mill owners was also sought on this matter.

FOOD SUPPLY.

MILK AND DAIRIES (SCOTLAND) ACT, 1914.

MILK (SPECIAL DESIGNATIONS) ORDERS, 1936-38.

The following statement shows the number of registered

dairy farms, milk shops, trading vans, and approximate number of dairy cows in each Parish :—

Parish.	Registered Dairy Farms.	Milkshops.	Trading Vans.	Approx. No. Dairy Cows.
Bonhill, - - -	17	9	8	380
Kilmarnock, - - -	38	1	1	976
Luss, - - -	10	—	1	158
Cardross, - - -	19	6	3	630
Rhu, - - -	9	2	6	170
Rosneath, - - -	13	—	8	219
Dumbarton, - - -	6	—	1	194
Arrochar, - - -	3	—	1	11
Burgh of Helensburgh,	3	8	9	80
Totals, -	118	26	38	2818

During the year 2 farms ceased to be dairy farms; 2 gave up farming; 3 were consequent on the extension of Dumbarton Burgh Boundary included within the Burgh, and 4 were granted new registration. At the end of the year 56 producers held licences under the Milk (Special Designations) Order, particulars of the grades of milk produced under these licences is as shown in the following tabular statement :—

Special Designation.	Producers.	Retailers.
Certified, - - - - -	2	7
Tuberculin tested, - - - - -	18	5
Standard, - - - - -	36	—
Pasteurised, - - - - -	—	2
	56	14

Three new applications for standard licences and one new application for a T.T. licence were granted. 1 standard licence was revoked and 2 standard and 1 T.T. licences were surrendered by farmers ceasing to produce, while 3 farms, 2 of which had standard licences and 1 a T.T. licence, were absorbed in Dumbarton Burgh extension of boundaries. 179 samples of designated milks were submitted for bacteriological analysis, 37 of which had a higher count than that permitted under the Order, while 6 were deficient in milk fat. Visits

to farms are made during milking periods to ascertain if possible the cause or causes of high bacterial counts which generally may be summarised as (1) want of proper grooming of the cows; (2) careless washing of udders; (3) failure to clip long hair on udders; (4) milk not being immediately removed from byre and milkers failing to wash their hands and to wear overalls kept solely for this purpose. Of the above 37 samples referred to 2 were certified, 7 tuberculin tested and 28 standard milk. It will be noted that only 56 producers of milk out of a total of 118 have, despite the encouragement given by the Local Authority and the bonus paid in respect of designated milks, applied for a designated milk licence. A summary of the counts of graded milks is shown.

SUMMARY OF COUNTS OF GRADED MILKS.

Over.	Under.	Certified.	T.T.	Standard.	Total.
—	2,000	1	2	4	7
2,000	5,000	2	6	20	28
5,000	15,500	1	18	29	48
15,000	30,000	1	10	14	25
30,000	40,000	...	5	3	8
40,000	50,000	...	3	7	10
50,000	60,000	...	2	4	6
60,000	70,000	1	...	1	2
70,000	80,000	...	...	...	...
80,000	90,000	...	...	3	3
90,000	100,000	...	...	...	...
100,000	110,000	...	...	1	1
110,000	120,000	...	1	2	3
120,000	130,000	...	...	2	2
130,000	140,000	...	...	...	...
140,000	150,000	...	1	1	2
150,000	160,000	1	...	...	1
160,000	170,000	...	...	...	...
170,000	180,000	...	...	...	...
180,000	190,000	...	1	4	5
190,000	200,000	...	1	1	2
200,000	—	...	4	22	26
		7	54	118	179

Four T.T. Milks had positive coli counts, 1 of which had also a bacterial count in excess of that permitted, and 18 Standard Milks had positive coli counts, 12 of which had also a bacterial count in excess of that permitted under the Order.

PUBLIC HEALTH (MEAT) REGULATIONS (SCOTLAND), 1932.

The following private slaughter-houses were licensed by the Local Authority during the year but were due to expire on 28th May :—

Vale of Leven Co-operative Society, for premises at Bank Street, Alexandria.

James S. Gray, Garelochhead, for premises at Euston Place, Garelochhead.

David Spence, Jamestown, for premises at Oakburn, Jamestown.

Owing to the centralizing of slaughtering, the number of cattle dealt with in above premises has been considerably reduced. The following table gives the number and class of cattle slaughtered.

Class of Animal.	Number of Animals.			Weight (in lbs.) of Condemned Meat and Offal.
	Slaughtered.	Wholly Condemned.	Partially Condemned.	
Cattle,	37	—	15	148
Sheep, - - -	67	—	9	36
Pigs, - - -	21	—	5	42

SLAUGHTER OF ANIMALS (SCOTLAND) ACT, 1928.

Renewals of licences under the above Act were granted to James S. Gray and William Wilson, Garelochhead; Charles Murray, Vale of Leven Co.-op. Society, Ltd.; and David Spence, Jamestown. New licences were granted to James C. King, 198 Bank Street, Alexandria.

FOOD AND DRUGS (ADULTERATION) ACT, 1928.

PUBLIC HEALTH (PRESERVATIVES IN FOOD) REGULATIONS (SCOTLAND), 1925-27.

Under the above, 233 samples were taken—193 of which were “ test ” samples and 40 official. All official samples were found on analysis to be genuine.

FOOD AND DRUGS (ADULTERATION) ACT, 1928.

Parish.	Record No.	Article.	Percentage of Milk Fat.	Percentage of Milk Solids other than Milk Fat.	Result.
Bonhill,	*2w	Sweet Milk	3.18	8.74	Genuine
"	*15w	Standard Milk	3.34	8.64	"
"	*16w	"	3.21	8.89	"
"	*17w	"	3.97	8.81	"
"	*22w	"	3.92	8.68	"
"	*37w	"	4.14	9.03	"
"	*38w	"	3.46	8.80	"
"	*42w	T.T. Milk	3.25	8.83	"
"	*52w	Standard Milk	3.40	8.19	"
"	*54w	"	3.01	8.48	"
"	*61w	"	3.48	8.52	"
"	*63w	T.T. Milk	3.82	8.94	"
"	*84w	Standard Milk	3.51	8.59	"
"	87w	Sugar	—	—	"
"	88w	Butter	—	—	"
"	*91w	Standard Milk	3.09	8.95	"
"	*93w	"	3.01	8.75	"
"	*94w	"	3.21	8.89	"
"	*107w	"	3.02	8.68	"
"	*114w	"	4.02	8.96	"
"	*115w	"	3.98	9.19	"
"	*116w	"	3.32	8.84	"
"	*122w	"	3.68	8.64	"
"	*123w	T.T. Milk	4.62	8.90	"
"	*132w	Standard Milk	4.48	8.62	"
"	*133w	T.T. Milk	4.75	8.65	"
"	*146w	Standard Milk	3.11	8.52	"
"	*147w	"	3.47	8.75	"
"	*153w	T.T. Milk	3.81	9.17	"
"	158w	Mince	—	—	"
"	159w	Ground Coffee	—	—	"
"	160w	Sausage	—	—	"
"	161w	Pickles	—	—	"
"	162w	Tea	—	—	"
"	163w	Plum Jelly	—	—	"
"	164w	Baking Powder	—	—	"
"	165w	Cocoa	—	—	"
"	166w	Rice	—	—	"
"	167w	Green Peas	—	—	"
"	168w	Semolina	—	—	"
"	169w	Vinegar	—	—	"
"	170w	Flour	—	—	"
"	171w	Tinned Peaches	—	—	"
"	172w	Fruit Salad	—	—	"
"	173w	White Pepper	—	—	"
"	174w	Cream of Tartar	—	—	"
"	175w	Beer	—	—	"
"	176w	Sliced Sausage	—	—	"
"	177w	Yorkshire Relish	—	—	"
"	178w	Liquorice—All sorts	—	—	"
"	*201w	Standard Milk	4.25	8.99	"
"	*206w	T.T. Milk	4.02	8.70	"
"	*207w	Standard Milk	3.70	8.68	"
"	*209w	"	3.76	9.10	"
"	*211w	T.T. Milk	4.29	9.21	"
"	*220w	Standard Milk	3.35	8.79	"
"	*231w	T.T. Milk	3.62	8.94	"
"	*232w	"	4.00	8.90	"
"	*233w	"	3.70	8.74	"
Kilmarnock,	*3w	Sweet Milk	3.63	9.01	"
"	4w	"	3.38	8.66	"
"	5w	"	3.84	8.68	"
"	6w	"	3.66	8.64	"

* Denotes Test Samples.

FOOD AND DRUGS (ADULTERATION) ACT, 1928.

Parish.	Record No.	Article.	Percentage of Milk Fat.	Percentage of Milk Solids other than Milk Fat.	Result.
Kilmaronock— <i>contd.</i>	*39w	Standard Milk	3.78	8.90	Genuine
"	*40w	"	3.94	8.86	"
"	*41w	"	3.53	8.65	"
"	*43w	T.T. Milk	3.32	8.82	"
"	*44w	Standard Milk	3.24	8.80	"
"	*45w	"	3.37	8.68	"
"	*46w	"	3.35	8.80	"
"	*47w	"	3.20	8.54	"
"	*48w	T.T. Milk	3.21	8.67	"
"	*49w	Standard Milk	3.07	8.79	"
"	*53w	"	3.59	8.67	"
"	*55w	"	3.42	8.60	"
"	*56w	T.T. Milk	3.05	8.33	"
"	*57w	"	3.79	8.91	"
"	*62w	Standard Milk	3.50	8.56	"
"	*64w	"	4.18	8.66	"
"	*65w	T.T. Milk	4.12	9.08	"
"	*66w	Standard Milk	4.13	8.95	"
"	*85w	"	3.20	8.76	"
"	*86w	"	3.47	8.83	"
"	*92w	"	3.71	8.59	"
"	*97w	"	3.47	9.09	"
"	*98w	"	3.51	9.13	"
"	*99w	T.T. Milk	3.20	8.96	"
"	*100w	Standard Milk	2.82	8.78	Not Genuine
"	*101w	T.T. Milk	3.34	8.64	Genuine
"	*102w	Standard Milk	3.60	8.98	"
"	*103w	T.T. Milk	3.85	8.99	"
"	*108w	Standard Milk	3.11	8.67	"
"	*109w	T.T. Milk	3.65	8.81	"
"	*110w	"	3.81	8.93	"
"	*111w	Standard Milk	3.45	8.85	"
"	*112w	"	3.36	8.72	"
"	*113w	"	3.93	8.59	"
"	*117w	T.T. Milk	3.72	8.96	"
"	*118w	Standard Milk	3.59	8.73	"
"	*119w	"	3.44	9.00	"
"	*120w	"	3.52	9.12	"
"	*124w	"	3.83	8.69	"
"	*134w	"	3.57	8.79	"
"	*148w	"	3.53	8.79	"
"	*149w	"	3.66	8.84	"
"	*154w	T.T. Milk	3.51	9.01	"
"	*155w	Standard Milk	4.41	8.85	"
"	*156w	T.T. Milk	4.17	8.83	"
"	*157w	Standard Milk	4.31	9.39	"
"	*208w	"	3.97	9.87	"
"	*210w	"	4.03	8.63	"
"	*212w	"	4.45	8.61	"
"	*213w	"	3.99	8.93	"
"	*214w	T.T. Milk	3.92	8.74	"
"	*215w	"	3.92	8.74	"
"	*221w	Standard Milk	4.32	8.74	"
"	*222w	T.T. Milk	3.85	9.09	"
"	*223w	Standard Milk	3.85	8.97	"
Cardross,	*1w	Sweet Milk	5.29	9.18	"
"	*7w	"	3.70	9.02	"
"	*8w	"	2.73	8.56	Not Genuine
"	*18w	Standard Milk	3.12	8.93	Genuine
"	*19w	T.T. Milk	3.73	9.07	"
"	*20w	"	3.57	9.21	"
"	*21w	"	3.18	8.83	"

* Denotes Test Samples.

FOOD AND DRUGS (ADULTERATION) ACT, 1928.

Parish.	Record No.	Article.	Percentage of Milk Fat.	Percentage of Milk Solids other than Milk Fat.	Result.
Cardross— <i>contd.</i> , ..	*23w	Cert. Milk	3.87	8.95	Genuine
" " "	*24w	T.T. Milk	3.43	8.81	"
" " "	*67w	"	3.24	9.00	"
" " "	*68w	"	3.38	8.80	"
" " "	*69w	"	3.68	8.70	"
" " "	*70w	Standard Milk	3.09	8.51	"
" " "	*71w	"	3.44	8.86	"
" " "	*72w	"	3.69	8.87	"
" " "	*73w	"	3.73	8.75	"
" " "	*74w	"	3.35	8.75	"
" " "	*75w	T.T. Milk	3.01	8.77	"
" " "	*76w	Standard Milk	3.51	8.97	"
" " "	*77w	T.T. Milk	3.53	8.63	"
" " "	*78w	"	4.14	8.80	"
" " "	*79w	Cert. Milk	3.04	8.48	"
" " "	*121w	Sausage	—	—	"
" " "	*125w	Standard Milk	4.58	8.62	"
" " "	*126w	"	4.29	8.61	"
" " "	*127w	"	4.16	8.68	"
" " "	*128w	T.T. Milk	4.22	8.64	"
" " "	*129w	Standard Milk	4.12	8.70	"
" " "	*130w	"	4.08	8.72	"
" " "	*131w	"	3.52	8.78	"
" " "	*135w	"	4.19	7.83	Not Genuine
" " "	*136w	"	4.12	8.76	Genuine
" " "	*137w	"	3.93	8.67	"
" " "	*150w	"	3.15	8.83	"
" " "	*151w	"	3.93	8.81	"
" " "	*152w	"	4.12	8.62	"
" " "	179w	Sliced Sausage	—	—	"
" " "	180w	Mince	—	—	"
" " "	181w	Ground Ginger	—	—	"
" " "	182w	Table Jelly	—	—	"
" " "	183w	Sliced Sausage	—	—	"
" " "	184w	Pork and Beans	—	—	"
" " "	185w	Aerated Water	—	—	"
" " "	*186w	T.T. Milk	3.42	8.50	"
" " "	*187w	"	4.55	8.71	"
" " "	*188w	"	3.93	9.01	"
" " "	*189w	Standard Milk	3.21	8.89	"
" " "	*190w	"	3.96	8.92	"
" " "	*191w	"	4.31	8.83	"
" " "	*192w	"	3.83	8.95	"
" " "	*193w	T.T. Milk	3.54	8.86	"
" " "	*194w	"	3.68	8.94	"
" " "	*195w	"	3.51	8.77	"
" " "	*196w	Cert. Milk	3.82	8.88	"
" " "	*197w	Standard Milk	3.42	8.92	"
" " "	*219w	"	3.97	8.93	"
Rhu, " " "	*32w	"	3.23	8.75	"
" " "	*33w	"	3.62	8.86	"
" " "	*34w	"	3.66	8.84	"
" " "	*81w	"	3.02	8.81	"
" " "	*95w	"	3.33	9.09	"
" " "	*96w	"	3.98	8.92	"
" " "	*105w	"	2.70	8.74	Not Genuine
" " "	*106w	"	3.21	8.67	Genuine
" " "	144w	Sweet Milk	3.37	8.90	"
" " "	145w	"	3.76	8.52	"
" " "	*202w	"	4.31	8.89	"
" " "	*205w	"	3.99	7.90	Not Genuine
" " "	*230w	Standard Milk	4.20	8.80	Genuine

* Denotes Test Samples.

FOOD AND DRUGS (ADULTERATION) ACT, 1928.

Parish.	Record No.	Article.	Percent- age of Milk Fat.	Percent- age of Milk Solids other than Milk Fat.	Result.
Rosneath,	*27w	T.T. Milk	2.31	8.89	Not Genuine
"	*28w	"	2.93	8.52	"
"	*29w	"	3.46	8.79	Genuine
"	30w	Sweet Milk	3.17	8.55	"
"	31w	"	3.19	8.54	"
"	*59w	T.T. Milk	3.60	8.94	"
"	*60w	"	3.25	8.53	"
"	*139w	"	3.75	9.23	"
"	*140w	"	3.60	8.73	"
"	*141w	"	3.46	8.52	"
"	142w	Sweet Milk	4.07	8.85	"
"	*143w	Standard Milk	3.09	8.52	"
"	*225w	"	3.61	8.50	"
"	*226w	T.T. Milk	3.63	8.81	"
"	*227w	"	3.86	9.02	"
"	*228w	"	3.60	8.58	"
"	*229w	"	4.24	8.86	"
Dumbarton, ..	*9w	Standard Milk	3.54	8.91	"
"	*10w	"	3.22	8.76	"
"	*11w	"	2.94	8.90	Not Genuine
"	*12w	"	3.44	8.59	Genuine
"	*13w	"	2.93	8.58	Not Genuine
"	*14w	T.T. Milk	3.28	9.14	Genuine
"	*50w	Standard Milk	3.81	8.52	"
"	*51w	"	3.45	8.73	"
"	*89w	"	3.63	8.79	"
"	*90w	"	3.02	8.76	"
"	*216w	"	3.61	8.77	"
"	*217w	"	3.83	8.65	"
"	*218w	"	4.03	8.85	"
Luss,	*35w	"	3.57	8.50	"
"	*36w	"	4.18	8.82	"
"	*82w	"	3.13	8.63	"
"	*83w	"	3.23	8.79	"
"	*198w	"	3.71	8.83	"
"	*199w	"	3.58	8.64	"
"	*200w	"	3.56	8.60	"
Helensburgh, ..	*25w	Cert. Milk	3.60	8.68	"
"	*26w	T.T. Milk	3.55	8.81	"
"	*58w	Cert. Milk	3.56	9.12	"
"	*80w	T.T. Milk	3.27	8.79	"
"	*104w	Cert. Milk	3.17	8.95	"
"	*138w	T.T. Milk	3.62	8.83	"
"	203w	Sweet Milk	4.16	8.76	"
"	204w	"	5.17	8.91	"
"	*224w	Cert. Milk	4.72	8.90	"

* Denotes Test Samples.

FERTILISERS AND FEEDING STUFFS (ACT), 1926.

No samples were taken during the year under the above Act.

SHOPS ACTS, 1912-1938.

By an Order in Council made on 7th March, Defence Regulation 60A was revoked making the earlier closing hours

SHOPS ACTS, 1912-1938.

TABLE XX.—SHOWING NUMBER OF SHOPS AND NATURE OF BUSINESSES CARRIED ON IN THE VARIOUS PARISHES THROUGHOUT THE DISTRICT.

PARISHES.	Bakers.	Butchers.	Chemists.	Clothiers and Tailors.	Cycle Agents, &c.	Confectioners.	Dairies.	Dressmakers and Milliners.	Fish and Chip Shops.	Fishmongers.	Fruiters.	Furniture Dealers.	Grocers.	Hairdressers.	Hardware and Dry-salters.	Ice Cream and Aerated Water Vendors.	Newsagents and Stationers.	Saddlers.	Shoemakers.	Tobaccoconists.	Watchmakers.	Tea Rooms and Restaurants.	TOTAL.	
Arrochar, -	1	1	—	—	—	2	—	1	—	—	—	—	3	—	1	—	1	—	—	1	—	—	3	14
Bonhill, -	13	12	5	4	1	42	8	24	6	3	14	4	22	8	7	10	17	—	—	8	5	2	9	224
Cardross, -	5	8	2	2	2	22	5	6	2	1	6	—	9	3	1	2	7	—	—	2	—	1	—	86
Dumbarton, -	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Kilmaronock, -	—	—	—	—	—	—	1	—	—	—	—	—	1	—	—	—	1	—	—	—	—	—	—	3
Luss, -	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	5	6
Rhu, -	3	1	1	—	1	6	1	1	—	—	—	—	5	—	1	—	4	—	—	—	—	—	4	28
Rosneath, -	1	1	—	—	1	2	—	—	—	—	—	—	3	1	—	—	1	—	—	—	—	—	1	11
Totals, -	23	23	8	6	5	74	15	32	8	4	20	4	44	12	10	12	31	—	—	11	5	3	22	372

in operation cease to apply, the general closing hours laid down in Section 1 of the Shops (Hours of Closing) Act, 1928, being again in force. This Defence Regulation 60A was at the latter part of the year revived in a modified form, the general effect of which was that shops which were at present subject to the general closing hours fixed by the Shops (Hours of Closing) Act, 1928, were during the period mentioned to close not later than 7.30 p.m. on the late day and 6 p.m. on other days, with power to Local Authorities to make certain later hours. The later hours fixed were 7.30 p.m. on Saturdays; 7 p.m. on Fridays; and 6 p.m. on other days. Inspections under the above were less frequent than I would have desired because of the additional work devolving on the Department in connection with the Government Evacuation Scheme. Table No. XX gives a record of the shops and nature of businesses carried on. No contraventions were reported during the year.

GOVERNMENT EVACUATION SCHEME.

A considerable amount of work was carried out by my Department in connection with the reception and billeting of mothers and children transferred under the Government Evacuation Scheme. The district was divided into sections and voluntary Billeting Officers appointed to undertake the work of reception and billeting. The highest praise is due to these voluntary workers and in this connection I wish to record my thanks and appreciation of the work done by the W.V.S., the W.R.I. and other organisations who assisted at this time.

At the end of the year there were 194 children and 47 adults in residence throughout the area.

SUMMARY OF INSPECTIONS FOR 1940.

Buildings (new),	-	-	-	-	240
Buildings (alterations, &c.),	-	-	-	-	172
Dairies, cowsheds and milkshops,	-	-	-	-	386
Factories and workshops,	-	-	-	-	465
Investigation of infectious disease,	-	-	-	-	574
Nuisances,	-	-	-	-	2014

Pigsties, - - - - -	76
Seasonal workers, - - - - -	107
Shops, - - - - -	268
Slaughter-houses, - - - - -	32
Schools, - - - - -	112
Special drainage districts, - - - - -	384
Special scavenging districts, - - - - -	14,694
Special lighting districts, - - - - -	1746
Tents, vans, sheds, and houseboats, - - - - -	785
Inspections under Housing and Town Plan- ning, Rural Workers, and Rent Restric- tion Acts, &c., - - - - -	1238
Housing 1935 Act, overcrowding survey, - - - - -	652
Rivers pollution, - - - - -	65
Rats and Mice Destruction Act, - - - - -	362
Miscellaneous, - - - - -	8140
	<hr/>
	32,512
	<hr/>

I have the honour to be,

Ladies and Gentlemen,

Your obedient servant,

THOMAS ALLAN,

County Sanitary Inspector.

REPORT BY SANITARY INSPECTOR IN THE EASTERN AREA.

24 GEORGE SQUARE,
GLASGOW, C.2.

LADIES AND GENTLEMEN,

I submit to you, in a restricted form, Annual Report for the year 1940.

WATER SUPPLY.

During the year 1940, 17 samples were collected and analysed by the Public Analyst:—

No	From	Water Supply.
1E.	Police Station House, Bowling.	Bowling.
2E.	Gamekeeper's House, Bowling.	Private Supply.
3E.	Trough at Gamekeeper's House, Bowling.	Private Supply.
4E.	Cumbernauld District Council Office.	Lanarkshire.
5E.	Footbridge, Waterside (Brennan's House).	Kirkintilloch.
6E.	Police Station, Old Kilpatrick.	Old Kilpatrick (Private).
7E.	Police Station House, Bowling.	Bowling.
8E.	Police Station House, Duntocher.	Clydebank and District.
9E.	Dumbarton Water supplied to Reservoir.	Bowling.
10E.	Main Feeder as supplying Reservoir.	Bowling.

No.	From	Water Supply.
11E.	Water before entering filters.	Bowling.
12E.	Water after passing through filters.	Bowling.
13E.	8 Woodside Place, Bowling (R. Hogg).	Bowling.
14E.	Chapel House, Croy.	Private.
15E.	Ditch, 50 yards N. of Filter House.	Bowling.
16E.	Auxiliary Tank, Bowling Filters (overflow from Gamekeeper's well).	Bowling.
17E.	Gamekeeper's well, Bowling Filters.	Bowling.

West Kilpatrick Parish: Old Kilpatrick Private Supply.—This water supply remains under private control and the analyses of the sample of water taken during the year proved favourable.

Bowling Supply.—As stated in my report for the year 1939, mechanical filters have now been installed. This is a definite improvement over the old method of sand filtration and at different periods of the year the water was sampled in order to test the quality.

East Kilpatrick Parish.—The water supply for this area called for no special comment during the year. The pressure of water has been maintained satisfactorily during the year in the high-lying portions of the Parish. This supply is from Glasgow Corporation sources.

Cumbernauld Parish.—The water supply for this Parish is satisfactory. Negotiations between the County Council, the County Council of Lanark, and the Department of Health regarding the proposed water supply to the Arns have been concluded and the necessary work has been commenced to supply this portion of the Parish.

Kirkintilloch.—This supply has been entirely satisfactory during the year and calls for no special mention.

DRAINAGE SYSTEMS—EFFICIENCY.

Owing to hostilities, no new developments have been made.

The efficiency of drainage in one part of the area has been considerably increased by the bye-passing of a sewer which was running to full capacity. The bye-pass sewer has been connected to the main sewer from above the point creating the nuisance.

Regarding the recently completed drainage of Bowling and district there is nothing to report. The drainage system is functioning satisfactorily.

SEWAGE PURIFICATION AND DISPOSAL.

Sewage effluents from the sewage purification works were sampled during the year.

SCAVENGING—METHODS AND EFFICIENCY.

BEARSDEN SPECIAL SCAVENGING DISTRICT.

Transport—Motor wagons, 4.

Staff—4 motor drivers; 15 scavengers (4 temporary); 2 coup attendants.

Ten members of the Scavenging service were called up for Military Service during the year. Four additional temporary men were employed.

The number of householders in the Garden Refuse Scheme is 803. Payments received amounted to £425 19s. 11d., this sum being placed to the credit of the district scavenging rate.

The removal of furnace ashes was continued and the sum of £23 13s. was realised.

Lawmuir Coup.—The arrangements at this coup are satisfactory. Adjoining the coup there is a ditch which had to be piped to allow full use of the ground and ensure proper access to the coup. The expenditure amounted to £27 18s. 7d.

DUNTOCHER SPECIAL SCAVENGING DISTRICT.

Transport—1 motor wagon.

Staff—1 motor driver; 3 scavengers (1 temporary).

KILPATRICK AND BOWLING SPECIAL SCAVENGING DISTRICT.

Transport—1 motor wagon.

Staff—1 motor driver; 5 scavengers (1 temporary); 1 coup attendant.

One member of the scavenging staff has been called up for Military Service.

Dumbuck Coup.—This coup continued to be satisfactory and meets all requirements of the district.

Garscadden Garage.—Accommodation for the garaging of all vehicles is amply provided for. The outer store has been renovated and adapted to all requirements as a mortuary under Civil Defence Regulations. A complete Decontamination Station is also provided, with suitable accommodation for training of Anti-Gas personnel.

SCAVENGING CONTRACTS.

Cumbernauld Special Scavenging District—

Contractor—Alexander Forrester & Son, Roadside, Cumbernauld.

Contract price—£157.

Condorrat Special Scavenging District—

Contractor—Robert Roberts, Main Road, Condorrat.

Contract price—£83.

Croy Special Scavenging District—

Contractors—Robert Millar and James Ryan, Braefoot Cottage, Condorrat.

Contract price—£118.

Waterside Special Scavenging District—

Contractor—William Stuart, 28 Donaldson Street, Kirkintilloch.

Contract price—£97.

SALVAGE.

As recommended by the Ministry of Supply, a Salvage Scheme has been commenced in this area.

A portion of the Depot at Garscadden is utilised for the

storage, dividing, and assembling in their various categories, of the different types of materials. When the scheme is further developed and enlarged on, the results should prove beneficial to the war effort and gratifying to the ratepayers.

PUBLIC CONVENIENCES.

There are four Public Conveniences and one Public Urinal in the area.

Money collected during the financial year amounted to:—

Old Kilpatrick,	-	-	-	-	£17	14	6
Duntocher,	-	-	-	-	4	14	9
Hardgate,	-	-	-	-	6	5	4
					£28	14	7

SANITARY CONVENIENCES.

In Table XXI is found a record of dry-closets, water-closets, and water supply, &c., applicable to houses in the area.

SCHOOLS.

A record of the accommodation, water supply and systems of drainage are noted in Table XXII.

FACTORIES ACT, 1937.

Inspections were carried out during the year under the above Act. See Table XXIII.

BURIAL GROUNDS—SANITARY CONDITIONS.

Inspections were made during the year and conditions were found to be in accordance with all requirements.

BUILDING REGULATIONS.

On reference to Table XXIV there will be found a record of the buildings for which plans were approved during the year and the outstanding decline in the figures is naturally due to the suspension of building programmes which were under contemplation at the outbreak of war.

NAMING OF STREETS.

No new streets required naming during the year.

TABLE XXI.—DETAILS OF SANITARY CONDITIONS—EASTERN AREA.

PARISH.	Dry Closets in use serving Tenants.					Water Closets serving Tenants.					Houses, Tenants not having use of Water Closet or Dry Closet.	Houses without indoor water supply and sink.
	1	2	3	4	5	2	3	4	5			
Bearsden, - - -	...	...	...	...	...	6	1	1	...	...	...	...
Condorrat, - - -	6	3	1	1	1	12	7	...	...	...	41	...
Cumbernauld, - - -	...	1	...	..	...	35	12	...	...	...	53	...
Duntocher, Hardgate, and Faifley, - - -	1	...	..	...	...	61	16	20	...	...	6	...
Old Kilpatrick, - - -	1	...	...	...	...	16	6	5	..	...	...	...
Bowling, - - -	1	2	...	...	...	23	11	6	..	...	...	...
Milton and Dumbuck, - - -	1	23	6	..	...	...	...	...	...	...	57	...
Twechar, - - -	...	...	...	...	...	43	36	...	...	...	...	...
Waterside, - - -	2	5	..	...	2	3	...	...	...	...	9	...
TOTAL, - - -	12	34	7	1	3	199	89	32	...	...	166	...

TABLE XXII.—SCHOOLS.—(EASTERN AREA).

SCHOOL.	PUPILS.			STAFF.		WATER SUPPLY.	DRAINAGE.	REMARKS.
	Accommodation for	Average No. on Roll.	Water Closet and Urinal Accommodation.	Num-ber.	Water Closet Accommodation.			
Cumbernauld P.S., ..	190 p.p. 347 p. 99	85 p.p. 256 p. 66	18	13	3	Lanarkshire Grav.	To Distr. Sewer.	—
Southern District, ..			8	2	1	Do.	Septic Tank.	Effluent discharges into road drain.
Condorrat, ...	279	100	8	3	1	Do.	Do.	Do.
Holy Cross R.C., ...	483	375	13	10	2	Do.	To Distr. Sewer.	—
Twechar, ...	270 p.p. 400 p.	59 p.p. 277 p.	19	12	5	Do.	Septic Tank.	Effluent discharges into Board Burn.
Gartconner, ...	235	133	6	4	1	Kirkintilloch Grav.	Do.	Effluent discharges into field.
Bearsden Academy, }	332 p.p. 600 p.	345 543	21	30	3	Glasgow Corporation Grav. Supply.	To Distr. Sewer.	—
Westerton, ...			2	1	—	Do.	Do.	Rented premises for infants only.
Craigton, ...	104	32	6	2	1	Private Supply.	Septic Tank.	—
Gavinburn, ...	58 p.p. 453 p.	260	24	15	2	Old Kilpatrick Grav. Supply.	To Distr. Sewer.	—
Duntocher, ...	60 p.p. 329 p.	57 251	20	11	2	Clydebank Grav. Supply.	Do.	—
St. Mary's R.C., ...	79 p.p. 450 p.	111 382	13	15	2	Do.	Do.	—
Milton P.S. ...	220	120	15	2	1	Bowling Gravitation Supply.	Discharged into River Clyde.	—
Kessington, ...	200	130	11	4	2	Glasgow Corporation.	District Sewer.	—

p.p. = post-primary.

p. = primary.

TABLE XXIII.—FACTORIES ACT, 1937.

TRADE OR BUSINESS.	Cumbernauld.	Kirkintilloch.	East Kilpatrick.	West Kilpatrick.	TOTAL.
Bakers, - - - - -	4	...	2	3	9
Blacksmiths, - - - - -	4	...	...	...	4
Bootmakers, - - - - -	...	1	2	2	5
Butchers, - - - - -	3	1	7	3	14
Chemical Works, - - - - -	1	...	...	...	1
Distillers, - - - - -	...	...	...	2	2
Dressmakers, - - - - -	...	2	...	...	2
Electrical Manufacturers, - - - - -	...	...	...	1	1
Fireclay Works, - - - - -	2	1	...	...	3
Grain Mills, - - - - -	4	...	...	...	4
Hosiery Manufacturers, - - - - -	...	...	...	...	...
Joiners and Carpenters, - - - - -	2	...	1	2	5
Laundries, - - - - -	...	...	...	1	1
Motor Engineers, - - - - -	3	...	3	1	7
Plumbers, - - - - -	1	...	...	3	4
Saddlers, - - - - -	...	...	...	...	...
Shipbuilders, - - - - -	...	...	...	2	2
Sculptors, - - - - -	...	...	...	1	1
Tailors, - - - - -	2	...	...	...	2
Miscellaneous, - - - - -	2	...	1	1	4
Watchmakers, - - - - -	...	...	1	...	1
TOTALS, - - - - -	28	5	17	22	72
INSPECTIONS, - - - - -	28	9	17	26	80

TABLE XXIV.—PLANS OF BUILDINGS—EASTERN AREA.

PARISHES	PLANS.					No. of Buildings.			No. of Houses.					Total.				
	New Buildings.		Alterations.			Bungalows.	Cottages.	Plats and Terrace Houses.	Bungalows.	Cottages.	Plats and Terrace Houses.	2 Apartment.	3 Apartment.		4 Apartment.	5 Apartment.	Over 5 Apartments	
	Bungalows.	Cottages.	Plats and Terrace Houses.	Bungalows, &c.	Plats and Terrace Houses.													Total.
Cumbernauld, -	...	...	...	...	1	...	1	...	1	...	...	...	...	1	...	...	...	1
Kirkintilloch, -	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
East Kilpatrick, -	1	...	15	...	16	16	...	...	16	...	...	...	...	9	3	4	16	16
West Kilpatrick, -	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total, -	1	...	15	1	17	16	1	...	17	...	...	...	...	10	3	4	17	17

Plans were also passed for 63 other buildings including 37 Garages and 1 for Pithead Baths.

STREET LIGHTING.

Following the Report of the Ministry of Home Security, on Emergency Street Lighting, a specification for Street Lighting under war-time conditions was issued by the joint committee of the Illuminating Engineering Society and the Ministry of Home Security (A.R.P. Department) B.S./A.R.P. 37. Demonstrations were given in all 9 Special Lighting Districts and agreement was reached that modified street lighting should be commenced throughout all the special lighting districts. In Bearsden Special Lighting District, 250 lamps were fitted out and lit, this being approximately 25 per cent. of the total number of lamps in the area. The position of the lamps in commission was carefully considered so that the maximum lighting efficiency would be maintained. In all other Special Lighting Districts all units were fitted out and lit.

				GAS.				
District.				Street Lamps.	Signal Lamps.	Private Lamps.	Total Lamps.	Lamp-lighters
Bearsden,	-	-	-	235	9	—	244	7
Duntocher,	-	-	-	148	1	—	149	1
Kilpatrick and Bowling,				254	9	—	263	2
Waterside,	-	-	-	22	3	—	25	—
Adamslie,	-	-	-	6	—	—	6	—
				—	—	—	—	—
				665	22	—	687	10

				ELECTRICITY.		
District.				Street Lamps.	Signal Lamps.	Total Lamps.
Bearsden,	-	-	-	6	—	6
Cumbernauld,	-	-	-	38	3	41
Condorrat,	-	-	-	37	—	37
Croy,	-	-	-	31	—	31
Dullatur,	-	-	-	16	—	16
Waterside,	-	-	-	6	—	6
				—	—	—
				134	3	137

BURIALS.

No burials were carried out under Section 69 (1) of the Public Health (Scotland), Act, 1897.

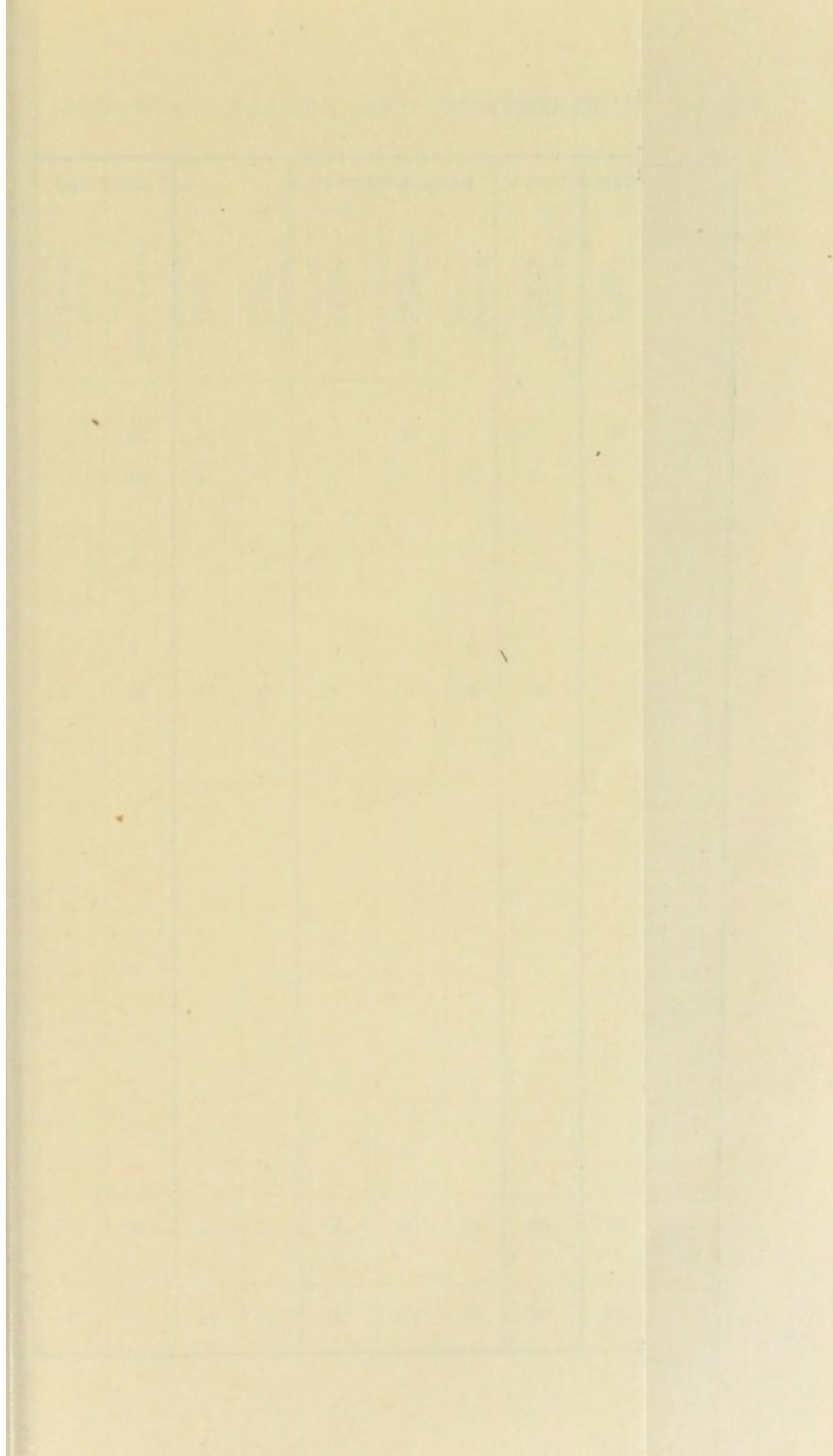


TABLE XXV.—SHOWING NATURE AND NUMBER OF NUISANCES.

NUISANCES.	CUMBERNAULD.					KIRKINTILLOCH.			EAST KILPATRICK.			WEST KILPATRICK.						(A)	(B)
	Cumbernauld Village.	Condorrat Village.	Croy.	Other Parts of Parish.	TOTAL.	Waterside Village.	Other Parts of Parish.	TOTAL.	Bearsden.	Other Parts of Parish.	TOTAL.	Hardgate and Fairley.	Duntocher.	Old Kilpatrick.	Bowling.	Other Parts of Parish.	TOTAL.	TOTAL ABATED.	TOTAL NOT ABATED.
Ashpits Abolished,	10	...	10	...	...	14	1	...	15	25	...
Ashpits constructed or Ashbins provided,
Ashpits repaired,	1	...	1	...	2	5	12	17	5	...	5	...	1	1	2	...	4	28	...
Accumulation of Refuse and other Nuisances removed,
Burns cleaned,
Byres or other Premises discontinued or improved,	1	...	1	...	...	...	...	...	...	1	...
Common Stairs whitewashed or cleaned,	1	...	1	...	...	...	4	...	4	...	...	...	...	...	...	5	...
Courts repaired, paved or cleaned,	1	...
Damp Houses shut up or repaired,	1	1	...	...	...	...	...	...	...	...	...	...	...
Defective Vents improved,	4	...
Defective Windows,	1	1	...	...	2	2	...	2	...	...	...	...	...	...	...	...	...	...	...
Dirty Houses,	14	55	...
Dirty Ashpits and Privies cleaned,	1	14	7	1	23	16	...	16	2	...	2	5	8	1	...	...	...	...	...
Drains cleaned,
Drains (new) constructed,
Drains repaired, trapped or ventilated,
Dungsteads constructed or repaired,
Eaves Gutters erected or repaired,
Houses unfit for habitation,
Hens, Pigeons, &c., improperly kept,
Overcrowding,
Pigsties discontinued, improved, or cleaned,
Privies abolished,
Privies and Ashpits repaired,
Privies constructed,	1	...
Sinks fitted up,	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sinks untrapped or defective,
Soil Pipes and Waste Pipes Ventilated,
Stables discontinued or improved,
Water-closets constructed or repaired,
Water Supply improved,
Water Supply provided,	1	...	1	5	...
Walls, Floors, Ceilings, and Roofs of Houses repaired,	1	...	...	...	1	3	...	3	...	...	...	...	...	...	...	...	...	...	...
Wash-houses provided or improved,
Ventilation of Houses improved,
Ventilation of Stairs,
Nuisances abated,	4	16	9	1	30	26	13	39	22	...	22	5	9	16	4	...	34	125	...
Nuisances not abated,
TOTAL,	4	16	9	1	30	26	13	39	22	...	22	5	9	16	4	...	34	...	125

NUISANCES.

Table XXV contains a summary of nuisances dealt with during the year.

INCREASE OF RENT AND MORTGAGE INTEREST
(RESTRICTION) ACTS.

No applications were received during the year.

TENTS, VANS, SHEDS AND HOUSEBOATS.

Considerable attention was given during the year to the presence of campers on ground at Gallowsink Farm, Kirkintilloch. This portion of ground is locally known as "The Diamond" and at present is entirely unsuitable for camping.

PRIVATE STREETS AND FOOTPATHS.

The roads and footpaths added to the list of Roads, Highways, and Bridges under Section 41 of the Roads and Bridges (Scotland) Act, 1878, are as follows:—

Parish of New Kilpatrick—

Boclair Crescent and footpaths—from south side of Route B.8049 to south side of Route B.8049. 2 furlongs, 68 yards.

Hillfoot Avenue and footpaths—from south side of Manse Road to north side of Hillside Avenue. 170 yards.

Hillfoot Drive and footpaths—from north-west side of Route A.81 to north side of Hillside Avenue. 1 furlong 71 yards.

Hillneuk Avenue and footpaths—from east side of Hillfoot Avenue to west side of Hillneuk Drive. 199 yards.

Hillneuk Drive and footpaths—from south side of Manse Road to north-east side of Hillfoot Drive. 1 furlong 42 yards.

Hillside Avenue and footpaths—from north-west side of Hillfoot Drive to west side of Hillside Drive, including cul-de-sac from south-east side of Hillfoot Drive to fence line. 206 yards.

Hillside Drive and footpaths—from south side of Hillneuk Avenue to north side of Hillfoot Drive. 176 yards.

Whitehurst—from east boundary of No. 27 to east boundary of No. 58. 183 yards.

Parish of West Kilpatrick—

Route A.814—Glasgow-Dumbarton-Arrochar Road—footpaths—north side of Dumbarton Road, Old Kilpatrick, from Stuart Street to east boundary of No. 758. 121 yards.

South side of Dumbarton Road, Old Kilpatrick—from east boundary of Ettrick Bar eastwards for a distance of 32 yards.

Davies Square, Duntocher—footpaths—north side of Route A.810 from Morrison Street to west boundary of No. 2. 42 yards.

Dumbarton Road, Duntocher—footpaths—north side from Chapel Road westward for a distance of 43 yards. 43 yards.

New Street, Duntocher—footpaths—north side from Old Street to a point 31 yards east. 31 yards.

Old Street, Duntocher—footpaths—east side from New Street to south boundary of No. 5. 53 yards.

St. Helena Crescent and footpaths, Duntocher—south side of Route A.810. 137 yards.

Parish of Kirkintilloch—

Macdonald Crescent and footpaths, Twechar—south side of Twechar Road including cul-de-sac and crescent. 1 furlong 165 yards.

Parish of Cumbernauld—

Cuilmuir Terrace and footpaths, Croy—from south-west side of Route B.802 including cul-de-sac and crescent. 184 yards.

Back o' Bog Road, Cumbernauld South—footpaths—south side from junction with Glencryon Road eastward for a distance of 126 yards.

Smithyends, Cumbernauld—footpaths—east side from Dullatur Road northward for a distance of 39 yards. West

side from Dullatur Road northward for a distance of 20 yards.

Wynd, Cumbernauld—footpaths :—

East side (a) from Dullatur Road to south boundary of No. 22. 89 yards; (b) from south boundary of No. 26 to north boundary of No. 34. 59 yards.

West side from Dullatur Road to north boundary of No. 31 (footpath at No. 9 excepted). 100 yards.

During the year repairs and improvements were carried out to footpaths in Maxwell Avenue, Westerton. The Westerton and District Horticultural Society received the permission of the Highways Landward Committee to plant suitable trees in the grass verge of the above-mentioned footpaths, subject to the sites being approved by the Road Surveyor.

RATS AND MICE (DESTRUCTION) ACT, 1919.

The annual Rat Campaign took place in the spring. The joint report will be found on page 17.

FOOD SUPPLY.

Inspections were made to dairy premises at different periods throughout the year. Defects were pointed out to some farmers and requests made that remedial measures be taken.

Under the Milk and Dairies (Scotland) Act, 1914, regarding improvements to Dairy Premises, two premises still require to be reconditioned. The number of registered dairies, &c., is as follows :—

Parish.	Dairies Registered.	Cows.	Milk Shops.	Vans.	Dairies Exempt from Registration.	Cows.
East Kilpatrick,	20	—	9	16	1	2
West Kilpatrick,	12	—	6	17	1	2
Cumbernauld,	37	—	2	8	9	16
Kirkintilloch,	25	—	8	23	7	12
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Total, -	94	—	25	64	18	32
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>

Changes in registration during the year are as follows:—

	Dairies.	Shops.	Vans.	Total.
New premises, - -	—	—	3	3
Change of occupier, -	1	—	—	1
	—	—	—	—
Total, -	1	—	3	4
	—	—	—	—
Cancelled, - -	3	4	—	7
Additional Premises registered, -	—	—	3	3
	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>

MILK (SPECIAL DESIGNATIONS) ORDERS (SCOTLAND), 1936-38.

Milk supplied to schools was sampled regularly during the year at monthly intervals. Milk produced by all licence holders was also sampled every two months.

When samples taken proved unsatisfactory, investigation was made in every case so that remedy could be made. The following summary gives an indication of the licences granted to producers during the year, also the number of samples taken and the results of same:—

Licences. (Producers).	No. of Samples.	Bacteria.	Unsatisfactory Results.		
			Milk Fats.	Milk Solids.	Coli.
Certified, - -	32	1	—	—	4
T.T., - -	63	3	2	—	—
T.T. (Past.), - -	12	—	—	—	—
Pasteurised, - -	9	—	—	—	1
Standard, - -	222	20	9	—	5
	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
Total, - -	338	24	11	—	10
	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>

When investigation revealed that the defect was due to carelessness in the method of milk production a warning was given to the producer by the County Council. There were occasions when warning was given.

The number of dealers granted licences is 13. A summary of licences granted is recorded in the following table:—

	Certified Milk.	T.T. Milk.	T.T. Past. Milk.	Standard Milk.	Pasteurised Milk.	Total.
Producers, -	4	9	1	35	1	50
Dealers, -	20	18	—	8	17	63
	—	—	—	—	—	—
Totals, -	24	27	1	43	18	113
	—	—	—	—	—	—

MEAT.

Owing to the war emergency and the centralisation of slaughtering and distribution of meat supplies now under Government control, regular inspections to the two licensed private slaughter-houses were not required. One emergency inspection, however, was carried out in respect of a bullock which, on examination, was found to be in good condition. At Woodilee Mental Institution 156 sheep were slaughtered during the year. All were found to be in order.

Applications for renewal of licences to slaughter or stun animals in accordance with the provisions of the Slaughter of Animals (Scotland) Act, 1928, and the Bye-laws of the Local Authority relating to swine were received from the following and licences granted: James Paul, Main Street, Cumbernauld; James M'Laren, Main Street, Cumbernauld; William B. M'Laren, Main Street, Cumbernauld. An application under the above mentioned Act only, was received from Thomas Cameron, Wester Bedcow, Kirkintilloch, and a licence granted.

MISCELLANEOUS.

FOOD AND DRUGS ACTS.

IMPORTED FOOD REGULATIONS.

PUBLIC HEALTH (PRESERVATIVES IN FOOD) REGULATIONS.

During the year a total of 343 samples were taken, 7 of which were "official" and 336 "test."

Samples taken are recorded as follows—

FOOD AND DRUGS (ADULTERATION) ACT, 1928.

Parish	Record No.	Article.	Percent- age of Milk Fat.	Percent- age of Milk Solids other than Milk Fat.	Result.
East Kilpatrick, ..	59E	Certified Milk	3.89	9.15	Genuine
" "	63E	"	3.74	8.82	"
" "	125E	"	4.45	9.03	"
" "	129E	"	3.92	8.92	"
" "	134E	"	4.24	8.88	"
" "	186E	"	4.23	8.91	"
" "	190E	"	3.93	8.79	"
" "	228E	"	4.71	8.69	"
" "	237E	"	4.22	9.26	"
" "	323E	"	4.29	9.17	"
" "	326E	"	4.27	9.15	"
" "	10E	T. T. Milk	3.54	8.91	"
" "	19E	"	3.69	8.89	"
" "	76E	"	3.81	8.73	"
" "	82E	"	3.39	8.63	"
" "	140E	"	3.59	8.83	"
" "	192E	"	3.62	8.64	"
" "	255E	"	3.15	8.97	"
" "	274E	"	3.74	9.98	"
" "	312E	"	3.92	8.86	"
" "	56E	Standard Milk	4.06	8.76	"
" "	57E	"	3.71	8.59	"
" "	58E	"	3.30	8.74	"
" "	60E	"	3.77	8.83	"
" "	61E	"	3.10	8.95	"
" "	62E	"	3.26	8.50	"
" "	120E	"	7.87	8.65	"
" "	122E	"	4.07	8.81	"
" "	123E	"	3.79	8.78	"
" "	124E	"	3.01	8.62	"
" "	126E	"	3.52	8.68	"
" "	127E	"	5.11	8.96	"
" "	128E	"	2.99	8.71	"
" "	135E	"	3.82	8.66	"
" "	181E	"	4.56	8.60	"
" "	183E	"	3.40	8.90	"
" "	184E	"	3.75	8.83	"
" "	185E	"	3.63	8.83	"
" "	187E	"	2.97	9.03	Not Genuine
" "	188E	"	4.02	9.26	Genuine
" "	189E	"	3.51	8.57	"
" "	199E	"	3.81	8.59	"
" "	215E	"	3.91	8.65	"
" "	218E	"	4.80	8.56	"
" "	219E	"	4.06	8.64	"
" "	229E	"	3.84	8.62	"
" "	236E	"	4.09	8.69	"
" "	313E	"	3.63	8.75	"
" "	316E	"	3.93	8.63	"
" "	318E	"	3.82	8.66	"
" "	320E	"	3.81	8.53	"
" "	321E	"	3.71	8.75	"
" "	324E	"	3.66	8.74	"
" "	325E	"	4.43	8.79	"
West Kilpatrick, ..	117E	Certified Milk	3.59	8.84	"
" "	178E	"	3.34	8.64	"
" "	214E	"	4.12	8.54	"
" "	319E	"	4.08	8.84	"
" "	51E	T. T. Milk	3.36	8.77	"
" "	75E	"	3.50	8.75	"
" "	9E	T. T. (Past'd) Milk	3.83	8.77	"
" "	13E	"	3.73	8.95	"

FOOD AND DRUGS (ADULTERATION) ACT, 1928.

Parish.	Record No.	Article.	Percent- age of Milk Fat.	Percent- age of Milk Solids other than Milk Fat.	Result.
West Kilpatrick— <i>contd.</i>	18E	T.T. (Past'd) Milk	3.58	8.83	Genuine
"	81E	"	3.44	8.75	"
"	138E	"	3.51	8.75	"
"	139E	"	3.35	8.79	"
"	191E	"	3.50	8.80	"
"	256E	"	3.85	8.83	"
"	273E	"	3.97	8.77	"
"	311E	"	3.83	8.87	"
"	328E	"	3.78	8.54	"
"	50E	Standard Milk	3.64	8.96	"
"	52E	"	3.63	8.69	"
"	53E	"	3.73	8.89	"
"	54E	"	7.12	8.50	"
"	55E	"	3.32	8.82	"
"	79E	"	8.57	8.93	"
"	116E	"	4.46	8.84	"
"	118E	"	3.52	8.34	"
"	119E	"	3.01	8.40	"
"	121E	"	3.21	8.64	"
"	137E	"	3.68	8.76	"
"	177E	"	4.05	8.89	"
"	179E	"	3.25	8.97	"
"	180E	"	3.04	8.76	"
"	182E	"	4.22	8.90	"
"	198E	"	3.72	9.12	"
"	202E	"	3.88	8.68	"
"	221E	"	4.37	8.67	"
"	223E	"	4.35	8.53	"
"	230E	"	3.72	8.52	"
"	239E	"	4.46	8.64	"
"	243E	"	3.68	8.62	"
"	266E	"	4.14	8.52	"
"	267E	"	4.05	8.69	"
"	263E	"	4.53	8.61	"
"	269E	"	3.03	8.52	"
"	314E	"	4.19	8.58	"
"	315E	"	3.58	8.60	"
"	317E	"	3.63	8.81	"
"	322E	"	4.05	8.67	"
Cumbernauld,	11E	T.T. Milk	2.85	8.51	Not Genuine
"	14E	"	4.37	8.71	Genuine
"	15E	"	3.57	8.81	"
"	27E	"	4.08	8.86	"
"	45E	"	3.69	8.78	"
"	47E	"	3.70	8.86	"
"	48E	"	3.62	9.12	"
"	64E	"	4.25	8.75	"
"	78E	"	3.09	8.79	"
"	83E	"	3.01	8.65	"
"	92E	"	3.70	8.76	"
"	98E	"	4.10	8.72	"
"	112E	"	3.24	8.62	"
"	113E	"	3.63	8.85	"
"	136E	"	3.17	8.88	"
"	141E	"	3.60	8.94	"
"	150E	"	3.21	8.83	"
"	156E	"	3.76	9.34	"
"	162E	"	2.93	8.93	Not Genuine
"	163E	"	3.58	9.00	Genuine
"	164E	"	3.14	8.88	"
"	172E	"	3.36	8.92	"
"	176E	"	3.02	8.96	"

FOOD AND DRUGS (ADULTERATION) ACT, 1928.

Parish.	Record No.	Article.	Percent- age of Milk Fat.	Percent- age of Milk Solids other than Milk Fat.	Result.
Cumbernauld— <i>contd.</i>	201E	T.T. Milk	4.02	8.92	Genuine
"	209E	"	3.30	8.86	"
"	220E	"	4.00	8.68	"
"	224E	"	4.03	8.69	"
"	233E	"	3.94	8.81	"
"	241E	"	3.81	9.09	"
"	250E	"	4.88	8.90	"
"	252E	"	4.08	9.01	"
"	272E	"	3.73	9.12	"
"	276E	"	4.60	8.90	"
"	286E	"	4.23	8.77	"
"	287E	"	4.68	8.64	"
"	288E	"	4.15	8.73	"
"	291E	"	3.64	8.86	"
"	309E	"	3.67	8.71	"
"	330E	"	3.83	8.80	"
"	332E	"	4.33	9.25	"
"	338E	"	4.21	8.99	"
"	340E	"	4.27	9.11	"
"	342E	"	4.28	8.84	"
"	3E	Standard Milk	4.47	8.81	"
"	4E	"	3.35	8.85	"
"	5E	"	4.12	8.77	"
"	6E	"	3.63	8.87	"
"	7E	"	3.31	8.61	"
"	21E	"	3.81	8.86	"
"	28E	"	4.62	8.50	"
"	29E	"	3.97	9.15	"
"	31E	"	2.58	8.54	Not Genuine
"	32E	"	3.14	8.66	Genuine
"	33E	"	5.37	8.66	"
"	34E	"	3.85	8.85	"
"	35E	"	5.53	8.51	"
"	36E	"	4.92	8.68	"
"	37E	"	3.80	8.81	"
"	38E	"	3.75	8.63	"
"	39E	"	3.74	6.22	"
"	40E	"	3.52	8.80	"
"	41E	"	3.86	8.55	"
"	42E	"	3.20	8.50	"
"	43E	"	3.28	8.66	"
"	44E	"	3.45	8.51	"
"	46E	"	2.48	8.50	Not Genuine
"	49E	"	3.50	8.40	Genuine
"	65E	"	3.45	8.61	"
"	66E	"	4.01	8.50	"
"	67E	"	3.53	8.85	"
"	80E	"	3.67	8.57	"
"	93E	"	5.15	8.87	"
"	94E	"	3.48	8.66	"
"	95E	"	3.77	8.60	"
"	96E	"	2.88	8.51	Not Genuine
"	97E	"	2.43	8.54	"
"	99E	"	3.43	8.83	Genuine
"	100E	"	4.58	9.14	"
"	101E	"	4.21	8.57	"
"	102E	"	3.88	8.84	"
"	103E	"	4.34	8.57	"
"	104E	"	3.36	8.48	"
"	105E	"	3.36	8.44	"
"	106E	"	3.68	8.90	"
"	107E	"	3.06	8.78	"

FOOD AND DRUGS (ADULTERATION) ACT, 1928.

Parish.	Record No.	Article.	Percent- age of Milk Fat.	Percent- age of Milk Solids other than Milk Fat.	Result
Cumbernauld,— <i>contd.</i>	108E	Standard Milk	3.50	8.58	Genuine
"	109E	"	3.59	8.62	"
"	110E	"	3.38	8.46	"
"	111E	"	3.48	8.56	"
"	114E	"	3.34	8.62	"
"	115E	"	3.03	8.21	"
"	130E	"	3.49	8.45	"
"	131E	"	3.28	8.64	"
"	132E	"	3.82	8.62	"
"	151E	"	4.24	8.82	"
"	152E	"	3.12	8.50	"
"	154E	"	3.04	8.80	"
"	155E	"	3.07	8.73	"
"	156E	"	3.23	9.05	"
"	158E	"	2.84	8.82	Not Genuine
"	159E	"	3.64	9.16	Genuine
"	160E	"	3.17	8.51	"
"	161E	"	3.40	8.94	"
"	165E	"	3.41	8.85	"
"	166E	"	2.82	8.68	Not Genuine
"	167E	"	4.15	8.91	Genuine
"	168E	"	4.64	8.84	"
"	169E	"	3.35	8.57	"
"	170E	"	4.65	8.55	"
"	171E	"	4.56	9.12	"
"	173E	"	3.45	8.67	"
"	174E	"	3.55	8.79	"
"	175E	"	3.22	8.42	"
"	195E	"	3.66	8.54	"
"	196E	"	4.43	8.71	"
"	197E	"	3.86	8.70	"
"	200E	"	4.40	8.82	"
"	203E	"	4.07	8.65	"
"	205E	"	3.57	8.51	"
"	206E	"	3.43	8.67	"
"	207E	"	3.73	8.67	"
"	211E	"	3.46	8.72	"
"	212E	"	3.83	8.71	"
"	216E	"	4.30	8.28	"
"	222E	"	3.36	8.78	"
"	226E	"	3.78	8.72	"
"	227E	"	4.10	8.90	"
"	231E	"	4.07	8.73	"
"	234E	"	3.38	8.20	"
"	235E	"	3.96	8.80	"
"	238E	"	4.38	8.82	"
"	240E	"	3.47	8.84	"
"	244E	"	3.58	8.56	"
"	246E	"	3.68	8.86	"
"	247E	"	4.14	8.76	"
"	248E	"	3.45	8.81	"
"	249E	"	2.91	8.81	Not Genuine
"	258E	"	4.09	8.61	Genuine
"	259E	"	3.53	8.75	"
"	260E	"	3.95	8.97	"
"	261E	"	4.12	8.90	"
"	262E	"	4.06	8.70	"
"	264E	"	3.80	8.62	"
"	275E	"	4.08	8.64	"
"	277E	"	3.74	8.20	"
"	278E	"	4.38	8.80	"
"	279E	"	4.10	8.90	"

FOOD AND DRUGS (ADULTERATION) ACT, 1928.

Parish.	Record No.	Article.	Percent- age of Milk Fat.	Percent- age of Milk Solids other than Milk Fat.	Result.
Cumbernauld— <i>contd.</i>	280E	Standard Milk	5.08	8.90	Genuine
	281E	"	3.72	8.63	"
	282E	"	4.10	8.70	"
	283E	"	4.49	8.65	"
	284E	"	4.28	9.12	"
	285E	"	4.43	9.17	"
	289E	"	4.77	8.75	"
	290E	"	4.68	8.78	"
	292E	"	4.22	8.70	"
	293E	"	4.21	8.73	"
	294E	"	4.03	8.67	"
	295E	"	4.31	8.55	"
	327E	"	4.17	8.85	"
	331E	"	3.86	8.54	"
	336E	"	4.34	8.52	"
	337E	"	4.34	8.70	"
	343E	"	3.61	8.61	"
	344E	"	4.43	8.77	"
	*68E	Sweet Milk	3.04	8.76	"
	*69E	"	3.32	8.72	"
	251E	Cheese	41.57	—	"
Kirkintilloch,	144E	Certified Milk	3.11	9.01	"
	194E	"	4.45	8.69	"
	217E	"	3.52	8.70	"
	306E	"	4.10	8.93	"
	1E	T.T. Milk	4.32	8.70	"
	12E	"	3.45	8.76	"
	16E	"	3.11	8.84	"
	23E	"	3.73	8.85	"
	25E	"	5.92	8.61	"
	77E	"	3.15	8.75	"
	84E	"	3.41	8.71	"
	88E	"	3.51	8.71	"
	91E	"	4.88	9.04	"
	133E	"	4.32	9.04	"
	142E	"	3.31	8.81	"
	146E	"	3.61	8.71	"
	149E	"	4.17	8.73	"
	208E	"	4.72	8.52	"
	242E	"	3.72	8.52	"
	253E	"	3.69	8.91	"
	271E	"	3.72	9.01	"
	296E	"	4.40	8.78	"
	298E	"	4.02	8.90	"
	303E	"	4.87	8.73	"
	310E	"	3.75	8.87	"
	333E	"	4.09	8.51	"
	2E	Standard Milk	3.69	9.07	"
	20E	"	3.30	9.15	"
	22E	"	3.98	8.80	"
	24E	"	4.03	9.07	"
	26E	"	3.16	8.88	"
	30E	"	3.59	8.67	"
	36E	"	3.23	8.67	"
	37E	"	3.88	8.80	"
	39E	"	3.67	8.95	"
	90E	"	3.59	8.71	"
	143E	"	3.24	8.70	"
	145E	"	4.22	9.04	"
	147E	"	3.72	8.94	"
	148E	"	2.85	8.85	Not Genuine
	153E	"	3.70	8.98	Genuine

* Official Samples.

FOOD AND DRUGS (ADULTERATION) ACT, 1928.

Parish.	Record No.	Article.	Percent- age of Milk Fat.	Percent- age of Milk Solids other than Milk Fat.	Result
Kirkintilloch— <i>contd.</i>	193E	Standard Milk	4.21	8.53	Genuine
"	204E	"	4.17	8.69	"
"	210E	"	4.31	8.79	"
"	213E	"	3.63	8.73	"
"	225E	"	3.80	8.52	"
"	232E	"	4.56	8.82	"
"	257E	"	3.74	8.90	"
"	297E	"	4.46	8.76	"
"	299E	"	4.34	8.76	"
"	300E	"	4.62	9.02	"
"	301E	"	4.22	8.72	"
"	302E	"	4.04	8.86	"
"	304E	"	3.87	8.77	"
"	305E	"	3.79	8.75	"
"	334E	"	4.43	8.53	"
"	335E	"	3.81	8.85	"
"	339E	"	4.17	8.73	"
"	341E	"	4.17	8.73	"
"	8E	Pasteurised Milk	3.55	8.57	"
"	17E	"	3.52	8.80	"
"	85E	"	3.98	8.92	"
"	254E	"	3.64	8.83	"
"	263E	"	3.88	9.00	"
"	265E	"	3.88	8.70	"
"	270E	"	3.89	8.87	"
"	307E	"	4.08	8.64	"
"	329E	"	3.68	8.76	"
"	*70E	Sweet Milk	4.21	8.77	"
"	*72E	"	3.54	8.10	"
"	*74E	"	3.85	8.65	"
"	*71E	Link Sausages	—	—	"
"	*73E	"	—	—	"

* Official Samples.

SHOPS ACTS, 1912-1938.

In accordance with Circular No. 4643 an Order was made by the County Council amending the Shops (Hours of Closing) Act, 1928, whereby shops shall close not later than 7.30 p.m. on Saturdays and 6 p.m. on other days of the week, except Friday, when the closing hour shall be 7 p.m. Excepted from this Order were shops trading in the sale of newspapers, tobaccos, confections, &c. Existing hours under the Act remain operative.

Table XXVI contains a record of the shops within each Parish.

INSPECTIONS.

Buildings (new),	-	-	-	-	-	717
Buildings (altered),	-	-	-	-	-	44

SHOPS ACTS, 1912-38.

TABLE XXVI.—SUMMARY OF BUSINESSES WITHIN PARISHES IN THE EASTERN AREA.

Parish.	Bakers.	Butchers.	Chemists.	Cycle and Motor Agents.	Confections, Refreshments, Tobaccos.	Dairies.	Drapers and Clothiers.	Fishmongers.	Fish and Chip Shops.	Grocers.	General Stores.	Hairdressers.	Drysalter.	Licensed.	Newsagents.	Shoemakers.	Plumbers.	Fruiters.	Ironmongers.	Painters.	Jeweller.	Total.
Cumbernauld, -	5	3	..	1	12	1	3	..	4	8	..	2	..	4	3	..	1	1	..	..	..	47
Kirkintilloch, -	..	1	..	..	8	..	..	..	2	4	..	..	..	1	..	1	..	..	..	..	..	17
East Kilpatrick,	4	7	3	..	8	2	3	3	..	11	1	2	..	..	7	2	..	3	2	1	..	59
West Kilpatrick,	4	5	2	..	19	1	4	1	4	17	2	2	1	11	5	3	1	3	1	1	1	88
Totals,	13	16	5	1	47	4	10	4	10	40	3	6	1	16	15	6	2	6	3	2	1	1211

Buildings (drain tests),	-	-	-	-	192
Buildings (dangerous),	-	-	-	-	—
Burials,	-	-	-	-	—
Complaints,	-	-	-	-	18
Dairies,	-	-	-	-	301
Factory,	-	-	-	-	23
Food and Drugs,	-	-	-	-	301
Housing (insanitary areas),	-	-	-	-	169
Housing (rural),	-	-	-	-	34
Housing (overcrowding),	-	-	-	-	1337
Infectious disease,	-	-	-	-	290
Nuisances,	-	-	-	-	970
Shops,	-	-	-	-	115
Slaughter-houses,	-	-	-	-	11
Special drainage districts,	-	-	-	-	89
Special lighting districts,	-	-	-	-	6969
Special scavenging districts,	-	-	-	-	8500
Other matters,	-	-	-	-	252
					<hr/>
					20,332

RIVERS POLLUTION.

During the year 17 samples were collected in relation to Rivers Pollution and the work done in this connection will be found in another part of the Report.

GOVERNMENT EVACUATION SCHEME.

Work in connection with the Government Evacuation Scheme was mainly concerned with regular visitation of billets, constant review of existing accommodation and the preparation of a new evacuation plan which was formulated in the light of previous experience gained from the evacuation which took place at the outbreak of hostilities.

Fortunately it was unnecessary to put this new plan into operation during 1940.

The evacuees remaining in the reception areas at the end of the year were 31 unaccompanied children, 22 accompanied

children and 10 mothers accompanying children a total of 63.

In this connection the services of the W.V.S. proved most helpful.

I am, Ladies and Gentlemen,

Your obedient servant,

J. D. M'KENDRICH,
County Sanitary Inspector.

REPORT BY COUNTY ENGINEER.

SPECIAL DRAINAGE DISTRICTS.

ARROCHAR SPECIAL DRAINAGE DISTRICT.—During the year the drainage scheme was completed. It is operating satisfactorily.

Most of the proprietors within the Special District have connected their properties to the sewers.

For the maintenance of the sewers and the satisfactory working of the scheme, the Council appointed Mr. Donald McVicar, Cairn View, Arrochar, as Drainage Superintendent.

GARELOCHHEAD SPECIAL DRAINAGE DISTRICT.—Difficulty was experienced with labour and material in the construction of the sewers and detritus tanks. The Council exercised the power under the Conditions of Contract and took the work out of the contractor's hands, when the latter went into liquidation. With the approval of the assurance company, who held the security bond for the former contractor, the offer of Mr. John F. Gillespie, Garelochhead, was accepted to carry out the remainder of the contract.

Owing to the war emergency, the scheme as recommended by the Scottish Home Department has been curtailed, and while the new contractor is making progress, difficulty is still being experienced with regard to labour and material.

For the satisfactory maintenance of the sewers, it was decided to appoint Mr. Baird M'Laren, Glencairn Terrace, Garelochhead, as Drainage Superintendent.

RHU SPECIAL DRAINAGE DISTRICT.—The sewers within the District were satisfactorily maintained.

The District was extended to include a portion from the eastern boundary of the Drainage District to the western

boundary of the Burgh of Helensburgh. This extension involved no capital expenditure.

The repair of the sewer damaged in the Station Road was carried out during the year.

Consideration was given to the sewer outwith the District, west of the Burgh of Helensburgh, and a satisfactory arrangement, which should remove all cause for complaint, has been made.

For the satisfactory maintenance of the sewers, it was decided to appoint Mr. Baird M'Laren, Glencairn Terrace, Garelochhead, as Drainage Superintendent.

CRAIGENDORAN SPECIAL DRAINAGE DISTRICT.—The scheme of sewers and outfall sewers to deal with the drainage of that portion of the District which includes Cardross village was completed satisfactorily. The properties for which the sewers have been provided are now having the drainage systems connected by the various proprietors.

The sewers necessary to deal with the development at Muir-end Estate, Cardross, have now been completed.

A small extension of the sewer to deal with property at Burns Land, Cardross, at an estimated cost of £60, was completed. The contractor was Mr. F. J. C. Lilley, Glasgow.

The drainage scheme of sewers, outfall sewer, and detritus tank to deal with the extension of the District at Craighend was satisfactorily completed.

A number of claims was received for surface damages, but in all cases the award of the valuator employed by the Council was accepted by the various proprietors and tenants.

In order that proper supervision and maintenance of the various works in connection with the drainage scheme could be carried out Mr. Archibald Crane, Barrs Crescent, Cardross, was appointed Drainage Superintendent.

GARTOCHARN SPECIAL DRAINAGE DISTRICT.—Difficulty was experienced by the contractor in obtaining suitable labour and materials to proceed with the work of the drainage scheme and for a period the work was suspended on this account.

The Scottish Home Department intimated that the scheme be curtailed and that the sewers only be constructed, and that no sewage disposal works be provided meantime. Without the sewage disposal works it is not possible to utilise the sewers for the drainage of the properties within the District. Negotiations are still proceeding in an endeavour to obtain the sanction of the Scottish Home Department to complete the scheme as originally proposed.

VALE OF LEVEN AND RENTON SPECIAL DRAINAGE DISTRICT.—During the year the sewers and pumping stations were satisfactorily maintained.

Samples of the effluent discharged into the River Leven and samples of the river water were taken during the year and analysed. The results obtained were satisfactory and indicated that the plant was working efficiently.

The Scottish Home Department intimated that owing to the war emergency no work should be started on the proposed surface water sewers for which a grant has been promised from the Commissioner for Special Areas.

The sump manholes in the original drainage system were filled with concrete and a proper channel and benching provided. The work was carried out by the following contractors :—

Messrs. John A. Paton & Sons,	Alexandria and Balloch.
Alexandria.	
Mr. John Thomson, Alexandria.	Bonhill and Jamestown.
Messrs. Wm. Graham & Son,	Renton.
Renton.	

The sewers to deal with the housing scheme at Cordale, Renton, were completed.

Notices were served under Section 103 of the Public Health (Scotland) Act, 1897, in connection with the construction of a sewer to relieve the sewers in the Burnbrae Area. It was necessary to negotiate with the London, Midland & Scottish Railway Company about the section where the sewer crosses the Dumbarton and Balloch Joint Line Railway at

Arthur Street, Alexandria. The contractor for the work was Mr. F. J. C. Lilley, Glasgow.

BOWLING SPECIAL DRAINAGE DISTRICT.—The sewers, detritus tank and outfall sewer continue to function satisfactorily in dealing with the drainage of the District.

The drainage scheme, to deal with the properties in the Milton Area, for which a grant is being received from the Commissioner for Special Areas, was curtailed by the Scottish Home Department and the outfall sewers, detritus chambers and intercepting sewers only, up to the public highway, were allowed to be constructed. The remaining portion will require to be constructed, after the present emergency, before any of the drainage from the various properties can be intercepted.

Claims for surface damages were dealt with by the valuator appointed by the Council.

OLD KILPATRICK SPECIAL DRAINAGE DISTRICT.—The sewers within the above District were satisfactorily maintained throughout the year.

Negotiations took place between the Scottish Home Department and the Clydebank Town Council regarding the proposed drainage scheme to deal with the drainage facilities necessary at Freeland's Place. It was ultimately intimated by the Scottish Home Department that, owing to the present emergency, permission to proceed with this scheme could not be given meantime.

DUNTOCHER SPECIAL DRAINAGE DISTRICT.—During the year the sewers were satisfactorily maintained in this District.

The work on the new outfall sewer was delayed due to inclement weather, difficulty in obtaining suitable labour, and shortage of materials. Intimation was received from the Scottish Home Department that, owing to the present conditions, the scheme should be curtailed. The Council, while willing to curtail the scheme, desired that the point suggested by the department should be extended for a distance of 150 yards and negotiations are at present proceeding in an endeavour to obtain agreement in this matter.

The sewer in Beeches Avenue was completed during the year.

BEARSDEN SPECIAL DRAINAGE DISTRICT.—The pumping stations and the sewers were maintained in a satisfactory manner throughout the year.

Authority was received from the Scottish Home Department for the construction of a sewer to deal with the flooding experienced at Canniesburn Toll. The work is being carried out by Mr. George K. Davie, Duntocher.

No further drainage facilities have been provided at Mosshead Estate, as the building development has now ceased.

As the proposed scheme of building development south of the Helensburgh Branch of the London and North Eastern Railway has now been abandoned, no sewer facilities have been provided in this area.

To deal with the flooding which is taking place on the London and North Eastern Railway at Hillfoot, and at Drumchapel, it was agreed to provide relief sewers at Hillfoot, Lochend and Drumchapel. The estimated cost of the work is £5480. Consent to proceed with the work is awaited from the Scottish Home Department.

CONDORRAT SPECIAL DRAINAGE DISTRICT.—The sewers, pumping station and sewage disposal works continue to provide satisfactory drainage facilities for this District.

CUMBERNAULD SPECIAL DRAINAGE DISTRICT.—During the year the sewers within the District were maintained satisfactorily.

Good results have been obtained from the reconstruction of the sewage works and no complaints have been received regarding the discharge of effluent from these works.

DULLATUR SPECIAL DRAINAGE DISTRICT.—The sewers and sewage works providing the drainage facilities for this District were maintained, and dealt with the drainage from the various properties.

WATERSIDE SPECIAL DRAINAGE DISTRICT.—The sewers and

septic tank dealt efficiently with the drainage from the District throughout the year.

Further consideration was given to the proposal to treat the effluent from these works before it is discharged into the Luggie Water.

A scheme to reconstruct the works and provide sprinkler filters and a humus tank was approved at an estimated cost of £1140, the work of construction to be delayed until after the present emergency.

CROY SPECIAL DRAINAGE DISTRICT.—Satisfactory maintenance was carried out on the sewers and sewage disposal works throughout the year.

DRAINAGE—GENERAL.

To be in a position to repair any sewer damaged by enemy action, suitable materials have been stored at convenient points.

Arrangements have been made with the various contractors to have men and plant available. It is hoped to arrange a mutual scheme between the various Local Authorities within the County.

SPECIAL WATER SUPPLY DISTRICTS.

ARROCHAR SPECIAL WATER SUPPLY DISTRICT.—The storage in the reservoir and the water mains provided an ample supply of water for the consumers within the District.

GARELOCH SPECIAL WATER SUPPLY DISTRICT.—The water supply in Rhu Reservoirs and Whistlefield Reservoir, together with the water mains, was satisfactorily maintained.

The pressure filter plants installed to treat sources of supply also continued to work satisfactorily. An intake was constructed on the Auchengeich Burn and proved very satisfactory in supplementing the supply at Rhu Reservoirs and Whistlefield Reservoir.

Difficulty is being experienced with labour and material in the construction of the reservoir from the Auchengeich

source. The development in the area makes it imperative that additional water storage capacity be provided.

CARDROSS, RENTON AND VALE OF LEVEN SPECIAL WATER SUPPLY DISTRICT:

Cardross Area.—The water mains and the supply of water available for the consumers was satisfactorily maintained, the quantity being supplemented by the supply from the Carman Reservoir.

Renton Area.—The water mains, pressure filters and sand filters continue to provide an adequate supply for the consumers and the storage provided in the reservoir was sufficient to meet all purposes.

An alteration was carried out to the pressure filters by installing a new venturi tube at an estimated cost of £90.

Vale of Leven Area.—A satisfactory water supply was maintained within the District and the storage provided from Loch Finlas Reservoir was ample to meet all purposes.

For various reasons the consumpt during the summer months was greatly increased and it was necessary to indicate to the consumers that an excessive quantity of water was being used. After this appeal to the consumers the position was much improved.

In order to be in a position to maintain the supply a cross connection was laid between the 9 inch diameter high pressure main and the 14 inch diameter main from Loch Finlas. The estimated cost of this work was £174.

The District was extended to include a portion of ground north of Drumkinnon Farm Steading.

To meet building development at Strathleven Estate, an application was received for a water supply. The Council have this matter under consideration.

Bowling Special Water Supply District.—The water supply was maintained in a satisfactory manner.

To supplement the storage capacity in the reservoir advantage was taken of obtaining water from the reservoirs

belonging to the Burgh of Dumbarton, as provided for under Section 14 of the Dumbarton Burgh (Water, &c.) Order, 1914.

The cleaning of the reservoir, the laying of the water main from the reservoir to the filter house and the installation of pressure filters was satisfactorily completed.

The water mains, laid in the Dumbuck area, were acquired by the Council for the sum of £809 15s. 5d. This will enable the water supply in the District to be supplemented from the east end of Dumbarton should the necessity arise and also supplement the Burgh of Dumbarton supply from that at Bowling in similar circumstances.

Work is proceeding in laying the 6 inch diameter main between Bowling and Old Kilpatrick Private Water Supply at an estimated cost of £1200. The Contractors are Messrs. Jamieson & M'Callion, Dumbarton.

Waterside Special Water Supply District.—The water supply was maintained in a satisfactory manner.

Strict attention had to be given to this supply which is obtained by bulk from the Burgh of Kirkintilloch. Any wastages discovered were quickly repaired by the proprietors.

WATER—GENERAL.

Certain alterations were necessary in the original proposal to extend the water main in the Parish of Cumbernauld from Mid Forest Farm to Arns which increased the estimated cost to £2100. The work is being carried out by Messrs. Stark & Dobbie, Glasgow. This supply is being provided in conjunction with the Lanarkshire County Council.

Complaints have been received regarding the supply of water at Croy and Twechar and negotiations are at present proceeding with the Lanarkshire County Council.

Under Dumbartonshire Regional Water Scheme, in connection with mutual assistance between the Local Authorities within this scheme, five depots have been set up at which various materials are available for repairs in the event of damage, by air raids, to any of the water undertakings. A

scheme has also been prepared for each Local Authority to obtain the assistance of the staff of any of the other authorities in the scheme for the urgent repair of war damage.

It is proposed to instal chlorination equipment to deal with the various water supplies within the County.

CINEMATOGRAPH ACT, 1909.

Licences, under the above Act, were submitted and approved of for the undernoted premises:—

1. Strand Cinema, Alexandria.
2. Vale of Leven Public Hall, Alexandria.
3. Renton Public Hall, Renton.
4. Woodilee Mental Hospital, Lenzie.
5. Werdna Picture House, Cumbernauld.
6. Rio Picture House, Bearsden.

All the premises were inspected during the year and found to be in good order. The conditions of the licences were being observed.

The police inspections were also helpful in maintaining the licence regulations.

TOWN PLANNING.

The good progress of the work of town and country planning within the County area has necessarily been retarded since the outbreak of war in September of last year, in the undernoted planning schemes.

1. Loch Lomond Planning Scheme.
2. Vale of Leven Planning Scheme.
3. Kilpatrick Planning Scheme.
4. Clydeside, Gareloch and Loch Long Planning Scheme.
5. Kirkintilloch and Cumbernauld Planning Scheme.
6. Milngavie Planning Scheme.
7. Milngavie (No. 2) Planning Scheme.

By the extension of the Burgh of Dumbarton which took effect as from the 16th May of this year, the area of the

Vale of Leven Planning Scheme was reduced by approximately 882 acres.

Several points raised by the Glasgow Civic Society, regarding the detriment caused to the amenity of the Bearsden area of the Kilpatrick Planning Scheme, by builders advertising signs and the tipping of materials at the Burnbrae Coup, alongside Milngavie Road, were investigated and found to be only of a temporary nature.

The gift of a small plot of land at the junction of Lochend Crescent and Rubislaw Road, free of adjoining road charges, by Messrs. John Lawrence (Glasgow) Ltd., the ground to be maintained as an open space, was accepted by the Council.

The New Kilpatrick District Council have agreed to take over the care of the open space, which will not be laid out meantime owing to present circumstances.

An application was received from The Scottish Midlands Electricity Supply Ltd., to erect a partial overhead electricity supply to Auchinstarry and Langhill Farms, Auchinstarry, in the Kirkintilloch and Cumbernauld Planning Scheme, was agreed to after inspection by the appointed members of the Town and Country Planning Sub-Committee.

The preparation of the register of owners for the Milngavie Planning Schemes has now been completed. With the concurrence of the Department of Health, it was decided that further action regarding the next step in the progress of these schemes, that of the consideration and possible incorporation of the views of large estate owners in relation to zoning, should be deferred meantime due to present hostilities.

Applications for each of the planning schemes were dealt with under the General (Interim Development) Order, 1933, throughout the year. These were mainly for the erection of garages, air raid shelters, agricultural subjects, and for alterations to existing premises, as general development has gradually ceased.

Extensions of the periods during which draft scheme maps were to be prepared have been granted for each of the planning schemes by the Department of Health for Scotland.

The Town and Country Planning Committee nominated their chairman, vice-chairman, the county road surveyor and

the county engineer to be their representatives on the Clyde Valley Regional Planning Advisory Committee. There were no meetings of the Advisory Committee throughout the year.

GENERAL.

Under Section 122 of the Public Health (Scotland) Act, 1897, the boundaries of the undernoted Special Districts were extended.

Rhu Special Drainage District.

Vale of Leven and Renton Special Drainage District.

In accordance with Section 131 of the Public Health (Scotland) Act, 1897, the boundaries of Cardross, Renton and Vale of Leven Special Water Supply District were extended.

Under Section 44 of the Local Government (Scotland) Act, 1894, extensions were made to the boundaries of

Vale of Leven Special Lighting District.

Vale of Leven Special Scavenging District.

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