

**[Report 1941-1945] / Medical Officer of Health, Dunbarton County Council.**

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COUNTY COUNCIL OF DUNBARTON.



ANNUAL REPORTS

BY

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

MEDICAL OFFICER OF HEALTH

AND

THE COUNTY SANITARY INSPECTORS

FOR

THE YEARS 1941, 1942, 1943, 1944, AND 1945.

GLASGOW :

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

1946.



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# County of Dunbarton : Public Health Department.

## LIST OF STAFF as at 31st DECEMBER, 1945.

(Dates of commencement since 1/1/1941 are shown in brackets.)

(† indicates Military Service)

### *County Medical Officer.*

SAMUEL HARVEY, M.B., Ch.B., D.P.H., M.R.C.P.(Ed.), (28/12/1943).

### *Assistant County Medical Officer.*

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

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

### *County Sanitary Inspectors.*

(Eastern Area.)

(Western Area.)

JOHN D. M'KENDRICK.

THOMAS ALLAN.

### *Assistant Sanitary Inspectors.*

WILLIAM ARTHUR.  
A. LAWSON RIDDELL.  
JOHN DUNN.  
† JOSEPH C. MORTON.  
JOHN D. THOMSON.  
† JAMES G. WATSON, jun.

WILLIAM B. SAMSON.  
NEIL MACDONALD.  
THOMAS MUNN.  
JOHN CRAIG.

### *County Engineer.*

MALCOLM ROSS

### *Assistant Engineers.*

JOHN NICOLSON.  
JAMES C. MACKENZIE.  
† JOHN C. RAMSAY, M.C.  
† WILLIAM B. MACPHERAN.  
† DAVID M'ALAY.  
† PETER MACFARLANE.  
† WILLIAM STORRIE.

† H. S. MACDONALD.  
† WILLIAM C. BELL. (3/2/1941)  
† H. J. WILSON. (3/2/1941)  
T. S. WEIR. (16/11/1942)  
J. MACDONALD. (14/9/1936)  
R. G. MACWILLIAM (App.) (2/11/1942)  
G. M. MACFARLANE (App.) (2/11/1942)

### *Inspector of Works.*

ALLAN SCOTT.

### *Health Visitors.*

(Eastern Area.)

(Western Area.)

J. CLARA MACBETH.  
CHRISTINA S. L. KING.  
BOBINA L. SHAW. (16/6/1941)  
ELSIE M. RANKIN. (20/8/1943)  
ELIZABETH A. SANDILANDS.  
(16/9/1943)  
MARGARET CALLANDER. (16/9/1944)

MARGARET M'CALLUM. (2/10/1944)  
CATHERINE GAVIN. (16/12/1945)  
MARION MACDONALD.\* (a)  
MARY DAVIDSON.\* (a) (22/2/1945)  
RACHEL D. COLVILLE.\* (b)  
JANET S. CLARK.\* (c)

\* District Nurses : employed part time.

(a) Burgh of Milngavie. (b) Burgh of Cove and Kilcreggan. (c) Arrochar District.

### *Midwifery Staff : Maternity Services (Scotland) Act, 1937.*

#### *Supervisor of Midwives.*

CHRISTINA J. MAITLAND. (23/8/1943)

#### *Midwives.*

JANE R. RITCHIE.  
MARGARET MACDONALD. (6/3/1942)

MARY SMITH.  
JOAN WATERHOUSE 1/3/1944)



LIST OF STAFF—*Continued.**Clerical Staff.*

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

JOSEPH BAIRD (Chief Clerk at 24 George Square).

CHRISTINE M'GREGOR (Chief Clerk in Alexandria Office).

CHRISTINA M'GLASHAN. <sup>1</sup>	JESSIE M. HYND. <sup>1</sup>	(16/9/1942)
MARGOT M'KEAN. <sup>1</sup>	JANET M'MANUS. <sup>1</sup>	(30/10/1944)
† JAMES CAMPBELL. <sup>1</sup>	ELIZABETH A. M'LEAN. <sup>1</sup>	(2/7/1945)
BELLA AIRTH. <sup>1</sup>	SARA CORNOCK. <sup>2</sup>	
ANNIE HALL. <sup>1</sup>	MARJORIE M'FETRIDGE. <sup>2</sup>	(27/4/1942)
† LOUIS M'GOUGAN. <sup>1</sup>	MARGARET D. WALTERS. <sup>2</sup>	(3/2/1941)
ISABEL STALKER. <sup>1</sup>	CHRISTINA Y. MANSON. <sup>2</sup>	(2/6/1941)
ELIZABETH C. LANG. <sup>1</sup>	ELIZABETH W. JENKINS. <sup>2</sup>	(27/8/1945)
MARY M. BUCHANAN. <sup>1</sup>	J. I. M'CONNELL. <sup>3</sup>	(16/6/1945)
AGNES KINLOCH. <sup>1</sup>		

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

Messrs. TATLOCK &amp; THOMSON, Bath Street, Glasgow.

## Retirals, Resignations and Deaths.

Deaths on War Service—John Morrison, Clerk, died 26/8/1943; Tom Smith, Clerk, missing 24/3/1944; James S. Archibald, Assistant Engineer, missing, July, 1945.

Retirals—Dr. Thomas Lauder Thomson, 27/12/1943; Isa R. M'Kenzie, Health Visitor, 23/9/1944; Lily Priestner, Part-time Health Visitor, 29/1/1945.

Resignations—Sanitary Inspectors: Donald J. Macdonald, 15/7/43; Thomas M'Glashan, 30/6/44; Angus Beaton (commenced 3/1/1944), 8/12/1945.

Assistant Engineers—John Cameron, 24/5/1941; Ian M. MacLean, 15/5/1945; S. G. MacKenzie, 11/11/1945; A. W. Stevenson, 26/9/1945.

Health Visitors—Catherine Gavin, 15/6/1941; Mrs. I. M'Cricrick, 15/2/1942; I. J. R. Macdonald (commenced 23/2/1942), 19/11/1945.

Midwifery Staff—Mary J. Campbell, Supervisor, 30/4/1943; Geraldine M'Cullagh, 15/8/1942; F. K. Falconer (commenced 16/4/1941) 9/2/1942; Margaret Fenton (commenced 16/10/1942), 6/12/1943.

Clerical Staff—William Ewing, 15/7/1941; Elizabeth Muir, 15/6/1945; Annie Grant, 7/7/1945.

Deaths—Rachel Smith, Health Visitor, died 22/10/1945; Mrs. H. Strachan, Clerk (commenced 1/6/1943), died 30/7/1944.

## Record of War Service.

## Assistant Sanitary Inspectors—

Joseph C. Morton,	from 16/10/1940 till 4/9/1945
James C. Watson, jun.,	„ 14/11/1944 still serving.

## Assistant Engineers—

John C. Ramsay, M.C.,	from 4/2/1943 till 29/10/1945
William Storrie,	„ 16/10/1939 „ 5/11/1945
William B. M'Phedran,	„ 11/10/1939 „ 21/1/1946
David M'Aulay,	„ 2/9/1939 „ 9/1/1946
Peter M'Farlane,	„ 15/5/1940 „ 3/6/1946
H. S. MacDonald,	„ 26/11/1942 „ 10/3/1946
William C. Bell,	„ 9/11/1942 still serving.
H. J. Wilson,	„ 22/1/1942 „
A. W. Stevenson,	„ 13/9/1943 „ 26/9/1945: since resigned.

## Clerical Staff—

James Campbell	from 1/10/1940 till 16/6/1946
Louis M'Gougan	„ 11/7/1942 still serving.

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

LADIES and GENTLEMEN,

Dr. Thomas Lauder Thomson retired on the 27th December, 1943, having been Medical Officer of Health since 1912. His graciousness, integrity of thought, and breadth of vision was acknowledged by his colleagues and staff.

I should like to take this opportunity of thanking all branches of the Civil Defence Casualty Services for the self-denying service which they so gladly gave.

The outstanding lesson given to us during the war years was the misery resulting from the disintegration of the family as a unit, and of the key position of the housewife as the arbiter of present and future family security in all its implications. Anything done by a Health Authority to help weld family life and to give ~~material~~<sup>MENTAL</sup> and physical relief to the housewife will be reflected in the well-being of the nation.

I am, Ladies and Gentlemen,

Your obedient Servant,

S. HARVEY,  
*Medical Officer of Health.*

COUNTY HEALTH DEPARTMENT,  
58 COLLEGE STREET, DUMBARTON.



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# MEDICAL OFFICER'S REPORT

FOR YEARS 1941-42-43-44 AND 45 INCLUSIVE.

POPULATION.—The table showing the population of the County by parishes (exclusive of Large Burghs), as estimated by the number of occupied houses, is not included because war conditions have rendered the calculations unreliable.

The calculations of civilian population made by the Registrar-General resulted in estimates as under. For comparison his figure for 1938, the last complete pre-war year, is 85,117.

Year.	Estimated Population.
1941 - -	90,500
1942 - -	90,800
1943 - -	87,553
1944 - -	86,795
1945 - -	86,652

BIRTHS AND BIRTH RATES.—In 1938 the corrected total of live births (*i.e.*, allowing for transfer out and in) in the County was 1367 giving a birth-rate of 16.1 per 1000. The corresponding figures for the years under review are:—

Year.	Corrected Total Births.	Corrected Birth Rates.
1941 - -	1,546	16.3
1942 - -	1,506	15.6
1943 - -	1,641	17.3
1944 - -	1,757	18.6
1945 - -	1,520	16.2

DEATHS AND DEATH RATES.—The corrected total of deaths for the year 1938 was 972, giving a death rate of 11.4 per 1000 of estimated population. The corresponding figure for the years 1941-1945 are:—

Year.	Corrected Total Deaths.	Corrected Death Rates.
1941 - -	1,153	12.7
1942 - -	1,098	12.1
1943 - -	1,077	12.3
1944 - -	1,086	12.5
1945 - -	1,011	11.7



INFANTILE MORTALITY.—In 1938 the County had the record low Infantile Mortality rate of 49 deaths of children aged under One Year per 1000 live births. The actual number of deaths was 67. The corresponding figures for the years under review are :—

Year.	Number of Deaths.	Infantile Mortality Rate.
1941	118	76
1942	88	58
1943	87	53
1944	93	53
1945	96	63

The principal causes of death were :—

	1941.	1942.	1943.	1944.	1945.
Premature Births, &c., - - -	58	49	45	47	55
Pneumonia, - - - - -	15	11	15	18	11
Infantile Diarrhoea, - - -	11	9	4	11	10
Bronchitis, - - - - -	4	3	2	—	2
Whooping Cough, - - - -	6	2	2	2	5
Measles, - - - - -	2	1	2	—	—

DEATHS FROM INFECTIOUS DISEASES.—The following are the deaths registered as due to infectious diseases :—

	1941.	1942.	1943.	1944.	1945.
Typhoid Fever, - - - - -	—	—	—	—	—
Cerebro-spinal Fever, - - -	2	3	2	2	—
Scarlet Fever, - - - - -	1	—	—	1	1
Diphtheria, - - - - -	12	2	4	6	3
Whooping Cough, - - - - -	11	2	5	4	6
Measles, - - - - -	4	3	6	—	—
Other infectious diseases, - -	4	9	9	9	4

DEATHS FROM INFLUENZA, PNEUMONIA AND CANCER.—These diseases were responsible for the undernoted numbers of deaths :—

Year.	Influenza.	Pneumonia.	Cancer.
1941	18	53	122
1942	7	40	157
1943	16	44	146
1944	12	47	174
1945	3	29	165

TUBERCULOSIS DEATHS AND DEATH-RATES.—The deaths due to tuberculosis were:—

Year	ALL FORMS.		PULMONARY.		OTHER FORMS.	
	Total Deaths.	Rate per 1000 of Population.	Total Deaths.	Rate per 1000 of Population.	Total Deaths.	Rate per 1000 of Population.
1941	45	0.50	33	0.36	23	0.14
1942	57	0.63	41	0.45	16	0.18
1943	53	0.61	39	0.45	14	0.16
1944	55	0.63	41	0.47	14	0.16
1945	50	0.58	35	0.40	15	0.15

The following tables show the period elapsing between notification and death, and between discharge from an institution and death of all the cases mentioned in the foregoing table.

						PULMONARY				
						1941	1942	1943	1944	1945
Notified only at or after death, ...	...	...	...	...	...	...	1	6	6	5
Notified less than 1 month before death, ...	...	...	...	...	...	3	6	4	4	5
Notified from 1 to 3 months before death, ...	...	...	...	...	...	4	5	1	3	4
Notified from 3 to 6 months before death, ...	...	...	...	...	...	4	4	2	4	1
Notified from 6 to 12 months before death, ...	...	...	...	...	...	2	10	4	2	3
Notified from 1 to 2 years before death, ...	...	...	...	...	...	2	5	7	5	6
Notified over 2 years before death, ...	...	...	...	...	...	18	10	15	17	11
Totals, ...	...	...	...	...	...	33	41	39	41	35
Survival after discharge from an Institution. }						7	4	2	2	...
Less than 28 days, }						5	10	8	13	...
More than 28 days, }										

						NON-PULMONARY				
						1941	1942	1943	1944	1945
Notified only at or after death, ...	...	...	...	...	...	9	8	6	5	2
Notified less than 1 month before death, ...	...	...	...	...	...	1	3	3	4	3
Notified from 1 to 3 months before death, ...	...	...	...	...	...	...	...	2	...	2
Notified from 3 to 6 months before death, ...	...	...	...	...	...	...	2	...	...	...
Notified from 6 to 12 months before death, ...	...	...	...	...	...	...	1	...	...	...
Notified from 1 to 2 years before death, ...	...	...	...	...	...	...	...	1	1	1
Notified over 2 years before death, ...	...	...	...	...	...	2	2	2	4	2
Totals, ...	...	...	...	...	...	12	16	14	14	15
Survival after discharge from an Institution. }						...	...	...	...	...
Less than 28 days, }						1	1	1	1	2
More than 28 days, }										



## METEOROLOGY.

To maintain the continuous records of rainfall within the County, which were commenced with the first County Medical Officer's Report for the year 1891, the tables have been printed in full for each of the war years and will be found on pages 17 to 21.

## A.—GENERAL SANITATION.

## WATER SUPPLIES.

The undernoted tables show the number of samples taken and the numbers reported by the Analyst to be of doubtful quality :—

*Total Number of Samples Analysed.*

	1941.	1942.	1943.	1944.	1945.
Eastern Area,	7	25	9	12	17
Western Area,	21	22	47	50	37
Total,	28	47	56	62	54

*Number of Samples found to be Unsatisfactory.*

	1941.	1942.	1943.	1944.	1945.
Eastern Area,	—	3	—	—	—
Western Area,	1	1	2	1	5
Total,	1	4	2	1	5

In almost every case the unsatisfactory samples were from individual private supplies where contamination from a human source was excluded. Where, in two instances, pollution was traced to a human source the necessary remedial action was taken.

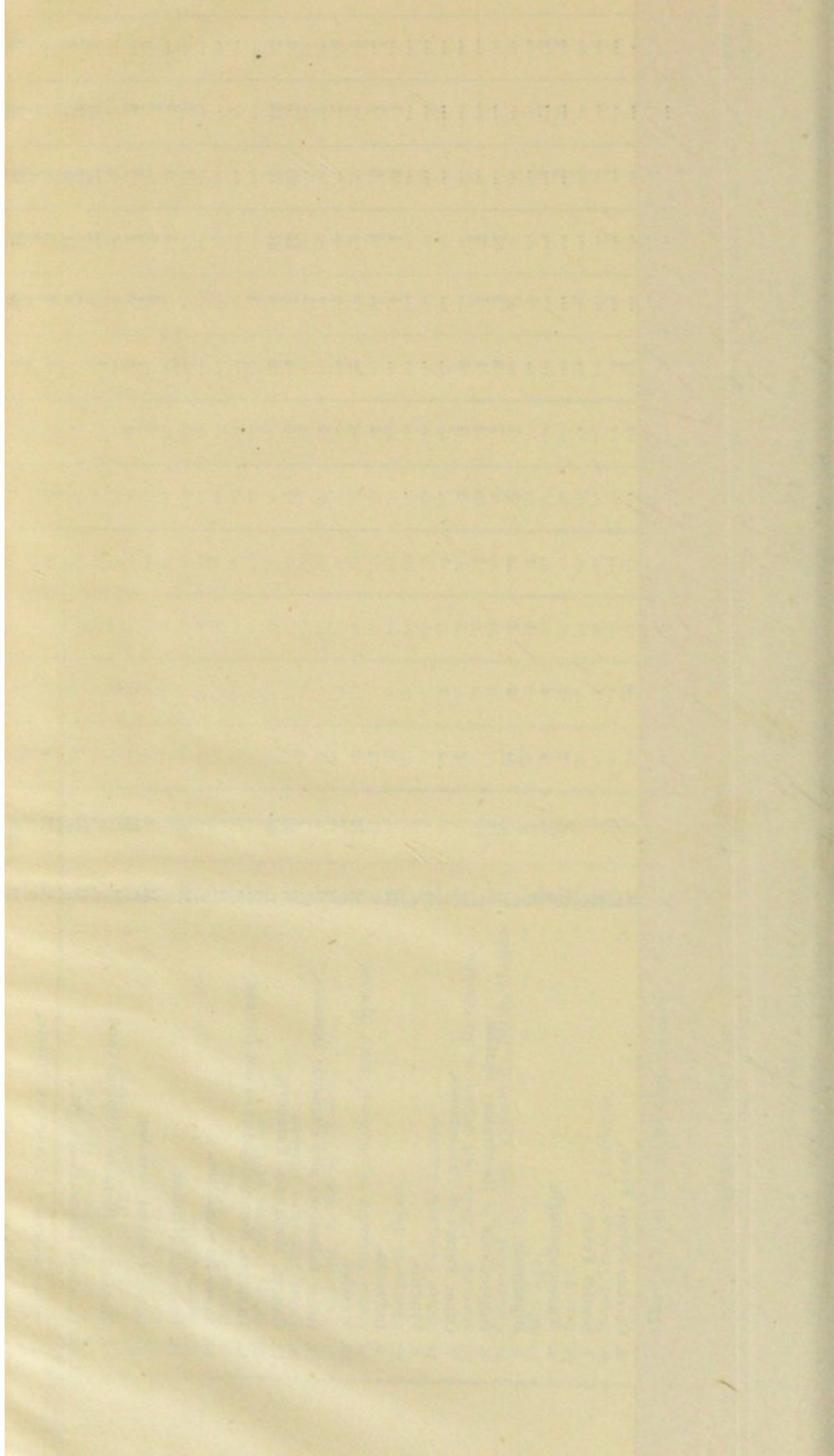
## RIVERS POLLUTION PREVENTION.

RIVER LEVEN.—Following a complaint by an official of the Loch Lomond Angling Association in July, 1941, that pollution of the river was killing fish, the Sanitary Inspector reported that there were no signs of pollution, while chemical analysis threw no light on the matter. The river is, of course, a fast-flowing one, so that noxious material is quickly carried away if pollution is transient. Whatever the cause of

CAUSES OF DEATH.		ALL AGES.	1—	5—	10—	15—	25—	35—	45—	55—	65—	75—	85 and over.
1. Typhoid Fever (including Paratyphoid),	M.	...	...	...	...	...	...	...	...	...	...	...	...
2. Cerebro-Spinal Fever,	M.	1	1	...	...	...	...	...	...	...	...	...	...
3. Scarlet Fever, ..	M.	1	1	...	...	...	...	1	...	...	...	...	...
4. Whooping-cough,	M.	3	4	...	...	...	...	...	...	...	...	...	...
5. Diphtheria, ..	M.	5	2	1	1	...	...	...	...	...	...	...	...
6. Tuberculosis of Respiratory System,	M.	14	...	...	...	...	...	...	...	...	...	...	...
7. Other Forms of Tuberculosis,	M.	19	...	...	...	...	...	...	...	...	...	...	...
8. Syphilis, ..	M.	3	1	...	...	...	...	...	...	...	...	...	...
9. Influenza,	M.	11	1	...	...	...	...	...	...	...	...	...	...
10. Measles, ..	M.	11	1	...	...	...	...	...	...	...	...	...	...
11. Other Infectious and Parasitic Diseases,*	M.	2	2	...	...	...	...	...	...	...	...	...	...
12. Cancer, Malignant Tumours, ..	M.	56	...	...	...	...	...	...	...	...	...	...	...
13. Tumours, Non-malignant or not Defined,	M.	68	...	...	...	...	...	...	...	...	...	...	...
14. Acute Rheumatism, ..	M.	1	...	...	...	...	...	...	...	...	...	...	...
15. Diabetes Mellitus, ..	M.	7	...	...	...	...	...	...	...	...	...	...	...
16. Other General Diseases, ..	M.	8	...	...	...	...	...	...	...	...	...	...	...
17. Meningitis, Diseases of Spinal Cord,	M.	13	...	...	...	...	...	...	...	...	...	...	...
18. Cerebral Haemorrhage, &c.,	M.	53	1	...	...	...	...	...	...	...	...	...	...
19. Other Diseases of Nervous System,	M.	75	6	...	...	...	...	...	...	...	...	...	...
20. Heart Disease,	M.	13	...	...	...	...	...	...	...	...	...	...	...
21. Other Circulatory Diseases,	M.	5	...	...	...	...	...	...	...	...	...	...	...
22. Bronchitis,	M.	173	...	...	...	...	...	...	...	...	...	...	...
23. Other Respiratory Diseases,	M.	25	...	...	...	...	...	...	...	...	...	...	...
24. Gastric and Duodenal Ulcer,	M.	29	...	...	...	...	...	...	...	...	...	...	...
25. Diarrhoea (all ages), ..	M.	97	...	...	...	...	...	...	...	...	...	...	...
26. Appendicitis, ..	M.	26	...	...	...	...	...	...	...	...	...	...	...
27. Cirrhosis of Liver, ..	M.	9	...	...	...	...	...	...	...	...	...	...	...
28. Other Diseases of Liver,	M.	11	...	...	...	...	...	...	...	...	...	...	...
29. Other Digestive Diseases,	M.	15	...	...	...	...	...	...	...	...	...	...	...
30. Nephritis, Acute or Chronic,	M.	5	...	...	...	...	...	...	...	...	...	...	...
31. Other Diseases of Genito-Urinary System,	M.	8	...	...	...	...	...	...	...	...	...	...	...
32. Puerperal Sepsis, ..	M.	10	...	...	...	...	...	...	...	...	...	...	...
33. Other Puerperal Causes, ..	M.	2	...	...	...	...	...	...	...	...	...	...	...
34. Diseases of Skin and Organs of Movement,	M.	1	...	...	...	...	...	...	...	...	...	...	...
35. Congenital Debility, Premature Birth, Malfor-	M.	1	...	...	...	...	...	...	...	...	...	...	...
36. mations, &c., ..	M.	31	...	...	...	...	...	...	...	...	...	...	...
37. Old Age, ..	M.	27	...	...	...	...	...	...	...	...	...	...	...
38. Suicide, ..	M.	13	...	...	...	...	...	...	...	...	...	...	...
39. Road Transport Accidents,	M.	20	...	...	...	...	...	...	...	...	...	...	...
40. Other Violence, ..	M.	4	...	...	...	...	...	...	...	...	...	...	...
41. Causes ill-defined or unknown, ..	M.	15	...	...	...	...	...	...	...	...	...	...	...
ALL CAUSES,	M.	551	63	15	9	3	12	19	30	54	80	141	23
	F.	602	55	18	7	5	17	21	25	38	87	126	43
		1153	118	33	16	8	29	40	55	92	177	267	66

\* Including Erysipelas, Septicaemia, Dysentery, Acute Polymyelitis and Lethargic Encephalitis.

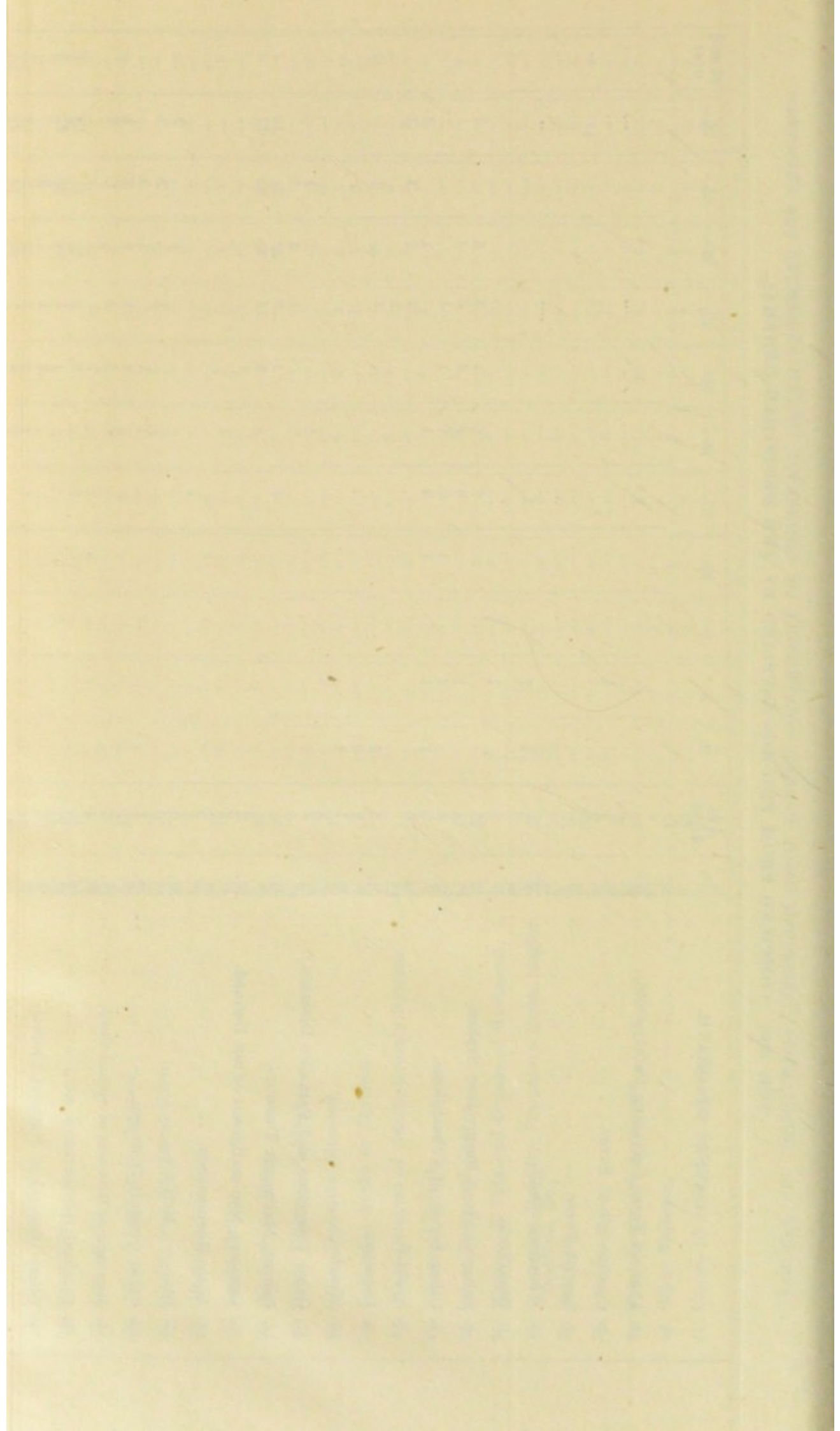




CAUSES OF DEATH.		ALL AGES.	1—	5—	10—	15—	25—	35—	45—	55—	65—	75—	85 and over.
1. Typhoid Fever (including Paratyphoid),	M.	...	...	...	...	...	...	...	...	...	...	...	...
2. Cerebro-Spinal Fever,	F.	...	...	...	...	...	...	...	...	...	...	...	...
3. Scarlet Fever, ..	F.	...	1	...	...	...	...	...	...	...	...	...	...
4. Whooping-cough,	F.	...	...	...	...	...	...	...	...	...	...	...	...
5. Diphtheria, ..	F.	...	...	...	...	...	...	...	...	...	...	...	...
6. Tuberculosis of Respiratory System,	M.	...	...	...	...	...	...	...	...	...	...	...	...
7. Other Forms of Tuberculosis,	M.	...	...	...	...	...	...	...	...	...	...	...	...
8. Syphilis, ..	F.	...	...	...	...	...	...	...	...	...	...	...	...
9. Influenza, ..	F.	...	...	...	...	...	...	...	...	...	...	...	...
10. Measles, ..	F.	...	...	...	...	...	...	...	...	...	...	...	...
11. Other Infectious and Parasitic Diseases,*	F.	...	...	...	...	...	...	...	...	...	...	...	...
12. Cancer, Malignant Tumours,	M.	...	...	...	...	...	...	...	...	...	...	...	...
13. Tumours, Non-malignant or not Defined,	M.	...	...	...	...	...	...	...	...	...	...	...	...
14. Acute Rheumatism, ..	F.	...	...	...	...	...	...	...	...	...	...	...	...
15. Diabetes Mellitus, ..	F.	...	...	...	...	...	...	...	...	...	...	...	...
16. Other General Diseases, ..	F.	...	...	...	...	...	...	...	...	...	...	...	...
17. Meningitis, Diseases of Spinal Cord,	F.	...	...	...	...	...	...	...	...	...	...	...	...
18. Cerebral Haemorrhage, &c.,	F.	...	...	...	...	...	...	...	...	...	...	...	...
19. Other Diseases of Nervous System,	F.	...	...	...	...	...	...	...	...	...	...	...	...
20. Heart Disease,	M.	...	...	...	...	...	...	...	...	...	...	...	...
21. Other Circulatory Diseases,	F.	...	...	...	...	...	...	...	...	...	...	...	...
22. Bronchitis, ..	F.	...	...	...	...	...	...	...	...	...	...	...	...
23. Pneumonia, ..	F.	...	...	...	...	...	...	...	...	...	...	...	...
24. Other Respiratory Diseases,	F.	...	...	...	...	...	...	...	...	...	...	...	...
25. Gastric and Duodenal Ulcer,	F.	...	...	...	...	...	...	...	...	...	...	...	...
26. Diarrhoea (all ages), ..	F.	...	...	...	...	...	...	...	...	...	...	...	...
27. Appendicitis, ..	F.	...	...	...	...	...	...	...	...	...	...	...	...
28. Cirrhosis of Liver, ..	F.	...	...	...	...	...	...	...	...	...	...	...	...
29. Other Diseases of Liver, ..	F.	...	...	...	...	...	...	...	...	...	...	...	...
30. Other Digestive Diseases, ..	F.	...	...	...	...	...	...	...	...	...	...	...	...
31. Nephritis, Acute or Chronic,	F.	...	...	...	...	...	...	...	...	...	...	...	...
32. Other Diseases of Genito-Urinary System,	F.	...	...	...	...	...	...	...	...	...	...	...	...
33. Puerperal Sepsis, ..	F.	...	...	...	...	...	...	...	...	...	...	...	...
34. Other Puerperal Causes, ..	F.	...	...	...	...	...	...	...	...	...	...	...	...
35. Diseases of Skin and Organs of Movement,	F.	...	...	...	...	...	...	...	...	...	...	...	...
36. Congenital Debility, Premature Birth, Malfor-	M.	...	...	...	...	...	...	...	...	...	...	...	...
37. Old Age,	F.	...	...	...	...	...	...	...	...	...	...	...	...
38. Suicide, ..	F.	...	...	...	...	...	...	...	...	...	...	...	...
39. Road Transport Accidents,	M.	...	...	...	...	...	...	...	...	...	...	...	...
40. Other Violence, ..	F.	...	...	...	...	...	...	...	...	...	...	...	...
41. Causes ill-defined or unknown, ..	F.	...	...	...	...	...	...	...	...	...	...	...	...
ALL CAUSES,		...	...	...	...	...	...	...	...	...	...	...	...
M.		544	52	6	5	14	18	36	44	98	131	112	22
F.		554	36	14	4	16	23	30	41	93	127	136	29
1098		88	20	10	7	30	41	66	88	191	258	248	51

\* Including Erysipelas, Septicaemia, Dysentery, Acute Poliomyelitis and Lethargic Encephalitis.





CAUSES OF DEATH.		ALL AGES.	1—	5—	10—	15—	25—	35—	45—	55—	65—	75—	85 and over.
1. Typhoid Fever (including Paratyphoid),	M.	...	...	...	...	...	...	...	...	...	...	...	...
2. Cerebro-Spinal Fever,	M.	2	1	...	...	...	...	...	...	...	...	...	...
3. Scarlet Fever,	M.	...	...	...	...	...	...	...	...	...	...	...	...
4. Whooping-cough,	M.	3	1	...	...	...	...	...	...	...	...	...	...
5. Diphtheria,	M.	2	1	...	...	...	...	...	...	...	...	...	...
6. Tuberculosis of Respiratory System,	M.	4	1	...	...	...	...	...	...	...	...	...	...
7. Other Forms of Tuberculosis,	M.	17	1	...	...	...	...	...	...	...	...	...	...
8. Syphilis,	M.	9	2	...	...	...	...	...	...	...	...	...	...
9. Influenza,	M.	5	...	...	...	...	...	...	...	...	...	...	...
10. Measles,	M.	11	2	...	...	...	...	...	...	...	...	...	...
11. Other Infectious and Parasitic Diseases,*	M.	3	1	...	...	...	...	...	...	...	...	...	...
12. Cancer, Malignant Tumours,	M.	8	...	...	...	...	...	...	...	...	...	...	...
13. Tumours, Non-malignant or not Defined,	M.	67	...	...	...	...	...	...	...	...	...	...	...
14. Acute Rheumatism,	M.	79	...	...	...	...	...	...	...	...	...	...	...
15. Diabetes Mellitus,	M.	2	...	...	...	...	...	...	...	...	...	...	...
16. Other General Diseases,	M.	4	...	...	...	...	...	...	...	...	...	...	...
17. Meningitis, Diseases of Spinal Cord,	M.	1	...	...	...	...	...	...	...	...	...	...	...
18. Cerebral Hemorrhage, &c.,	M.	53	1	...	...	...	...	...	...	...	...	...	...
19. Other Diseases of Nervous System,	M.	74	...	...	...	...	...	...	...	...	...	...	...
20. Heart Disease,	M.	11	2	...	...	...	...	...	...	...	...	...	...
21. Other Circulatory Diseases,	M.	132	...	...	...	...	...	...	...	...	...	...	...
22. Bronchitis,	M.	19	...	...	...	...	...	...	...	...	...	...	...
23. Pneumonia,	M.	8	...	...	...	...	...	...	...	...	...	...	...
24. Other Respiratory Diseases,	M.	29	...	...	...	...	...	...	...	...	...	...	...
25. Gastric and Duodenal Ulcer,	M.	13	...	...	...	...	...	...	...	...	...	...	...
26. Diarrhoea (all ages),	M.	4	...	...	...	...	...	...	...	...	...	...	...
27. Appendicitis,	M.	2	...	...	...	...	...	...	...	...	...	...	...
28. Cirrhosis of Liver,	M.	3	...	...	...	...	...	...	...	...	...	...	...
29. Other Diseases of Liver,	M.	1	...	...	...	...	...	...	...	...	...	...	...
30. Other Digestive Diseases,	M.	5	...	...	...	...	...	...	...	...	...	...	...
31. Nephritis, Acute or Chronic,	M.	10	...	...	...	...	...	...	...	...	...	...	...
32. Other Diseases of Genito-Urinary System,	M.	7	...	...	...	...	...	...	...	...	...	...	...
33. Puerperal Sepsis,	M.	4	...	...	...	...	...	...	...	...	...	...	...
34. Other Puerperal Causes,	M.	2	...	...	...	...	...	...	...	...	...	...	...
35. Diseases of Skin and Organs of Movement,	M.	6	...	...	...	...	...	...	...	...	...	...	...
36. Congenital Debility, Premature Birth, Malfor-	M.	1	...	...	...	...	...	...	...	...	...	...	...
37. Old Age,	M.	21	...	...	...	...	...	...	...	...	...	...	...
38. Suicide,	M.	25	...	...	...	...	...	...	...	...	...	...	...
39. Road Transport Accidents,	M.	10	...	...	...	...	...	...	...	...	...	...	...
40. Other Violence,	M.	26	...	...	...	...	...	...	...	...	...	...	...
41. Causes ill-defined or unknown,	M.	16	...	...	...	...	...	...	...	...	...	...	...
ALL CAUSES,	M.	592	43	10	4	6	16	22	29	51	83	125	110
F.	F.	555	44	13	4	2	21	16	23	37	75	139	126
		1077	87	23	8	8	37	38	52	88	158	264	236
													78

\* Including Erysipelas, Septicaemia, Dysentery, Acute Poliomyelitis and Lethargic Encephalitis.



1. The first problem is to determine the  
 2. the number of solutions of the system  
 3. of linear equations in  $n$  variables  
 4. over the field  $F$ . This is done by  
 5. reducing the augmented matrix to row  
 6. echelon form. The number of  
 7. non-zero rows in the echelon form  
 8. is the rank of the matrix. If the  
 9. rank is less than the number of  
 10. variables, there are infinitely many  
 11. solutions. If the rank is equal to  
 12. the number of variables, there is a  
 13. unique solution. If the rank is  
 14. greater than the number of variables,  
 15. there are no solutions.

The rank of a matrix is the dimension of the column space of the matrix. It is the number of linearly independent columns in the matrix.

CAUSES OF DEATH.		ALL AGES.	1—	5—	10—	15—	25—	35—	45—	55—	65—	75—	85 and over.
1. Typhoid Fever (including Paratyphoid),	M.	...	...	...	...	...	...	...	...	...	...	...	...
2. Cerebro-Spinal Fever,	F.	...	...	...	...	...	...	...	...	...	...	...	...
3. Scarlet Fever, ..	F.	2	1	...	...	...	...	...	1	...	...	...	...
4. Whooping-cough,	F.	1	1	...	...	...	...	...	...	...	...	...	...
5. Diphtheria, ..	M.	3	1	...	...	...	...	...	...	...	...	...	...
6. Tuberculosis of Respiratory System,	M.	20	...	...	...	...	...	...	...	...	...	...	...
7. Other Forms of Tuberculosis,	F.	21	...	...	...	...	...	...	...	...	...	...	...
8. Syphilis, ..	M.	7	1	2	1	2	...	...	...	...	...	...	...
9. Influenza,	F.	7	...	...	...	...	...	...	...	...	...	...	...
10. Measles, ..	F.	5	1	...	...	...	...	...	...	...	...	...	...
11. Other Infectious and Parasitic Diseases,*	F.	...	...	...	...	...	...	...	...	...	...	...	...
12. Cancer, Malignant Tumours, ..	M.	5	1	1	...	...	...	...	...	...	...	...	...
13. Tumours, Non-malignant or not Defined,	F.	73	...	...	...	...	...	...	...	...	...	...	...
14. Acute Rheumatism, ..	M.	101	...	...	...	...	...	...	...	...	...	...	...
15. Diabetes Mellitus, ..	M.	3	...	...	...	...	...	...	...	...	...	...	...
16. Other General Diseases, ..	M.	5	...	...	...	...	...	...	...	...	...	...	...
17. Meningitis, Diseases of Spinal Cord,	M.	1	...	...	...	...	...	...	...	...	...	...	...
18. Cerebral Hemorrhage, &c., ..	F.	10	3	...	...	...	...	...	...	...	...	...	...
19. Other Diseases of Nervous System,	F.	2	...	...	...	...	...	...	...	...	...	...	...
20. Heart Disease, ..	M.	61	...	...	...	...	...	...	...	...	...	...	...
21. Other Circulatory Diseases,	F.	85	...	...	...	...	...	...	...	...	...	...	...
22. Bronchitis, ..	M.	3	1	...	...	...	...	...	...	...	...	...	...
23. Pneumonia, ..	F.	164	...	...	...	...	...	...	...	...	...	...	...
24. Other Respiratory Diseases,	F.	152	...	...	...	...	...	...	...	...	...	...	...
25. Gastric and Duodenal Ulcer,	M.	11	...	...	...	...	...	...	...	...	...	...	...
26. Diarrhoea (all ages), ..	F.	6	...	...	...	...	...	...	...	...	...	...	...
27. Appendicitis, ..	F.	14	...	...	...	...	...	...	...	...	...	...	...
28. Cirrhosis of Liver, ..	F.	9	...	...	...	...	...	...	...	...	...	...	...
29. Other Diseases of Liver,	M.	30	10	1	1	1	1	1	1	1	1	1	1
30. Other Digestive Diseases, ..	F.	17	8	2	...	...	...	...	...	...	...	...	...
31. Nephritis, Acute or Chronic,	M.	5	...	...	...	...	...	...	...	...	...	...	...
32. Other Diseases of Genito-Urinary System,	F.	3	1	...	...	...	...	...	...	...	...	...	...
33. Puerperal Sepsis, ..	F.	4	...	...	...	...	...	...	...	...	...	...	...
34. Other Puerperal Causes, ..	M.	7	1	...	...	...	...	...	...	...	...	...	...
35. Diseases of Skin and Organs of Movement, ..	F.	4	...	...	...	...	...	...	...	...	...	...	...
36. Congenital Debility, Premature Birth, Malfor-	M.	13	...	...	...	...	...	...	...	...	...	...	...
37. Old Age, ..	F.	15	...	...	...	...	...	...	...	...	...	...	...
38. Suicide, ..	M.	11	...	...	...	...	...	...	...	...	...	...	...
39. Road Transport Accidents, ..	F.	2	...	...	...	...	...	...	...	...	...	...	...
40. Other Violence,	M.	2	...	...	...	...	...	...	...	...	...	...	...
41. Causes ill-defined or unknown, ..	F.	18	1	2	1	4	3	2	2	1	1	1	3
ALL CAUSES,	M.	552	14	5	4	14	18	27	43	84	141	122	23
	F.	534	9	2	4	16	24	24	47	80	122	126	44
		1086	23	7	8	30	42	51	90	164	263	248	67

\* Including Erysipelas, Septicaemia, Dysentery, Acute Poliomyelitis and Lethargic Encephalitis.





CAUSES OF DEATH.		ALL AGES.	—1	5—	10—	15—	25—	35—	45—	55—	65—	75—	85 and over.
1. Typhoid Fever (including Paratyphoid),	M.	...	...	...	...	...	...	...	...	...	...	...	...
2. Cerebro-Spinal Fever,	M.	...	...	...	...	...	...	...	...	...	...	...	...
3. Scarlet Fever,	M.	...	...	...	...	...	...	...	...	...	...	...	...
4. Whooping-cough,	M.	...	...	...	...	...	...	...	...	...	...	...	...
5. Diphtheria,	M.	...	...	...	...	...	...	...	...	...	...	...	...
6. Tuberculosis of Respiratory System,	M.	...	...	...	...	...	...	...	...	...	...	...	...
7. Other Forms of Tuberculosis,	M.	...	...	...	...	...	...	...	...	...	...	...	...
8. Syphilis, ...	M.	...	...	...	...	...	...	...	...	...	...	...	...
9. Influenza,	M.	...	...	...	...	...	...	...	...	...	...	...	...
10. Measles, ...	M.	...	...	...	...	...	...	...	...	...	...	...	...
11. Other Infectious and Parasitic Diseases*,	M.	...	...	...	...	...	...	...	...	...	...	...	...
12. Cancer, Malignant Tumours,	M.	...	...	...	...	...	...	...	...	...	...	...	...
13. Tumours, Non-malignant or not Defined,	M.	...	...	...	...	...	...	...	...	...	...	...	...
14. Acute Rheumatism,	M.	...	...	...	...	...	...	...	...	...	...	...	...
15. Diabetes Mellitus,	M.	...	...	...	...	...	...	...	...	...	...	...	...
16. Other General Diseases,	M.	...	...	...	...	...	...	...	...	...	...	...	...
17. Meningitis, Diseases of Spinal Cord,	M.	...	...	...	...	...	...	...	...	...	...	...	...
18. Cerebral Hemorrhage, &c.,	M.	...	...	...	...	...	...	...	...	...	...	...	...
19. Other Diseases of Nervous System,	M.	...	...	...	...	...	...	...	...	...	...	...	...
20. Heart Disease,	M.	...	...	...	...	...	...	...	...	...	...	...	...
21. Other Circulatory Diseases,	M.	...	...	...	...	...	...	...	...	...	...	...	...
22. Bronchitis,	M.	...	...	...	...	...	...	...	...	...	...	...	...
23. Pneumonia,	M.	...	...	...	...	...	...	...	...	...	...	...	...
24. Other Respiratory Diseases,	M.	...	...	...	...	...	...	...	...	...	...	...	...
25. Gastric and Duodenal Ulcer,	M.	...	...	...	...	...	...	...	...	...	...	...	...
26. Diarrhea (all ages),	M.	...	...	...	...	...	...	...	...	...	...	...	...
27. Appendicitis,	M.	...	...	...	...	...	...	...	...	...	...	...	...
28. Cirrhosis of Liver,	M.	...	...	...	...	...	...	...	...	...	...	...	...
29. Other Diseases of Liver,	M.	...	...	...	...	...	...	...	...	...	...	...	...
30. Other Digestive Diseases,	M.	...	...	...	...	...	...	...	...	...	...	...	...
31. Nephritis, Acute or Chronic,	M.	...	...	...	...	...	...	...	...	...	...	...	...
32. Other Diseases of Genito-Urinary System,	M.	...	...	...	...	...	...	...	...	...	...	...	...
33. Puerperal Sepsis,	M.	...	...	...	...	...	...	...	...	...	...	...	...
34. Other Puerperal Causes,	M.	...	...	...	...	...	...	...	...	...	...	...	...
35. Diseases of Skin and Organs of Movement,	M.	...	...	...	...	...	...	...	...	...	...	...	...
36. Congenital Debility, Premature Birth, Malfor-	M.	...	...	...	...	...	...	...	...	...	...	...	...
37. Old Age, ...	M.	...	...	...	...	...	...	...	...	...	...	...	...
38. Suicide,	M.	...	...	...	...	...	...	...	...	...	...	...	...
39. Road Transport Accidents,	M.	...	...	...	...	...	...	...	...	...	...	...	...
40. Other Violence,	M.	...	...	...	...	...	...	...	...	...	...	...	...
41. Causes ill-defined or unknown,	M.	...	...	...	...	...	...	...	...	...	...	...	...
ALL CAUSES,		523	60	12	6	2	9	11	20	42	96	131	110
		488	36	7	5	4	8	17	30	68	130	135	41
		1011	96	19	11	6	17	28	37	72	164	261	245
													65

\* Including Erysipelas, Septicaemia, Dysentery, Acute Poliomyelitis and Lethargic Encephalitis.



1. The first thing I noticed when I stepped out of the plane was the fresh air. It felt like a warm blanket after a long journey. The sun was shining brightly, and the birds were chirping happily. I took a deep breath and felt a sense of peace.

2. As I walked through the airport, I saw many people with luggage. Some were smiling, while others looked tired. I noticed a man in a suit who seemed to be in a hurry. He was looking at his watch and talking to a woman who was holding a child.

3. I found a taxi and got in. The driver was friendly and asked me where I was going. I told him the address and he started driving. The car was comfortable and the ride was smooth. I looked out the window and saw the city streets.

4. I arrived at my hotel and checked in. The room was clean and comfortable. I took a shower and got ready for the night. I went to bed and fell asleep. I had a good night's sleep and woke up feeling refreshed.

5. I went to breakfast and ate a delicious meal. The food was delicious and the service was excellent. I talked to the waiter and he was very helpful. I enjoyed my stay at the hotel and would recommend it to others.

6. I went to the beach and enjoyed the sun and sand. I played in the sand and built a sandcastle. I swam in the ocean and felt the waves. I had a great day and enjoyed every minute of it.

7. I went to a restaurant and ate a delicious meal. The food was delicious and the service was excellent. I talked to the waiter and he was very helpful. I enjoyed my stay at the hotel and would recommend it to others.

8. I went to a museum and saw many interesting things. I learned a lot about the history of the city and the people who lived there. I enjoyed my visit and would recommend it to others.

9. I went to a park and played with the children. I saw many beautiful flowers and trees. I had a great day and enjoyed every minute of it.

10. I went to a concert and saw a great band. The music was amazing and the performance was excellent. I enjoyed my night and would recommend it to others.

The first thing I noticed when I stepped out of the plane was the fresh air. It felt like a warm blanket after a long journey. The sun was shining brightly, and the birds were chirping happily. I took a deep breath and felt a sense of peace.

the death of the fish on that occasion, no further complaint has arisen.

Routine analyses of the effluent from the sewage works and the river at high and low tides have continued to be satisfactory.

GARELOCH.—Numerous complaints as to oil scum on the water were received during the war years. A nuisance did exist on many occasions, but neither the boarding of vessels, complaints to the Port Officer nor representations to the Admiralty have helped. The reduction in the number of ships now coming to the Clyde Anchorage has alleviated the position and it is to be hoped that enforcement of normal ship regulations by the competent authority will be insisted upon.

RIVER LUGGIE.—Following many difficulties, it is a pleasure to record that since 1943 pollution of this river by coal gum has been reduced to negligible proportions. The condition of the Bothlyn, Board Burn and Park Burn has also continued to be reasonably satisfactory.

## DRAINAGE AND SEWAGE PURIFICATION AND DISPOSAL.

A summary of the work done under this heading will be found in the report by the County Engineer, which is appended.

## NUISANCES.

In 1942 a nuisance arose on the Back Road, Clynder, as the result of work of which the County Council officials had not had prior knowledge. Sewers were cut and the roadway consequently was bathed in sewage. While repairs were effected as speedily as possible, strong representations as to the gross lack of co-operation by the Service Department concerned with the County Council officials were made by Dr. Lauder Thomson.

St. Germain's Loch, Bearsden, came under review in 1943, when complaint was received that the water was stagnant and a breeding place for mosquitoes. Chemical analysis showed a high dissolved oxygen capacity. A considerable



growth of algae was present. Because of drought and depletion of the normal surface water, the complaint of a "musty" smell was well-founded. A return to normal rainfall sufficed to remedy the condition.

### OFFENSIVE TRADES

There are no offensive trades carried on in the County.

### PRIVATE STREETS.

In February, 1941, the condition of the footpath on the north side of Argyll Street, Alexandria, was such as to warrant the recommendation that action be taken to have it dealt with under Section 39 of the Public Health (Scotland) Act, 1897. The necessary repairs were made.

### RAT CAMPAIGN.

A continuous campaign against rats has been carried on throughout the war years and the results obtained may be considered satisfactory.

### B.—HOUSING AND TOWN PLANNING.

DEFECTIVE OR UNINHABITABLE HOUSES.—During the five years 1941-1945, 25 representations, affecting 40 houses, were made under Section 16 (1) of the Housing (Scotland) Act, 1930. The following are details of the properties involved.

#### BONHILL.

Situation of Property.	No. of Houses.	Apartments.			
		1	2	3	4
311 Main Street, Bonhill,	- 2	2	—	—	— (ul)
10 Hill Street, Alexandria,	- 1	—	1	—	—
117 Hillbank Street, Bonhill,	- 1	1	—	—	—
183 Main Street, Bonhill,	- 1	—	1	—	—
257 Main Street, Bonhill,	- 1	—	1	—	—
1 Campbell Street, Bonhill,	1	—	1	—	—
16/18 Gray Street, Alexandria,	1	—	1	—	—
65 Main Street, Alexandria,	1	—	1	—	—
6 Dalvait Road, Balloch,	- 1	1	—	—	—
23 Alexander Street, Alexandria, - - -	- 1	—	—	1	—
		11	4	6	1 —

## RENTON.

Situation of Property.	No. of Houses.	Apartments.			
		1	2	3	4
47 Back Street, Renton,	- 1	—	1	—	— (u)
4 Burn Street, Renton,	- 1	—	1	—	— (u)
133 Back Street, Renton,	- 1	1	—	—	— (u)
135 Back Street, Renton,	- 1	1	—	—	—
South Carman Cottage, Renton,	- 1	—	—	1	— (u)
123 Back Street, Renton,	- 1	1	—	—	—
33 Back Street, Renton,	- 1	1	—	—	—
	7	4	2	1	—

## CARDROSS.

Situation of Property.	No. of Houses.	Apartments.			
		1	2	3	4
Brooks Road Cottages, Cardross,	- 1	1	—	—	— (u)
	1	1	—	—	—

## KILMARONOCK.

Situation of Property.	No. of Houses.	Apartments.			
		1	2	3	4
Little Blairlusk Farm House, Kilmaronock,	- 1	—	—	1	—
	1	—	—	1	—

## DUNTOCHER.

Situation of Property.	No. of Houses.	Apartments.			
		1	2	3	4
47/54 William Street, Duntocher,	- 14	3	10	1	—
	14	3	10	1	—

## CUMBERNAULD.

Situation of Property.	No. of Houses.	Apartments.			
		1	2	3	4
Kirkgate Cottage, Condorrat,	- 2	—	—	—	2
Wyndford Stables, Castlecary,	- 4	1	3	—	— (u3)
	6	1	3	—	2
Total for all areas,	- 40	13	21	4	2 (u9)

Note.—Entries in parenthesis indicate number of unoccupied houses.

Of the 40 houses represented against, 22 were the subjects of Demolition Orders and 17 of Closing Orders, while in one



case an Undertaking was accepted. Nine of the houses were unoccupied when represented against.

Undertakings were later accepted for houses at 47 Back Street, Renton; 311 Main Street, Bonhill; and 117 Hillbank Street, Bonhill, and the Closing Orders on these houses were subsequently determined.

The Committee granted sanction for the use of the following uninhabitable properties as stores: Littlemill (Back Land), Bowling; Barnhill, Main Street, Cumbernauld; and 23 Alexander Street, Alexandria.

#### NOTES FROM THE COUNTY ARCHITECT REGARDING HOUSING SCHEMES.

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

DUNTOCHER.—102 of the 104 houses planned for the Duntiglennan Scheme were completed by August, 1942. This Scheme suffered serious air-raid damage.

CORDALE, RENTON (SECOND DEVELOPMENT).—92 Houses. These houses were completed sporadically and were all ready for occupancy by August, 1943. An allocation of 40 of the houses was made to the Admiralty.

BALLOCH.—The proposed scheme of 190 houses was not proceeded with, the ground being given over for the erection of a hostel.

WAR DAMAGE.—In all 62 County Council houses were destroyed and many hundreds damaged.

WAR-TIME DEVELOPMENTS (1943 Programme).—50 houses of a permanent type were allocated by the Department of Health to the County: Duntocher, 18; Old Kilpatrick, 16; and Cordale, Renton, 16. All these houses were occupied by September, 1945. The 1944 Programme contained an allocation of a further 50 houses with the same distribution. By the end of 1945 none of these houses were completed.

#### HOUSING (RURAL WORKERS) ACTS.

During the five years 1941-1945 six applications were made under these Acts. Six houses were involved and grants totalling £600 were approved.



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		0.56	5.39	3.10	2.65	2.81	1.64	4.01	7.96	2.90	8.10	8.32	5.42	53.61
Rhu, Filter House, ..	John Black, Water Superintendent,	8 1 0	350		0.59	6.49	3.38	2.91	2.92	1.03	3.49	6.66	2.39	6.52	7.27	4.31	47.86
Valve House, Luss Rd., Helensburgh, ..	Jas. N. Stirling, Burgh Surveyor,	8 1 0	293		1.85 13	5.27 17	3.28 14	2.67 15	3.48 15	1.23 9	3.58 21	5.73 21	1.85 12	6.14 17	5.29 23	3.79 21	43.56 198
Estate Office, Rosneath, ..	Shena S. McKwan,	..	..		0.49 8	3.27 14	2.49 14	2.35 15	2.56 12	1.10 9	2.88 14	3.17 19	0.5 8	3.28 18	5.48 19	4.26 20	31.38 170
Glen Finlas, ..	George Beaton, Water Superintendent,	..	..		1.04 5	6.98 15	3.18 14	3.41 16	3.90 14	2.33 11	5.19 21	8.49 24	3.66 11	8.93 17	6.34 20	5.54 21	58.99 189
Renton Filters, ..	William Buchanan, Water Superintendent,	8 4 0	292		0.79 9	4.17 16	2.68 12	1.81 12	3.51 14	1.09 7	3.30 15	5.57 20	2.13 10	5.70 16	4.63 19	3.52 18	38.90 168
Garshake, ..	William Wilson, Burgh Engineer, Do.	8 1 0	235		0.90	4.46	2.78	1.66	3.40	0.78	3.00	4.44	1.73	5.42	3.73	3.16	35.46
Loch Humphrey, ..	Do.	8 1 0	1052		0.92	4.60	2.62	1.96	4.24	0.95	4.05	5.09	2.34	5.86	4.32	3.36	40.31
Cochno Filters, ..	E. T. Collins, Water Superintendent,	5 1 0	400		1.04 4	3.57 13	3.02 14	1.66 12	4.31 13	1.32 7	3.30 14	5.03 18	1.83 6	5.19 16	3.23 19	2.25 17	35.75 153
Cochno Loch, ..	Do.	5 1 0	909		Frozen	5.89	3.17	2.25	4.46	1.62	4.75	6.22	2.68	6.60	4.18	4.02	45.84
Jaw Reservoir, ..	Do.	5 1 0	912		Frozen	6.62	2.99	1.94	4.74	1.76	4.79	6.48	2.57	7.24	4.01	4.32	47.47
Greenside Reservoir, ..	Do.	5 1 0	875		1.82	6.00	3.66	2.65	3.78	1.43	4.37	5.72	2.82	6.44	4.62	3.65	41.17
Mugdock Reservoir, ..	Engineer and Manager, Corporation of Glasgow,	..	320		0.90	4.45	3.05	1.90	3.85	1.25	3.60	5.85	1.95	5.50	3.60	3.50	39.40
Mean Rainfall (Scotland), ..	Meteorological Reports,	..	..		1.63 12	3.41 17	2.53 14	1.62 14	2.80 12	.91 8	3.20 17	3.97 20	1.28 9	3.94 16	3.23 19	1.72 14	30.24 172



TABLE II.—RAINFALL DURING 1942.

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.														
Whistlefield, Clear Water Tank, ..	Neil M'Kellar, Water Superintendent,	8	1 0	342	ft.	7 70	0 88	5 32	4 00	4 27	3 42	6 72	8 24	10 26	10 86	1 89	9 21	72 77
Rhu, Filter House, ..	John Black, Water Superintendent,	8	1 0	350		7 02	0 63	5 01	3 28	3 77	3 13	5 00	7 67	7 68	8 70	1 63	8 54	62 06
Valve House, Luss Rd., Helensburgh,	Jas. N. Stirling, Burgh Surveyor,	8	1 0	293	{ Rain in inches, { Days on which rain fell,	7 44 22	1 60 9	5 33 22	2 29 10	3 28 16	2 93 13	3 58 19	5 83 20	5 98 23	7 04 25	1 33 12	7 66 27	55 18 218
Glen Finlas, ..	George Beaton, Water Superintendent,	..	..	..	{ Rain in inches, { Days on which rain fell,	8 46 12	2 77 7	4 24 16	3 84 12	4 14 16	3 38 16	6 06 20	12 27 23	11 70 25	13 23 24	2 31 13	12 61 27	85 01 211
Renton Filters ..	William Buchanan, Water Superintendent,	8	4 0	292	{ Rain in inches, { Days on which rain fell,	5 43 18	2 35 9	3 65 21	2 46 10	3 38 15	1 97 10	4 31 18	5 49 23	5 79 23	7 11 22	1 46 7	6 58 24	49 98 200
Garshake, ..	William Wilson, Burgh Engineer, Do.	8	1 0	235	Rain in inches,	4 99	1 94	2 93	2 59	3 00	1 95	3 00	4 73	5 18	5 39	0 85	7 23	44 01
Loch Humphrey,	Burgh Engineer, Do.	8	1 0	1052	Rain in inches,	5 46	2 16	3 29	4 31	3 18	2 26	3 88	6 11	7 14	7 11	0 95	6 73	52 53
Main Sewage Stn., Dumbarton, ..	Do.	5	1 0	11	{ Rain in inches, { Days on which rain fell,	5 74 16	2 13 7	3 23 18	2 53 9	2 97 13	1 79 10	2 88 15	5 41 22	5 55 22	5 69 23	1 01 4	6 95 20	45 88 179
Cochno Filters, ..	E. T. Collins, Water Superintendent,	5	1 0	400	{ Rain in inches, { Days on which rain fell,	4 55 14	2 40 6	3 52 15	2 87 9	2 65 10	2 67 11	2 92 18	5 08 22	5 43 24	6 36 28	0 81 7	4 67 23	43 93 182
Cochno Loch, ..	Do.	5	1 0	909	Rain in inches,	1 85	frozen	10 00	3 47	4 26	2 55	4 57	7 78	7 49	10 11	1 42	6 18	59 68
Jaw Reservoir,	Do.	5	1 0	912	Rain in inches,	1 57	frozen	9 79	3 43	4 26	2 43	4 31	7 45	7 51	11 21	1 43	6 43	59 82
Greenside Reservoir, ..	Do.	5	1 0	875	Rain in inches,	5 06	5 55	4 04	8 61	4 42	2 42	4 33	6 96	6 12	7 51	1 28	5 93	58 18
Mugdock Reservoir, ..	Engineer and Manager, Corporation of Glasgow,	..	..	320	Rain in inches,	7 25	1 96	3 60	3 40	3 15	2 10	2 85	6 00	6 36	7 60	0 85	5 55	50 65
Mean Rainfall Scotland	Meteorological Reports	..	..	..	{ Rain in inches, { Days on which rain fell,	5 16 19	1 56 11	1 98 16	1 94 9	2 81 14	1 39 9	2 73 19	3 54 20	3 86 19	3 93 20	70 9	3 87 21	33 47 186



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.													
Whistlefield, Clear Water Tank, ..	Neil M'Kellar, Water Superintendent,	8	1	0	ft. 342	7.88	4.41	5.29	4.66	5.34	3.47	10.43	7.00	15.11	3.74	4.05	78.55
Rhu, Filter House, ..	John Black, Water Superintendent,	8	1	0	350	6.09	3.42	4.41	4.20	4.66	3.54	9.59	6.05	13.23	2.62	3.47	66.37
Valve House, Luss Rd., Helensburgh,	Jas. N. Stirling, Burgh Surveyor,	8	1	0	293	5.33	6.12	3.93	4.37	3.52	3.40	9.58	3.87	10.02	3.17	3.21	60.99
Glen Finlas, ..	George Beaton, Water Superintendent,	..	..	..	..	7.55	9.24	4.44	7.52	5.38	4.97	13.91	7.40	18.18	6.66	5.16	97.56
		..	..	..	..	23	25	17	22	17	21	28	19	23	17	17	246
Renton Filters, ..	William Buchanan, Water Superintendent,	8	4	0	292	5.85	5.20	3.35	4.21	3.62	2.45	8.10	3.84	8.67	3.19	2.89	55.40
		..	..	..	..	23	24	15	16	14	17	29	20	22	16	16	231
Garshake, ..	William Wilson, Burgh Engineer	8	1	0	235	6.75	4.71	2.54	3.05	2.81	1.93	8.18	3.32	8.90	3.13	2.30	51.60
Loch Humphrey, ..	Do.	8	1	0	1052	5.39	4.55	3.16	4.28	3.52	2.44	9.29	3.49	9.31	3.49	2.07	56.16
Main Sewage Stn., Dumbarton, ..	Do.	5	1	0	11	6.32	4.94	3.41	3.29	3.63	2.22	7.70	3.36	8.32	2.69	2.60	51.58
		..	..	..	..	23	20	12	15	15	11	24	17	19	15	14	201
Cochno Filters, ..	E. T. Collins, Water Superintendent,	5	1	0	400	5.49	4.18	2.27	3.66	3.50	2.44	6.57	2.81	9.05	2.55	1.70	48.26
		..	..	..	..	23	22	15	16	14	14	25	18	22	17	15	222
Cochno Loch, ..	Do.	5	1	0	909	6.71	5.51	4.01	5.35	4.05	2.75	7.89	4.99	11.34	4.04	2.74	65.18
Jaw Reservoir, ..	Do.	5	1	0	912	No record	3.67	1.18	3.20	3.63	3.55	3.93	6.43	6.09	7.70	9.06	53.05
Greenside Reservoir, ..	Do.	5	1	0	875	5.46	2.18	1.64	3.61	3.71	3.89	2.98	5.58	5.63	7.58	8.08	54.08
Mugdock Reservoir, ..	Engineer and Manager, Corporation of Glasgow,	..	..	..	320	5.65	5.60	3.20	4.40	3.95	2.60	7.40	3.50	9.70	3.25	2.50	56.45
Mean Rainfall (Scotland) ..	Meteorological Reports,	..	..	..	..	3.88	3.26	1.80	2.19	3.62	2.43	5.14	2.64	5.44	1.94	1.86	36.90
		..	..	..	..	21	16	12	15	16	13	23	17	19	17	14	201



TABLE IV.—RAINFALL DURING 1944.

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,	9.40	2.78	1.90	4.03	4.70	5.62	4.71	4.98	6.35	6.25	11.40	7.60	69.72
Rhu, Filter House, ..	John Black, Water Superintendent,	8 1 0	350	Rain in inches,	7.39	2.48	1.11	3.50	4.21	5.01	4.44	4.24	5.21	5.33	8.21	6.62	57.75
Valve House, Luss Rd., Helensburgh,	Jas. N. Stirling, Burgh Surveyor,	8 1 0	293	{ Rain in inches, { Days on which rain fell,	8.00 28	2.54 15	1.52 12	3.62 21	4.04 19	4.21 22	5.20 17	3.84 20	5.01 18	5.24 24	8.23 23	5.90 23	57.35 242
Glen Finlas, ..	George Beaton, Water Superintendent,	.. ..	..	{ Rain in inches, { Days on which rain fell,	10.97 28	4.27 15	1.57 13	4.64 20	6.73 14	7.91 19	6.15 17	5.05 17	7.66 17	8.14 21	10.36 23	7.98 23	81.43 227
Renton Filters, ..	James Collier, Water Superintendent,	8 4 0	292	{ Rain in inches, { Days on which rain fell,	6.45 26	1.94 14	1.26 10	2.63 19	3.20 17	3.59 22	3.24 16	3.48 16	5.01 16	4.94 23	7.80 23	6.83 19	49.96 221
Garshake, ..	William Wilson, Burgh Engineer,	8 1 0	235	Rain in inches,	5.45	1.77	0.84	3.08	2.95	2.89	3.11	2.87	4.36	4.99	7.63	5.63	45.57
Loch Humphrey,	Do.	8 1 0	1052	Rain in inches,	5.62	1.94	1.06	3.62	3.15	3.62	4.47	3.79	6.13	5.64	7.07	6.15	52.26
Main Sewage Stn., Dumbarton, ..	Do.	5 1 0	11	{ Rain in inches, { Days on which rain fell,	4.67 22	1.36 9	0.92 6	3.25 16	2.48 13	3.34 17	3.65 19	2.22 18	6.10 22	5.04 22	6.49 23	5.30 19	44.83 206
Cochno Filters, ..	E. T. Collins, Water Superintendent,	5 1 0	400	{ Rain in inches, { Days on which rain fell,	4.53 22	1.76 10	0.74 8	3.07 18	3.36 15	3.73 20	3.38 16	2.99 16	5.41 17	4.84 17	6.38 21	7.42 19	47.61 199
Cochno Loch, ..	Do.	5 1 0	909	Rain in inches,	7.54	2.81	1.30	3.65	4.18	4.93	3.83	3.53	6.16	5.97	7.24	8.58	59.72
Jaw Reservoir, ..	Do.	5 1 0	912	Rain in inches,	No record	3.67	1.18	3.20	3.63	4.61	3.55	3.93	6.43	6.09	7.70	9.06	53.05
Greenside Reservoir, ..	Do.	5 1 0	875	Rain in inches,	5.46	2.18	1.64	3.61	3.71	3.89	3.74	2.98	5.68	5.63	7.58	8.08	54.08
Mugdock Reservoir, ..	Engineer and Manager, Corporation of Glasgow,	.. ..	320	Rain in inches,	7.55	3.20	0.80	3.20	3.95	4.35	3.45	3.25	5.20	6.25	7.65	6.50	54.35
Mean Rainfall (Scotland), ..	Meteorological Reports,	.. ..	..	{ Rain in inches, { Days on which rain fell,	3.45 20	1.24 13	.65 9	2.50 16	2.72 16	3.02 19	3.06 16	2.72 16	3.88 17	4.08 19	5.93 21	3.03 18	36.88 199



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 McKellar, Water Superintendent,	8 1 0	342		6.16	11.77	5.39	4.01	4.72	6.02	6.76	2.18	7.38	7.47	0.82	8.08	71.36
Rhu, Filter House, ..	John Black, Water Superintendent,	8 1 0	350		5.01	7.72	3.21	4.46	5.33	4.82	6.06	2.20	7.81	6.35	0.65	6.30	59.92
Valve House, Luss Rd., Helensburgh,	A. Duncan Romisch, Burgh Surveyor,	8 1 0	293		4.92	8.49	4.09	2.63	4.94	4.63	4.73	2.69	6.38	6.67	0.84	5.90	56.91
Glen Finlas, ..	George Beaton, Water Superintendent,	.. ..	..		5.31	13.26	6.88	3.38	6.52	7.44	6.53	3.04	10.42	8.88	1.23	6.74	79.63
Renton Filters, ..	James Collier, Water Superintendent,	8 4 0	292		3.59	7.43	3.40	2.15	3.85	3.93	4.58	2.08	5.33	5.12	0.63	4.81	47.20
Garshake, ..	William Wilson, Burgh Engineer,	8 1 0	235		2.96	7.86	2.50	3.35	4.16	2.96	4.76	1.82	5.08	5.13	0.54	4.94	46.06
Loch Humphrey,	Do.	8 1 0	1052		2.79	8.10	3.05	3.47	4.75	3.26	6.03	2.31	6.38	6.55	1.07	4.40	52.16
Main Sewage Stn., Dumbarton, ..	Do.	5 1 0	11		2.00	7.80	3.27	2.17	4.27	3.67	4.61	1.61	4.95	5.44	0.20	4.56	44.55
Cochno Filters, ..	E. T. Collins, Water Superintendent,	5 1 0	400		2.77	7.75	3.67	2.35	4.64	3.68	3.77	2.70	5.60	5.92	0.69	4.09	47.68
Cochno Loch, ..	Do.	5 1 0	909		8	26	17	10	22	19	15	10	19	18	13	18	195
Jaw Reservoir, ..	Do.	5 1 0	912		3.00	8.49	3.78	3.60	5.00	4.30	4.53	2.58	7.30	7.84	1.06	4.69	56.17
Greenside Reservoir, ..	Do.	5 1 0	875		3.00	8.24	3.54	3.47	5.11	3.75	4.41	2.53	7.46	7.46	0.92	4.84	54.73
Mugdock Reservoir, ..	Engineer and Manager, Corporation of Glasgow,	.. ..	320		3.53	8.33	3.56	2.52	5.50	4.97	3.94	2.59	6.48	7.12	0.88	4.12	53.54
Mean Rainfall (Scotland), ..	Meteorological Reports,	.. ..	..		3.53	4.41	2.09	1.59	4.20	3.11	3.25	2.48	4.04	4.99	.61	3.53	37.83
					16	22	15	13	20	19	15	11	16	16	12	18	193



### C.—FOOD SUPPLY.

Details of the work done in the supervision of food supplies are contained in the reports by the County Sanitary Inspectors.

### D.—MEDICAL SERVICES.

#### MATERNITY SERVICE AND CHILD WELFARE.

The services provided under the County's Maternity and Child Welfare Services Scheme have been maintained and expanded during the war years. The Scheme of Arrangements for the Provision of Midwife and Medical Services to Women within their own homes, referred to in the Annual Report for 1940, came into operation on 1st July, 1943, and a Maternity Services Home Help Scheme was commenced in January, 1944. Details of the work done under these Schemes are contained in the tabular statement below.

The specially constructed Child Welfare Clinic at Duntocher, and the Church Hall, in which the Old Kilpatrick Clinic was held, were both destroyed during the air raids of March, 1941. The work was subsequently carried on in the First-aid Posts in the villages. Later the Hall of Duntocher West Church was obtained and was in use at the end of 1945. With the closing of Old Kilpatrick First-aid Post on 18th December, 1945, the village was left without a clinic and suitable accommodation had not been found by the end of the year.

In March, 1944, the County Council purchased Braeholm, Helensburgh, for conversion into a Maternity Hospital. By the end of 1945 a start had not been made with the alteration of the premises.

The Board of Health in their circular of 27th December, 1929, set out the principal details of work done under the Scheme to be reported on in annual reports, and the form then established has been used since. The following section has been adapted to preserve the complete records.



Information required by Appendix to Board of Health's  
Circular, dated 27th December, 1929.

	1941	1942	1943	1944	1945
<b>1. BIRTHS.—</b>					
(a) Number Registered :—					
Legitimate, .. .. .	1155	1035	1018	1061	870
Illegitimate, .. .. .	38	45	65	46	49
(b) Number Notified :—					
Born within the County, .. .. .	1179	1048	1057	1107	890
Transferred in (not included in "C"), .. .. .	503	520	594	680	538
(c) Number attended by Doctor only, .. .. .	359	252	190	104	88
" " Midwife only, .. .. .	497	333	302	209	136
" " both Doctor and Midwife, .. .. .	323	463	565	770	666
Number not attended by either Doctor or Midwife, .. .. .	...	...	...	...	...
(d) Number of still-births :—					
Occurring within the County, .. .. .	8	33	32	30	31
Transferred in, .. .. .	9	34	37	32	24
<b>2. INFANTILE MORTALITY.—</b>					
(a) Number of Deaths, .. .. .	118	88	37	93	96
(b) Rate per 1000 births, .. .. .	76	58	53	53	63
(c) Number of deaths and rates per 1000 births classified according to age-groups and causes of death (see Tables 8-12 on pages 28-32.), .. .. .	..	...	...	...	...
<b>3. MATERNAL MORTALITY.—</b>					
(a) Number of deaths resulting from miscarriage or childbirth, .. .. .	1	3	6	2	3
(b) Number of deaths resulting from puerperal sepsis, .. .. .	2	3	2	2	1
<b>4. REPORT UNDER MIDWIVES (SCOTLAND) ACT, 1915.—</b>					
<i>Number of Midwives in Practice.—</i>					
Total number of Midwives practising in area, .. .. .	20	21	28	30	32
Number qualified by examination, .. .. .	18	19	27	29	32
<i>Births in District.—</i>					
Total births registered, .. .. .	1231	1113	1083	1107	919
Actual number attended by Midwives, .. .. .	415	333	302	*211	136
Total deaths of new-born children, .. .. .	19	19	34	22	26
Deaths of new-born children—Midwives' cases, .. .. .	7	4	5	5	6
Births not attended by Doctor or Midwife, .. .. .	..	..	...	...	...
<i>Cases of Ophthalmia Neonatorum.—</i>					
Total number of cases, .. .. .	2	6	4	8	6
Cases occurring in the practice of Midwives, .. .. .	...	4	...	2	1
Cases where birth not attended by Doctor or Midwife, .. .. .	...	...	...	...	...
<i>Cases of Puerperal Sepsis.—</i>					
Total number of cases, .. .. .	7	16	9	9	8
Total number of deaths, .. .. .	3	3	...	2	...
Cases occurring in the practice of Midwives, .. .. .	...	4	1	1	...
Deaths occurring in the practice of Midwives, .. .. .	...	...	...	...	...
<i>Cases of Puerperal Pyrexia.—</i>					
Total number of cases, .. .. .	9	8	13	10	15
Total number of deaths, .. .. .	...	...	...	...	1
Cases occurring in the practice of Midwives, .. .. .	2	..	1	...	...
<i>Cases of Still-birth (Dead-born).—</i>					
Total number of cases, .. .. .	34	33	25	30	31
Cases occurring in the practice of Midwives, .. .. .	7	14	9	3	1



*Cases of Emergency—*

The total number of Cases of Emergency in which Medical Practitioners have been called in under Section 22 of the Midwives (Scotland) Act, 1915—

	1941	1942	1943	1944	1945
ABORTION.— .. .. .	3	6	1	1	...
PREGNANCY COMPLICATED BY:—					
Ante-partum Haemorrhage, .. .. .	1	2	1	2	1
Albuminuria, .. .. .	...	3	...	...	...
Varicose Veins, .. .. .	1	...	2	...	...
Hysteria, .. .. .	1	...	...	...	...
Suspected Twins, .. .. .	...	...	...	...	1
DELIVERY COMPLICATED BY:—					
Contracted Pelvis, .. .. .	1	1	1	...	...
Eclamptic Fits, .. .. .	...	...	...	2	...
Placenta Praevia, .. .. .	2	2	...	...	...
Prolonged Labour, .. .. .	20	10	14	1	...
Premature Labour, .. .. .	3	...	...	...	...
Early Rupture of Membranes, .. .. .	...	...	1	1	1
Occipital Posterior Position, .. .. .	3	...	1	...	1
Transverse Presentation, .. .. .	...	1	...	...	...
Breech Presentation, .. .. .	4	4	3	...	...
Brow Presentation, .. .. .	1	...	1	...	...
Hand Presentation, .. .. .	1	...	...	...	...
Face Presentation, .. .. .	1	...	...	...	...
Foot Presentation, .. .. .	1	...	...	...	...
Head, Hand and Foot Presenting, .. .. .	...	...	1	...	...
Presentation difficult to determine, .. .. .	1	1	...	...	...
Uterine Inertia, .. .. .	5	1	4	4	2
Oedema of Cervix, .. .. .	...	...	...	...	1
Prolapsed Cord, .. .. .	3	2	...	...	...
Perineal Tear, .. .. .	24	17	23	8	10
Adherent Placenta, .. .. .	4	1	2	1	...
Post-partum Haemorrhage, .. .. .	2	1	2	1	...
PUERPERIUM COMPLICATED BY:—					
Pain in Renal Area, .. .. .	1	...	...	...	...
Rise in Temperature, .. .. .	5	1	...	1	...
Weakness, .. .. .	1	1	...	...	1
Phlebitis, .. .. .	1	...	...	...	...
Phlegmasia Alba Dolens, .. .. .	...	...	...	1	...
Inflammation of Eye, .. .. .	1	...	...	...	...
Abscess on Leg, .. .. .	1	...	...	...	...
Pain in Ankle and Hips, .. .. .	...	...	...	1	...
Painful Micturition, .. .. .	...	1	...	...	...
CONDITION OF CHILD.—					
Still-birth, .. .. .	7	5	2	1	...
Prematurity, .. .. .	6	3	1	1	...
Green Motions, .. .. .	1	1	...	...	...
Convulsions, .. .. .	1	...	...	...	...
Foetal Distress, .. .. .	1	...	...	...	...
Cyst of Vulva, .. .. .	1	...	...	...	...
Haemorrhage from Vulva, .. .. .	...	1	...	...	...
Discharging Umbilicus, .. .. .	...	1	...	...	...
Talipes, .. .. .	2	1	...	...	...
Asphyxia, .. .. .	3	...	...	...	...
Feebleness, .. .. .	...	2	1	...	...
Spina Bifida, .. .. .	2	...	...	...	...
Vomiting, .. .. .	...	1	1	...	...
Jaundice, .. .. .	...	...	1	...	...
Inflammation of Eyes, .. .. .	2	1	...	...	...
Discharging Eyes, .. .. .	...	...	...	3	1
Ophthalmia Neonatorum, .. .. .	...	...	...	1	...
Meningocele, .. .. .	...	...	1	...	...
Gland of Throat, .. .. .	...	1	...	...	...
Hare Lip, .. .. .	...	1	...	...	...
Displaced Collar Bone, .. .. .	...	...	...	1	...
Macerated Foetus, .. .. .	...	...	1	...	...
Abnormal Child, .. .. .	...	1	...	...	...
Secondary Anuria and Pylorospasm, .. .. .	...	...	...	1	...
Eczema of Scrotum, .. .. .	...	...	...	...	1
Total, ..	118	74	65	32	20



## 5. HOME VISITATION—

	1941	1942	1943	1944	1945
<b>NUMBER VISITED—</b>					
Infants, - - - -	1346	1401	1525	1382	1317
Children (1 to 5 years), - -	5048	5016	5017	5481	6706
Expectant Mothers, - -	519	742	590	256	184
<b>Total, -</b>	<b>6913</b>	<b>7159</b>	<b>7132</b>	<b>7119</b>	<b>8207</b>
<b>TOTAL VISITS—</b>					
Infants, - - - -	9023	8280	8324	8145	7982
Children (1 to 5 years), - -	9714	8578	7920	6971	7883
Expectant Mothers, - -	1663	1927	1600	814	536
<b>Total Visits, -</b>	<b>20,400</b>	<b>18,785</b>	<b>17,844</b>	<b>15,921</b>	<b>16,401</b>

## 6. VOLUNTARY HEALTH VISITORS' REPORT—

There are no 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. 6, 7, and 13.

## 10. SPECIAL TREATMENT CENTRES—

By arrangement with the Education Committee the undernoted pre-school children and expectant mothers were referred to the School Clinics for treatment—

	1941	1942	1943	1944	1945
<b>Pre-School Children—</b>					
Number referred to Dental Clinics, ... ..	87	54	24	35	31
Number referred to Tonsil and Adenoid Clinics, ... ..	41	89	42	59	77
Number referred to Eye Clinics, ... ..	16	23	12	15	27
<b>Expectant Mothers—Dental Treatment—</b>					
Number of cases in which treatment sanctioned, ... ..	29	25	29	21	15
Number of cases in which dentures sanctioned, ... ..	34	24	30	23	17
Cases in which treatment sanctioned in year prior to dentures, ... ..	26	15	11	9	7
Cost of dentures, ... ..	1941, £36 12s. 2d.; 1942 £55 10s. 5d.; 1943, £80 19s. 3d.; 1944, £64 2s. 9d.; 1945, £53 3s. 0d.				

**Ultra-Violet Light Treatment—**

As a result of enemy action accurate figures are not available for the work done under this heading but every child found to require treatment was provided for if at all possible.

## 11. DAY NURSERIES, KINDERGARTENS, AND PLAY CENTRES—

The Day Nursery at Helensburgh, which had been carried on by the County Council since it was taken over from the Town Council of the Burgh of Helensburgh in 1929, was taken over by the Department of Health as a War-Time Nursery as at 15th January, 1943. Details will be found under the heading War-Time Nurseries.



TABLE VI.—HOME VISITATION.

PARTICULARS.	COUNTY TOTALS.				
	Year 1941	Year 1942.	Year 1943.	Year 1944.	Year 1945.
Number of Births intimated to Health Visitors during year, . . . . .	1478	1499	1698	1702	1455
Number of First Visits :—					
To Children under 1 year, . . . . .	1346	1401	1525	1382	1317
To Children from 1 to 5 years, . . . . .	190	277	204	188	802
To Expectant Mothers, . . . . .	519	742	590	256	184
	2055	2420	2319	1826	2303
Number of Revisits :—					
To Children under 1 year, . . . . .	7677	6879	6799	6763	6665
To Children from 1 to 5 years, . . . . .	9524	8301	7716	6764	7081
To Expectant Mothers, . . . . .	1144	1185	1010	568	362
	18,345	16,365	15,525	14,095	14,098
Number of Visits to Midwives, . . . . .	2	1	4	...	3
Number of Visits of Special Inquiry, . . . . .	143	268	333	205	182
Number of Visits to Tuberculous Cases, . . . . .	201	158	105	259	259
Total Visits, . . . . .	20,746	19,212	18,286	16,386	16,795

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

PARTICULARS.	COUNTY TOTALS.				
	Year 1941.	Year 1942.	Year 1943.	Year 1944.	Year 1945.
Number of Clinics held— Health Visitor only attending, - Doctor and Health Visitor attending, -	29 498	94 546	86 500	139 534	119 487
Ante-Natal Consultations— Number attending, - - - Total attendances, - - -	480 1395	408 1384	409 1484	378 903	209 572
Referred to pre-natal Wards, - Referred to Family Doctor, - Treated at Clinic, - - -	39 4 188	12 2 116	10 ... 178	13 3 269	13 20 50
Post-Natal or other Consultations, -	552	420	364	323	264
Child Welfare Consultations— First Attendances— Under 1 year, - - - Over 1 year, - - - Total Attendances— Under 1 year, - - - Over 1 year, - - -	811 307 - 4882 3195	910 298 - 6740 3018	827 273 - 5884 2892	934 268 - 7158 2337	1060 334 - 7574 2733
Total number of Children attending Clinic during year, - - -	2089	1863	2003	2076	2190



## COUNTY OF DUNBARTON.

TABLE VIII.—MATERNITY SERVICE AND CHILD WELFARE, 1941.

## 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, - - -	...	...	...	...	2	...	2	1·29
Scarlet Fever, - - -	...	...	...	...	...	...	...	...
Whooping-cough, - - -	...	...	...	...	3	2	5	3·23
Diphtheria, - - -	...	...	...	...	...	...	...	...
Cerebro-Spinal Menin- gitis, - - -	...	...	...	...	...	...	...	...
Erysipelas, - - -	...	...	...	...	...	...	...	...
Dysentery, - - -	...	...	...	...	...	...	...	...
Tuberculous Meningitis, Other Tuberculous Dis- eases, - - -	...	...	...	...	...	3	3	1·93
Meningitis (not Tuber- culous), - - -	...	...	...	...	1	...	1	·65
Hydrocephalus, - - -	...	...	...	...	1	1	2	1·29
Convulsions, - - -	2	1	3	2	1	...	6	3·87
Pneumonia (all forms), -	...	...	...	6	5	5	16	10·33
Bronchitis, - - -	...	...	...	3	...	1	4	2·58
Diarrhoea and Enteritis, Other Digestive Diseases,	...	2	2	3	3	2	10	6·46
Congenital Malforma- tions, - - -	2	3	5	5	...	1	11	7·10
Congenital Heart, - - -	...	2	2	1	1	1	5	3·23
Premature Birth, - - -	22	3	25	1	...	...	26	16·79
Atrophy, Debility, and Marasmus, - - -	1	1	2	...	1	...	3	1·93
Atelectasis, - - -	1	1	2	...	...	...	2	1·29
Injury at Birth, - - -	1	1	2	...	...	...	2	1·29
Suffocation, overlaying, Syphilis, - - -	...	...	...	...	1	...	1	·65
Rickets, - - -	...	...	...	...	...	...	...	...
All other causes, - - -	7	1	8	3	2	3	16	10·33
Total, - - -	36	15	51	24	22	21	118	76·18

NOTE.—Although the total number of infant deaths agrees with that of the Registrar General, the actual totals are not quite the same. This is due solely to the fact that general practitioners in signing death certificates are apt to put two or more causes of death, each of which might be fatal. In selecting the most likely cause of death for statistical purposes the Registrar General has probably selected one cause and I have selected another.



## COUNTY OF DUNBARTON.

TABLE IX.—MATERNITY SERVICE AND CHILD WELFARE, 1942.

## 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, - - -	...	...	...	...	1	...	1	·66
Scarlet Fever, - - -	...	...	...	...	...	...	...	...
Whooping-cough, - - -	...	...	...	...	1	...	1	·66
Diphtheria, - - -	...	...	...	...	...	...	...	...
Cerebro-Spinal Menin- gitis, - - -	...	...	...	...	...	...	...	...
Erysipelas, - - -	...	...	...	...	...	...	...	...
Dysentery, - - -	...	...	...	...	...	...	...	...
Tuberculous Meningitis, Other Tuberculous Dis- eases, - - -	...	...	...	...	...	1	1	·66
Meningitis (not Tuber- culous), - - -	...	...	...	...	...	...	...	...
Hydrocephalus, - - -	...	...	...	...	...	...	...	...
Convulsions, - - -	...	...	...	...	1	...	1	·66
Pneumonia (all forms), -	...	1	1	3	5	2	11	7·30
Bronchitis, - - -	...	...	...	1	1	1	3	1·99
Diarrhoea and Enteritis, Other Digestive Diseases,	...	1	1	3	4	1	9	5·98
Congenital Malforma- tions, - - -	...	...	...	...	...	...	...	...
Congenital Heart, - - -	1	2	3	1	...	...	4	2·66
Premature Birth, - - -	2	...	2	...	...	...	2	1·33
Atrophy, Debility, and Marasmus, - - -	23	5	28	2	...	...	30	19·92
Atelectasis, - - -	3	1	4	3	...	...	7	4·65
Injury at Birth, - - -	3	...	3	...	...	...	3	1·99
Suffocation, overlaying, Syphilis, - - -	1	...	1	...	...	...	1	·66
Rickets, - - -	...	...	...	...	...	...	...	...
All other causes, - - -	...	...	...	...	...	...	...	...
	...	...	...	...	2	3	13	8·63
Total, - - -	4	4	8	...	2	3	13	8·63
	37	14	51	13	15	9	88	58·41

NOTE.—Although the total number of infant deaths agrees with that of the Registrar General, the actual totals are not quite the same. This is due solely to the fact that general practitioners in signing death certificates are apt to put two or more causes of death, each of which might be fatal. In selecting the most likely cause of death for statistical purposes the Registrar General has probably selected one cause and I have selected another.



## COUNTY OF DUNBARTON.

TABLE X.—MATERNITY SERVICE AND CHILD WELFARE, 1943.

## 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, - - -	...	...	...	...	1	1	2	1·22
Scarlet Fever, - - -	...	...	...	...	...	...	...	...
Whooping-cough, - - -	...	...	...	...	...	2	2	1·22
Diphtheria, - - -	...	1	1	...	...	1	2	1·22
Cerebro-Spinal Menin- gitis, - - -	...	...	...	...	...	...	...	...
Erysipelas, - - -	...	...	...	...	...	...	...	...
Dysentery, - - -	...	...	...	...	...	...	...	...
Tuberculous Meningitis, Other Tuberculous Dis- eases, - - -	...	...	...	...	...	1	1	·61
Meningitis (not Tuber- culous), - - -	...	...	...	1	...	...	1	·61
Hydrocephalus, - - -	...	...	...	...	...	...	...	...
Convulsions, - - -	1	...	1	...	...	...	1	·61
Pneumonia (all forms),	1	...	1	6	7	3	17	10·36
Bronchitis, - - -	...	2	2	...	...	...	2	1·22
Diarrhoea and Enteritis,	...	...	...	2	1	1	4	2·44
Other Digestive Diseases,	...	...	...	...	...	1	1	·61
Congenital Malforma- tions, - - -	...	1	1	2	...	...	3	1·83
Congenital Heart, - - -	2	4	6	...	...	...	6	3·65
Premature Birth, - - -	18	2	20	2	...	...	22	13·41
Atrophy, Debility, and Marasmus, - - -	...	2	2	1	1	1	5	3·05
Atelectasis, - - -	2	...	2	...	...	...	2	1·22
Injury at Birth, - - -	5	1	6	...	...	...	6	3·65
Suffocation, overlaying,	...	...	...	...	...	...	...	...
Syphilis, - - -	...	...	...	...	...	...	...	...
Rickets, - - -	...	...	...	...	...	...	...	...
All other causes, - - -	3	...	3	2	4	1	10	6·09
Total, - - -	32	13	45	16	14	12	87	53·02

NOTE.—Although the total number of infant deaths agrees with that of the Registrar General, the actual totals are not quite the same. This is due solely to the fact that general practitioners in signing death certificates are apt to put two or more causes of death, each of which might be fatal. In selecting the most likely cause of death for statistical purposes the Registrar General has probably selected one cause and I have selected another.



## COUNTY OF DUNBARTON.

TABLE XI.—MATERNITY SERVICE AND CHILD WELFARE, 1944.

## 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	1·14
Diphtheria, - - -	...	...	...	...	1	2	3	1·71
Cerebro-Spinal Menin- gitis, - - -	...	...	...	...	...	...	...	...
Erysipelas, - - -	...	...	...	...	...	...	...	...
Dysentery, - - -	...	...	...	...	...	1	1	·57
Tuberculous Meningitis, Other Tuberculous Dis- eases, - - -	...	...	...	...	...	...	...	...
Meningitis (not Tuber- culous), - - -	...	...	...	...	1	...	1	·57
Hydrocephalus, - - -	...	...	...	...	...	1	1	·57
Convulsions, - - -	...	...	...	...	1	...	1	·57
Pneumonia (all forms), -	...	4	4	1	6	4	15	8·54
Bronchitis, - - -	...	1	1	1	...	...	2	1·14
Diarrhoea and Enteritis, Other Digestive Diseases,	...	5	5	3	3	...	11	6·27
Congenital Malforma- tions, - - -	...	...	...	...	...	1	1	·57
Congenital Heart, - - -	2	1	3	2	...	1	6	3·42
Premature Birth, - - -	...	1	1	...	...	1	2	1·14
Atrophy, Debility, and Marasmus, - - -	20	7	27	...	...	...	27	15·34
Atelectasis, - - -	6	...	6	1	...	...	7	3·99
Injury at Birth, - - -	3	...	3	...	...	...	3	1·71
Suffocation, overlaying, Syphilis, - - -	1	...	1	...	...	...	1	·57
Rickets, - - -	...	...	...	...	...	...	...	...
All other causes, - - -	...	...	...	...	...	...	...	...
	1	3	4	3	2	...	9	5·13
Total, - - -	33	22	55	11	16	11	93	52·95

NOTE.—Although the total number of infant deaths agrees with that of the Registrar General, the actual totals are not quite the same. This is due solely to the fact that general practitioners in signing death certificates are apt to put two or more causes of death, each of which might be fatal. In selecting the most likely cause of death for statistical purposes the Registrar General has probably selected one cause and I have selected another.



## COUNTY OF DUNBARTON.

TABLE XII.—MATERNITY SERVICE AND CHILD WELFARE, 1945.

## 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, - - -	...	...	...	1	1	1	3	1·98
Diphtheria, - - -	...	...	...	...	...	...	...	...
Cerebro-Spinal Menin- gitis, - - -	...	...	...	...	...	...	...	...
Erysipelas, - - -	...	...	...	...	...	...	...	...
Dysentery, - - -	...	...	...	...	...	...	...	...
Tuberculous Meningitis, Other Tuberculous Dis- eases, - - -	...	...	...	...	...	2	2	1·32
Meningitis (not Tuber- culous), - - -	...	1	1	...	...	...	1	·66
Hydrocephalus, - - -	...	...	...	...	1	...	1	·66
Convulsions, - - -	...	...	...	3	...	1	4	2·63
Pneumonia (all forms), - - -	...	2	2	3	3	2	10	6·59
Bronchitis, - - -	...	...	...	1	...	1	2	1·32
Diarrhoea and Enteritis, Other Digestive Diseases, - - -	...	1	1	6	3	...	10	6·59
Congenital Malforma- tions, - - -	2	..	2	3	...	...	5	3·29
Congenital Heart, - - -	1	...	1	1	...	...	2	1·32
Premature Birth, - - -	20	5	25	3	...	1	29	19·11
Atrophy, Debility, and Marasmus, - - -	3	1	4	1	1	...	6	3·85
Atelectasis, - - -	2	...	2	...	...	...	2	1·32
Injury at Birth, - - -	1	...	1	...	...	...	1	·66
Suffocation, overlaying, Syphilis, - - -	1	...	1	...	...	...	1	·66
Rickets, - - -	...	...	...	...	...	...	...	...
All other causes, - - -	7	1	8	2	5	2	17	11·20
Total, - - -	37	11	48	24	14	10	96	63·16

NOTE.—Although the total number of infant deaths agrees with that of the Registrar General, the actual totals are not quite the same. This is due solely to the fact that general practitioners in signing death certificates are apt to put two or more causes of death, each of which might be fatal. In selecting the most likely cause of death for statistical purposes the Registrar General has probably selected one cause and I have selected another.

TABLE XIII.—DISEASES RECORDED ON CHILD WELFARE CLINIC CARDS

DISEASES.	COUNTY TOTALS.				
	1941.	1942.	1943.	1944.	1945.
<b>GENERAL CONDITIONS:</b>					
General Debility, - - - - -	26	27	35	27	47
Malnutrition, - - - - -	..	..	2	2	..
Anæmia, - - - - -	2	1	1	..	6
Rickets, - - - - -	1	4	2	3	4
Snuffles, - - - - -	1	1	1	1	3
Jaundice, - - - - -	3	..	..	..	..
<b>NERVOUS DISEASES:</b>					
Chorea, - - - - -	..	..	1	..	..
Paresis of Face, - - - - -	1	..	..	..	..
Infantile Paralysis, - - - - -	1	1	1	..	..
<b>THROAT, NOSE, AND EAR CONDITIONS:</b>					
Tonsils and Adenoids, - - - - -	27	36	21	16	27
Tonsillitis, - - - - -	2	9	4	3	6
Tongue Tie, - - - - -	5	6	3	5	7
Otorrhœa, - - - - -	11	21	19	14	20
Other Ear Diseases, - - - - -	2	..	4	1	2
Other Nasal Conditions, - - - - -	10	6	9	11	8
<b>EYE DISEASES:</b>					
Ophthalmia Neonatorum, - - - - -	2	4	..	2	3
Conjunctivitis, - - - - -	13	15	21	17	18
Blepharitis, - - - - -	..	3	1	1	4
Squint, - - - - -	..	6	4	7	5
Sty, - - - - -	..	3	..	1	3
Other Eye Conditions, - - - - -	2	6	7	10	8
<b>RESPIRATORY DISEASES:</b>					
Bronchitis, - - - - -	35	26	40	34	56
Other Respiratory Diseases, - - - - -	35	27	57	38	47
<b>DENTAL CONDITIONS:</b>					
Dental Caries, - - - - -	19	10	2	10	12
Other Dental Conditions, - - - - -	7	17	20	9	16
<b>ALIMENTARY DISEASES:</b>					
Conditions relating to Feeding, - - - - -	48	74	62	77	120
Vomiting, - - - - -	8	22	13	13	17
Indigestion, - - - - -	3	2	5	2	4
Gastritis, - - - - -	3	..	..	1	..
Enteritis, - - - - -	5	9	7	13	23
Hernia, - - - - -	11	4	12	8	8
Threadworms, - - - - -	2	6	3	5	11
Diarrhœa, - - - - -	17	23	17	15	54
Constipation, - - - - -	25	23	14	26	18
Other Alimentary Conditions, - - - - -	3	16	9	6	27
<b>SKIN DISEASES:</b>					
Ringworm, - - - - -	..	3	..	..	2
Scabies, - - - - -	13	45	25	24	40
Impetigo, - - - - -	49	80	41	39	57
Eczema, - - - - -	12	13	10	6	15
Seborrhœa, - - - - -	1	3	1	3	2
Septic Sores, - - - - -	3	12	5	9	14
Septic Vaccination, - - - - -	..	1	1	2	7
Nettlerash, - - - - -	4	4	11	3	7
Other Skin Conditions, - - - - -	20	35	45	48	45
<b>OTHER CONDITIONS:</b>					
Injuries due to Accidents, - - - - -	2	6	6	10	7
Talipes, - - - - -	1	2	3	1	6
Phimosis, - - - - -	12	12	19	8	18
Conditions affecting Umbilicus, - - - - -	6	10	9	9	6
Mumps, - - - - -	1	..	..	..	..
Enlarged Glands, - - - - -	3	4	7	7	11
Abscesses, - - - - -	2	3	1	4	5
Backward Development, - - - - -	..	5	2	..	1
Sore Mouth, - - - - -	2	6	6	8	8
Deaf Mute, - - - - -	..	1	..	..	..
Congenital Conditions, - - - - -	..	..	..	..	8
Nocturnal Enuresis, - - - - -	2	5	1	7	6
Infectious Disease, - - - - -	4	..	..	..	..
Cystitis, - - - - -	..	2	1	..	..
Cleft Palate, - - - - -	1	1	..	1	..
Convulsions, - - - - -	1	1	..	..	2
Cardiac Disease, - - - - -	1	..	..	..	..
Boils, - - - - -	2	5	3	1	4
No Disease noted, - - - - -	25	38	114	133	146
Attendance for weighing only, - - - - -	432	763	887	964	1074



## 12. MEASLES—

(a) Notification is not in force.

(b) Number of deaths—

(i) From Measles, ... ..

(ii) From Sequelæ—

Whooping Cough and Pneumonia, ... ..

Pneumonia, ... ..

Bronchitis, ... ..

Bronchitis and Convulsions, ... ..

Croup, ... ..

Otitis Media, ... ..

Multiple Abscesses, ... ..

(c) Number of cases removed to hospital, ... ..

(d) and (e) No special arrangements made.

## 13. WHOOPING COUGH—

(a) Notification is not in force.

(b) Number of deaths—

(i) From Whooping Cough, ... ..

(ii) From Sequelæ—

Pneumonia, ... ..

Pneumonia and Convulsions, ... ..

Pneumonia and Cerebral Hæmorrhage, ... ..

Pneumonia and Acute Hæmolytic Anæmia, ... ..

Marasmus, ... ..

Convulsions, ... ..

(c) Number of cases removed to hospital, ... ..

(d) and (e) No special arrangements made.

## 14. OPHTHALMIA NEONATORUM—

(a) Number of cases notified—

(i) By doctor, ... ..

(ii) By midwife, ... ..

(iii) By institution, ... ..

(b) Number of cases in which infection was gonococcal, ... ..

(c) Number treated in residential institutions, ... ..

(d) Number of cases in which there was appreciable loss of vision, ... ..

## 15. MATERNITY HOSPITALS OR HOMES—

Under arrangements with the Royal Maternity Hospital, Glasgow, patients from the County were treated in the Ante-Natal Wards for the following causes—

Ante-partum Hæmorrhage, ... ..

Cæsarean Section, ... ..

Obstetrical Complications, ... ..

Hyperemesis, ... ..

Pyelitis, ... ..

Cardiac, ... ..

Albuminuria, ... ..

Contracted Pelvis, ... ..

Eclampsia, ... ..

High Blood Pressure, ... ..

Transverse Lie, ... ..

Breech, ... ..

Inevitable Abortion, ... ..

Incomplete Abortion, ... ..

Threatened Abortion, ... ..

Varicose Veins, ... ..

Œdema, ... ..

Dyspnœa, ... ..

Glycosuria, ... ..

Anæmia, ... ..

Debility, ... ..

Hemiplegia, ... ..

	1941	1942	1943	1944	1945
(i) From Measles, ... ..	...	1	...	...	...
(ii) From Sequelæ—					
Whooping Cough and Pneumonia, ... ..	1	...	...	...	...
Pneumonia, ... ..	1	1	4	...	...
Bronchitis, ... ..	1	...	...	...	...
Bronchitis and Convulsions, ... ..	1	...	...	...	...
Croup, ... ..	...	1	...	...	...
Otitis Media, ... ..	...	...	1	...	...
Multiple Abscesses, ... ..	...	...	1	...	...
(c) Number of cases removed to hospital, ... ..	11	15	16	5	6
(d) and (e) No special arrangements made.					
(i) From Whooping Cough, ... ..	2	...	...	2	2
(ii) From Sequelæ—					
Pneumonia, ... ..	5	1	4	1	2
Pneumonia and Convulsions, ... ..	2	...	...	...	2
Pneumonia and Cerebral Hæmorrhage, ... ..	...	1	1	...	...
Pneumonia and Acute Hæmolytic Anæmia, ... ..	...	...	...	...	...
Marasmus, ... ..	1	...	...	...	...
Convulsions, ... ..	1	...	...	1	...
(c) Number of cases removed to hospital, ... ..	3	1	...	8	1
(d) and (e) No special arrangements made.					
(i) By doctor, ... ..	2	2	4	6	5
(ii) By midwife, ... ..	...	3	...	2	1
(iii) By institution, ... ..	...	1	...	...	...
(b) Number of cases in which infection was gonococcal, ... ..	...	...	...	...	2
(c) Number treated in residential institutions, ... ..	2	3	3	6	5
(d) Number of cases in which there was appreciable loss of vision, ... ..	...	...	...	...	...
Ante-partum Hæmorrhage, ... ..	1	16	9	6	6
Cæsarean Section, ... ..	1	2	...	6	...
Obstetrical Complications, ... ..	15	...	...	...	...
Hyperemesis, ... ..	5	8	11	2	8
Pyelitis, ... ..	5	8	7	5	8
Cardiac, ... ..	3	...	4	10	9
Albuminuria, ... ..	8	3	7	4	10
Contracted Pelvis, ... ..	8	9	6	6	7
Eclampsia, ... ..	2	4	3	...	3
High Blood Pressure, ... ..	21	17	30	31	33
Transverse Lie, ... ..	1	2	...	2	1
Breech, ... ..	1	7	5	1	...
Inevitable Abortion, ... ..	7	15	2	...	...
Incomplete Abortion, ... ..	2	...	...	...	...
Threatened Abortion, ... ..	10	5	3	15	16
Varicose Veins, ... ..	1	...	...	...	2
Œdema, ... ..	2	3	2	4	5
Dyspnœa, ... ..	1	...	...	...	...
Glycosuria, ... ..	3	...	1	...	1
Anæmia, ... ..	2	...	2	...	1
Debility, ... ..	2	...	2	1	1
Hemiplegia, ... ..	1	...	...	...	...



Ante-Natal Ward Cases—*continued*

	1941	1942	1943	1944	1945
Phlebitis, ... ..	1	...	...	1	1
False Labour, ... ..	1	...	...	5	2
Bad Obstetrical History, ... ..	1	...	...	1	3
Placenta Prævia, ... ..	1	4	...	3	...
Gastritis, ... ..	1	...	...	...	...
Premature Rupture of Membranes, ... ..	1	...	...	...	...
Hydramnios, ... ..	...	4	1	2	...
For Investigation and X-ray, ... ..	...	2	...	...	4
Threatened Miscarriage, ... ..	...	11	2	...	2
Fibroids, ... ..	...	1	1	3	1
Rickets, ... ..	...	1	...	1	...
Bartholinitis, ... ..	...	1	...	...	...
Bartholin Cyst, ... ..	...	1	...	...	...
Pernicious Vomiting, ... ..	...	1	...	...	...
Post Maturity, ... ..	...	...	3	...	...
Acetone in Urine, ... ..	...	...	1	...	...
Nephritis, ... ..	...	...	1	...	...
Hyperthyroidism, ... ..	...	...	1	...	...
Mastitis, ... ..	...	...	1	1	...
Neuritis, ... ..	...	...	1	...	...
Mitral Stenosis, ... ..	...	...	1	...	...
Scabies, ... ..	...	...	2	1	1
Late Vomiting, ... ..	...	...	...	2	...
Chorea, ... ..	...	...	...	1	...
Prolapse of Cervix, ... ..	...	...	...	1	...
Breast Abscess, ... ..	...	...	...	1	...
Vaginal Discharge, ... ..	...	...	...	1	...
Vaginal Laceration, ... ..	...	...	...	...	1
Hydatidiform Mole, ... ..	...	...	...	...	1
Breathlessness, ... ..	...	...	...	...	1
Twin Pregnancy, ... ..	...	...	...	...	1
	108	125	109	117	129

## 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—

The number of children from the County who received treatment at the Biggart Memorial Home, Prestwick, by arrangement with the Glasgow Poor Children's Fresh-Air Fortnight and Crippled Children's League is shown below.

Since the opening of Cardross Park Home as a Sick Bay in September, 1941, ailing children have been sent there for care, under the County's Child Welfare Scheme. The numbers dealt with are shown below.

Total number of children in residence during each year—

	1941	1942	1943	1944	1945
In Biggart Memorial Home, ... ..	16	8	4	1	...
In Cardross Park Home, ... ..	2	26	22	25	32
Totals, ... ..	18	34	26	26	32

## 19 and 20. BOARDING-OUT AND HOME HELPS—

There are no arrangements under the scheme for boarding-out children, but in several cases of exceptional hardship children were cared for in Cardross Park Home during their mothers' confinements.

A Maternity Services Home Help Scheme was commenced in January, 1945, when three full-time Home Helps were engaged. The Home Helps assisted in only eighteen households where confinements had taken place during 1945, but at the end of that year bookings indicated that the public had awakened to the benefits of the scheme. The work of the Home Helps has received many expressions of appreciation.

## 21. EDUCATIONAL—

No special classes, lectures, or demonstrations were held in the County during the years under review.

## 22. AGENCIES—

There are no other agencies associated with the scheme.



## 23. PUERPERAL FEVER AND PUERPERAL PYREXIA—

	1941	1942	1943	1944	1945
(1) Total number of cases (corrected figures as finally diagnosed)—					
(a) Puerperal Fever, ... ..	7	16	9	9	8
(b) Puerperal Pyrexia, ... ..	9	8	13	10	15
(2) Total number of cases removed to Infectious Diseases Hospital—					
(a) Puerperal Fever, ... ..	7	16	8	9	8
(b) Puerperal Pyrexia, ... ..	6	8	12	9	14
(3) Total number of deaths, ... ..	3	3	...	2	1
(4) Number of cases following instrumental delivery—					
(a) Puerperal Fever, ... ..	1	3	1	1	2
(b) Puerperal Pyrexia, ... ..	2	2	2	1	1
(5) Number of deaths occurring in cases included Under No. 4, ... ..	...	1	...	1	...
(6) Number of cases where the Local Authority provided assistance on the request of medical practitioners for—					
(a) Consultant service, ... ..	...	1	1	4	8
(b) Bacteriological examinations, ... ..	...	...	...	...	...
(c) Skilled nursing at home, ... ..	...	...	...	...	...
(d) Hospital treatment, ... ..	13	24	20	18	22

## 24. OTHER PROVISIONS—

*Notification of Births (Extension) Act, 1915.*—The scheme for the provision of skilled assistance at confinement, instituted in 1917 under the powers conferred by the above Act, fell into disuetude with the coming into operation of the scheme under the Maternity Services (Scotland) Act, 1937. During 1941 the number of applications received was 44. Of these 35 were granted and 9 refused. County Council midwives attended at 24 of the confinements. During 1942 there were 13 applications of which 12 were granted and 1 refused. County Council midwives attended 5 cases. Five applications were received in 1943 before the new scheme had commenced and all were granted.

*Maternity Services (Scotland) Act, 1937.*—The County Council scheme of arrangements for the Provision of Midwife and Medical Services to Women within their Own Homes, in accordance with the above Act, came into operation as from 1st July, 1943. The benefits of the scheme are available in every area of the County with the exception of the villages of Duntocher and Hardgate where no doctor has accepted service under the scheme. The scheme has continued to gain popularity as is shown by the progressive increase in bookings: 191 in 1943, 485 in 1944, and 526 in 1945.

## CHILD LIFE PROTECTION.

CHILDREN AND YOUNG PERSONS (SCOTLAND) ACTS, 1908 TO 1937,  
AND ADOPTION OF CHILDREN (REGULATION) ACT, 1939.

The Adoption of Children (Regulation) Act, 1939, came into operation on 1st June, 1943, and as the preamble states is—"An Act to regulate the making of arrangements by adoption societies and other persons in connection with the adoption of children; to provide for the supervision of adopted children by welfare authorities in certain cases; to restrict the making and receipt of payments in connection with the adoption of children; . . ." For the "Supervision of adopted children by Welfare Authorities in certain cases" the machinery in being under Section I of the Children and Young Persons (Scotland) Act, 1937, is available. In con-



nection with the commencement of the Act the following intimation was made through the medium of the newspapers circulating within the County :—

ADOPTION OF CHILDREN (REGULATION) ACT, 1939.

THE ATTENTION OF ALL PERSONS concerned is drawn to the provisions of the above Act which came into force on 1st June, 1943.

On and after that date it is not lawful for any body of persons to make any arrangements for the adoption of a child unless that body is a Registered Adoption Society or a Local Authority.

It is still open to individuals to make arrangements for adoptions, but if a third party participates in arrangements for placing a child under nine years in the care and possession of a person who is not the child's parent or guardian, or a near relative, and who undertakes the maintenance of the child without reward, the third party must give notice to the Town Council or County Council for the area in which the child is to be placed not less than seven days before possession is taken. If the child is to be placed within the County of Dunbarton (excluding the Burghs of Clydebank and Dumbarton) said notice should be sent to Dr. T. Lauder Thomson, County Medical Officer, 88 College Street, Dumbarton (who will supply a form of notice on request).

It is an offence for any advertisement to be published indicating that the parent or guardian of a child is desirous of causing the child to be adopted or that a person is desirous of adopting a child, or that a person other than a Registered Adoption Society or a Local Authority is willing to make arrangements for the adoption of a child.

It is not lawful for any person (not being a Local Authority) who makes arrangements for the adoption of a child to receive or agree to receive or to make or agree to make any payment or reward whatsoever in connection with the making of the arrangements except with the sanction of the Court.

A register of persons desiring their children to be adopted and of persons desiring to adopt children will be maintained by Mr. George Macleod, District Council Offices, Roman Road, Bearsden, and inquiries may be made direct or through any of the local District Council Offices.

ARCHD. A. TEMPLETON, County Clerk.

County Buildings, Dumbarton,  
2nd September, 1943.

From the joint annual return required in connection with these two Acts, which is printed below, it will be seen that at 15th May, 1945, there were only 7 children within the County being nursed and maintained for reward in terms of the Children and Young Persons Act, while no notices of reception of children under Section 7 (3) of the Adoption of Children (Regulation) Act have been received. There have been no prosecutions and no applications for registration as "registered adoption societies." The following is the Return referred to :—



# RETURNS FOR YEARS ENDING 15TH MAY, 1941, TO 15TH MAY, 1945.

## CHILDREN AND YOUNG PERSONS (SCOTLAND) ACT, 1937.

### 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 Life Protection Register at 15th May of previous year, ... ..

Notices received in terms of Section (1) of the Act, ...

Notices received from guardians on removal to the area of the Council from the area of another Authority, ...

*Note.*—The totals of questions (4) and (13) should be the same.

Total, ... ..

Notices received under Section 1 (5) of the Act—

Of deaths of children, ... ..

Of removals of children, ... ..

Removals under Section 5 of the Act of children improperly kept, ... ..

Children otherwise removed from Register—

(a) On attaining age of nine years, ... ..

(b) On appointment of legal guardian, ... ..

(c) On guardians' removal from area of Council, ... ..

(d) For other reasons, ... ..

Children on Register at 15th May of current year, ...

Total, ... ..

### CHILD PROTECTION VISITORS.

*Women Visitors*—

Number appointed, ... ..

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

*Men Visitors*—

Number appointed, ... ..

Number who are also Public Assistance Officers, ... ..

Total number of visits paid during year by Child Protection Visitors to Children on Register, ... ..

Qualification of Women Visitors who are not Health Visitors, ... ..

*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, ... ..

Number of guardians each keeping—

3 children for reward, ... ..

4 children for reward, ... ..

5 or more children for reward, ... ..

### PROSECUTIONS.

For all offences under Part I of the Act, ... ..

Of which for offences under Section 1 (6) of the Act, ... ..

## ADOPTION OF CHILDREN (REGULATION) ACT, 1939.

The yearly returns made under this Act have so far consisted entirely of "nil" returns.

## INFECTIOUS DISEASE.

It is interesting to note that, contrary to general expectation, there was no serious increase in the number of cases of infectious diseases coming to the knowledge of the Public Health Department during the war years. The principal diseases followed more or less the normal fluctuations of pre-war years. The following table shows the number of cases notified :—

DISEASE.	1941	1942	1943	1944	1945
Cerebro-Spinal Fever, ...	22	22	16	13	26
Chickenpox, ...	...	...	...	5	1
Continued Fever, ...	...	...	...	2	1
Diphtheria, ...	324	184	246	231	188
Dysentery, ...	23	50	219	143	36
Encephalitis Lethargica, ...	...	1	...	2	...
Erysipelas, ...	38	39	37	37	33
Jaundice, Acute Infective, ...	1	1	...	...	...
Malaria, ...	...	...	...	5	3
Measles, ...	...	...	...	18	11
Ophthalmia Neonatorum, ...	2	6	4	8	6
Pneumonia, Acute Influenzal, ...	48	8	34	23	12
Pneumonia, Acute Primary, ...	228	195	228	228	15
Poliomyelitis, Acute, ...	5	...	...	6	...
Puerperal Fever, ...	7	17	9	9	8
Puerperal Pyrexia, ...	9	8	13	10	15
Scarlet Fever, ...	171	242	253	224	355
Smallpox, ...	...	3	...	...	...
Tuberculosis—Pulmonary, ...	66	77	77	96	84
Tuberculosis—Non-Pulmonary, ...	28	30	31	30	28
Typhoid Fever, ...	...	3	1	...	...
Para-Typhoid A, ...	...	...	...	...	...
Para-Typhoid B, ...	18	...	...	...	...
Typhoid Fever, ...	...	...	...	...	...
Whooping Cough, ...	...	...	...	4	2
Total, ...	990	836	1168	1104	944
Cases removed to hospital, ...	747	649	901	828	761

INFECTIOUS DISEASE AT DAIRY FARMS.—During the years under review 16 cases were notified; 11 in 1941; 4 in 1942; none in 1943 and 1944; and 1 in 1945. The diseases were diphtheria, 5; scarlet fever, 1; enteric, 4; cerebro-spinal fever, 2; primary pneumonia, 2; and measles, 2. All patients, except 1 cerebro-spinal fever, were removed to hospital for treatment. No epidemic due to a milk supply has occurred during the period under review.



# INFECTIOUS DISEASE IN CHILDREN'S HOMES, HOSPITALS, &c.

—In the course of the five years 219 cases were intimated from institutions. The following is the distribution:—

Blairvaddick Children's Home.—Total intimated 125.

Diphtheria, 41; dysentery, 52; scarlet fever, 4; cerebro-spinal fever, 2; pneumonia, 26. With the exception of 1 case of dysentery and 24 of pneumonia, all the patients were removed to hospital.

Woodilee.—Total intimated 38. Diphtheria, 1; dysentery, 27; smallpox, 2; erysipelas, 5; pneumonia, 3. All cases were removed to hospital.

Bellcairn Children's Home.—Total intimated 16. Scarlet fever, 4; pneumonia, 2; measles, 10. All removed to hospital.

Hillfoot Holiday Home.—Total intimated 15. Dysentery, 10, nursed in the home; scarlet fever, 5, removed to hospital.

Other Homes, Hospitals, &c.—Total intimated 25. Diphtheria, 13; scarlet fever, 2; pneumonia, 2; measles, 4; erysipelas, 2; enteric fever, 1; puerperal pyrexia, 1. All of these cases were treated in hospital.

Thirty-nine cases were removed from Rest Centres and Evacuation Hostels to hospital. The diseases were: Diphtheria, 21; dysentery, 1; scarlet fever, 5; pneumonia, 6; chickenpox, 4; erysipelas, 1; measles, 1.

Military encampments or barracks had 32 cases removed to hospital: 19, diphtheria; 3, scarlet fever; 4, cerebro-spinal fever; 2, pneumonia; 1, erysipelas; 1, chickenpox; and 2, mumps.

One case of scarlet fever and 1 pneumonia were removed to hospital from the Sick Bay administered by the County Council at Cardross Park Home.

CLOSURE OF SCHOOLS.—It was not found necessary to close any of the schools on account of infectious disease during the five years.

SMALLPOX HOSPITAL ACCOMMODATION.—There has been no new development in connection with the provision of a hospital

for this disease. Three cases which were discovered within the County during the outbreak in Glasgow in 1942 were nursed in the hospital set apart by the City of Glasgow for the outbreak.

**VACCINATION.**—The number of declarations of conscientious objections to vaccination received by the registrars throughout the County has fallen from 763 in 1938 when there were 1367 births to 360 in 1945 with 1520 births.

### TUBERCULOSIS.

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.

The following abstract shows the new cases, transfers in, deaths, transfers out, and cases struck off during the years 1941 to 1945:—

CASES NOTIFIED DURING THE YEAR—			1941	1942	1943	1944	1945
Pulmonary Tuberculosis	Males, ...	...	30	36	39	50	40
	Females, ...	...	36	41	38	46	44
Non-Pulmonary Tuberculosis	Males, ...	...	17	8	15	24	10
	Females, ...	...	11	22	16	16	18
Total, ...			94	107	108	136	112
CASES TRANSFERRED FROM OTHER AREAS—							
Pulmonary Tuberculosis	Males, ...	...	6	15	15	9	15
	Females, ...	...	8	10	8	5	5
Non-Pulmonary Tuberculosis	Males, ...	...	4	7	9	1	1
	Females, ...	...	6	7	4	1	1
Total, ...			24	39	36	16	22
CASES FOUND IN DEATH RETURNS—							
Pulmonary Tuberculosis	Males, ...	...	5	1	4	3	4
	Females, ...	...	2	1	3	5	1
Non-Pulmonary Tuberculosis	Males, ...	...	6	3	2	2	1
	Females, ...	...	2	2	4	2	1
Total, ...			15	7	13	12	7
CASES RETURNED TO REGISTER AND STILL ON REGISTER AT 31ST DECEMBER, 1945—							
Pulmonary Tuberculosis	Males, ...	...	...	2	2	...	1
	Females, ...	...	...	1	...	...	1
Non-Pulmonary Tuberculosis	Males, ...	...	1	1	...	...	...
	Females, ...	...	...	...	...	...	...
Total, ...			1	4	2	...	2
Total number of cases which came to the notice of the Medical Officer during the years 1941-1945,			133	153	157	164	141



NUMBER OF PATIENTS WHO DIED DURING THE YEAR  
INCLUDING DEATHS TRANSFERRED IN AND OUT—

		1941	1942	1943	1944	1945
Pulmonary Tuberculosis	{ Males, ...	24	27	33	30	31
	{ Females, ...	27	24	24	25	19
Non-Pulmonary Tuberculosis	{ Males, ...	9	7	6	8	8
	{ Females, ...	3	9	10	7	5
Total, ...		63	67	73	70	63

NUMBER OF PATIENTS TRANSFERRED TO OTHER AREAS—

Pulmonary Tuberculosis	{ Males, ...	6	9	10	4	9
	{ Females, ...	6	8	11	8	8
Non-Pulmonary Tuberculosis	{ Males, ...	...	2	5	3	1
	{ Females, ...	7	4	...	1	2
Total, ...		19	23	26	16	20

NUMBER OF PATIENTS STRUCK OFF REGISTER—

Pulmonary Tuberculosis	{ Males, ...	1	3	2	...	6
	{ Females, ...	5	...	...	1	2
Non-Pulmonary Tuberculosis	{ Males, ...	6	7	9	2	3
	{ Females, ...	3	2	6	4	8
Total, ...		15	12	17	7	19

NUMBER OF PATIENTS ON ROLL AT END OF YEAR—

Pulmonary Tuberculosis	{ Males, ...	175	191	196	214	249
	{ Females, ...	117	140	153	175	199
Non-Pulmonary Tuberculosis	{ Males, ...	159	160	158	172	178
	{ Females, ...	149	166	170	174	183
Total, ...		600	657	677	735	809

It will be noticed that the total number of patients on the register at 31st December, 1945, is 809 as against 563 at the same date in 1940.

The following tables show the age groups at date of notification:—

PULMONARY

		1941	1942	1943	1944	1945
Under 5 years ...	{ Males	...	...	...	1	...
	{ Females	...	...	...	1	2
5—10 „ ...	{ Males	...	1	1	...	1
	{ Females	2	...	...	2	...
10—15 „ ...	{ Males	...	1	1	...	1
	{ Females	...	1	1	...	2
15—25 „ ...	{ Males	7	10	7	12	6
	{ Females	16	15	21	20	24
25—35 „ ...	{ Males	10	4	8	9	8
	{ Females	5	11	10	10	8
35—45 „ ...	{ Males	3	9	8	5	10
	{ Females	5	7	2	6	6
45—65 „ ...	{ Males	9	10	12	20	12
	{ Females	5	4	3	7	2
Over 65 „ ...	{ Males	1	1	2	3	2
	{ Females	3	3	1	...	...
Total ... ..		66	77	77	96	84

## NON-PULMONARY

				1941	1942	1943	1944	1945
Under 5 years ...	...	{ Males		7	3	2	6	...
		{ Females		2	3	2	2	5
5—10	„	{ Males		3	1	6	4	3
	...	{ Females		1	4	3	4	4
10—15	„	{ Males		...	...	3	2	1
	...	{ Females		...	4	2	1	1
15—25	„	{ Males		5	...	2	6	3
	...	{ Females		4	5	7	4	5
25—35	„	{ Males		1	...	2	4	...
	...	{ Females		3	3	1	2	1
35—45	„	{ Males		1	3	...	2	...
	...	{ Females		1	2	1	1	1
45—65	„	{ Males		...	...	...	...	1
	...	{ Females		...	...	...	1	...
Over 55	„	{ Males		...	1	...	...	2
	...	{ Females		...	1	...	1	1
Total ...				28	30	31	40	28

Comparison of the above tables with pre-war figures reveals that in the County the most marked increase in incidence during the war years was in the pulmonary age groups 35-45 and 45-65.

*Sanatorium Treatment.*—Considerable difficulty was experienced in providing sanatorium accommodation during the years under review. The admissions for each year are shown below:—

Year.	Normal Residents.	Evacuees not previously notified.	Evacuees previously notified in own area.
1941	60	8	7
1942,	75	12	—
1943,	82	—	—
1944,	109	—	—
1945,	95	—	—

The number of patients in Sanatoria at 31st December each year was—

Year.	
1941,	57
1942,	83
1943,	85
1944,	85
1945,	88



*Domiciliary Treatment.*—In so far as it was possible the provision of extra nourishment in the form of milk has been maintained for those patients who required this form of dietary aid. Unfortunately at the commencement of egg rationing the Ministry of Food did not include tuberculous persons in the priority class for eggs. The cost of this treatment for each of the five years has been approximately—

Year.	Cost.		
1941, - - -	£365	5	6
1942, - - -	270	14	9
1943, - - -	209	17	8
1944, - - -	211	9	6
1945, - - -	271	18	2

*Drugs.*—The prescribing of necessary drugs and dressings for home cases is mainly done by the family doctor. The yearly cost has been as under—

Year.	Cost.		
1941, - - -	£44	12	2
1942, - - -	31	12	3
1943, - - -	52	10	0
1944, - - -	46	5	1
1945, - - -	58	1	3

*Dispensary Treatment.*—Despite difficulties of staffing and air-raid damage to premises, clinics have been kept in operation throughout the period under review.

*Pneumothorax Treatment.*—No changes were made in the arrangements for this treatment.

*X-Ray Examinations.*—X-Ray examinations have increased from 121 examinations in 1935 to 220 in 1938 and 688 in 1945. The undernoted table shows the work done during the years 1941 to 1945—

				1941	1942	1943	1944	1945
PULMONARY—								
Number positive	...	...		58	99	158	158	185
Number negative	...	...		252	342	491	452	467
Total	...	...		310	441	649	610	652
NON-PULMONARY—								
Number positive	...	...		19	7	4	5	10
Number Negative	...	...		28	29	38	13	26
Total	...	...		47	36	42	18	36



*Maintenance Allowances Scheme.*—A scheme for the payment of maintenance allowances to certain tuberculous patients was adopted by the County Council in July, 1943. The scheme is designed to give effect to the national provisions for the diagnosis, treatment and rehabilitation in suitable employment of persons suffering from tuberculosis of such a nature or degree as to make them suitable for inclusion in it.

The first allowance was paid for the week ending 9th October, 1943, and by the end of that year 6 persons had received allowances amounting to £39 13s. 9d. During 1944 the total amount paid was £912 19s. 1d. and the number of recipients was 33. In 1945 the number on the register increased to 49 and the payments for the year totalled £1647 6s. Grants have ranged from about 10s. to £3 10s. per week and the majority average between £1 10s. and £2 per week.

In order to assist in the rehabilitation of patients, the necessary contact is maintained with the Employment Exchanges in the area. Intimation is made when a patient is fit to resume work, and an indication given as to any limitation of capacity which has resulted from the illness.

### TREATMENT OF VENEREAL DISEASES.

The arrangements for the treatment of patients suffering from venereal diseases have continued to be ample and satisfactory during the years under review. Details of numbers treated in hospitals and clinics; bacteriological examinations; and approximate annual cost of the scheme are given in tabular form below. It is of interest to note, however, that in the course of the five years three general practitioners obtained supplies for the treatment of patients at home, 50 doses being supplied at a cost of £9 16s. and 8 patients were provided with travelling warrants at a total cost of £15 15s. 9d.

Under Regulation 33B, which came into operation in January, 1943, 25 notices of suspected sources of infection were received by the end of 1945. One person was named on 4 notices, one on 3, and 2 persons were each mentioned on 2 notices. Where necessary the required action was taken by the Medical Officer.



The following is the table referred to above:—

	1941	1942	1943	1944	1945
<b>IN-PATIENTS—</b>					
Number of new admissions - -	5	1	4	3	3
Number of In-patient days - -	392	91	479	418	311
<b>OUT-PATIENTS—</b>					
Number of new cases - - -	77	101	128	102	145
Number of Out-patient attendances	1497	1816	2456	2538	2666
<b>BACTERIOLOGICAL EXAMINATIONS DONE AT EMERGENCY LABORATORY...</b>					
Cerebro-Spinal Fluids - - -	1	—	1	1	—
Bloods - - - - -	81	76	67	48	51
<b>APPROXIMATE TOTAL ANNUAL COST OF SCHEME - - - - -</b>					
	£652	£225	£890	£1662	£1044

Comparison of the average number of patients and patient-days as shown above with the last complete five years before the war reveal the following results:—

In-patients—	1934-38.	1941-45.
Average number of new admissions, -	3	3.2
Average number of in-patient days, -	205	338
Out-patients—		
Average number of new cases, - -	77	111
Average number of out-patient attendances, - - - -	2384	2195

These figures would appear to confirm the expected increase in venereal diseases arising from war conditions. It is, however, interesting to note that the number of out-patient attendances has fallen very considerably and an explanation of this fact may be found in modern methods of treatment.

### MEDICAL TREATMENT OF THE SICK POOR.

There were no changes in the arrangements for the medical treatment of the sick poor since last report, but the following changes in personnel fall to be noted. In Rosneath Parish Dr. John H. Hamilton resigned on 31st October, 1942, and was succeeded by Dr. David Hamilton, who commenced duty on 1st November, 1942. In the Milngavie portion of New Kilpatrick Parish Dr. R. J. Leslie Fraser resigned on 31st

March, 1943, and his place was taken by Dr. Bryce Teggart on 1st April, 1943. Dr. A. G. Badenoch, Medical Officer in the Parish of Rhu, resigned on 30th November, 1943, and was followed by Dr. D. M. M'Intyre, who took over the duties on 1st December, 1943. On 15th October, 1944, Dr. Samuel Rutherford resigned the post of Medical Officer for the Parish of Arrochar, and on 16th October his successor, Dr. William Birnie, commenced.

The following table contains the figures for the five years 1941-1945, which were formerly given to the Department of Health on Health Services Form 8:—

		1941	1942	1943	1944	1945
(a) Persons who received outdoor medical relief in the Council's area.	Males,	480	411	365	373	370
	Females,	533	390	460	468	414
	Children,	161	106	112	118	135
	Total	1174	907	937	959	919
(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.	Males,	58	104	100	43	52
	Females,	31	40	42	22	32
	Children,	12	14	21	9	9
	Total	101	158	163	74	93
(2) other, including voluntary, institutions.	Males,	25	21	19	22	15
	Females,	11	13	11	12	9
	Children,	12	8	11	17	15
	Total	48	42	41	51	39
Total Males,		563	536	484	438	437
,, Females,		575	443	513	502	455
,, Children,		185	128	144	144	159
, Treated,		1323	1107	1141	1084	1051

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.



## WAR-TIME NURSERIES.

Two War-time Nurseries were established in the County and did much useful work. On 25th January, 1943, the Creche at 101 West King Street, Helensburgh, was recognised as a War-time Nursery and was conducted as such throughout the war. It provided accommodation for 24 children and had an average daily attendance of 22. A specially fitted nursery was erected at Ferryfield, Bank Street, Alexandria, and was opened to receive children on 15th February, 1943. This nursery had accommodation for 40 children and the average daily attendance was 24. Both nurseries are affiliated to the National Society of Children's Nurseries and were approved as Training Schools. At the end of 1945 they were still being financed by the Department of Health and administered by the County Council. There can be no doubt that these children's nurseries fulfilled a most useful function and benefited the war effort, the war workers, and the children who were cared for in the nurseries.

## HOSPITAL AND AMBULANCE FACILITIES.

### INFECTIOUS DISEASES HOSPITALS.

War conditions have occasioned considerable difficulties in the administration of the Infectious Diseases Hospitals within the County. Shortage of staff, both nursing and domestic, has become progressively worse and has resulted in the closing of wards in Lennox and Duntocher Hospitals and the refusal of cases in Helensburgh Hospital. The consequent removal of patients to hospitals distant from their home areas has caused much inconvenience and some annoyance but, on the whole, has been accepted as a minor part of the prevalent major ills.

In March, 1941, Duntocher Hospital was damaged by enemy action and the patients were dispersed through the other hospitals. This accounts for the low admission figures for the years 1941, 1942, and 1943 for Duntocher Hospital.

The detailed tables of admissions to the individual hospitals, showing male and female patients by age groups, have been

omitted from this report. The following composite table, showing the totals of the various infections treated in the Local Authority hospitals has been substituted and the statistics usually given in the return formerly made to the Department of Health are included as in previous years—

ADMISSIONS TO LENNOX, DUNTOCHER, DUMBARTON, AND HELENSBURGH HOSPITALS DURING THE YEARS 1941, 1942, 1943, 1944, AND 1945.

	1941	1942	1943	1944	1945
Cerebro-Spinal Fever—					
Recovered, ... ..	28	18	6	6	7
Remaining, ... ..	1	1	—	—	1
Died, ... ..	5	7	1	5	1
Chickenpox—					
Recovered, ... ..	8	2	2	3	1
Diphtheria—					
Recovered, ... ..	494	132	250	274	219
Remaining, ... ..	36	29	42	21	47
Died, ... ..	32	5	5	5	4
Transferred, ... ..	33	—	—	—	—
Diphtheria with Complications—					
Recovered, ... ..	3	1	6	9	2
Remaining, ... ..	—	4	—	1	—
Died, ... ..	—	—	—	3	—
Dysentery—					
Recovered, ... ..	8	14	46	4	5
Remaining, ... ..	—	1	—	—	—
Died, ... ..	—	1	2	1	—
Dysentery with Complications—					
Recovered, ... ..	—	—	2	—	—
Encephalitis Lethargica—					
Recovered, ... ..	—	2	—	—	—
Died, ... ..	—	—	—	1	—
Erysipelas—					
Recovered, ... ..	13	6	12	2	11
Remaining, ... ..	1	—	—	1	1
Died, ... ..	1	—	—	—	—
Measles—					
Recovered, ... ..	5	5	16	5	3
Remaining, ... ..	—	2	—	—	—
Died, ... ..	1	—	—	—	—
Measles with Complications—					
Recovered, ... ..	5	8	—	—	4
Died, ... ..	1	—	—	—	—



Admissions to Lennox, Duntocher, Dumbarton, and Helensburgh Hospitals during the years 1941, 1942, 1943, 1944, 1945—*continued*.

	1941	1942	1943	1944	1945
<b>Pneumonia—</b>					
Recovered, ... ..	132	216	242	278	163
Remaining, ... ..	12	18	38	9	10
Died, ... ..	16	19	29	16	18
<b>Pneumonia with Complications—</b>					
Recovered, ... ..	10	3	1	—	4
Died, ... ..	1	—	—	—	1
<b>Poliomyelitis, Acute—</b>					
Recovered, ... ..	3	—	—	4	—
Remaining, ... ..	—	—	—	1	—
<b>Scarlet Fever—</b>					
Recovered, ... ..	79	122	175	262	350
Remaining, ... ..	8	21	34	48	50
Transferred, ... ..	—	—	—	1	3
<b>Scarlet Fever with Complications—</b>					
Recovered, ... ..	2	1	5	4	15
Died, ... ..	2	—	—	1	1
Transferred, ... ..	—	—	—	—	1
<b>Tuberculosis, Pulmonary—</b>					
Discharged, ... ..	39	28	23	31	14
Remaining, ... ..	16	28	34	30	24
Died, ... ..	16	19	20	14	13
Transferred, ... ..	—	—	—	—	6
<b>Tuberculosis, Non-Pulmonary—</b>					
Discharged, ... ..	2	—	—	1	—
Remaining, ... ..	—	—	—	5	—
Died, ... ..	4	6	6	4	6
<b>Typhoid Fever—</b>					
Recovered, ... ..	—	1	2	—	1
<b>Para-Typhoid B—</b>					
Recovered, ... ..	2	1	—	—	—
Remaining, ... ..	10	—	—	—	—
<b>Undulant Fever—</b>					
Recovered, ... ..	—	—	—	2	—
<b>Whooping Cough—</b>					
Recovered, ... ..	3	—	—	3	1
Remaining, ... ..	1	—	—	—	—
Died, ... ..	1	1	—	—	—
<b>Whooping Cough with Complications—</b>					
Recovered, ... ..	—	—	—	4	—
Died, ... ..	—	—	—	1	—
<b>Other Diseases—</b>					
Recovered, ... ..	19	64	15	30	8
Remaining, ... ..	—	5	—	—	—
Died, ... ..	3	1	1	1	—
Transferred, ... ..	3	—	—	—	—
<b>Total admissions,</b> ... ..	1059	794	1015	1091	995



The statistics which were included in the Department of Health return, "Health Services Form I," are given below. It is to be noted that in item 4 the average duration of stay of patients is calculated by dividing the total patient days of patients included in items 2 and 3 by the sum of the patients in these two groups. For convenience in printing items 5 and 6 have been transposed.

	1941	1942	1943	1944	1945
<b>HELENSBURGH HOSPITAL—</b>					
(1) Total number of admissions, ... ..	184	97	136	112	144
(2) Total number of patients discharged, ... ..	180	80	116	117	122
(3) Total number of deaths, ... ..	23	15	13	10	6
(4) Average duration of stay (in days) of patients included in 2 and 3, ... ..	52	45	44	62	52
(6) Number of Surgical Operations:					
(a) Under general or spinal anæsthesia, ... ..	5	—	—	4	—
(b) Other operations, ... ..	15	8	4	10	7
(5) Number of beds occupied:					
(a) Average during the year, ... ..	24	15	22	20	23
(b) Highest—40 on 3/1/41; 23 on 2/2/42; 33 on 26/10/43; 30 on 9/1/44; and 37 on 1/11/45.					
(c) Lowest—13 on 16/11/41; 9 on 1/9/42; 17 on 12/3/43; 12 on 17/10/44; and 13 on 1/1/45.					

<b>DUNTOCHER HOSPITAL—</b>					
(1) Total number of admissions, ... ..	84	57	107	163	200
(2) Total number of patients discharged, ... ..	72	52	79	157	180
(3) Total number of deaths, ... ..	7	—	—	—	1
(4) Average duration of stay (in days) of patients included in 2 and 3, ... ..	36	37	48	33	39
(6) Number of Surgical Operations:					
(a) Under general or spinal anæsthesia, ... ..	1	—	—	1	—
(b) Other operations, ... ..	6	1	1	1	2
(5) Number of beds occupied:					
(a) Average during the year, ... ..	8	7	14	14	21
(b) Highest—42 on 16/1/41; 13 on 4/6/42; 27 on 6/12/43; 31 on 20/11/44; and 36 on 12/11/45.					
(c) Lowest—2 on 27/8/41; 2 on 11/3/, 22/9/, 12/12/42; 1 on 7/1/43; 8 on 30/7/44; and 10 on 31/5/45.					

<b>LENNOX HOSPITAL—</b>					
(1) Total number of admissions, ... ..	317	207	269	251	190
(2) Total number of patients discharged, ... ..	298	182	242	238	160
(3) Total number of deaths, ... ..	20	14	21	20	26
(4) Average duration of stay (in days) of patients included in 2 and 3, ... ..	42	46	47	62	71
(6) Number of Surgical Operations:					
(a) Under general or spinal anæsthesia, ... ..	1	—	—	2	—
(b) Other operations, ... ..	10	18	9	19	10
(5) Number of beds occupied:					
(a) Average during the year, ... ..	41	28	39	44	36
(b) Highest—60 on 20/3/41; 41 on 25/12/42; 55 on 19/12/43; 57 on 15/2/44; 45 on 24/3/45.					
(c) Lowest—24 on 27/12/41; 15 on 2/5/42; 24 on 21/7/43; 32 on 16/8/44; 27 on 16/8/45.					

<b>DUMBARTON JOINT HOSPITAL—</b>					
(1) Total number of admissions, ... ..	467	429	498	555	455
(2) Total number of patients discharged, ... ..	395	382	410	482	377
(3) Total number of deaths, ... ..	34	35	34	30	19
(4) Average duration of stay (in days) of patients included in 2 and 3, ... ..	40	32	31	32	32
(6) Number of Surgical Operations:					
(a) Under general or spinal anæsthesia, ... ..	3	8	7	3	1
(b) Other operations, ... ..	—	—	—	—	—
(5) Number of beds occupied:					
(a) Average during the year, ... ..	49	38	40	46	36
(b) Highest—72 on 7/3/41; 56 on 17/12/42; 56 on 25/10/43; 64 on 21/4/44; 62 on 25/12/45.					
(c) Lowest—38 on 10/12/41; 20 on 16/9/42; 21 on 11/8/43; 31 on 29/7/44; 16 on 16/8/45.					



## GENERAL HOSPITALS.

The entire question of the provision of a County General Hospital is, of course, in abeyance pending the development of the Government's Hospital Policy.

## AMBULANCE SERVICES.

These services have been maintained as formerly, and their future extension is closely associated with the hospital proposals at present under consideration.

## ULTRA-VIOLET LIGHT TREATMENT.

The installation at Duntocher Child Welfare Clinic was destroyed by enemy action in March, 1941. Work was carried on in Alexandria, Kirkintilloch, and Helensburgh Clinics, and the results obtained were satisfactory.

## SUPPLY OF INSULIN IN DIABETIC CASES.

In the course of the five years over a million (1,009,100) units of various types of insulin have been issued at a cost of £400 17s. 5d. Of the total issued 208,300 units were supplied at cost price. The following table gives the details for each year:—

	1941	1942	1943	1944	1945
Total number of Units issued, ...	195,700	194,000	190,400	172,200	256,800
Total number of Units repaid, ...	45,000	27,400	35,800	41,800	58,200
Total number of Patients supplied,	21	18	15	14	15
Cost price (approximately), ...	£78	£77	£75	£68	£102

## THE SCABIES ORDER (SCOTLAND), 1941.

The Treatment of Scabies, as outlined in the above Order, was put into operation during 1942. The aim of the Scheme was to treat families as a unit, thus preventing, to some extent, the danger of reinfection. Scabies Clinics were set up throughout the County, and the work was supervised by the School Medical Officers and the Nursing Staff. It should be mentioned here, however, that praise is due to the staffs of the First-aid Posts who assisted in the carrying out of



the treatment when the Scheme was first launched and when the number of families attending was so great. In two instances, prosecutions were instituted, but owing to abnormal domestic conditions prevailing in the families affected, these were dropped.

The following Table shows, in cumulative form, the number of families treated from 1942 to 1945 :—

Year	No. of Families on Register	No. of Families successfully treated in Clinics	No. of Families successfully treated at home	No. of Families still undergoing treatment
1942	226	161	—	65
1943	359	288	161	70
1944	377	304	394	73
1945	383	306	424	77

There are no special Scabies Clinics now, treatment being given in the normal Skin Treatment Clinics, and as can be seen from the above Table, the tendency is for families to be supplied with the necessary Ointment, and carry out the treatment at home, reporting back to the Clinic periodically for examination and advice.

It is to be regretted, however, that the number of families on the Register has progressively increased during the five years.

#### “ HOME HELP ” SCHEME.

In January, 1945, the County Council introduced a scheme for the provision of Home Helps for maternity cases, and three full time appointments were made. The only areas for which suitable Home Helps could be obtained were Kirkintilloch, Duntocher and Old Kilpatrick, and Vale of Leven. The service was slow to establish itself, but by the end of the year there were signs that an early increase in the number of Home Helps employed and an extension of the areas covered



would be necessary. The following explanatory circular is issued to each applicant for the services of a Home Help.

“ The County Council are desirous of providing the greatest possible help in circumstances of household difficulty and, with this in view, have employed a number of Home Helps.

“ As the earliest application for a particular period will have priority, Application Forms should be lodged as soon as possible with the County Medical Officer, 88 College Street, Dumbarton.

“ The Home Helps are on the staff of the County Medical Officer, and it is believed that the Statement of Duties given below will provide a sufficient basis for the successful working of the Scheme. Should, however, any question arise which is not covered by these notes, the matter may be referred to the Medical Officer of Health for settlement.

#### “ STATEMENT OF DUTIES OF HOME HELPS.”

“ The Home Help shall :—

“ (a) Attend daily from 8 a.m. to 6 p.m. with one hour off for lunch, or other periods of similar length as may be mutually arranged.

“ (b) Work under the direct charge of the Midwife in charge of the case (if maternity) where the Midwife is in the employment of the County Council. In all other cases she shall work under the supervision of the Health Visitor in whose area the case is.

“ (c) Act generally as deputy for the housewife as regards household duties, such as preparation and service of meals, attention to children's needs, shopping, housework and washing (washing will not include arrears but will include linen soiled during a confinement).

“ *The Home Help must not in any way interfere in the Nursing of the patient.*

“ One day off per week should be allowed, the day to be mutually agreed between householder and Home Help.”

On receipt of the necessary information applicants are advised of the amount they will be required to pay, and on



the whole this appears to have given satisfaction. The total number of bookings accepted during the year ended 31st December, 1945, was 38.

## H.—AIR RAID PRECAUTIONS.

### CASUALTY SERVICES.

The administration of the A.R.P. Casualty Services was directed by the Medical Officer of Health.

At the outbreak of war, the Services came into immediate operation according to the pre-existing plan. First-aid Posts were established as follows:—

Clinic, Lenzie Road, Kirkintilloch.  
 St. Ninian's Old School, Kirkintilloch.  
 Town Hall, Milngavie. (Later transferred to Boy's  
 Brigade Hall, Milngavie.)  
 Boy's Brigade Hall, Bearsden.  
 Public Hall, Duntocher.  
 Parish Church Hall, Old Kilpatrick.  
 Parish Church Hall, Bonhill.  
 Parish Church Hall, Alexandria.  
 St. Joseph's Old School, Helensburgh.

These First-aid Posts were equipped to act as miniature hospitals. They were manned by a full-time paid staff, voluntary part-time staff, and to each First-aid Post a doctor-in-charge was appointed. During the Clydeside Blitz, casualties were treated as undernoted:—

Clinic and St. Ninian's Posts, Kirkintilloch,	-	25
Boy's Brigade Hall, Bearsden,	- - -	21
Public Hall, Duntocher,	- - -	82
Parish Church Hall, Old Kilpatrick,	- - -	72
Parish Church Hall, Bonhill,	- - -	19
Church Street Post, Alexandria,	- - -	85
St. Joseph's Old School, Helensburgh,	- -	58

The brunt of the attack was borne by Duntocher and Old Kilpatrick First-aid Posts. These Posts were called upon not only to deal with casualties in their own area, but with



casualties from the Burgh of Clydebank. The other Posts also dealt with the overflow of cases from Clydebank.

Each First-aid Post had a fleet of ambulances, first-aid party, and sitting case cars, and 'Bus Ambulances and Mobile Units were strategically placed throughout the County. First-aid Points were established in the rural areas. A first-aid box was placed at each of these Points. In the Clyde Anchorages Area, the existing Points were upgraded and received additional equipment, and the First-aid Points at Cumbernauld and Twechar were also upgraded. Incidents were dealt with at the First-aid Points at Twechar, Cumbernauld, Condorrat, and Garelochhead.

In conjunction with the A.R.P. Casualty Services, the Medical Officer controlled the Emergency Mortuary Services, and the recruitment of personnel for the Civil Nursing Reserve. The Emergency Hospital Scheme, and the organisation of the Rest Centres, as far as medical provisions were concerned, came under his direction also.

### CARDROSS PARK HOME.

Cardross Park Home was opened in August, 1941, as a Sick Bay under the Government Evacuation Scheme. The primary purpose in the opening of this Home was to provide facilities for the treatment of evacuee children who were privately billeted and who required medical attention.

The Home has 50 beds, and when it was found that the number of evacuee children requiring treatment was not sufficient to fill all the vacancies, the available facilities of the Home were extended to County children. On the recommendation of the School Medical Officers, school children who were requiring medical attention were admitted to the Home, and similarly, on the recommendation of General Practitioners, pre-school children were treated. Children under the care of the Tuberculosis Officer; children under the care of the Social Welfare Department; and children from the neighbouring Local Authorities of Dumbarton, Clydebank, and Glasgow, have also been admitted to the Home.

Cardross Park Home may be adequately described as an



“ experimental Convalescent Home.” Not only does it deal with ailing children, as seen above, but it also makes provision for the child who is being neglected at home on account of illness of the mother, and for the child whose parents have shown themselves to be incapable of giving proper care and attention.

A School Teacher was appointed by the Education Committee to the Home. She teaches those children of school age who are unable to attend day-school because of their illness, and she also devotes some of her time in the Nursery with the older pre-school children.

It should be recorded that valuable assistance has been given to the Matron and Staff of the Home by the members of the Cardross Detachment of the British Red Cross Society. This help is especially appreciated on account of the difficulty of procuring adequate staff.

In June, 1943, the Home was affiliated to the National Society of Children's Nurseries, and was formally approved as a Training School. The cost of upkeep of the Home was originally borne by the Department of Health for Scotland, but in May, 1945, the County Council took over, and the Home is now owned by the Local Authority.

The following Table shows the number of admissions to the Home since 1941 to 1945 :—

	1941	1942	1943	1944	1945
No. of children admitted under—					
Maternity and Child Welfare Scheme	2	26	19	21	22
Education Health Services Scheme	21	70	57	47	42
Tuberculosis Scheme ... ..	—	—	—	5	2
Social Welfare Scheme ... ..	—	—	—	—	6
Evacuation Scheme ... ..	19	31	21	3	3
No. of children admitted from other					
Local Authorities—					
Burgh of Dumbarton... ..	—	—	2	3	4
Burgh of Clydebank ... ..	—	1	7	1	—
City of Glasgow ... ..	1	4	6	—	—
Totals ... ..	43	132	112	80	79



## F.—DIPHTHERIA IMMUNISATION SCHEME.

In February, 1941, the County Council launched a Diphtheria Immunisation Campaign. Treatment consists of two protective injections at a monthly interval, and the scheme includes both School, and Pre-School children, with the exception, that in the Burghs of Clydebank and Dumbarton, the respective Medical Officers of Health were responsible for the treatment of Pre-School children. Where, however, the family unit included both School and Pre-School children, arrangements were made whereby the family could be treated as a complete unit either under the County or Burgh Schemes.

At its inception, the Scheme was impeded following the evacuation made necessary by the Clydeside blitz, and the consequent lack of school accommodation.

For the administration of the scheme, a full-time Medical Officer, two Nurses, and three Clerkesses were appointed. The work involved naturally declined after the first two years, and there was no further need to maintain this Staff. The scheme is now operated as a part of the School Medical Services by the three School Medical Officers, assisted by the Nursing and Clerical Staffs. In addition, General Practitioners throughout the County are participating in the scheme.

The following table shows (in cumulative form) the number of children immunised in each year (exclusive of pre-school children treated in the Burghs of Clydebank and Dumbarton):—

Year.	No. of Completed Treatments.	School Children Treated.	Pre-School Children Treated.
1941	14,347	11,648	2,699
1942	17,642	14,106	3,536
1943	18,774	14,532	4,242
1944	19,946	14,731	5,215
1945	22,669	16,021	6,648



Since the average number of children born within the County is somewhere in the region of 3000 per annum, and correspondingly, the intake to the schools is about the same figure in each year, and the aim of the Immunisation Scheme is to have children protected at one year old and to renew that protection on entry to school, there should be a steady increase of about 3000 school children immunised per year. The pre-school children referred to in the table above exclude the Burghs of Clydebank and Dumbarton and the cumulative increase should be about 1500 per year.

#### G.—BLIND PERSONS.

In the 1940 report was printed the return made to the Department of Health on the form "Statistics Relative to Blind Persons as at 1st April, 1941," for the County of Dumbarton, including the Small Burghs and the Burgh of Clydebank. The following is a summary of the statistics contained in these forms for the five years ended 1st April, 1946. All of the 79 cases added to the register were certified by Ophthalmic Surgeons attached to Clinics. In 28 instances the probable date of onset of blindness was given as five years prior to certification; 38 between three and five years, and 13 within two years. None of the cases were under 16 years of age, one was in the 16-17 age group, one in the 18-29 age group, and one in the 30-39 group. In the 40-69 age group there were 28 cases registered and in the over 70 group the number was 48.

The number of persons on the register as at 1st April, 1946, was 177—divided into the following age groups: 0-16, 1; 16-40, 19; 40-69, 84; and over 70, 73.

During the years 1942, 1943, and 1944, there were 2 blind children who were otherwise normal being educated in a Blind Institution. One blind child who was also mentally subnormal and physically defective was not at school. At 1st April, 1946, only one child was left in this age group, a girl who remained in an Institution for the Blind.

Of the 176 persons over 16 years on the register, 140 were classified as unemployable; 33 were in employment, and 3 were



probably trainable in an institution. One of the probably trainable persons has refused to undergo training. Included in the 33 classified as being employed are five undergoing industrial training and one undergoing secondary or professional training: 16 are employed in workshops; 3 under Home Workers' Schemes, and 9 are otherwise employed.

The following table shows the numbers of blind persons in the various areas of the County, including the Burgh of Clydebank :—

STATEMENT SHOWING NUMBER OF BLIND PERSONS ON REGISTER DURING 1941-1945.

	On Register at 1/1/41.	Added during years 41-45.	Total.	Died During Years 41-45.	Left district during years 41-45.	Certification withdrawn.	On Register at 31/12/45.
Burgh of Clydebank, ...	61	38	99	23	13	...	63
Burgh of Kirkintilloch, ...	12	5	17	6	1	...	10
Burgh of Helensburgh, ...	7	7	14	5	...	...	9
Burgh of Milngavie, ...	11	4	15	3	2	...	10
Burgh of Kilcreggan, ...	1	...	1	...	...	...	1
<b>Eastern Area</b>							
(Landward), ...	35	19	54	18	5	...	31
<b>Western Area</b>							
(Landward), ...	37	24	61	14	2	...	45
	164	97	261	69	23	...	169

## H.—PORT SANITARY ADMINISTRATION.

During 1941 the duties under the above heading were vested in the Corporation of Glasgow. They continued to undertake this work until 31st December, 1945, when the pre-war arrangements were reintroduced.

## I.—WORKSHOPS AND WORK PLACES.

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

## REPORT BY SANITARY INSPECTOR IN THE WESTERN AREA.

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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 the years 1941-45.

### GENERAL SANITATION.

#### WATER SUPPLIES.

Water supply sources throughout the area continue to meet all requirements even though the consumpt was particularly heavy at times due to industrial demands, occupation of military camps, and influx of evacuees. All public sources of supply are periodically sampled for chemical and bacteriological analysis and have been found to be of good quality.

Auchengaich reservoir provides an augmented supply for Rhu, Clynder, and Rosneath Areas.

The accompanying table gives a note of the samples taken.

#### DRAINAGE SYSTEM (EFFICIENCY)

No great enlargement of sewerage area was carried out during this period due to labour and material restrictions. The Gartocharn Scheme is still uncompleted. All the terrace houses in Jamestown have been provided with separate water-closets. Addition was made to the accommodation at two works within the area. Other properties (though few in number) which have not the water borne system are the subject of negotiation.



TABLE XIV.—SAMPLES OF WATER TAKEN FOR ANALYSIS—1941-1945.

Year	PARISHES								From Local Gravitation Supplies	From Private Sources
	Bonhill	Cardross	Rhu	Rosneath	Arrochar	Luss	Kilmarnock	Dumbarton		
1941	3	2	9	3	1	...	4	...	14	8
1942	1	2	10	3	3	...	3	..	15	7
1943	12	11	11	1	2	...	5	...	31	11
1944	6	7	12	...	4	...	5	...	23	11
1945	8	6	10	...	4	...	8	...	23	13
Total	30	28	52	7	14	...	25	...	106	50

In addition to above, in 1944, 12 samples were taken within and without the County in connection with the Loch Sloy Scheme.

## RIVERS POLLUTION.

Only in one instance was there found pollution of the River Leven. This was caused by an oil discharge which was traced to a local work and was immediately attended to when complaint was made. Water from the river at points above and below the discharge pipe from Dalmoak Pumping Station is periodically analysed. Eight other samples from various streams were taken for suspected pollution.

## SCAVENGING.

The following table gives a rough idea of the work undertaken in Vale of Leven and Renton Districts, such work being considerably increased in the earlier years by the influx of evacuees. Gritting of frost bound road surfaces and the clearing of snow within the boundaries of both scavenging districts is now undertaken by this department, the cost involved being met by the Roads Department. Following an increase in grant from the Road Fund, verging of channels and footways is also now undertaken by the department.

## CARDROSS, CRAIGENDORAN, RHU, GARELOCHHEAD, ROSNEATH AND CLYNDER, ARROCHAR AND TARBET.

Contracts for the above are all carried out by private contractor. It will be noted that Shandon is still outwith the special scavenging districts, which is unfortunate, but it is hoped that this area will, ere long, be included. On occasion there has been cause for complaint as to the manner in which certain contracts were being carried out, but shortage of labour, due to call up for military service, &c., has been in some instances the answer to my protest. The collection of salvage owing to the small amounts obtained and the consequent cost involved has been discontinued.

Amounts so far received from the sale of such is shown on Salvage Table XXVI.

The area for the tipping of refuse at Rhu and Cardross is now becoming very limited. New coups will be required at an early date and are being sited.



TABLE XV.—VALE OF LEVEN AND RENTON SPECIAL SCAVENGING DISTRICTS.

Year	VALE OF LEVEN.					RENTON				
	Loads Removed	No. of Bins and Pits Emptied.	Miles Travelled	Petrol Consumpt.	Miles per Gallon	Loads Removed	No. of Bins and Pits Emptied	Miles Travelled	Petrol Consumpt.	Miles per Gallon
1941	4227	242,023	24,883	4013	6.2	1055	71,454	3430	971	3.5
1942	3823	241,277	21,784	3746	5.81	927	71,502	3144	851	3.69
1943	3296	242,965	19,189	2965	6.47	640	48,013	2088	860	2.4
1944	3409	225,597	20,918	3483	6.0	778	54,717	2600	830	3.1
1945	3532	229,005	21,941	4042	5.4	620	53,251	2678	1017	2.6

## PUBLIC CONVENIENCES.

In my last report I made reference to wilful destruction in public conveniences. Unfortunately no improvement has been shown during the war years. The erection of Public Conveniences at Clynder and Cardross is still in abeyance. It has been decided to increase the accommodation at Arrochar.

Table XVI shows the amounts collected during 1941-45. †

## BURIALS.

During the years covered by this report the undernoted burials were undertaken by the Local Authority in terms of Section 69 of the Public Health Act, 1897.

1941,	-	-	-	-	9 Burials.
1942,	-	-	-	-	1 „
1943,	-	-	-	-	1 „
1944,	-	-	-	-	1 „
1945,	-	-	-	-	2 „

## OFFENSIVE TRADES.

Of the listed offensive trades under Section 32 of the Public Health (Scotland) Act, 1897, only one such trade is operated within this area. No nuisance has arisen.

## OFFICES.

The two offices referred to in my last report have now been provided with additional w.c. accommodation for both sexes.

## FACTORIES ACT, 1937.

Complaint was received as to cleanliness in one factory. This was attended to on representation being made to the occupier. At other two factories additional w.c. accommodation has been provided and negotiations are proceeding for a further increase at Dalquhurn Works.

Want of sanitary convenience was found on a public works contract and want of free intervening ventilated space to female w.c. accommodation at another factory. The attention of the occupiers of 3 bakeries had to be directed to sweeping and scraping of floors and limewashing of walls.



TABLE XVI.—PUBLIC CONVENIENCES.

Year	Balloch	Arrochar	Luss	Rhu	Tarbet	Gareloch- head	Cardross	Bonhill	Christie Park	Total Collected
1941	£92 0 0	12 11 2	14 4 10	8 11 4	9 10 7	7 15 3	3 4 2	2 15 0	2 8 8	£153 1 0
1942	£97 16 7	8 17 5	14 5 11	8 3 8	7 8 5	7 8 10	2 9 2	2 15 0	1 17 4	£151 2 4
1943	£93 4 6	6 6 6	19 14 11	8 19 9	6 1 10	12 16 3	5 10 10	3 18 7	1 16 10	£158 10 0
1944	£93 5 11	15 7 0	29 7 0	8 9 0	8 1 1	9 1 11	3 12 11	2 5 11	1 19 10	£171 10 7
1945	£137 3 11	18 11 8	37 17 5	10 16 3	4 12 10	6 1 5	4 3 1	1 8 0	3 5 1	£223 19 8
Total Collected	£513 10 11	61 13 9	115 10 1	45 0 0	35 14 9	43 3 8	19 0 2	13 2 6	11 7 9	£858 3 7





TABLE XVIII.—FACTORIES ACT, 1937.

YEAR	PARISHES.																					Total Non-Mechanical.	Total Mechanical.	Total.			
	Arrochar.		Bonhill.		Cardross.		Dumbarton.		Kilmarnock.			Luss.			Rosneath.			Rhu.									
	Mechanical.	Non-Mech.	Total.	Mechanical.	Non-Mech.	Total.	Mechanical.	Non-Mech.	Total.	Mechanical.	Non-Mech.	Total.	Mechanical.	Non-Mech.	Total.	Mechanical.	Non-Mech.	Total.									
1941	...	5	5	37	45	82	12	20	32	1	...	1	2	6	8	2	3	5	3	8	11	8	7	15	65	94	159
1942	..	4	4	37	45	82	12	19	31	1	...	1	2	6	8	2	3	5	3	9	12	9	7	16	66	93	159
1943	...	3	3	37	44	81	13	19	32	1	...	1	2	5	7	2	3	5	4	9	13	9	7	16	68	90	158
1944	...	4	4	36	44	80	14	19	33	1	..	1	2	5	7	2	3	5	5	9	14	9	8	17	69	92	161
1945	...	4	4	36	44	80	14	20	34	1	...	1	2	5	7	2	2	4	5	9	14	9	9	18	69	93	162

## SCHOOLS.

Inspections made to schools within the Western Area show these to be maintained in a satisfactory condition.

## BURIAL GROUNDS.

Lairs in Millburn Churchyard are still subject to inspection before internment. Burials only being allowed in lairs notified to Deacons' Court. All other burial grounds are maintained in a satisfactory condition.

## COMMON LODGING HOUSES.

There are no common lodging houses within the area.

## BUILDING BYE-LAWS.

Table number XIX shows number of plans submitted over the five-year period. Shortage of labour, materials, and the necessity to obtain a licence for building work, accounts for the reduction in the numbers dealt with.

## LIGHTING.

In my last report I referred to the modified scheme of street lighting. This modified scheme was continued throughout the winter months of 1941-42-43-44, reverting to pre-war standard for winter 1945.

In Cardross and Craigendoran areas, following inspection by representatives of Helensburgh District Council, and a representative of the Chief Constable, it was decided to fit all lamps erected with 2-25 watt lamps. This modified scheme was in operation from November, 1944, and reverted to pre-war standard for season 1945-46. Considerable delay is still experienced in getting parts for the damaged lamps within the area, even though there is constant contact with the supply company.

## RATS AND MICE (DESTRUCTION) ACT, 1919.

## RATS AND MICE (SCOTLAND) ORDER, 1943.

Constant effort is made to reduce infestations. In co-operation with the Ministry of Agriculture (Pests Destruction Branch) working in military camps, refuse tips, private





dwellings, &c., it is estimated that during the five years the reduction in the rat population was at least 8800. Press notice is still given suggesting that farmers notify this department in advance of the date upon which threshing operations are to commence. Unfortunately the co-operation asked for is very seldom given.

Damage done by this rodent is incalculable and cannot be allowed when the conservation of all foodstuffs is so vital at present.

#### INCREASE OF RENT AND MORTGAGE INTEREST (RESTRICTION) ACTS, 1920-1923.

Year	Applications Received	Applications Granted	Applications Refused	Withdrawn
1941	8	8	—	—
1942	3	3	—	—
1943	9	9	—	—
1944	3	3	—	—
1945	6	6	—	—
Totals	29	29	—	—

#### NUISANCES.

During the period of review, 1182 intimations were given in respect of nuisances, while Statutory Notice under Section 20 of the Public Health (Scotland) Act, 1897, was given in 10 instances. Very little of particular interest had to be dealt with during the years. In certain parts of the area choked drains are a common source of nuisance, which could be avoided by a little parental control.

The only instance of nuisance worth recording was where a mechanical digger was operated in the laying of a pipe line. Here water supply service pipes and house drains were damaged in course of operations. When noted, the matter was immediately taken up with the responsible authority and restitution made.



TABLE XX.—FOOD AND DRUG (ADULTERATION) ACT, 1928.

Year	Milk	Butter	Margarine	Cheese	Tea	Sugar	Coffee	Jam	Cocoa	Lard	Baking Powder	Flour	Barley	Semolina	Cream of Tartar	Green Peas	Ground Ginger	Beans	Sago	Sauce	Pickles	Mixed Spice	Egg Powder(Sub.)	Pepper	Vinegar	Gravy Powder	Soups	Sausage	Chopped Ham	Gregory Powder	Aerated Waters	Wine	Beer	Whisky	Meat Paste	Totals	Genuine	Not Genuine	Official Samples	Test Samples		
1941	3	5	3	—	2	6	2	—	1	4	2	2	1	1	—	—	—	—	—	1	1	1	1	1	—	1	—	—	2	1	1	1	—	—	1	4	—	45	45	—	42	3
1942	40	1	2	—	2	3	—	—	—	2	1	1	—	—	—	—	—	—	1	1	1	—	1	—	1	—	1	—	—	—	—	1	—	2	—	63	58	5	40	23		
1943	69	—	2	1	3	5	4	3	—	2	2	2	—	4	—	—	1	1	—	—	—	—	1	—	—	2	—	1	1	—	1	—	—	1	1	106	101	5	47	59		
1944	241	3	3	—	4	3	2	—	—	3	2	—	1	1	1	1	—	—	—	—	—	1	1	1	—	3	1	—	1	1	—	—	—	1	—	—	274	263	11	45	229	
1945	82	1	2	—	2	2	1	2	—	3	1	—	2	—	—	1	—	—	—	1	1	—	—	1	—	1	—	—	1	—	—	—	—	—	—	104	103	1	32	72		

1942—3 Milks handed into the office and forwarded for analysis were found to be reconstituted unsweetened. 2 Official samples of milk were not genuine.  
 1943—4 Test samples of milk were not genuine. 1 Whisky handed into the office and forwarded for analysis was found to be entirely wine of a Sherry type  
 1944—11 Test samples of milk were not genuine.  
 1945—1 Official sample of milk was not genuine.

TABLE XXI.—MILK (SPECIAL DESIGNATIONS) ORDERS.

Producers				Total	Retailers				Total
Year	Certified	Tuberculin Tested	Standard		Certified	Tuberculin Tested	Standard	Pasteurised	
1941	2	16	34	52	8	8	2	16	34
1942	3	18	33	54	8	8	2	17	35
1943	2	22	31	55	8	8	2	18	36
1944	3	29	25	57	8	9	2	18	37
1945	3	37	18	58	6	11	2	18	37

TABLE XXII.—TEST SAMPLES TAKEN OF DESIGNATED MILK.

Year	Certified	Complying with Conditions	Not Complying	Tuberculin Tested	Complying with Conditions	Not Complying	Standard	Complying with Conditions	Not Complying	Total
1941	7	6	1	49	39	10	112	80	32	168
1942	10	6	4	48	45	3	100	82	18	158
1943	11	10	1	122	106	16	178	154	24	311
1944	18	17	1	181	159	22	159	132	27	358
1945	14	14	—	232	209	23	120	102	18	366



TABLE XXIII.—SCHOOL MILK SAMPLES

Year	T. T. Milk		Pasteurised Milk		Ordinary Milk	Total
	Complied with conditions	Not complying with conditions	Complied with conditions	Not complying with conditions		
1941	2	—	—	—	2	4
1942	3	—	—	—	3	6
1943	12	3	1	—	13	29
1944	33	6	2	—	2	43
1945	38	11	4	—	2	55
Total	88	20	7	—	22	137

TABLE XXIV.—PRODUCERS  
LICENCES ISSUED UNDER MILK DESIGNATIONS ORDER

Year	Licences Granted			Total	Licences Revoked			Total
	Certified	T. T.	Standard		Certified	T. T.	Standard	
1941	—	1	3	4	—	2	4	6
1942	1	5	3	9	1	—	1	2
1943	—	4	3	7	—	—	2	2
1944	1	9	2	12	—	—	2	2
1945	1	9	—	10	1	1	1	3
Total	3	28	11	42	2	3	10	15

The following statement shows the number of registered dairy farms, milk shops, trading vans and approximate number of dairy cows.

YEAR	Registered Dairy Farms	Milk Shops	Trading Vans	Approximate No. of Dairy Cows
1941	109	27	12	2800
1942	110	28	12	2746
1943	111	28	12	2547
1944	112	28	14	2175
1945	113	28	16	2049

#### TENTS, VANS, SHEDS AND HOUSEBOATS.

MILLBURN PARK, ALEXANDRIA.—This site has been the subject of comment in previous reports and is slowly being denuded of its hut dwellings. This area of ground has been acquired by the Vale of Leven Football Club. The total number in occupation at the end of the year 1945 was 7 huts inhabited by 42 persons.

Travel restriction during the war years induced many to have a camping holiday. At one popular site, there being fully 1000 campers at the same time, conditions were so bad that the matter had to be discussed with the ground superior. Litter was being disposed of in any convenient place, drain discharge pipes were broken and the area for camping was partly unsuitable and overcrowded. Ashpits for depositing litter, additional w.c., and improved water supply have since been provided, but this is still inadequate and the matter is still the subject of correspondence with the Estate Factor.

#### SEASONAL WORKERS.

Workers were as usual accommodated in many farms for the ingathering of the potato crop. The average stay over the



five years was approximately two weeks and the average number accommodated each year was 362. Many farmers still fail to give timely notice of intention to house workers with the result that the accommodation to be provided is not always ready for occupancy. Unless this intimation is in future given in terms of the Bye-laws permission to house the workers will have to be refused until the premises comply in every respect with the Bye-laws.

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

The following private slaughter-houses were licensed by the Local Authority:—

Vale of Leven Co-operative for premises at Bank Street, Alexandria (1941-42-43-44).

James S. Gray, Garelochhead, for premises at Euston Place, Garelochhead (1941-42-43-44).

David Spence, Jamestown, for premises at Oakburn, Jamestown (1941-42-43).

No cattle were slaughtered in any of the above.

Applications for renewal of licences to slaughter or stun animals in accordance with the provision of the Slaughter of Animals (Scotland) Act and the Bye-laws relating to swine were received and granted.

#### FERTILISERS AND FEEDING STUFFS ACT, 1926.

No action was taken under the above Act.

#### SHOPS ACTS, 1912-1938.

The general closing hours for shops which was brought into force by Defence Regulations during 1940 for the winter months is still operated, and the general opinion among shopkeepers is that there is no call for extension beyond these restricted hours. Contraventions noted were one shop with no washing facilities, and in another lack of proper sanitary convenience. Table No. XXV gives a record of the shops and the nature of the business carried on.

# SHOPS ACTS, 1912-1938.

TABLE XXV.—SHOWING NUMBER OF SHOPS AND NATURE OF BUSINESSES CARRIED ON THROUGHOUT THE DISTRICT.

YEAR	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.	Tobacconists.	Watchmakers.	Tea Rooms and Restaurants.	TOTALS
1941	23	22	8	6	5	72	15	32	8	4	20	4	44	11	10	12	30	...	10	5	3	22	366
1942	23	22	8	6	5	70	15	32	6	4	21	4	44	12	10	13	31	...	10	5	3	23	367
1943	23	22	8	6	3	70	15	30	6	4	20	3	44	12	9	11	30	...	9	5	2	22	354
1944	23	22	8	6	3	68	15	31	6	4	20	3	42	11	9	11	30	...	10	5	2	20	351
1945	23	22	8	6	3	69	15	31	6	4	20	3	43	11	8	11	31	...	10	5	2	20	351



TABLE XXVI.—SPECIAL SCAVENGING DISTRICTS—SALVAGE COLLECTION.

YEAR	Vale of Leven and Renton	Arrochar and Tarbet	Garelochhead	Rosneath and Clynder	Rhu	Cardross	Craigendoran	Total Value
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1941	606 1 10	8 17 8	21 13 0	9 4 2	31 8 10	33 2 9	13 2 0	723 10 3
1942	1411 10 6	29 12 9	29 9 0	23 3 4	61 10 2	31 3 10	13 6 11	1599 16 6
1943	1486 15 1	18 15 9	19 4 0	13 12 11	81 10 9	17 1 1	—	1636 19 7
1944	1144 3 2	12 5 5	3 1 0	3 6 1	31 7 8	3 6 9	—	1197 10 1
1945	1025 17 8	—	—	—	64 1 10	1 1 4	—	1091 0 10
Total Value	5674 8 3	69 11 7	73 7 0	49 6 6	269 19 3	85 15 9	26 8 11	6248 17 3

## BILLETING AND EVACUATION.

Previous to the commencement of hostilities in 1939 this Local Authority, in common with all other Local Authorities, had schemes prepared for emergency billeting, evacuation, provision of rest and feeding centres, ambulance, first-aid, and decontamination centres, control of food and water supplies, &c. all of which, as far as could be foreseen, were sufficient for any emergency. The first evacuation to take place was at the beginning of September, 1939, when mothers and children were accommodated throughout the district from Clydebank. Billeting at this time proceeded very smoothly and in no instance was there any necessity to make use of our statutory powers. There were certainly instances where differences did arise between the billetee and the householder, but that had to be looked for and overcome where two or more families were sharing the one house and using the common cooking facilities, &c., therein. The second evacuation was following the Clydebank blitz in March, 1941, and this was on a scale that taxed the maximum energy of all concerned in finding accommodation for the thousands who moved into this area. Time and patience, however, works wonders, and the many difficulties met with had just to be overcome, bearing in mind the nerve shattered condition of those who had gone through two nights of fire and bomb, and the uncontrolled manner in which the evacuation had, perforce, to take place. Three private dwelling-houses were requisitioned as hostels in the Rhu area, and at present are occupied by 24 blitzed families. The total number at the end of 1945 still in hostels and billeted in private houses is 195. It is earnestly hoped that these families will be given an early opportunity of establishing themselves in a home of their own. Tribute must be made to the splendid and sacrificing work performed at that time by the members of the Women's Voluntary Service, members of the Red Cross, School Teachers, to my Staff, and last, but not least, to the householders who shared their homes, and did so much to ease the burden of the many who had lost friends and, in many cases, their all.

While certain schools and halls had been agreed to as Rest Centres, the evacuation was so great after the blitz that every



hall or school within the area capable of giving shelter was taxed to the extent of making most of them grossly overcrowded. Some were entirely unsuitable because of insufficient washing facilities and water-closet accommodation, and were only occupied until alternative accommodation was found in billets or by transfer to other evacuation areas. While complaint was made as to the sanitary supervision of certain centres, it must be remembered that the freedom allowed children consequent on what parents had experienced, and the large number using common sanitary conveniences, made satisfactory supervision impossible until the overcrowding had been relieved by private billeting. The complaint referred to was investigated by a Medical Officer from the Department of Health and was satisfactorily explained. Halls and schools considered most unsuitable were, as alternative accommodation became available, dealt with first. Considering the overcrowding that existed for a time, the incidence of infectious disease was surprisingly low.

All Public Shelters were, in rotation, in the Alexandria, Balloch, and Jamestown area swept and disinfected regularly. Nuisance was found in many. Elsan sanitary conveniences, lighting fittings, &c., were all too frequently damaged, and it is unfortunate that what is provided for the public safety and comfort is all too frequently misused. Elsan closets were attended to by the cleansing staff.

#### DEFENCE REGULATIONS 56A.

#### CONTROL OF CIVIL BUILDINGS.

Applications under the above have been received by this department since February, 1941. Provided the work proposed is considered necessary and the cost thereof does not exceed £100, licence is granted. If the cost exceeds £100, licence is granted by the Ministry of Works. Up to the end of the year 147 licences had been issued or recommended to the Ministry of Works for issue.

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 the Annual Report applicable to the years 1941 to 1945 inclusive, in accordance with D.H.S. Circular No. 27/1946.

### WATER SUPPLY.

During the five years, a total of seventy (70) samples of water were collected and submitted to the Analyst to ascertain the condition of the water and to ensure that the supplies from Lanarkshire, Kirkintilloch, Clydebank, Old Kilpatrick, and Bowling were satisfactory; also that the quality and efficiency of Emergency and Private Supplies complied with standard requirements.

The care and attention devoted to this part of the administration throughout a trying and exacting period was more than ever essential to safeguard the health of the population.

Fortunately, no serious defect was found from any sources of supply and the maintenance of water supplies was effectively operated.

The samples drawn each year are shown as follows:—

1941.

No.	From	Water Supply.
1E.	Horse Trough, Auchinstarry Road, Kirkintilloch.	Kirkintilloch.
2E.	Police Station, Old Kilpatrick.	Old Kilpatrick (Private).
3E.	Police Station, Bowling.	Bowling.
4E.	Police Station, Old Kilpatrick.	Old Kilpatrick (Private).



No.	From	Water Supply
5E.	Footbridge, Waterside (Brennan's House).	Kirkintilloch.
6E.	Laighpark Farm, Milngavie.	Glasgow.
7E.	Clear Water Tank, Old Kilpatrick.	Old Kilpatrick
1942.		
1E.	Edinbarnet House, Hardgate.	Clydebank.
2E.	Barnhill Stream to Loch Bowie.	Dumbarton.
3E.	Mill House, Milton.	Bowling.
4E.	Milton House, Milton.	Bowling.
5E.	Kilmardinny Loch.	Emergency Supply.
6E.	St. Germain's Loch.	Emergency Supply.
7E.	Tannoch Loch.	Emergency Supply.
8E.	River Allander (above Lodge).	Emergency Supply.
9E.	Craigton Loch.	Emergency Supply.
10E.	Craigdhu Burn (below Farm).	Emergency Supply.
11E.	Barnhill Stream (feeder to Loch Bowie).	Dumbarton.
12E.	Loch Bowie.	Dumbarton.
13E.	Y.W.C.A. Hall, Cumbernauld.	Lanarkshire.
14E.	Police Station, Old Kilpatrick.	Old Kilpatrick (Private).
15E.	Police Station, Bowling.	Bowling.
16E.	Footbridge, Waterside (Brennan's House).	Kirkintilloch.
17E.	"Morven," Old Kilpatrick (Matthew Weekes' House).	Old Kilpatrick (Private).
18E.	Clear Water Tank, Old Kilpatrick.	Old Kilpatrick (Private).
19E.	Tambowie Farm, Bearsden.	Clydebank.
20E.	Pump Well, Smellie's Property, Main Street, Cumbernauld.	Lanarkshire.
21E.	Kirkgate Cottage, Condorrat.	Lanarkshire.
22E.	District Council Office, Cumbernauld.	Lanarkshire.
23E.	Footbridge, Waterside (Brennan's House).	Kirkintilloch.

No.	From	Water Supply.
24E.	Police Station, Old Kilpatrick.	Old Kilpatrick (Private).
25E.	Police Station, Bowling.	Bowling.

## 1943.

1E.	Knowe Cottage, Cumbernauld.	Lanarkshire.
2E.	Main Street, Cumbernauld (Brown, Baker).	Lanarkshire.
3E.	Low Muirhouse, by Duntocher.	Clydebank.
4E.	Clinic, Kirkintilloch.	Kirkintilloch.
5E.	Cumbernauld School.	Lanarkshire.
6E.	Police Station, Bowling.	Bowling.
7E.	Police Station, Old Kilpatrick.	Old Kilpatrick (Private).
8E.	Stream, N.E. from Old Mains House.	Emergency Supply.
9E.	Pollockshole Farm, Condorrat.	Lanarkshire.

## 1944.

1E.	No. 1 Holding, Balloch.	Lanarkshire.
2E.	Footbridge, Waterside (Brennan's House).	Kirkintilloch.
3E.	Outfall to Clear Water Tank, Old Kilpatrick.	Old Kilpatrick (Private).
4E.	Outfall to Clear Water Tank, Bowling.	Bowling.
5E.	Harestanes Farm, Kirkintilloch.	Kirkintilloch.
6E.	District Council Office, Cumbernauld.	Lanarkshire.
7E.	Police Station, Old Kilpatrick.	Old Kilpatrick (Private).
8E.	Police Station, Bowling.	Bowling.
9E.	Hirst, Castlecary.	Lanarkshire.
10E.	Baljaffray Cottages (Risk's House).	Clydebank.
11E.	9 Victoria Terrace, Dullatur.	Lanarkshire.
12E.	Police Station, Dullatur.	Lanarkshire.



1945.

No.	From	Water Supply.
1E.	Craigdhu Farm.	Private Supply.
2E.	Burn in Mains Wood.	Emergency Supply.
3E.	Footbridge, Waterside (Brennan's House).	Kirkintilloch.
4E.	District Council Office, Cumbernauld.	Lanarkshire.
5E.	Auchentorlie East Lodge, Bowling.	Bowling.
6E.	Police Station, Old Kilpatrick.	Old Kilpatrick (Private).
7E.	Craigdhu Farm, Milngavie.	Private Supply.
8E.	South Mains Farm, Bearsden.	Private Supply.
9E.	Garscadden Garage.	Clydebank.
10E.	Hilton Park Golf Club House.	Clydebank.
11E.	Blackmailing Reservoir.	Old Kilpatrick (Private).
12E.	Police Station, Old Kilpatrick.	Old Kilpatrick (Private).
13E.	Bowling Reservoir.	Bowling.
14E.	Auchentorlie East Lodge, Bowling.	Bowling.
15E.	Blackmailing Reservoir.	Old Kilpatrick (Private).
16E.	Bowling Reservoir.	Bowling.
17E.	Muirhouses Farm, Duntocher.	Clydebank.

#### DRAINAGE SYSTEMS—EFFICIENCY.

The drainage systems throughout the area continue to function effectively. No new developments have taken place, but with the return of building activity, further extensions will be necessary.

Occasions arose where drainage systems were affected by enemy action, but the arrangements existing to overcome this damage allowed of the repairs being quickly executed.

#### SEWAGE PURIFICATION AND DISPOSAL.

At various periods, sewage purification works were inspected and samples taken of the sewage effluents.

## MILK.

Under the Milk and Dairies (Scotland) Act, 1914, the number of Dairy Premises registered at 31st December, 1945, is as follows:—

Parish.	Premises Registered.			Total.
	Dairies.	Shops.	Vans.	
East Kilpatrick, - - -	20	9	16	45
West Kilpatrick, - - -	8	10	15	33
Cumbernauld, - - -	37	2	8	47
Kirkintilloch, - - -	26	8	22	56
	—	—	—	—
Total, - - -	91	29	61	181
	—	—	—	—

Throughout the years, inspections of the premises were maintained as consistently as possible under the conditions prevailing during the war. The buildings and milking operations gave little cause for serious comment. Any defects were readily rectified with the exception of one outstanding instance, where the occupant was making an initial start in milk production. Due to his ignoring the regulations and refraining from being guided or complying with instructions, it was necessary to introduce legal proceedings to enforce the requirements of the regulations applicable to buildings before satisfaction could be attained.

Under the Milk (Special Designations) Orders (Scotland), 1936-38, a total of 63 producers' licences are at present in operation. The milk samples taken, high bacterial counts pertaining, and bacilli coli present in samples since the introduction of the Orders to 31st December, 1945, are detailed in Table XXVII.

The percentage of samples not attaining the standard stipulated in the Orders and the relative results in relation to handmilking and machine milking are interesting.

On 16th November, 1943, a milk officer was appointed to the staff, and in the year 1944 visited 318 farms and collected 375 samples of designated milk. In 1945 the farms visited totalled 287 and the samples taken totalled 409. During this year, 21 samples were delivered to the laboratory for T.B. analyses.



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

RECORD OF SAMPLES DRAWN FROM FARMS SINCE THE INTRODUCTION OF THE ABOVE ORDERS UNTIL DECEMBER, 1945.

Year ended	No. of Farms	No. of Samples	High Bact. Count	Percentage	Bacilli Coli	Percentage
MILKING METHODS						
<i>Hand Milking.</i>						
Introduction of Orders until December, 1942,						
December, 1943,	50	1062	91	8.56%	63	5.93%
December, 1944,	51	324	31	9.56%	32	9.87%
December, 1945,	58	375	22	5.86%	24	6.40%
Totals,	63	387	29	7.49%	22	5.68%
		2148	173	8.05%	141	6.47%
<i>Machine Milking.</i>						
(Total of 6 Milking Machines)						
Introduction of Orders till December, 1942,						
December, 1943,	21	402	20	4.97%	13	3.23%
December, 1944,	17	98	5	5.10%	2	2.10%
December, 1945,	17	101	—	—	1	0.99%
Totals,	17	101	5	4.95%	5	4.95%
		702	30	4.27%	21	2.99%
<i>Machine Milking</i>						
(Total of 6 Milking Machines)						
Introduction of Orders till December, 1942,						
December, 1943,	27	660	71	10.75%	50	7.57%
December, 1944,	34	226	26	11.50%	30	13.27%
December, 1945,	41	274	22	8.02%	23	8.39%
Totals,	46	286	24	8.39%	17	5.90%
		1446	143	9.88%	120	8.29%

## MEAT.

Due to Government control of meat supplies, regular inspections to the two licensed private slaughterhouses were not required.

Under the Slaughter of Animals (Scotland) Act, 1928, and the bye-laws relating to the slaughter of swine, licences have been granted to James Paul, Main Street, Cumbernauld; James M'Laren, Main Street, Cumbernauld; and William B. M'Laren, Main Street, Cumbernauld. Licences in respect of private slaughter-houses were granted to James M'Laren, Main Street, Cumbernauld; James Paul, Main Street, Cumbernauld; and the Corporation of Glasgow, Woodilee Farm, Lenzie.

A total of 54 condemnation certificates have been issued to retailers in relation to home-killed and imported and canned meats from July, 1944, to 31st December, 1945, for reference to the Ministry of Food (Meat and Livestock Division).

Under the Public Health (Scotland) Act, 1897, Section 43, certificates certifying that articles of food had been voluntarily surrendered to this department and destroyed as unfit for human consumption were issued to the holders of the goods in 1942 (101); 1943 (72); 1944 (62); and 1945 (35).

From the foregoing figures it would appear that improved handling of food and the reduction of accumulated stocks contributed towards the improvement in the condition of food supplies.

## FOOD AND DRUGS.

Throughout the years 1941-45 samples drawn under the Food and Drugs (Adulteration) Act, 1928, related principally to milk as, because of food rationing, it was deemed advisable not to tax the supplies to the people unless it was evident that such a course was warranted. The samples collected totalled in 1941 (276); 1942 (340); 1943 (387); 1944 (429); and 1945 (450).

In the year 1942, an official sample No. 283E was proved to be not genuine in respect that it was deficient in milk solids other than milk fat, to the extent of 9 per cent. or



thereby. Proceedings were instituted against the offender and a fine of £7 was imposed. The sample was submitted by the analyst to the Hortvet Test which was first introduced in the year 1923. Genuine milk under this test has a freezing point between  $-.530$  deg  $-.560$  deg. below zero centigrade. The freezing point of the sample in question was  $-.454$  deg. centigrade. This was accepted as proof of the presence of water and shows that the milk was not genuine. This, fortunately, was the only prosecution necessary throughout the period.

The department also worked in co-operation with the Ministry of Food in implementing the requirements of the Defence (Sale of Food) Regulations, 1943, in relation to the labelling and advertising of foods. The Defence (General) Regulations, 1939, relating to preservatives in food, and Orders governing standards of food, all entered into the administration.

## SCAVENGING METHODS AND EFFICIENCY.

### BEARSDEN SPECIAL SCAVENGING DISTRICT.

During the five years, the transport and staffing arrangements were as follows:—

Transport.—Motor wagons, 4.

Staff.—(P.—permanent; T.—temporary).

Year.	Drivers.		Men.		Youths.	Boys.	Women.	Total.	Men on War Service.
	P.	P.	T.	T.					
1941, - -	4	7	10	—	—	—	—	21	9
1942, - -	4	7	5	—	11	4	—	31	6
1943, - -	4	7	6	3	6	4	—	30	5
1944, - -	4	6	7	4	7	—	—	28	2
1945, - -	4	6	5	7	3	—	—	25	1

Many difficulties were experienced in the execution of the work, particularly with regard to labour and the maintenance of vehicles. The employment of women and boys helped to alleviate the labour position.

The number of householders participating in the scheme for the removal of garden refuse increased throughout the

years until in 1945 the number was 989 and payments received for that year amounted to £555 14s. 10d.

The removal of furnace ashes realised the sum of £22 13s.

*Lawmuir Coup.*—The conditions prevailing at the coup continue to give satisfaction and the dressing involved occupies two employees daily.

#### DUNTOCHER SPECIAL SCAVENGING DISTRICT.

Transport.—1 motor wagon.

Staff.—(P.—permanent; T.—temporary).

Year.					Drivers.		Men.		Total.
					P.		P.	T.	
1941,	-	-	-	-	1		1	1	3
1942,	-	-	-	-	1		1	1	3
1943,	-	-	-	-	1		2	—	3
1944,	-	-	-	-	1		1	1	3
1945,	-	-	-	-	1		2	—	3

#### KILPATRICK AND BOWLING SPECIAL SCAVENGING DISTRICT.

Transport.—1 motor wagon.

Staff.—(P.—permanent; T.—temporary).

Year.					Drivers.		Men.		Total.
					P.		P.	T.	
1941,	-	-	-	-	1		3	1	5
1942,	-	-	-	-	1		2	1	4
1943,	-	-	-	-	1		2	1	4
1944,	-	-	-	-	1		2	1	4
1945,	-	-	-	-	1		3	—	4

*Dumbuck Coup.*—The conditions at the coup are suitable to meet the requirements of the district.

*Garscadden Garage.*—Under the conditions that developed during the war, the buildings proved to be ideal for the various demands to be met. The accommodation for garaging vehicles meets requirements and the provision of a Mortuary, Decontamination Station, and facilities for training of Anti-Gas Personnel were extremely serviceable.

The garage was also a centre for the supply of petrol under the Defence Regulations.



## SCAVENGING CONTRACTS.

## CUMBERNAULD SPECIAL SCAVENGING DISTRICT.

Contractor.—A. Forrester & Son, Roadside, Cumbernauld.

Contract Price.—1941 (£205); 1942 (£230); 1943 (£240); 1944 (£260); 1945 (£275).

## CONDORRAT SPECIAL SCAVENGING DISTRICT.

Contractor.—Robert Roberts, Main Road, Condorrat.

Contract Price.—1941 (£88); 1942 (£90); 1943 (£95); 1944 (£100); 1945 (£105).

## CROY SPECIAL SCAVENGING DISTRICT.

Contractor.—James Rae, Croy (1941 only). Robert Roberts, Main Road, Condorrat.

Contract Price.—1941 (£195); 1942 (£208); 1943 (£208); 1944 (£210); 1945 (£210).

## WATERSIDE SPECIAL SCAVENGING DISTRICT.

Contractor.—William Stuart, 13 Oxbang, Waterside Road, Kirkintilloch.

Contract Price.—1941 (£110); 1942 (£112); 1943 (£120); 1944 (£126); 1945 (£130).

## PUBLIC CONVENIENCES.

Four Public Conveniences and one Public Urinal are situated in this area.

Money collected during financial year:—

	1941.	1942.	1943.	1944.	1945.
Old Kilpatrick,	£23 7 11	£24 15 0	£22 5 4	£18 2 6	£19 4 5
Milton, -	7 3 1	9 16 0	11 4 0	12 17 9	12 2 0
Duntocher, -	4 0 7	7 3 8	6 15 6	5 2 9	6 7 1
Hardgate, -	6 2 5	7 5 6	7 1 8	6 7 10	7 13 11

## SANITARY CONVENIENCES.

Due to conditions during the last five years, further improvement on the conditions existing as shown in Table XXI of the Annual Report for the year 1940 was not possible.

The position is: Dry-closets used by one or more tenants,

57; water-closets used by two or more tenants, 320; and houses without indoor water supply and sink, 166.

### FACTORIES ACT, 1937.

A record of the premises governed by the above Act is shown in Table XXVIII and following inspections, works relating to the provision of lavatories, washing facilities, &c., were carried out in accordance with the requirements of the Act.

### BURIALS.

(SECTION 69 (1) OF THE PUBLIC HEALTH (SCOTLAND) ACT, 1897.)

From 1941 to 1945 inclusive, 8 burials were carried out under the above Act. They related to 4 male and 1 female adult, and 3 babies.

### BURIAL GROUNDS—SANITARY CONDITIONS.

The conditions existing at the burial grounds gave no cause for complaint.

### BUILDING REGULATIONS.

As all building progress was practically at a standstill during the years, activity in the work under this heading was greatly restricted as will be seen from Table XXX.

With the introduction of the Control of Civil Building under D.H.S. Circular 133/1943, the responsibility of recommending the granting of licences was placed on this department. From August, 1945, the consideration of all applications and the issue of licences covering an expenditure on work up to £100 has been conducted from this office, together with recommendations to the County Council on the question of granting licences beyond this sum and not exceeding £1200 for a new house. In the period from October to December, 1943, and the year 1944, 26 applications for licences were dealt with, and in the year 1945, 219.

The essential work related principally to alterations for the provision of additional accommodation, maintenance work, and to the completion of buildings partly erected.



TABLE XXVIII.—FACTORIES ACT, 1937.

TRADE OR BUSINESS.	Cumbernauld.	Kirkintilloch.	East Kilpatrick.	West Kilpatrick.	TOTAL.
Bakers	4	...	2	2	8
Blacksmiths,	3	...	...	...	3
Builders,	...	...	3	...	3
Bootmakers,	2	1	1	...	5
Butchers,	3	1	8	3	15
Chemical Works,	1	...	4	...	1
Coal Merchants,	...	...	...	...	4
Distillers,	...	...	...	1	1
Dressmakers,	...	...	...	...	...
Electrical Manufacturers,	...	...	1	1	2
Engineers,	...	...	1	...	1
Fireclay Works,	2	1	...	...	3
Grain Mills,	3	...	...	...	3
Hosiery Manufacturers,	...	...	...	...	...
Joiners and Carpenters,	2	...	2	2	6
Laundries,	...	...	...	1	1
Motor Engineers,	5	1	5	1	12
Plumbers,	2	...	3	1	6
Painters,	1	...	1	...	2
Shipbuilders,	...	...	...	2	2
Sculptors,	...	...	1	1	2
Tailors,	2	...	...	...	2
Watchmakers,	...	...	...	...	...
Miscellaneous,	3	1	...	3	7
TOTALS,	33	5	32	19	89

## NAMING OF STREETS.

The following new names and alterations to names of roads were given effect to—

*Bearsden.*—New portion of Grange Road named North Grange Road; Oakfield Avenue, Mosshead; Glenburn Road West altered to Upper Glenburn Road.

*Hardgate.*—Gavin Road, Hardgate.

## STREET LIGHTING.

Following the curtailment of the restricted street lighting applicable to war-time conditions, as recorded in the Annual Report for the year 1940, a gradual return to normal lighting has been effected. At present, 68 of the total gas lamps in Bearsden Special Lighting District are not yet in operation due to the shortage of supply of various fittings. Every economy was exercised to meet the requirements of the Ministry of Fuel and Power and all lights were extinguished at midnight, except pilot lights essential to road safety. In Croy Special Lighting District the lighting also operated from 5 a.m. to dawn when required to facilitate the safety of workers proceeding to work during the hours of darkness.

The lighting season in Bearsden, Duntocher, and Old Kilpatrick operates from 13th August to 11th May, and in all other districts from 1st September to 30th April.

A record of the total lamps and lamplighters employed in each Special Lighting District as at 31st December, 1945, is hereunder recorded—

## GAS SUPPLY.

District.	Street Lamps.	Signal Lamps.	Private Lamps.	Total Lamps.	Lamp- lighters
Bearsden, - - -	1134	9	—	1143	8
Duntocher, - - -	156	1	—	157	1
Kilpatrick and Bowling,	271	9	—	280	2
Waterside, - - -	22	3	—	25	—
Adamslie, - - -	6	—	—	6	—
	—	—	—	—	—
	1589	22	—	1611	11
	—	—	—	—	—



## ELECTRICITY SUPPLY.

District.	Street Lamps.	Signal Lamps.	Total Lamps
Bearsden, - - -	16	—	16
Cumbernauld, - -	42	3	45
Condorrat, - - -	37	—	37
Croy, - - - - -	32	—	32
Dullatur, - - -	16	—	16
Waterside, - - -	6	—	6
	<hr/> 149	<hr/> 3	<hr/> 152

## NUISANCES.

Any nuisances dealt with throughout the years were of a minor nature due to wear and tear or neglect on the part of individuals. The defects were readily remedied.

INCREASE OF RENT AND MORTGAGE INTEREST  
(RESTRICTION) ACTS.

The number of applications received totalled 6. In the year 1943, 3 certificates were granted to applicants and 2 withdrawn. One certificate was granted in the year 1944.

## TENTS, VANS, SHEDS AND HOUSEBOATS.

A survey was taken in the year 1943 to ascertain the number of huts, caravans, &c., in the area and the conditions under which the occupants were living. A total of 54 erections were located. The majority were occupied by persons made homeless by war conditions. The remainder were living their normal mode of life. At many sites the inadequate drainage facilities and unsuitable water supply were a danger to public health, and the position with regard to local authority powers to remedy the position was referred to the Department of Health.

In comparison with the unorthodox way of living recorded, officially organised and regulated camps of Boy Scouts and Girl Guides were a revelation.

## PRIVATE STREETS AND FOOTWAYS.

Under Section 41 of the Roads and Bridges (Scotland) Act, 1878, the following roads and footpaths were added to the List of Highways in the year 1941:—

*Parish of New Kilpatrick.*—Clathie Avenue and footpaths; Greenwood Drive and south footpath.

*Cumbernauld Parish.*—Housing scheme streets from north side of route A80 northwards, thence east and west thereof.

## RATS AND MICE (DESTRUCTION) ACT, 1919.

The efforts made throughout each year to restrict and reduce the number of vermin were varied in their method, according to the situation and nature of the infested premises. The form of destruction most in use was by trapping. On other occasions, poison baits and gassing were common practice.

In the year 1942 a nation-wide effort, promoted by the Department of Agriculture, aided by teams of specially trained rat catchers, worked in conjunction with local authorities to assist in retarding the increase of the vermin that arose in blitzed areas and war service camp sites.

The Burgh of Clydebank, which previously came under the control of the County Council, is now administered by the Town Council to facilitate the work under the Act.

On the Department of Agriculture appointing an Area Advisory Officer controlling squads of trained rat catchers, it is now possible for occupiers of land or property to engage a rat catcher at the rate of £7 per week.

Where property is infested, from reports received in relation to action taken at the request of this department, the expenditure has proved to be fully justified.

Only by close co-operation between occupiers of property, property owners and the local authority can the "disease carrier" be destroyed.

## SHOPS ACTS, 1912-38.

Under the Shops (Hours of Closing) Act, 1928, as amended by an Order-in-Council made on 10th October, 1941, the



SHOPS ACTS, 1912-38.

TABLE XXIX.—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	...	...	48
Kirkintilloch, -	...	1	...	...	8	...	...	...	2	4	...	...	...	1	...	1	...	...	...	...	...	17
East Kilpatrick,	4	7	3	...	8	2	3	3	...	12	1	2	...	...	7	2	...	3	2	1	...	60
West Kilpatrick,	4	6	2	...	17	1	...	1	5	18	2	2	1	13	3	1	1	4	1	1	1	84
Totals,	13	17	5	1	45	4	6	4	11	42	3	6	1	18	13	4	2	7	4	2	1	209

PARISH	YEAR	PLANS					Total	No. of Buildings			Total	No. of Houses					Total
		New Buildings		Alterations		Bungalows, &c.		Cottages	Flats and Terrace Houses	2 Apartments		3 Apartments	4 Apartments	5 Apartments	Over 5 Apartments		
		Bungalows	Cottages	Flats and Terrace Houses	Flats and Terrace Houses												
Cumbernauld	1941	...	1	...	1	1	1	1	2	...	2	...	2	...	2	...	2
	1942	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	1943	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...
	1944	...	1	...	2	...	...	...	3	...	...	...	...	...	...	...	...
	1945	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...
Kirkintilloch	1941	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	1942	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	1943	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	1944	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...
	1945	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
East Kilpatrick	1941	...	...	...	4	...	...	4	4	...	4	1	2	...	...	...	4
	1942	...	...	...	6	...	...	6	6	...	6	...	6	...	...	...	6
	1943	...	...	...	2	...	...	2	2	...	2	1	1	...	...	...	2
	1944	...	...	...	4	...	...	4	4	...	4	...	4	...	...	...	4
	1945	...	...	...	18	...	...	18	18	...	18	...	14	...	...	...	18
West Kilpatrick	1941	...	...	...	1	...	...	1	1	...	1	1	...	...	...	...	1
	1942	...	...	...	3	...	...	2	3	...	3	1	1	...	...	...	3
	1943	...	1	2	2	...	...	2	5	2	5	4	11	...	2	...	17
	1944	1	1	4	5	...	...	6	11	...	10	...	33	...	...	...	40
	1945	1	2	...	6	...	...	7	9	...	9	1	5	...	1	...	9
Total, 1941-45		3	6	6	57	...	72	57	9	5	71	3	7	82	17	4	113

Plans were also passed for 238 other buildings including 90 Garages, 32 Greenhouses, and 24 Piggeries.



hours of closing are not later than 7 o'clock p.m. on Friday and Saturday, and 6 o'clock p.m. on other days of the week.

The question of premises being suitable for certain trades received the consideration of the department before being approved.

An indication of the shops in the area is recorded in Table XXIX.

### RIVERS' POLLUTION.

The samples collected during the years totalled 74, and the sources from which these were taken each year are as follows :—

1941.		
No.	River or Stream.	Place.
1E.	Luggie.	50 yards from Bridge, Kilsyth Road, Kirkintilloch.
2E.	Luggie.	Oxgang Bridge.
3E.	Luggie.	Bridge at Bridgend Row, Waterside.
4E.	Bothlyn.	50 yards from junction with Luggie.
5E.	Park Burn.	Glasgow Road Bridge, Kirkintilloch.
6E.	Park Burn.	Tummel Mouth, Boghead Quarry.
7E.	Board Burn.	Above drainage ditch where Gartshore No. 3 joins Burn.
8E.	Board Burn.	Above drainage ditch where Gartshore No. 3 joins Burn.

1942.		
1E.	River Luggie.	Sauchenhall Bridge, Kirkintilloch.
2E.	River Luggie.	Below Wester Gartshore Colliery, above Pit Bridge.
3E.	River Luggie.	Below Bridge at Bridgend Row, Waterside.
4E.	Board Burn (Mosswater).	Junction of Mosswater and ditch from Gartshore Colliery No. 3.
5E.	Board Burn (Mosswater).	Above junction.
6E.	Board Burn (Mosswater).	Below junction.
7E.	Board Burn.	Twechar Bridge, at School.

No.	River or Stream.	1943.	Place.
1E.	Luggie.	Sauchenhall Bridge, Kirkintilloch.	
2E.	Luggie.	Below Wester Gartshore Colliery, above Pit Bridge.	
3E.	Luggie.	Below Bridge at Bridgend Row.	
4E.	Board Burn (Mosswater).	30 yards above junction of Moss- water and ditch from Gartshore Colliery No. 3.	
5E.	Ditch from Gartshore Colliery No. 3.	Before joining Mosswater.	
6E.	Board Burn (Mosswater).	Below junction of Mosswater ditch from Gartshore Colliery No. 3.	
7E.	Board Burn.	Twechar Bridge, at School.	
8E.	River Luggie.	Sauchenhall Bridge, Kirkintilloch.	
9E.	River Luggie.	Below Wester Gartshore Colliery, above Pit Bridge.	
10E.	River Luggie.	Below Bridge at Bridgend Row, Waterside.	
11E.	Board Burn (Mosswater).	Above junction of Mosswater and ditch from Gartshore Colliery, No. 3.	
12E.	Ditch from Gartshore Colliery No. 3.	Before joining Mosswater.	
13E.	Board Burn (Mosswater).	Below junction of Mosswater and ditch from Gartshore Colliery No. 3.	
14E.	Board Burn.	Twechar Bridge, at School.	
15E.	Luggie.	60 yards above junction with Gain Burn.	
16E.	Gain Burn.	50 yards above junction with Luggie.	
17E.	Luggie.	20 yards above junction with Gain Burn.	
18E.	Luggie.	20 yards below junction with Gain Burn.	
19E.	Luggie.	Sauchenhall Bridge, Kirkintilloch.	
20E.	Luggie.	Below Wester Gartshore Colliery, above Pit Bridge.	



No.	River or Stream.	Place.
21E.	Luggie.	Below Bridge at Bridgend Row, Waterside.
22E.	Board Burn (Mosswater).	Above junction of Mosswater and ditch from Gartshore Colliery No. 3.
23E.	Ditch from Gartshore Colliery No. 3.	Before joining the Mosswater.
24E.	Board Burn (Mosswater).	Below junction of Mosswater and ditch from Gartshore Colliery No. 3.
25E.	Board Burn.	Twechar Bridge, at School.
26E.	St. Germain's Loch, Bears- den.	At Boating Jetty in Norwood Policies.

## 1944.

1E.	River Luggie.	Below Wester Gartshore, 30 yards above Pit Bridge.
2E.	Ditch from Gartshore Colliery No. 3.	Before joining the Mosswater.
3E.	Ditch from Drumgrew Moss.	Sidegoats Bridge, Gartshore Road, Waterside.
4E.	Allander River.	10 yards below Bridge over Allander, Clober.
5E.	Allander River.	1 yard above junction of Craigdhu Burn.
6E.	Allander River.	15 yards upstream from Bridge on Glasgow Road.
7E.	Allander River.	20 yards upstream from Allander Toll Bridge.
8E.	River Luggie.	30 yards above Bridge at Wester Gartshore Pit, Waterside.
9E.	Coal Washer.	Wester Gartshore.
10E.	Effluent.	Dullatur Sewage Works.
11E.	Back Drain, Dullatur.	10 yards below junction with Dullatur sewage effluent.
12E.	Effluent.	Croy Sewage Works.

No.	River or Stream.	Place.
13E.	Effluent.	Outfall, Twechar Sewage Works.
14E.	Effluent.	Waterside Sewage Works.
15E.	Effluent.	Condorrat Sewage Works.
16E.	Effluent.	Cumbernauld Sewage Works.
17E.	Chanticleer Burn.	Outfall from Dullatur Pit.
18E.	Chanticleer Burn.	Below Dullatur Pit Outfall.
19E.	River Luggie.	50 yards from junction with Kelvin.
20E.	River Luggie.	70 yards from junction with Kelvin.
21E.	River Luggie.	10 yards from Oxgang Bridge.
22E.	River Luggie.	40 yards above Bridge at Bridgend Row, Waterside.
23E.	Bothlyn.	10 yards above junction with Luggie.
24E.	Mosswater.	Near Mosswater Mine.
25E.	Bothlyn.	20 yards below Boundary ditch with Lanarkshire.

## 1945.

1E.	River Allander.	10 yards below Bridge over Allander.
2E.	River Allander.	Above junction of Craigdhu Burn.
3E.	River Allander.	15 yards upstream from Bridge on Glasgow Road.
4E.	River Allander.	20 yards upstream from Allander Toll Bridge.
5E.	River Allander.	10 yards below Bridge at entrance to Clober Lodge.
6E.	River Allander.	Above junction of Craigdhu Burn.
7E.	River Allander.	15 yards upstream from Glasgow Road Bridge.
8E.	River Allander.	20 yards upstream from Allander Toll Bridge.

## WAR EMERGENCY ACTIVITIES.

During the war years various activities came under the administration of the department, and the staff and employees adapted themselves to meet the requirements as they arose, in addition to their normal work and the general state services to be performed when free from duty.



TABLE XXXI.—SUMMARY OF YEARLY SALVAGE RETURNS  
COMPILED FROM THE MONTHLY RETURNS MADE TO THE MINISTRY OF  
SUPPLY ON FORM SAL 1, FOR THE PERIOD 1939-1945.

Year	Paper			Ferrous Metal			Non-Ferr. Metal		
	T. C.	£	s. d.	T. C.	£	s. d.	T. C.	£	s. d.
Nov. 1939- Apr. 1940	32 7	97	19 4	20 8½	29	12 5	0 9	15	2 5
1940-41	214 13½	894	0 6	93 16½	158	0 7	3 4½	103	9 10
1941-42	227 17½	1080	19 5	36 2½	54	18 8	2 2	62	3 10
1942-43	205 17	1370	19 5	69 16½	107	2 5	2 3½	50	12 10
1943-44	157 6½	1028	8 11	48 2	67	11 6	2 0	41	0 9
1943-45	144 3½	934	6 9	16 12½	26	10 1	1 3½	21	19 1
TOTALS,	982 5	5406	14 4	284 18½	443	15 8	11 2½	294	8 9
Year	Textiles			Bottles			Cullet		
	T. C.	£	s. d.	T. C.	£	s. d.	T. C.	£	s. d.
Nov. 1939- Apr. 1940	1 9	13	10 6	3 5	29	8 9	—	—	—
1940-41	16 0	105	0 4	11 5	89	17 9	6 13½	5	10 6
1941-42	14 3½	123	17 3	20 17	135	14 2	8 16½	8	16 3
1942-43	17 1½	241	5 9	17 13	166	17 11	11 7½	9	1 0
1943-44	11 6½	182	6 4	10 13	114	9 7	12 13½	12	13 6
1944-45	14 2½	250	12 2	13 3½	153	7 9	4 16½	4	16 3
TOTALS,	74 2½	916	12 4	76 16½	689	15 11	44 8	40	18 0
Year	Kitchen Waste			Bones			Rubber		
	T. C.	£	s. d.	T. C.	£	s. d.	T. C.	£	s. d.
Nov. 1939- Apr. 1940	—	—	—	—	—	—	—	—	—
1940-41	31 5½	55	1 1	3 8	9	2 4	—	—	—
1941-42	176 14½	353	8 6	3 11	10	13 0	2 16½	5	19 6
1942-43	306 19½	537	4 4	13 7½	40	2 6	8 16½	21	6 10
1943-44	320 8½	560	13 3	40 3	33	15 0	3 9	8	12 6
1944-45	310 16	543	17 9	10 0½	45	1 2	3 4½	7	4 6
TOTALS,	1146 3	2058	4 11	40 9½	138	14 0	18 6½	43	3 4

		£	s.	d.		
Yearly Total, 1939-40 (6 months),		185	13	5	TOTAL TONNAGE	
" " 1940-41,		1,420	2	11	Tons	Cwts.
" " 1941-42,		1,836	11	1	2,678	12½
" " 1942-43,		2,544	13	0		
" " 1943-44,		2,049	11	4		
" " 1944-45,		1,987	15	6		

*Evacuation.*—At the peak of the evacuation period, 2131 evacuees came under the administration of this department. Most of the evacuees received in the Cumbernauld and Kirkin-tilloch districts came from Old Kilpatrick, Duntocher, the Burgh of Clydebank, and Glasgow; also from various parts of England and the Channel Islands. At present, 73 evacuees still remain in the area.

The staff was augmented by many voluntary helpers and the services of one lady in particular were of such an exceptionally high degree of efficiency that she definitely lightened the burden on the department throughout the years.

*Gas Instruction.*—At the School of Instructors at Garscadden Cleansing Depot, a member of the staff holding a First Class Special Certificate was an instructor. Other members of the staff were also trained and could instruct or assist when the occasion arose.

*Decontamination—Mortuary.*—Also at Garscadden, parts of the buildings were converted for use as a decontamination centre and mortuary. Teams of employees of the County Council and workers in the area who volunteered were trained in decontamination duties. A centre for this purpose was also opened and prepared at Craiglinn, Condorrat, and a mortuary was also arranged at Drumglass School. Experienced men outwith the service of the local authority volunteered to act in the capacity of mortuary superintendents and their services were readily accepted.

During the air raids on 13th and 14th March, 1941, these services and premises were fully utilised.

*Salvage.*—The scheme instituted and controlled from this department to assist the war effort is still in operation. With the co-operation of the ratepayers, W.V.S., boys' and girls' organisations, and the willing efforts of the staffs, the total tonnage of material collected for the years 1939-1945 was 2678 tons, 12 $\frac{1}{4}$  cwt., and the sale of the material realised the sum of £10,024 7s. 3d.

A description of the materials salvaged each year, tonnage, and the amount realised following disposal to dealers is shown in Table XXXI.



The successful operation of the war-time services conducted from this department was simplified by the ready response from the residents in the area, who spared no effort to assist in every way possible.

I am, Ladies and Gentlemen,

Your Obedient Servant,

J. D. M'KENDRICK,  
*County Sanitary Inspector.*

## REPORT BY COUNTY ENGINEER.

24 GEORGE SQUARE,  
GLASGOW, C.2, 4th December, 1946.

LADIES and GENTLEMEN,

This Report will summarise the matters that have been placed before you during the years 1941-1945.

### WATER SUPPLY GENERAL.

Consideration was given to the legislation in connection with water supply as undernoted:—

White Paper on National Water Policy.

Rural Water Supplies and Sewerage Act, 1944.

Schemes for the improvement of water supply were considered under the provisions of the Rural Water Supplies and Sewerage Act, 1944, and individual schemes will be referred to later.

The County Regional Scheme was formulated to supply all the County area including all Burghs, with additional water supply from Loch Sloy. Before the publication of the North of Scotland Hydro-Electric Board Project No. 1, to utilise Loch Sloy as a source of a Hydro-Electric Supply, negotiations took place with the Hydro-Electric Board in an endeavour to utilise the source for the dual purpose of water and electricity supply but no agreement could be reached.

On publication of the scheme the Council lodged objections and after inquiry the Commissioner ruled that in the public interest he favoured the use of Loch Sloy as suggested by the North of Scotland Hydro-Electric Board as a Hydro-Electric Scheme. A Petition was presented to Parliament but before debate adjustments were made with the Board whereby a supply of water was granted subject to certain conditions, and the Petition was withdrawn.



The Agreement is that the Council may draw up to one million gallons per day free and on exceeding that amount the County Council will pay to the Board £55,000 and will be permitted to extract from Loch Sloy a total of 3,000,000 gallons per day, for water supply purposes. This arrangement should ensure an adequate water supply to the County for many years to come.

A Regional Scheme for the County using the water obtained from Loch Sloy has been submitted to the Secretary of State for a grant.

The Secretary of State has submitted to the County Council a Regional Scheme to construct a reservoir in Luss Glen and carry out the Catchment Works at Burncrooks Reservoir as provided for under the Clydebank and District Water Trust Act, 1943. The distribution pipe from the Reservoir to be constructed in Luss Glen follows approximately the line of the County Scheme from Helensburgh to Duntocher. It is proposed to construct a new main from Burncrooks along Stockiemuir Road and Duntocher Road to join with this main at Duntocher, and filters will be provided at Loch Finlas and at the Whangie, on the Stockiemuir Road.

The Department has also submitted a Scheme for the detached portion of the County, and it is proposed to link this portion with the Stirlingshire Scheme. The main source of supply will be Carron Reservoir. Two trunk mains are provided through the County area. The main is a ring main linked to the west and east of Carron Reservoir. These schemes are at present under consideration and no indication has been given as to what grant will be available.

The Arns area in the Parish of Cumbernauld has been added to the Cumbernauld Supplementary Water Area and the water main provided is making available to the consumers a satisfactory water supply. The main, constructed by the County Council, has been handed over to the Lanark County Council who will maintain it in future.

The consumers at Croy and Twechar complained about an intermittent supply of water. A water tank was constructed behind the Housing Scheme at Croy at the expense of the



County Council. This arrangement has proved valuable in the peak periods of demand and a satisfactory supply is now being maintained. The tank has been handed over to the Lanark County Council who are responsible for its maintenance. The Lanark County Council carried out improvements by the installation of an additional tank at Twechar, and the consumers in this area are receiving an improved supply. Further improvements are in course of consideration.

The Mutual Assistance Scheme between Local Authorities proved very satisfactory in the Dunbartonshire Region and was operated in 1941 on two occasions. At Clydebank the assistance of Local Authorities proved very beneficial in restoring the water supply to the town, and the arrangements made proved adequate to meet the emergency. Similar arrangements had to be carried out in connection with Cardross, and again the water supply was restored satisfactorily.

#### SPECIAL DISTRICTS.

*Arrochar Special Water Supply District.*—Adequate supply of water was stored in the reservoir and the water mains maintained an ample supply to the consumers within the District. Special arrangements were made to supply the naval establishment and the shipping stationed in the Loch.

*Gareloch Special Water Supply District.*—The water supply to the consumers was maintained with difficulty owing to the demand for water for military establishments. The reservoirs at Whistlefield and Rhu were the only storage available, but the intake constructed in the Auchingeich Burn provided a very valuable asset.

Domestic consumers were not restricted for water supply, but it was found necessary to limit the quantity of water to military establishments.

The reservoirs and the water mains were maintained in a satisfactory condition, but for the repairs that were necessary the services of the Council staff in the adjacent areas had to be obtained.

The War Department entered into an Agreement with the Council to construct and enlarge the proposed reservoir at



Auchingeach and took over the construction work in 1941. The proposal was to increase the storage of the reservoir from 16 million gallons to 60 million gallons capacity. Delays were experienced due to changes of military personnel employed on the constructional work, but the reservoir was ultimately finished in 1945. To meet the demands of the military and naval establishments the War Office augmented the clear water tank at Bellfield and laid a 6 in. diameter water main to Rosneath, terminating there with a clear water reserve tank.

The estimated cost of the additional work is £105,000.

The amount of work carried out by Mr. John Freebairn on the Reservoir was adjusted at £26,093 8s. 2d.

Emergency chlorination plants were installed to treat the water supply from Rhu Reservoir, Whistlefield Reservoir and Auchingaich source, but as directed by the Secretary of State these chlorination plants were put into constant use and are still being operated.

Owing to the road diversion for the Port of Faslane it was necessary to divert the water main at a cost of £322 7s. 6d.

#### CARDROSS, RENTON AND VALE OF LEVEN SPECIAL WATER SUPPLY DISTRICT.

*Cardross Area.*—The supply to the District was satisfactorily maintained from the supplies available at Asker and Carman Reservoirs. To meet with emergency a gas chlorination plant was installed in Asker Filters, but as directed by the Secretary of State, the plant was put into continuous operation and this supply of water is chlorinated at the source.

The water mains in the District were damaged by enemy action in 1941, but repairs were speedily carried out.

*Renton Area.*—The supply of water from the Reservoir had to be augmented from a supply from Overtoun Reservoir during the summer months, but an adequate supply to the consumers was maintained by the water mains. The pressure filters and the sand filters continue to meet all demands.



To provide for any emergency that might arise, the District was connected to the Burgh of Dumbarton and the cost of the connecting main was borne in equal shares by both Authorities.

A temporary chlorination plant was installed to meet emergency, but following further instructions from the Secretary of State this apparatus has been in constant use and all water delivered is being chlorinated.

The necessary inspection under the Reservoir Safety Provisions Act, 1930, was carried out and the report of the Inspector had no recommendations for any alterations to be made, and suggested that the next period of inspection should be in not later than 10 years time.

*Vale of Leven Area.*—The supply of water in store at Loch Finlas Reservoir was adequate to meet all purposes. The pressure filters at Loch Finlas and the rapid gravity filters at Overtoun maintained a satisfactory supply to the consumers, but at certain peak periods the top water level at Overtoun was not maintained due to encrustation on the main from Loch Finlas, and this matter will require to receive attention in the near future.

In connection with Finlas Reservoir an inspection under the Reservoir Safety Provisions Act, 1930, was carried out and the report received by the County indicated that no alterations in the reservoir were necessary, and that it will not be necessary to carry out further inspection for a period of 10 years.

Two small extensions of water mains were made to supply water to Gartinwall and Gartinbantrick Farms, within the Parish of Kilmaronock.

The anticipated building development in the Strathleven Estate did not materialise, but certain works had to be carried out to meet military demands for water supply in that area.

As a precautionary measure, chlorination plants were installed at Overtoun Filters and Ledrismore Clear Water Tank, but on instructions from the Secretary of State the



plants were put into operation and the supply of water to this area is being chlorinated.

*Bowling Special Water Supply District.*—A satisfactory supply of water was maintained to the consumers within the District. Under Section 14 of the Dumbarton Burgh (Water, &c.) Order, 1914, the supply of water at the reservoir was supplemented, but owing to the increased demand for water supply for shipping, due to the war emergency, a bulk supply was obtained at certain periods by private arrangement with the Town Council of the Burgh of Dumbarton.

The 6 in. diameter water main connecting this district supply with the private supply at Bowling proved valuable in maintaining the water supply at Old Kilpatrick when considerable damage was done to the latter supply by enemy action.

A temporary chlorination plant was installed for emergency purposes, but on directions issued by the Secretary of State the water supply is receiving continuous chlorination.

*Old Kilpatrick Water.*—By arrangement with the Lennoxlove Estates, Ltd., who are the owners of the private supply the maintenance of this water supply is under the care of the Water Superintendent for Bowling District. A satisfactory supply was maintained to the consumers within the area of supply.

*Waterside Special Water Supply District.*—The bulk supply of water obtained from the Burgh of Kirkintilloch was sufficient to maintain the supply.

*Clydebank and District Water Trust.*—The water supply within the County area, which includes Duntocher and Hardgate, was maintained satisfactorily.

*Bearsden Area.*—The Glasgow Corporation was responsible for the water supply within the Bearsden Area. The supply was maintained satisfactorily.

*Drainage—General.*—Under the Rural Water Supplies and Sewerage Act, 1944, schemes have been submitted in connec-

tion with various existing Special Districts to the Secretary of State, and these schemes are detailed under the respective Special Districts.

Consideration was also given to provide schemes for areas where there is a concentration of population, at Rosneath, Clynder, Shandon, Luss, Croftamie and Cumbernauld South.

Final decision regarding these schemes has been delayed until intimation is received from the Secretary of State regarding the amount of grant that would be available to assist the Council in proceeding with providing the necessary facilities.

The arrangements made regarding the Mutual Aid Scheme with the various Local Authorities in the County to deal with damage to sewers in event of enemy action was completed, but owing to the small amount of damage it was unnecessary to assist any Local Authority or request assistance from any other Local Authority.

Advantage was taken, however, of the materials stored at Dalmoak, Hardgate and Croy for emergency purposes.

#### SPECIAL DISTRICTS.

*Arrochar Special Drainage District.*—The drainage scheme for the District is operating satisfactorily and all properties within the District have been connected to the sewers.

A scheme for the extension of the District to include Tarbet is being considered by the Council.

*Garelochhead Special Drainage District.*—Owing to the difficulty of obtaining labour, the drainage scheme, after being curtailed by the Scottish Home Department, could not be completed and drainage facilities are not yet provided for the District. The Council have under consideration the completion of the scheme at an early date.

*Rhu Special Drainage District.*—The drainage facilities provided for the District were maintained satisfactorily and certain facilities were given to war establishments situated in this area.



*Craigendoran Special Drainage District.*—The sewers and detritus tanks in the area continue to function satisfactorily.

*Vale of Leven and Renton Special Drainage District.*—The results obtained from the analyses of the samples of effluent and of the River Leven, taken periodically, were satisfactory.

The sewers continue to deal adequately with the domestic sewage from the properties within the area.

An additional sewer was provided at Arthur Street, Alexandria, at a cost of £2509 15s. Arrangements were made with the Vale of Leven Gas Company for discharging concentrated liquor from the gas plant into the sewer. This arrangement is temporary, subject to the Gas Company installing a plant in their works to deal with the ammoniacal liquor. Facilities were provided to enable the Scottish Special Housing Association to discharge sewage from the houses at Cordale, Renton, into the Council sewer.

A scheme to extract the surface water from the sewers is at present under consideration by the Council.

*Gartocharn Special Drainage District.*—As the Council was not permitted to construct sewage disposal works this District is still without complete drainage facilities. It is hoped that authority and a suitable grant will be given to enable the work to be undertaken at an early date.

*Bowling Special Drainage District.*—At Bowling the drainage facilities were satisfactorily maintained throughout the area. The curtailed scheme of drainage at Milton could not be operated to deal with the drainage and the Council are at present considering the completion of the scheme at an early date. Satisfactory maintenance of the sewers was carried out within the above District.

Additional drainage facilities are being provided at Freeland's Place for the Housing Scheme, at an estimated cost of £730.

The joint scheme with Clydebank Town Council to deal with the portion of the District at Freeland's Place is again receiving consideration.



*Duntocher Special Drainage District.*—During the years the sewers were maintained satisfactorily in this District. The drainage scheme completed in 1940 provided very satisfactory facilities for the District.

Additional sewer facilities for housing at Auchentoshan are being provided at an estimated cost of £425.

*Bearsden Special Drainage District.*—The sewers and pumping stations were satisfactorily maintained throughout the years. Drainage facilities were overtaxed at times of flooding and overflows from the sewers were constructed at Drumchapel, Station Road, and Hillfoot, in order to relieve the sewers.

The Council have under consideration a scheme to provide an extra intercepting sewer to deal with the drainage of this area.

*Condorrat Special Drainage District.*—The sewers and pumping station were adequate to deal satisfactorily with the drainage of the area, but the quantity of sewage to be dealt with is overtaxing the sewage works.

A scheme to provide new sewage works and dispense with the pumping station is receiving consideration by the Council.

*Cumbernauld Special Drainage District.*—The sewage works and the sewers within the District were maintained satisfactorily and no complaints were received regarding the discharge of the effluent from the sewage works.

*Dullatur Special Drainage District.*—The sewage works and the sewers for this area were maintained and were adequate to deal with the drainage of the District.

*Waterside Special Drainage District.*—The drainage facilities provided were maintained satisfactorily throughout the years. Consideration is being given to extending the District and to providing complete purification works.

*Croy Special Drainage District.*—The sewage works and the sewers were satisfactorily maintained through the years.



## CINEMATOGRAPH ACT, 1909.

The premises holding licences under the above Act were inspected during the years and found to be complying with the conditions set forth in the licences granted by the Council.

The premises concerned are as undernoted :—

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.

## TOWN AND COUNTRY PLANNING.

*Legislation.*—By the coming into operation of the Town and Country Planning (Interim Development) (Scotland) Act, 1943, all land in the County not already included in an area under Planning control became subject to a Planning Resolution deemed to have been approved by the Local Authority and the Secretary of State for Scotland as from 11th February, 1944.

An important Section of the new Act was that the Local Authority was given power to enforce control of development between the period of the passing of a resolution to prepare a scheme and its coming into operation. This was not previously possible. Further planning legislation made by the Town and Country Planning (Scotland) Act, 1945, dealt principally with areas of extensive war damage, acquisition of land for certain Planning purposes and compensation in connection with acquisition of land for public purposes.

It is anticipated that the Secretary of State will make a further General (Interim Development) Order applicable to Scotland during 1946.

Under the new legislation, plans were prepared for each of the Planning Schemes in the County to include mainly built-up areas and moorlands, previously excluded from Planning Resolutions.

*Fact Finding Surveys.*—At the request of the Department of Health for Scotland, the undernoted extensive and detailed



fact finding surveys were carried out for all the built up areas in the County :—

Map No.1.—Indicates the classification of all buildings.

Map No. 2.—Shows the existing services of water supply, drainage, gas and electricity.

Map No. 3.—Land under public ownership or belonging to Statutory Undertakings.

*Housing Development.*—Throughout the years 1941-1944 the number of applications submitted for approval was greatly reduced. The applications received were principally for agricultural buildings, garages and out-houses, incidental to dwelling houses.

In 1945 approximately 300 applications were dealt with, under the General Interim Development Order, 1933, and the Town and Country Planning (Interim Development) (Scotland) Act, 1943, showing a marked increase over the previous 4 years.

The applications included layout development for permanent and temporary houses at Alexandria, Duntocher, Jamestown, Old Kilpatrick, Renton, Condorrat, and Twechar, in the Landward Area of the County, and at Helensburgh and Kirkintilloch and Milngavie in the small Burghal Areas.

*Industry.*—Plans of proposed industrial sites, several with suitable industrial buildings on them, were prepared together with details of the relevant services and other information pertaining to the sites. Copies of these plans and data were submitted to the Board of Trade for their perusal.

The suggested sites were located at Castlecary and Cumbernauld South in the Detached Portion of the County, and at Craigton, north of Milngavie, at Duntocher, Old Kilpatrick, Bowling, Milton, and the Vale of Leven.

The Council suggested that there should be set out an Industrial Estate on a site at Strathleven, and is supported in the proposal by the Planning Consultant of the Clyde Valley Regional Planning Advisory Committee. Negotiations are proceeding to interest the appropriate Government Department in the project.



Following a number of inquiries and visits by industrialists to the above sites, in conjunction with representatives of the Board of Trade, Glasgow, and the Department of Health, Edinburgh, portions of the U.T.R. Works at Dalquhurn, and a site at Jamestown, have been rented or acquired for light industry.

It is anticipated that larger concerns, attracted by the locations and available facilities at the respective sites, may decide to open up new industries in the County.

*Electricity Supply.*—Applications have been approved for the construction of low tension and extra high tension overhead electricity supply lines and underground cables throughout the County, for housing developments, agricultural subjects and industrial undertakings, by the Clyde Valley Electrical Power Company, Glasgow; the Scottish Central Electric Power Company, Stirling, and Messrs. Bairds and Scottish Steel Ltd., Glasgow.

An overhead extra high tension electricity supply line from Garelochhead to Coulport was also erected, after approval, by the Clyde Valley Electrical Power Company for Admiralty purposes.

*Clyde Valley Regional Planning Advisory Committee.*—The survey work commenced by the Clyde Valley Regional Planning Advisory Committee in February, 1944, for the Clyde Valley Regional Plan, under the direction of Professor Abercrombie, Planning Consultant to the Committee, has been completed.

In this connection all the data computed from the Fact Finding Survey Maps of the County has been made available for the consideration of the Planning Consultant.

Questionnaires relating to detailed information of all Drainage and Water Supply facilities in built up areas of the County have also been submitted to Professor Abercrombie for his use in the preparation of the Clyde Valley Regional Planning Scheme.

An Interim Report on Housing sites proposed by Local Authorities under their Local Planning Schemes was sub-

mitted by the Consultant to each Local Authority within the Region, in September, 1944.

The clerk to the Advisory Committee reported at the December meeting, 1945, that the collation of data for the Regional Scheme was well advanced and that the main planning features of the scheme were about to be outlined.

*Preparation of Schemes.*—Extension of the periods during which Draft Scheme Maps were to be prepared has been made uniform for all Planning Schemes until 11th February, 1949, by the Department of Health for Scotland.

The preparation of Planning Schemes was suspended during the war years, but it is expected an early start will be made to complete the Schemes.

#### GENERAL.

Under Section 131 of the Public Health (Scotland) Act, 1897, the boundaries of the undernoted Special Districts were extended in 1943:—

Bowling Special Water Supply District.

Kilpatrick and Bowling Special Lighting District.

Kilpatrick and Bowling Special Scavenging District.

In accordance with Section 44 (1) (b) of the Local Government (Scotland) Act, 1894, the boundaries of Cardross Special Scavenging District were extended in 1945.

I am, Ladies and Gentlemen,

Your obedient Servant,

MALCOLM ROSS.

*County Engineer.*









