

[Report 1928] / School Medical Service, Dunbarton County Council.

Contributors

Dunbartonshire (Scotland). County Council. School Medical Service.

Publication/Creation

1928.

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EDUCATION AUTHORITY OF THE COUNTY
OF DUMBARTON.

Eighteenth Annual Report

on the

MEDICAL INSPECTION OF
SCHOOL CHILDREN

1928 - 1929.

(Year ending 31st July, 1929)

KIRKINTILLOCH
PRINTED BY D. MACLEOD, LTD.

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STAFF
REPORT
MEDICAL INSPECTION AND
TREATMENT OF
CHILDREN IN THE COUNTY

PREFACE.

To the Education Authority
of the County of Dumbarton.

LADIES AND GENTLEMEN,

I herewith submit the Eighteenth Annual Report on the Medical Inspection of Children attending schools in the County, which has been compiled by the Medical Officers.

The Section relating to Medical and Mental Treatment has been drawn up from returns supplied by the various officials concerned.

The figures now presented do not vary appreciably from those submitted in previous years. It is of interest, however, to note that the general health and cleanliness of the children is being maintained and that the records of heights and weights (see Table 7-F) reveal that the average at nearly all age periods is above not only the Anthropometric Standard but also the County Standard which was compiled a few years ago.

In view of the alteration in administration due to the provisions of the Local Government (Scotland) Act, 1929, I have inserted a detailed statement regarding the Medical Inspection and Treatment Scheme at present in force in the County, which will be made available for the new Committees to be appointed in December of this year.

I am,

Your obedient Servant,

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

88 COLLEGE STREET,
DUMBARTON, September, 1929.

Education Authority of the County of Dumbarton.

SCHOOL MEDICAL STAFF.

Supervising School Medical Officer.

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

School Medical Officers.

MILDRED M. L. CATHELS, M.B., D.P.H.

ANDREW D. COWAN, M.B., D.P.H.

Dental Surgeons.

ALFRED C. S. MARTIN, L.D.S.

ELIZABETH M'KENDRICK, L.D.S.

VERA PUGH, L.D.S.

M. WYDNER, L.D.S. (part time).

Ophthalmic Surgeon.

JAMES N. TENNENT, M.B., D.O.M.S., B.So.

(part time).

Ear, Nose, and Throat Specialist.

JAMES KERR LOVE, M.D. (part time).

Dermatologist.

J. GOODWIN TOMKINSON, M.D. (part time).

Inspection and Clinic Nurses.

M. GILMOUR.

E. LYLE.

C. M. JEFFREY.

E. YULE.

S. DOUGHERTY.

E. STEVENSON.

*C. B. CLARKE.

J. SCOTT.

Nurses for Special Schools.

J. L. THOMSON.

J. MACDONALD.

Dental Attendants.

ANNIE RAE.

ALLISTER FINLAYSON.

**MARGARET CRUICKSHANK.

MARION A. W. JAMIESON.

Clerks (part time).

GEORGE S. BROWNE.

AGNES M'M. KENNEDY.

*Nurse Clarke died 5th October, 1928.

**Miss Cruickshank resigned 18th January, 1929.

REPORT

ON THE

MEDICAL INSPECTION AND TREATMENT OF SCHOOL CHILDREN IN THE COUNTY OF DUMBARTON.

1.—List of Staff.

See page 5.

2.—(a) Number of Schools.

SCHOOL MANAGEMENT AREA.

Cumbernauld,	6
Kirkintilloch,	6
New Kilpatrick,	5
Old Kilpatrick,	12
Dumbarton,	8
Vale of Leven,	11
Helensburgh,	13
Total,	<u>61</u>

(b) Number of Children on Register and in Average Attendance.

School Management Area.	Average on Roll.	Average Attending.	Per Cent.
Cumbernauld,	958.8	837.5	84.2
Kirkintilloch,	3,423.8	3,109.1	90.8
New Kilpatrick, ..	1,313.3	1,177.5	89.6
Old Kilpatrick, ..	10,582.0	9,334.6	88.2
Dumbarton,	4,863.8	4,317.8	88.7
Vale of Leven,	3,816.5	3,298.4	86.4
Helensburgh,	1,726.4	1,486.7	86.1
Total, ..	26,684.6	23,561.6	88.2

3.—Number of Visits for Systematic Examination.

NOTE.—One whole day spent in school counts as two visits (morning and afternoon sessions).

Number of visits as above, 522

4.—Number of Special Visits by Medical Officers.

For re-examination of defective children,	4
For examination of backward or mentally or physically defective children,	66
For inquiry about outbreaks of infectious disease,	3
For examinations for employment licences,	4
Attendances at Clinics,	228
Attendances at Committee meetings, office work, etc.,	66

5.—Sanitary Condition of Schools.

The following improvements in the sanitary arrangements have been carried out during the year.

At St. Mary's R.C. School, Duntocher, 2 new hygienic drinking fountains have been installed.

The new lavatory accommodation at Vale of Leven Academy (existing school) has now been completed, and is proving very satisfactory.

The new primary school in Argyle Street, Alexandria, will be ready for occupancy when the schools re-open after the Summer Vacation. This scheme includes adequate and modern lavatory accommodation.

In Knoxland Public School, Dumbarton, several of the old cloakroom basins have been replaced by a more modern type.

Alterations carried out in Lairdsland Public School, Kirkintilloch, included the provision of a new room for the Head Teacher, with suitable lavatory accommodation.

The lavatory accommodation for Junior Girls at Milngavie Public School has been completely modernised.

The alterations to Westermains House, Kirkintilloch, have now been completed, and the scheme makes provision for ample and modern cloakroom fittings and lavatory accommodation.

6.—A, B, C, D, and E.—Organisation and Administration, etc., and Co-ordination with Public Health Departments.

For outlines of organisation and administration see Reports 1914-1915, pages 7-8 ; and 1922-23, pages 7-8.

Nurse C. B. Clarke died on 5th October, 1928, after a few days' illness. Nurse Young did temporary duty until December 17th, when Nurse Jane Scott commenced duty.

Miss Cruickshank resigned 18th January, 1929, and Miss Marion Jamieson took temporary duty from 21st January, and was appointed as dental assistant on 18th March, 1929.

6.—F. Parents Present at Inspection.

School Management Area.	Number of Children Examined.	No. of Parents Present at Routine Examinations.	Per Cent.	No. of Parents Present at Non-Routine Examinations
Cumbernauld,	300	52	17.3	24
Kirkintilloch,	1051	314	29.9	30
New Kilpatrick,	416	132	31.7	1
Old Kilpatrick,	3187	1354	42.5	282
Dumbarton,	1463	397	27.1	333
Vale of Leven,	1235	571	46.2	441
Helensburgh,	580	219	37.7	214
Total,	8232	3039	36.9	1325

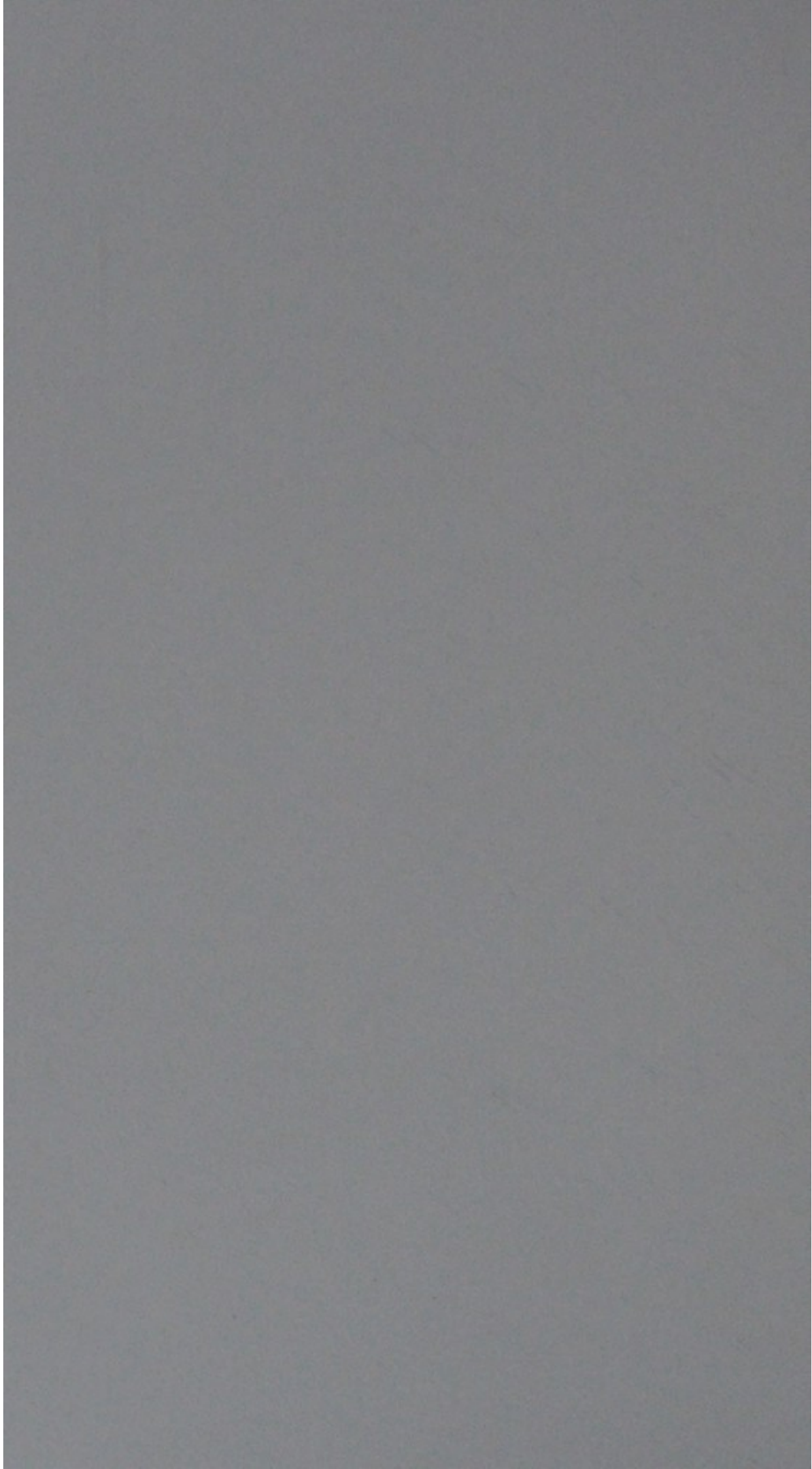
7.—The Physical Condition of the School Children.

A.—Total Number of Children Examined.

SCHOOL MANAGEMENT AREA.	ROUTINE CASES.														
	Entrants.			Age 8.			Age 12.			Age 16.			Total.		
	Aver. Age.	Boys.	Girls.	Total.	Aver. Age.	Boys.	Girls.	Total.	Aver. Age.	Boys.	Girls.	Total.	Boys.	Girls.	Total.
Cumbernauld,	5½	68	36	104	8½	57	51	108	12½	42	46	88	167	133	300
Kirkintilloch,	5½	138	182	320	8½	192	180	372	12½	168	173	341	504	547	1051
New Kilpatrick,	5½	86	73	159	8½	78	64	142	12½	54	51	105	224	192	416
Old Kilpatrick,	5½	586	582	1168	8½	543	495	1038	12½	459	500	959	1603	1584	3187
Dumbarton,	6	215	204	419	8½	238	236	474	12½	240	266	506	724	739	1463
Vale of Leven,	6	238	206	444	8½	248	225	473	12½	154	146	300	650	585	1235
Helensburgh,	5½	96	101	197	8½	104	107	211	12½	69	79	148	280	300	580
Total,	5½	1427	1384	2811	8½	1460	1358	2818	12½	1186	1261	2447	4152	4080	8232
										79	77	156			2678

7.—B. Number of Children notified to Parents as suffering from Defects.

SCHOOL MANAGEMENT AREA.		CUMBERNAULD.			KIRKINTILLOCH.			NEW KILPATRICK.			OLD KILPATRICK.			DUMDEARTON.			VALE OF LEVEN.			HELENSBURGH.			TOTAL.		
Number of Routine Cases examined, ..		300			1051			416			3187			1463			1235			580			8232		
CARD.	DEFECT.	Routine.		Non-Routine.	Routine.		Non-Routine.	Routine.		Non-Routine.	Routine.		Non-Routine.	Routine.		Non-Routine.	Routine.		Non-Routine.	Routine.		Non-Routine.	Routine.		Non-Routine.
		No.	Per Cent.		No.	Per Cent.		No.	Per Cent.		No.	Per Cent.		No.	Per Cent.		No.	Per Cent.		No.	Per Cent.		No.	Per Cent.	
A.	Vermin on Nits on Head, ..	3	0.9	..	13	1.2	..	2	0.4	..	114	3.5	3	100	13.6	3	135	10.9	..	29	5.0	2	495	6.0	8
G.	Vermin on Clothing,	6	1.9	..	4	0.4	..	..	..	..	11	0.3	1	11	0.7	..	8	0.6	..	3	0.5	2	43	0.5	3
J.	Unsatisfactory Footgear, ..	3	0.9	1	2	0.2	..	2	0.4	..	3	0.09	1	1	0.06	..	3	0.2	..	..	..	..	14	0.1	2
K.	Unsatisfactory Clothing, ..	1	0.3	..	2	0.2	..	..	..	..	12	0.3	..	34	2.3	..	13	1.0	..	4	0.6	..	66	0.8	..
D.	Tonsils and Adenoids,	5	1.6	2	11	1.0	1	3	0.7	3	116	3.6	41	167	11.4	71	124	10.0	63	54	9.3	19	480	5.8	200
E.	Ear Disease,	2	0.6	1	..	..	..	..	..	..	12	0.3	7	6	0.4	1	3	0.2	..	..	..	..	23	0.2	9
H.	Defective Vision and Eye Disease,	9	2.9	2	42	4.0	14	4	0.9	2	113	3.4	82	107	7.3	53	65	5.2	41	32	5.5	32	372	4.5	226
M.I.M.T.	Other Diseases,	..	..	..	..	..	..	1	0.2	..	1	0.03	..	1	0.06	..	..	..	..	..	..	..	3	0.03	..
U.M.T.	Already under Treatment, ..	1	0.3	1	10	0.9	3	7	1.6	3	41	1.2	14	18	1.2	..	17	1.3	..	3	0.5	..	97	1.1	21
P.A.	Parents Advised,	15	4.9	24	81	7.7	30	21	5.0	1	444	13.9	282	394	26.9	333	556	45.0	441	100	33.8	214	1707	20.7	1325
Total,		45	..	31	165	..	48	40	..	9	807	..	431	938	..	461	924	..	145	321	..	269	3300	..	1794



7.—D. Clothing.

School Management Area.	No. of Routine cases examined.	SUFFICIENCY.						REPAIR.						CLEANLINESS.											
		Good.		Medium.		Bad.		Non-Routine.		Good.		Medium.		Bad.		Non-Routine.		Good.		Medium.		Bad.		Non-Routine.	
		No.	%	No.	%	No.	%	Bad.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Cumbernauld,	Boys,	167	100.0	..	..	..	..	..	..	163	97.6	3	1.8	1	0.6	161	96.4	6	3.6	..	..	..	..	..	..
	Girls,	133	100.0	..	..	..	..	..	..	132	99.3	1	0.7	..	..	132	99.3	1	0.7	..	..	..	..	..	..
	Total,	300	100.0	..	..	..	..	..	..	295	98.4	4	1.3	1	0.3	293	97.7	7	2.3	..	..	..	..	3	..
Kirkintilloch,	Boys,	504	99.2	4	0.8	..	..	..	..	495	98.2	7	1.4	2	0.4	498	98.8	4	0.8	2	0.4	..	..	..	..
	Girls,	547	99.3	4	0.7	..	..	..	..	541	98.9	6	1.1	..	..	539	98.6	8	1.4	..	..	..	..	..	..
	Total,	1051	99.3	8	0.7	..	..	..	1	1036	98.6	13	1.2	2	0.2	1037	98.7	12	1.1	2	0.2	..	..	..	..
New Kilpatrick,	Boys,	224	100.0	..	..	..	..	..	..	222	99.2	1	0.4	1	0.4	223	99.6	1	0.4	..	..	..	..	..	..
	Girls,	192	100.0	..	..	..	..	..	..	192	100.0	..	..	..	..	192	100.0	..	..	..	..	..	..	..	..
	Total,	416	100.0	..	..	..	..	..	..	414	99.6	1	0.2	1	0.2	415	99.8	1	0.2	..	..	..	..	..	..
Old Kilpatrick,	Boys,	1603	99.5	6	0.4	1	0.06	..	..	1556	97.1	42	2.6	5	0.3	1559	97.3	39	2.4	5	0.3	..	..	..	..
	Girls,	1584	99.8	3	0.2	..	..	..	..	1539	97.2	42	2.6	3	0.2	1546	97.7	36	2.2	2	0.1	..	..	..	..
	Total,	3187	99.6	9	0.3	1	0.03	1	0.03	3095	97.2	84	2.6	8	0.2	3105	97.5	75	2.3	7	0.2	..	..	..	..
Dumbarton,	Boys,	724	99.2	6	0.8	..	..	..	..	595	82.2	121	16.7	8	1.1	631	87.2	87	12.0	6	0.8	..	..	..	..
	Girls,	739	98.9	8	1.0	1	0.1	..	..	590	79.9	141	19.1	8	1.0	651	88.2	80	10.8	8	1.0	..	..	..	..
	Total,	1463	98.5	14	0.9	1	0.06	..	..	1185	81.0	262	17.9	16	1.1	1282	87.7	167	11.4	14	0.9	1	..	..	..
Vale of Leven,	Boys,	650	99.9	1	0.1	..	..	..	..	536	82.6	113	17.3	1	0.1	587	90.4	59	9.0	4	0.6	..	..	..	..
	Girls,	585	99.4	4	0.6	..	..	..	..	477	81.6	104	17.7	4	0.7	512	87.6	70	11.9	3	0.5	..	..	..	..
	Total,	1235	99.6	5	0.4	..	..	..	..	1013	82.1	217	17.5	5	0.4	1099	89.1	129	10.4	7	0.5	..	..	..	..
Helensburgh,	Boys,	280	100.0	..	..	..	..	..	..	256	91.5	22	7.8	2	0.7	263	94.0	16	5.7	1	0.3	..	..	..	..
	Girls,	300	100.0	..	..	..	..	..	..	264	88.1	35	11.6	1	0.3	283	94.4	17	5.6	..	..	..	..	..	..
	Total,	580	100.0	..	..	..	..	..	..	520	89.7	57	9.8	3	0.5	546	94.3	33	5.6	1	0.1	13	..	..	..
Total,	Boys,	4152	99.5	17	0.4	1	0.02	..	..	3823	92.2	309	7.4	20	0.4	3922	94.5	212	5.1	18	0.4	..	..	..	..
	Girls,	4080	99.5	19	0.4	1	0.02	..	..	3735	91.6	329	8.0	16	0.4	3855	94.5	212	5.2	13	0.3	..	..	..	..
	Total,	8232	99.5	36	0.4	2	0.02	2	0.02	7558	91.9	638	7.7	36	0.4	7777	94.5	424	5.1	31	0.3	17	..	..	..

7.—E. Footgear.

SCHOOL MANAGEMENT AREA.	Number Examined.	ROUTINE CASES.						NON-ROUTINE.		
		Good.		Medium.		Bad.		None.		Bad.
		Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	
Cumbernauld,	Boys,	160	95.8	4	2.4	1	0.6	2	1.2	..
	Girls,	132	99.3	1	0.7	..	..	..	..	..
	Total,	292	97.5	5	1.6	1	0.3	2	0.6	..
Kirkintilloch,	Boys,	497	98.6	4	0.8	3	0.6	..	..	..
	Girls,	542	99.2	2	0.3	3	0.5	..	..	..
	Total,	1039	98.8	6	0.6	6	0.6	..	..	..
New Kilpatrick,	Boys,	222	99.2	..	..	1	0.4	1	0.4	..
	Girls,	191	99.5	1	0.5	..	..	..	..	..
	Total,	413	99.4	1	0.2	1	0.2	1	0.2	..
Old Kilpatrick,	Boys,	1572	98.1	23	1.4	7	0.4	1	0.06	..
	Girls,	1584	98.9	17	1.0	2	0.1	..	..	..
	Total,	3137	98.5	40	1.2	9	0.2	1	0.03	1
Dumbarton,	Boys,	657	90.8	47	6.5	15	2.0	5	0.7	..
	Girls,	682	92.5	49	6.5	8	1.0	..	..	..
	Total,	1339	91.7	96	6.5	23	1.5	5	0.3	..
Vale of Leven,	Boys,	595	91.7	43	6.6	5	0.7	7	1.0	..
	Girls,	550	94.2	27	4.5	7	1.2	1	0.1	..
	Total,	1145	92.9	70	5.6	12	0.9	8	0.6	..
Helensburgh,	Boys,	270	96.5	7	2.5	1	0.3	2	0.7	..
	Girls,	290	96.8	8	2.6	2	0.6	..	..	..
	Total,	560	96.7	15	2.5	3	0.5	2	0.3	..
Total,	Boys,	3973	95.7	128	3.1	33	0.8	18	0.4	..
	Girls,	3952	96.9	105	2.5	22	0.5	1	0.02	..
	Total,	7925	96.4	233	2.8	55	0.6	19	0.2	1

7.—F. Average Heights and Weights in Inches and Pounds.

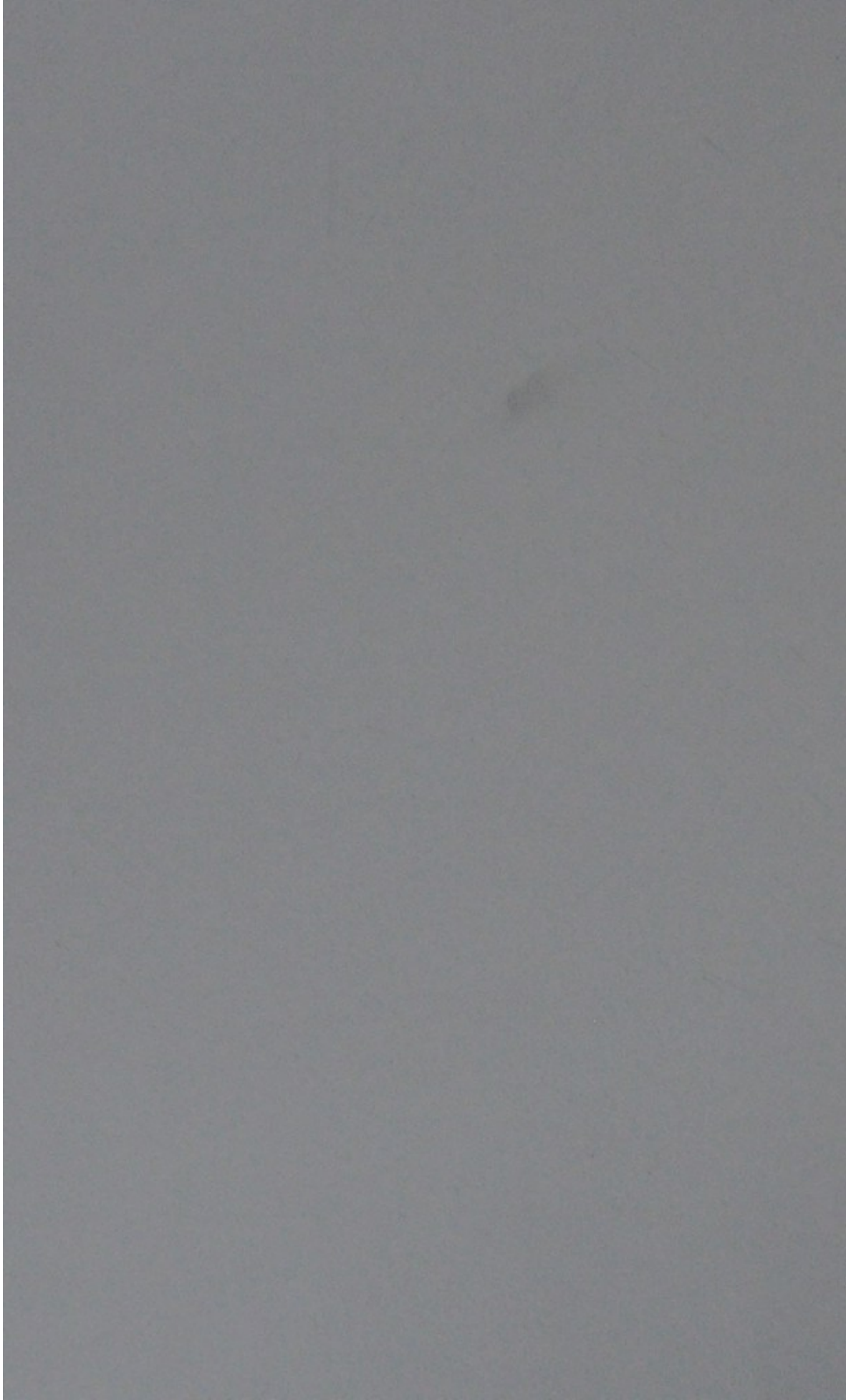
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SCHOOL NAME	BOYS												GIRLS																																				
	Extras.				Age 8.				Age 12.				Extras.				Age 8.				Age 12.				Age 16.																								
	Number Examined.	Average Age.	Height.	Weight.	Number Examined.	Average Age.	Height.	Weight.	Number Examined.	Average Age.	Height.	Weight.	Number Examined.	Average Age.	Height.	Weight.	Number Examined.	Average Age.	Height.	Weight.	Number Examined.	Average Age.	Height.	Weight.	Number Examined.	Average Age.	Height.	Weight.	Number Examined.	Average Age.	Height.	Weight.																	
																																	Anthropometric Standard.	Anthropometric Standard.	Anthropometric Standard.	Anthropometric Standard.	Anthropometric Standard.	Anthropometric Standard.	Anthropometric Standard.	Anthropometric Standard.	Anthropometric Standard.	Anthropometric Standard.	Anthropometric Standard.	Anthropometric Standard.	Anthropometric Standard.	Anthropometric Standard.	Anthropometric Standard.	Anthropometric Standard.	Anthropometric Standard.
Dumfries, 138	5 1/2	41-3	41-0	39-7	59-9	57	8 1/2	49-2	47-0	54-0	54-0	42	12 1/2	55-4	54-0	70-3	70-7	..	..	..	64-0	..	110-0	10	5 1/2	40-8	40-8	35-3	39-6	51	8 1/2	48-8	48-6	33-0	32-1	49	12 1/2	53-0	50-7	81-0	70-4	..	..	..	61-7	..	113-1		
Oban, 138	5 1/2	41-5	..	40-2	..	192	8 1/2	48-0	..	55-8	..	108	12 1/2	51-3	..	70-0	..	6	10 1/2	46-1	..	27-0	..	182	5 1/2	41-5	..	39-3	..	32-5	..	190	8 1/2	47-0	..	32-5	..	173	12 1/2	50-1	..	77-0	..	12	16 1/2	61-7	..	116-0	..
New Kilpatrick, 86	5 1/2	42-1	..	44-3	..	79	8 1/2	48-0	..	68-2	..	24	12 1/2	50-3	..	81-3	..	6	10 1/2	46-6	..	120-1	..	72	5 1/2	42-4	..	47-0	..	34	8 1/2	43-5	..	56-5	..	51	12 1/2	50-8	..	88-8	..	6	16 1/2	61-6	..	109-0	..		
Old Kilpatrick, 268	5 1/2	42-1	..	40-9	..	143	8 1/2	48-4	..	64-0	..	459	10 1/2	50-1	..	71-6	..	15	10 1/2	47-0	..	132-3	..	282	5 1/2	41-0	..	39-2	..	49-5	8 1/2	48-1	..	51-8	..	100	12 1/2	50-1	..	76-9	..	7	16 1/2	63-0	..	114-0	..		
Dumfries, 215	6	42-8	..	41-6	..	236	8 1/2	48-6	..	144	..	240	12 1/2	54-0	..	72-8	..	31	16 1/2	60-1	..	110-0	..	204	6	42-7	..	40-0	..	50-8	8 1/2	47-2	..	50-8	..	206	12 1/2	50-2	..	79-1	..	30	16 1/2	62-4	..	112-6	..		
Isle of Lewis, 228	6	42-8	..	41-5	..	248	8 1/2	48-4	..	13-7	..	194	12 1/2	55-7	..	70-3	..	10	16 1/2	60-9	..	111-0	..	206	6	42-7	..	40-0	..	50-9	..	146	12 1/2	50-0	..	74-4	..	8	16 1/2	61-9	..	109-0	..						
Edinburgh, 96	5 1/2	43-7	..	43-0	..	104	8 1/2	48-9	..	54-1	..	69	12 1/2	55-6	..	70-5	..	11	16	64-2	..	112-7	..	101	5 1/2	42-7	..	40-8	..	51-8	..	107	8 1/2	49-0	..	53-8	..	79	12 1/2	50-9	..	77-9	..	13	16 1/2	62-7	..	111-0	..
Total, 1457	5 1/2	42-3	41-0	41-8	39-8	1490	8 1/2	48-3	47-0	53-2	54-0	1189	12 1/2	53-4	54-0	70-3	70-7	79	16 1/2	65-5	64-0	123-1	119-0	1384	5 1/2	42-1	40-8	40-2	39-0	115-8	8 1/2	48-3	48-6	32-0	32-1	1261	12 1/2	50-2	50-2	77-0	76-4	77	16 1/2	62-3	61-7	111-4	113-1		
*County Standard.	41-4 inches.	40-6 lbs.	County Standard.	48-3 inches.	54-0 lbs.	County Standard.	54-0 inches.	70-7 lbs.	County Standard.	54-0 inches.	118-8 lbs.	County Standard.	41-3 inches.	39-3 lbs.	County Standard.	48-2 inches.	51-9 lbs.	County Standard.	56-1 inches.	73-4 lbs.	County Standard.	62-3 inches.	111-4 lbs.		County Standard.	41-3 inches.	39-3 lbs.	County Standard.	48-2 inches.	51-9 lbs.	County Standard.	56-1 inches.	73-4 lbs.	County Standard.	62-3 inches.	111-4 lbs.													

*It has been felt that the Anthropometric Standard is not suitable for use, because it is based on an insufficient number of observations. A County of Dumfries Standard has therefore been arrived at by combining and averaging the figures in previous Annual Reports for a number of years back.

The following table shows the number of observations on which the County Standard is based:—taken from Annual Reports 1910-20 to 1920-27.

	Estimate		8 Years of Age		12 Years of Age		16 Years of Age	
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.
	12,021	12,429	9,146	9,014	14,013	14,004	510	531
Number Examined.	5 1/2	5 1/2	8 1/2	8 1/2	12 1/2	12 1/2	16 1/2	16 1/2
Average Age.	..	..	..	..	..	..	..	..



7.—G. Cleanliness and Body.

(a) *Vermineous Conditions.*

SCHOOL MANAGEMENT AREA.	No. of Rou- tine Cases exam- ined.	ROUTINE CASES.						NON-ROUTINE CASES.					
		HEAD.			CLOTHING.			HEAD.			CLOTHING.		
		Nits.		Verm. n.		Nits.		Verm. n.		Nits.		Verm. n.	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Cumbernauld,	Boys,	167	0.6	..	..	2	1.2	3	1.8	..	..	..	..
	Girls,	133	6.7	..	..	..	..	..	..	..	..	..	..
	Total,	300	3.3	..	..	2	0.6	3	0.9	1	..	..	..
Kirkintilloch,	Boys,	504	0.2	..	0.2	2	0.4	1	0.2	..	..	..	..
	Girls,	547	5.3	1	..	1	0.2	2	0.3	..	..	..	..
	Total,	1051	2.8	1	0.1	3	0.3	3	0.3	..	..	..	..
New Kilpatrick,	Boys,	224	3.1	..	..	1	0.5	..	..	..	..	..	..
	Girls,	192	..	..	..	..	..	..	..	..	..	..	..
	Total,	416	1.4	..	..	1	0.2	..	..	..	..	..	..
Old Kilpatrick,	Boys,	1603	0.7	4	0.2	1	0.06	4	0.2	..	..	..	..
	Girls,	1584	10.6	4	0.2	..	..	4	0.2	..	..	..	..
	Total,	3187	5.6	8	0.2	1	0.03	8	0.2	1	..	..	1
Dumbarton,	Boys,	724	2.8	1	0.1	2	0.2	4	0.5	..	..	..	..
	Girls,	739	31.4	6	0.8	..	..	2	0.3	..	..	..	..
	Total,	1463	17.2	7	0.4	2	0.1	6	0.4	2	..	..	..
Vale of Leven,	Boys,	650	3.8	1	0.1	..	..	2	0.3	..	..	..	..
	Girls,	585	28.0	10	1.7	..	..	4	0.6	..	..	..	..
	Total,	1235	15.3	11	0.9	..	..	6	0.4	..	..	..	..
Helensburgh,	Boys,	280	1.8	..	0.6	1	0.3	1	0.3	..	..	..	..
	Girls,	300	15.6	2	..	1	0.3	1	0.3	..	..	..	..
	Total,	580	8.9	2	0.3	2	0.3	2	0.3	7	3	..	..
Total,	Boys,	4152	1.5	6	0.1	8	0.2	15	0.3	..	..	..	..
	Girls,	4080	16.0	23	0.5	3	0.1	13	0.3	..	..	..	..
	Total,	8232	8.7	29	0.3	11	0.1	28	0.3	11	8	..	1

7.—G. Cleanliness of Head and Body.

(b) Cleanliness.

SCHOOL MANAGEMENT AREA.	No. of Rou- tine Cases exam- ined.	ROUTINE CASES.										NON-ROUTINE.			
		HEAD.					BODY.					HEAD.	BODY.		
		Good.		Medium.		Bad.		Good.		Medium.				Bad.	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Cumbernauld,	Boys,	167	98.2	3	1.8	..	..	158	94.6	8	4.8	1	0.6	..	..
	Girls,	133	98.5	2	1.5	..	..	131	98.5	2	1.5	..	..	..	..
	Total,	300	98.4	5	1.6	..	..	289	96.4	10	3.3	1	0.3	..	..
Kirkintilloch,	Boys,	504	98.6	7	1.4	..	..	491	97.4	13	2.6	..	..	..	..
	Girls,	547	96.2	20	3.6	1	0.2	522	95.5	21	3.8	4	0.7	..	..
	Total,	1051	97.4	27	2.5	1	0.1	1013	96.5	34	3.2	4	0.3	..	..
New Kilpatrick,	Boys,	224	100.0	..	..	..	..	222	99.2	1	0.4	1	0.4	..	..
	Girls,	192	100.0	..	..	..	..	191	99.5	1	0.5	..	..	..	..
	Total,	416	100.0	..	..	..	..	413	99.4	2	0.4	1	0.2	..	..
Old Kilpatrick,	Boys,	1603	97.8	35	2.1	1	0.06	1552	96.8	51	3.2	..	..	..	..
	Girls,	1584	96.4	56	3.5	2	0.1	1533	96.8	46	2.9	5	0.3	..	..
	Total,	3187	97.1	91	2.8	3	0.1	3085	96.9	97	3.0	5	0.1	..	..
Dumbarton,	Boys,	724	96.8	24	3.2	..	..	697	96.4	25	3.4	2	0.2	..	..
	Girls,	739	95.4	33	4.4	2	0.2	710	96.1	29	3.9	..	..	..	..
	Total,	1463	96.1	57	3.8	2	0.1	1407	96.3	54	3.6	2	0.1	1	..
Vale of Leven,	Boys,	650	98.0	13	2.0	..	..	637	98.0	13	2.0	..	..	..	..
	Girls,	585	95.8	22	3.7	3	0.5	562	96.2	18	3.0	5	0.8	..	..
	Total,	1235	97.0	35	2.8	3	0.2	1199	97.1	31	2.5	5	0.4	..	..
Helensburgh,	Boys,	280	97.6	7	2.4	..	..	272	97.2	8	2.8	..	..	..	..
	Girls,	300	98.0	6	2.0	..	..	293	97.7	7	2.3	..	..	..	..
	Total,	580	97.8	13	2.2	..	..	565	97.5	15	2.5	..	..	8	8
Total,	Boys,	4152	97.8	89	2.1	1	0.02	4029	97.1	119	2.8	4	0.1	..	..
	Girls,	4080	96.4	139	3.4	8	0.2	3942	96.7	124	3.0	14	0.3	..	..
	Total,	8232	97.2	228	2.7	9	0.1	7971	96.9	243	2.9	18	0.2	9	8

The following table shows at a glance a summary of the previous table [7.—G (a)], *i.e.*, children in each area showing evidence of verminous condition of the head or body or both.

School Management Area.	Number of Routine Cases Examined.	Number showing evidence of Vermin.	Percentage.
Cumbernauld,	300	15	5.0
Kirkintilloch,	1051	37	3.5
New Kilpatrick,	416	7	1.7
Old Kilpatrick,	3187	197	6.2
Dumbarton,	1463	268	18.3
Vale of Leven,	1235	206	16.7
Helensburgh,	580	58	10.0
Total,	8232	788	9.6

7.—1. Nutrition.

SCHOOL MANAGEMENT AREA.	Number of Routine Cases. Examined.	ROUTINE CASES.						NON-ROUTINE CASES.		
		Above Average.		Average.		Below Average.		Very Bad.	Below Average.	Very Bad.
		No.	%	No.	%	No.	%			
Cumbernauld,	Boys,	7	4.2	155	92.8	5	3.0	..	..	..
	Girls,	19	14.2	102	76.8	12	9.0	..	..	..
	Total,	26	8.6	257	85.6	17	5.8	..	1	..
Kirkintilloch,	Boys,	24	4.7	454	90.2	26	5.1	..	..	..
	Girls,	32	5.8	493	90.2	22	4.0	..	..	..
	Total,	56	5.3	947	90.2	48	4.5	..	..	..
New Kilpatrick,	Boys,	18	8.0	204	91.1	2	0.9	..	..	..
	Girls,	21	10.9	166	86.5	5	2.6	..	..	..
	Total,	39	9.4	370	89.0	7	1.6	..	..	..
Old Kilpatrick,	Boys,	68	4.2	1435	89.7	91	5.6	9	0.5	..
	Girls,	87	5.5	1388	87.7	107	6.7	2	0.1	..
	Total,	155	4.8	2823	88.7	198	6.2	11	0.3	1
Dumbarton,	Boys,	38	5.2	570	78.9	114	15.7	2	0.2	..
	Girls,	27	3.6	617	83.6	88	11.9	7	0.9	..
	Total,	65	4.4	1187	81.2	202	13.8	9	0.6	1
Vale of Leven,	Boys,	24	3.6	540	83.3	81	12.4	5	0.7	..
	Girls,	18	3.0	497	85.1	67	11.4	3	0.5	..
	Total,	42	3.3	1037	84.2	148	11.9	8	0.6	..
Helensburgh,	Boys,	17	6.0	246	88.0	17	6.0	..	..	..
	Girls,	13	4.3	274	91.4	13	4.3	..	..	..
	Total,	30	5.1	520	89.8	30	5.1	..	..	..
Total,	Boys,	196	4.7	3604	87.0	336	8.0	16	0.3	..
	Girls,	217	5.3	3537	86.8	314	7.6	12	0.3	..
	Total,	413	5.0	7141	86.9	650	7.8	28	0.3	2

7.—J. Teeth.

SCHOOL MANAGEMENT AREA.	No. of cases Ex- amined.	ROUTINE CASES.						NON-ROUTINE.		
		No Teeth. Decayed.		1 to 4 Teeth Decayed.		5 or more Teeth Decayed.		Oral Sepsis.		5 or more Decayed.
		No.	Per Cent.	No.	Per Cent.	No.	Per Cent.	No.	Per Cent.	
Boys, Girls,	167 133	67 76	40.2 57.2	79 44	47.3 33.1	21 13	12.5 9.7	1 1	0.6 0.7	
Total,	300	143	48.7	123	40.2	34	11.1	2	0.6	..
Boys, Girls,	504 547	219 222	43.4 40.6	209 241	41.5 44.1	76 84	15.1 15.3	10 8	2.0 1.4	
Total,	1051	441	42.0	450	42.8	160	15.2	18	1.7	..
Boys, Girls,	224 192	92 74	41.1 38.6	80 81	39.7 42.2	43 37	19.2 19.2	3 1	1.3 0.5	
Total,	416	166	39.9	170	40.9	80	19.2	4	0.9	..
Boys, Girls,	1603 1584	629 650	39.2 41.0	709 713	44.3 45.0	265 221	16.5 14.0	22 33	1.3 2.1	
Total,	3187	1279	40.1	1422	44.6	486	15.3	55	1.7	1
Boys, Girls,	724 739	267 285	36.9 38.6	339 332	46.8 44.9	118 122	16.3 16.5	38 55	5.2 7.4	
Total,	1463	552	37.7	671	45.9	240	16.4	93	6.3	..
Boys, Girls,	650 585	185 165	28.5 28.2	354 312	54.5 53.3	111 108	17.0 18.5	57 57	8.7 9.7	
Total,	1235	350	28.4	666	53.9	219	17.7	114	9.2	2
Boys, Girls,	280 300	102 113	36.4 37.7	141 135	50.4 45.0	37 52	13.2 17.3	12 28	4.2 9.3	
Total,	580	215	37.1	276	47.7	89	15.2	40	6.8	1
Boys, Girls,	4152 4080	1561 1585	37.6 38.8	1920 1858	46.2 45.6	671 637	16.2 15.6	143 183	3.4 4.4	
Total,	8232	3146	38.2	3778	45.9	1308	15.9	326	3.9	4

7.—K. Nose, Throat, and Lymphatic Glands.

(a) NOSE.

SCHOOL MANAGEMENT AREA.	Number of Routine Cases Examined.	Catarrh.			Obstruction.			Others.			Total.		
		Routine.		Non-Routine.	Routine.		Non-Routine.	Routine.		Non-Routine.	Routine.		Non-Routine.
		No.	Per Cent.		No.	Per Cent.		No.	Per Cent.		No.	Per Cent.	
Cumbernauld,	300	3	1.0	..	1	0.3	2	1	0.3	1	5	1.6	3
Kirkintilloch,	1051	3	0.3	..	8	0.7	1	1	0.1	1	12	1.1	2
New Kilpatrick,	416	1	0.2	..	..	..	1	..	..	..	1	0.2	1
Old Kilpatrick,	3187	17	0.5	1	43	1.3	9	4	0.1	3	64	2.0	13
Dumbarton,	1463	18	1.2	5	65	4.4	4	1	0.1	..	84	5.7	9
Vale of Leven,	1235	10	0.8	5	61	4.9	7	..	..	3	71	5.7	15
Helensburgh,	580	6	1.0	5	29	5.0	4	..	..	6	35	6.0	15
Total,	8232	58	0.7	16	207	2.5	28	7	0.1	14	272	3.3	58



7.—K. Nose, Throat, and Lymphatic Glands—continued.

(b) 1. TONSILS.

SCHOOL MANAGEMENT AREA.	Number of Routine Cases Examined.	Enlarged.			Much Enlarged.			Removed		
		Routine.		Non-Routine.	Routine.		Non-Routine.	Routine.		Non-Routine.
		No.	Per Cent.		No.	Per Cent.		No.	Per Cent.	
Cumbernauld,	300	20	6.6	6	1	0.3	2	5	1.6	..
Kirkintilloch,	1051	51	4.8	4	..	..	..	54	5.1	..
New Kilpatrick,	416	13	3.1	1	..	..	..	24	5.7	..
Old Kilpatrick,	3187	271	8.5	41	69	2.1	3	199	6.2	4
Dumbarton,	1463	157	10.7	46	197	13.4	15	199	13.6	5
Vale of Leven,	1235	137	11.1	44	144	11.6	32	204	16.5	18
Helensburgh,	580	77	13.2	22	82	14.0	6	63	10.8	35
Total,	8232	726	8.8	164	493	5.9	58	748	9.0	62

7.—K. Nose, Throat, and Lymphatic Glands—continued.

(b) 2. ADENOIDS.

SCHOOL MANAGEMENT AREA.	Number of Routine Cases Examined.	Present.			Suspected.			Removed.		
		Routine.		Non-Routine.	Routine.		Non-Routine.	Routine.		Non-Routine.
		No.	Per Cent.		No.	Per Cent.		No.	Per Cent.	
Cumbernauld,	300	4	1.3	3	4	1.3	2	2	0.6	..
Kirkintilloch,	1051	5	0.4	4	11	1.0	..	46	4.3	..
New Kilpatrick,	416	1	0.2	1	3	0.7	..	22	5.2	..
Old Kilpatrick,	3187	36	1.1	41	97	3.0	3	156	4.9	4
Dumbarton,	1463	6	0.4	28	84	5.7	1	190	13.0	6
Vale of Leven,	1235	7	0.5	30	83	6.7	1	200	16.1	22
Helensburgh,	580	2	0.3	16	41	7.0	..	59	10.1	34
Total,	8232	61	0.7	123	323	3.9	7	675	8.2	66

7.—K. Nose, Throat, and Lymphatic Glands—continued.

(c) LYMPHATIC GLANDS—SUBMAXILLARY AND CERVICAL.

SCHOOL MANAGEMENT AREA.	No. of Routine Cases Ex- amined.	Palpably Enlarged.						Markedly Enlarged.						Suppurating.						Cicatrices.					
		Submaxillary.			Cervical.			Submaxillary.			Cervical.			Submaxillary.			Cervical.			Submaxillary.			Cervical.		
		Routine.		Non- Routine.	Routine.		Non- Routine.	Routine.		Non- Routine.	Routine.		Non- Routine.	Routine.		Non- Routine.	Routine.		Non- Routine.	Routine.		Non- Routine.	Routine.		Non- Routine.
		No.	%		No.	%		No.	%		No.	%		No.	%		No.	%		No.	%		No.	%	
Cumbernauld, ..	300	..	..	1	1	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0.3	1	0.3	..	
Kirkintilloch, ..	1051	10	0.9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8	0.7	6	0.5	..	
New Kilpatrick, ..	416	3	0.7	4	..	..	..	1	0.2	..	..	..	..	1	0.2	..	..	..	..	8	1.9	..	..	..	
Old Kilpatrick, ..	3187	45	1.4	16	8	0.2	..	..	..	4	..	..	..	6	0.1	..	..	..	..	17	0.5	8	0.2	..	
Dumbarton, ..	1463	113	7.7	14	2	0.1	..	..	..	4	..	..	..	..	..	..	..	..	..	22	1.5	5	0.3	..	
Vale of Leven, ..	1235	85	6.8	16	1	0.1	..	1	0.1	4	..	..	..	..	..	..	..	..	..	19	1.5	3	0.2	..	
Helensburgh, ..	580	32	5.4	11	..	..	..	1	0.1	4	..	..	..	..	..	..	..	..	..	8	1.3	1	0.1	..	
Total, ..	8232	288	3.5	62	12	0.1	..	3	0.03	16	..	..	..	7	0.08	..	..	..	..	83	1.0	1	0.2	..	

7.—L. External Eye Diseases.

SCHOOL MANAGEMENT AREA.	No. of Routine Cases Ex- amined.	Strabismus.			Blepharitis.			Conjunctivitis.			Corneal Opacities.			Other Diseases.		
		Routine.		Non- Rou- tine.	Routine.		Non- Rou- tine.	Routine.		Non- Rou- tine.	Routine.		Non- Rou- tine.	Routine.		Non- Rou- tine.
		No.	%		No.	%		No.	%		No.	%		No.	%	
Cumbernald,	Boys,	5	3.0	..	2	1.2	..	..	..	..	..	..	..	..	..	..
	Girls,	3	2.2	..	1	0.7	..	..	..	..	..	..	..	..	..	..
	Total,	8	2.6	2	3	0.9	..	..	..	1	..	..	1	..	..	1
Kirkintilloch,	Boys,	2	0.4	..	4	0.8	..	1	0.2	..	..	..	..	1	0.2	..
	Girls,	16	2.9	..	5	0.9	..	0	..	..	..	0.7	..	1	0.2	..
	Total,	18	1.7	1	9	0.8	3	1	0.1	3	4	0.3	2	2	0.2	..
New Kilpatrick,	Boys,	..	1.0	..	1	0.4	..	1	0.4	..	1	0.4	..	..	..	..
	Girls,	2	1.0	..	..	..	..	..	..	..	1	0.5	..	..	..	..
	Total,	2	0.5	..	1	0.2	..	1	0.2	1	2	0.5	..	..	..	..
Old Kilpatrick,	Boys,	39	2.4	..	5	0.3	..	4	0.2	..	5	0.3	..	4	0.2	..
	Girls,	42	2.6	..	9	0.5	..	2	0.1	..	5	0.3	..	3	0.2	..
	Total,	81	2.5	20	14	0.4	18	6	0.1	20	10	0.3	6	7	0.2	1
Dumbarton,	Boys,	29	4.0	..	4	0.5	..	..	..	..	3	0.4	..	1	0.1	..
	Girls,	27	3.6	..	9	1.2	..	..	..	..	7	0.9	..	..	..	..
	Total,	56	3.8	7	13	0.8	17	..	..	13	10	0.6	10	1	0.03	..
Vale of Leven,	Boys,	12	1.8	..	8	1.2	..	2	0.3	..	2	0.3	..	1	0.1	..
	Girls,	11	1.8	..	8	1.3	..	1	0.1	..	3	0.5	..	..	..	..
	Total,	23	1.8	16	16	1.2	14	3	0.2	9	5	0.4	6	1	0.08	1
Helensburgh,	Boys,	7	2.5	..	3	1.0	..	..	..	..	4	1.4	..	..	..	..
	Girls,	5	1.6	..	3	0.9	..	1	0.3	..	1	0.3	..	..	..	..
	Total,	12	2.0	4	6	1.0	..	1	0.1	6	5	0.8	5	..	..	..
Total,	Boys,	94	2.2	..	27	0.6	..	8	0.2	..	15	0.3	..	7	0.1	..
	Girls,	106	2.6	..	35	0.8	..	4	0.1	..	21	0.5	..	4	0.1	..
	Total,	200	2.4	50	62	0.7	52	12	0.1	52	36	0.4	30	11	0.1	3

7.—N. Ear Disease.

SCHOOL MANAGEMENT AREA.	Number of Routine Cases Examined.	Otorrhœa.			Wax.			Others.			Total.		
		Routine.		Non- Routine.	Routine.		Non- Routine.	Routine.		Non- Routine.	Routine.		Non- Routine.
		No.	%		No.	%		No.	%		No.	%	
Cumbernauld,	300	1	0.3	..	2	0.6	..	..	..	..	3	0.9	..
Kirkintilloch,	1051	8	0.7	2	9	0.8	3	..	..	..	17	1.6	5
New Kilpatrick,	416	2	0.4	1	1	0.2	..	..	..	..	3	0.7	1
Old Kilpatrick,	3187	61	1.9	42	15	0.4	6	..	..	..	76	2.3	48
Dumbarton,	1463	13	0.8	36	1	0.1	..	1	0.1	..	15	1.0	36
Vale of Leven,	1235	16	1.2	10	1	0.1	1	..	..	..	17	1.3	11
Helensburgh,	580	5	0.8	6	..	..	..	1	0.1	..	6	1.0	6
Total,	8232	106	1.2	97	29	0.3	10	2	0.02	..	137	1.6	107

Wax is noted only when sufficient to interfere with hearing.

7.—0. Hearing.

SCHOOL MANAGEMENT AREA.	Number of Routine Cases Examined.	Slightly Deaf.			Very Deaf.			Total.		
		Routine.		Non- Routine.	Routine.		Non- Routine.	Routine.		Non- Routine.
		No.	Per Cent.		No.	Per Cent.		No.	Per Cent.	
Cumbernauld,	300	4	1.3	..	..	..	..	4	1.3	..
Kirkintilloch,	1051	12	1.1	3	..	..	..	12	1.1	3
New Kilpatrick,	416	1	0.2	..	..	..	..	1	0.2	..
Old Kilpatrick,	3187	37	1.1	15	1	0.03	4	38	1.2	19
Dumbarton,	1463	31	2.1	7	4	0.2	1	35	2.3	8
Vale of Leven,	1235	33	2.6	15	..	..	..	33	2.6	15
Helensburgh,	580	12	2.0	4	..	..	..	12	2.0	4
Total,	8232	130	1.5	44	5	0.1	5	135	1.6	49

7.—M. Visual Acuity (Snellen's Test at 6 Metres).

Vision shown is "Working Vision," i.e., vision of better eye. Good Vision = $\frac{1}{2}$ Fair Vision = $\frac{1}{3}$ to $\frac{1}{2}$ Bad Vision = $\frac{1}{4}$ or worse

[illegible]



7.—P. Speech.

SCHOOL MANAGEMENT AREA.	Number of Routine Cases Examined.	Defective Articulation.			Stammering.			Total.		
		Routine.		Non- Routine.	Routine.		Non- Routine.	Routine.		Non- Routine.
		No.	Per Cent.		No.	Per Cent.		No.	Per Cent.	
Cumbernauld,	300	2	0.6	..	..	..	..	2	0.6	..
Kirkintilloch,	1051	3	0.3	..	7	0.6	..	10	0.9	..
New Kilpatrick,	416	1	0.2	..	..	..	..	1	0.2	..
Old Kilpatrick,	3187	14	0.4	14	14	0.4	6	28	0.8	20
Dumbarton,	1463	6	0.4	1	5	0.3	..	11	0.7	1
Vale of Leven,	1235	9	0.7	2	6	0.5	4	15	1.2	6
Helensburgh,	580	3	0.5	1	1	0.1	..	4	0.6	1
Total,	8232	38	0.4	18	33	0.4	10	71	0.8	28

7.—Q. Mental Condition.

SCHOOL MANAGEMENT AREA.	Number of Routine Cases Examined.	Dull or Backward.			Mentally Deficient.			Total.		
		Routine.		Non-Routine.	Routine.		Non-Routine.	Routine.		Non-Routine.
		No.	Per Cent.		No.	Per Cent.		No.	Per Cent.	
Cumbernauld,	300	2	0.6	1	..	..	1	2	0.6	2
Kirkintilloch,	1051	6	0.5	..	..	..	5	6	0.5	5
New Kilpatrick,	416	3	0.7	..	1	0.2	..	4	0.9	..
Old Kilpatrick,	3187	45	1.4	7	2	0.1	12	47	1.5	19
Dumbarton,	1463	3	0.2	..	1	0.1	1	4	0.3	1
Vale of Leven,	1235	6	0.4	..	1	0.1	1	7	0.5	1
Helensburgh,	580	..	..	..	1	0.1	..	1	0.1	..
Total,	8232	65	0.7	8	6	0.1	20	71	0.8	28

7.—R. Heart and Circulation:

SCHOOL MANAGEMENT AREA.	Number of Routine Cases Examined.	Organic Disease.						Functional Disease.		Total.		
		Congenital.			Acquired.			Routine.	Non-Routine.	Routine.	Non-Routine.	
		Routine.		Non-Routine.	Routine.		Per Cent.					
		No.	Per Cent.		No.	Per Cent.						
Cumbernauld,	300	..	..	..	..	..	..	..	..	..	1	
Kirkintilloch,	1051	2	0.2	..	1	0.1	..	..	..	3	0.3	3
New Kilpatrick,	416	..	..	..	1	0.2	..	..	..	1	0.2	2
Old Kilpatrick,	3187	3	0.1	..	8	0.2	1	0.03	2	12	0.3	8
Dumbarton,	1463	3	0.2	..	11	0.7	2	0.1	..	16	1.0	1
Vale of Leven,	1235	3	0.2	1	6	0.5	..	..	..	9	0.7	3
Helensburgh,	580	..	..	1	9	1.5	1	0.2	..	10	1.7	1
Total,	8232	11	0.1	2	36	0.4	4	0.04	2	51	0.6	19

7.—S. Lungs.

SCHOOL MANAGEMENT AREA.	Number of Routine Cases Examined.	Bronchial Catarrh.			Bronchitis.			Tuberculosis.			Tuberculosis Suspected.			Asthma.			Total.		
		Routine. No.	Per Cent.	Non- Rou- tine.	Routine. No.	Per Cent.	Non- Rou- tine.	Routine. No.	Per Cent.	Non- Rou- tine.	Routine. No.	Per Cent.	Non- Rou- tine.	Routine. No.	Per Cent.	Non- Rou- tine.	Routine. No.	Per Cent.	Non- Rou- tine.
Cumbernauld,	300	5	1.6	..	1	0.3	3	..	..	..	..	..	..	6	1.9	3	6	1.9	3
Kirkintilloch,	1051	13	1.2	..	4	0.3	1	..	..	..	..	..	..	18	1.7	1	18	1.7	1
New Kilpatrick,	416	4	0.9	..	2	0.4	..	..	..	..	..	..	..	6	1.4	..	6	1.4	..
Old Kilpatrick,	3187	38	1.2	2	21	0.6	3	1	0.03	1	..	..	..	8	0.2	2	68	2.1	8
Dumbarton,	1463	25	1.7	10	2	0.1	1	1	0.06	1	..	..	..	28	1.9	..	28	1.9	12
Vale of Leven,	1235	44	3.5	19	3	0.2	3	..	..	2	..	..	..	50	4.0	..	50	4.0	24
Helensburgh,	580	6	1.0	9	..	..	1	..	..	..	1	0.1	..	2	0.3	1	9	1.5	11
Total,	8232	135	1.6	40	33	0.3	12	2	0.02	4	1	0.01	..	14	0.1	3	185	2.2	59

7.—T. Nervous System.

SCHOOL MANAGEMENT AREA.	Number of Routine Cases Examined.	Epilepsy.			Chorea.			Infantile Paralysis.			Others.			Total.		
		Routine.		Non- Routine.	Routine.		Non- Routine.	Routine.		Non- Routine.	Routine.		Non- Routine.	Routine.		Non- Routine.
		No.	%		No.	%		No.	%		No.	%		No.	%	
Cumbernauld,	300	1	0.3	..	..	..	..	..	..	..	1	0.3	..	2	0.6	..
Kirkintilloch,	1051	..	..	2	1	0.1	..	..	..	2	3	0.2	1	4	0.3	5
New Kilpatrick, ..	416	..	..	..	..	..	..	..	..	..	1	0.2	..	1	0.2	..
Old Kilpatrick, ..	3187	2	0.06	3	1	0.03	3	6	0.1	3	1	0.03	3	10	0.3	12
Dumbarton,	1463	1	0.06	..	..	..	1	5	0.3	..	3	0.2	3	9	0.6	4
Vale of Leven,	1235	1	0.08	..	..	..	8	4	0.3	..	..	..	2	5	0.4	10
Helensburgh,	580	..	..	..	1	0.1	1	3	0.5	2	1	0.1	1	5	0.8	4
Total,	8232	5	0.06	5	3	0.03	13	18	0.2	7	10	0.1	10	36	0.4	35

7.—U. Tuberculosis (Non-Pulmonary).

SCHOOL MANAGEMENT AREA.	Rou- tine Cases Exam- ined.	Glands.			Bones.			Joints.			Abdominal.			Others.			Total.		
		Routine.			Routine.			Routine.			Routine.			Routine.			Routine.		
		No.	%	Non- Rou- tine.	No.	%	Non- Rou- tine.	No.	%	Non- Rou- tine.	No.	%	Non- Rou- tine.	No.	%	Non- Rou- tine.	No.	%	Non- Rou- tine.
Cumbernauld,	300	..	..	..	..	..	..	..	..	..	1	0.3	..	..	..	..	1	0.3	..
Kirkintilloch,	1051	2	0.2	..	..	..	..	..	..	..	..	..	..	..	..	..	2	0.2	..
New Kilpatrick,	416	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Old Kilpatrick,	3187	1	0.03	..	1	0.03	1	3	0.1	2	2	0.06	4	1	0.03	..	8	0.2	7
Dumbarton,	1463	..	..	..	..	..	2	1	0.06	1	2	0.1	1	1	0.06	1	4	0.2	5
Vale of Leven,	1235	1	0.08	..	1	0.08	..	1	0.08	..	4	0.3	3	1	0.08	..	8	0.6	3
Helensburgh,	580	..	..	..	..	..	..	2	0.3	1	..	..	..	..	..	..	2	0.3	1
Total, ..	8232	4	0.04	..	2	0.02	3	7	0.08	4	9	0.09	8	3	0.03	1	25	0.3	16

7.—V. Rickets.

SCHOOL MANAGEMENT AREA.	Number of Routine Cases Examined.	Slight.			Marked.			Total.		
		Routine.		Non- Routine.	Routine.		Non- Routine.	Routine.		Non- Routine.
		No.	Per Cent.		No.	Per Cent.		No.	Per Cent.	
Cumbernauld,	300	..	..	..	..	..	..	..	..	..
Kirkintilloch,	1051	..	..	..	2	0.2	..	2	0.2	..
New Kilpatrick,	416	..	..	..	..	..	..	..	..	..
Old Kilpatrick,	3187	6	0.2	..	11	0.3	3	17	0.5	3
Dumbarton,	1463	4	0.2	..	3	0.2	1	7	0.4	1
Vale of Leven,	1235	4	0.3	1	2	0.1	1	6	0.4	2
Helensburgh,	580	..	..	..	..	..	..	..	..	..
Total,	8232	14	0.1	1	18	0.2	5	32	0.3	6

7.—W. Deformities.

SCHOOL MANAGEMENT AREA.	Number of Routine Cases Examined.	Congenital.			Acquired (Non-Rachitic).			Total.		
		Routine.		Non- Routine.	Routine.		Non- Routine.	Routine.		Non- Routine.
		No.	Per Cent.		No.	Per Cent.		No.	Per Cent.	
Cumbersome,	300	..	..	..	..	..	..	..	..	..
Kirkintilloch,	1051	1	0.1	..	4	0.3	..	5	0.4	..
New Kilpatrick,	416	1	0.2	..	1	0.2	..	2	0.4	..
Old Kilpatrick,	3187	3	0.1	..	6	0.2	4	9	0.3	4
Dumbarton,	1463	1	0.06	..	4	0.2	..	5	0.3	..
Vale of Leven,	1235	2	0.1	..	2	0.1	2	4	0.3	2
Helensburgh,	580	..	..	..	6	1.0	1	6	1.0	1
Total,	8232	8	0.1	..	23	0.2	7	31	0.3	7

7.—X. Infectious or Contagious Diseases.

SCHOOL MANAGEMENT AREA.	No. of Routine Cases Examined.	Whooping-Cough.			Chicken-pox.			Mumps.			Scarlet Fever.			Diphtheria.			Measles.			Total.		
		Routine.	Per Cent.	Non- Rou- tine.	Routine.	Per Cent.	Non- Rou- tine.	Routine.	Per Cent.	Non- Rou- tine.	Routine.	Per Cent.	Non- Rou- tine.	Routine.	Per Cent.	Non- Rou- tine.	Routine.	Per Cent.	Non- Rou- tine.	Routine.	Per Cent.	Non- Rou- tine.
..	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	1051	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	416	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	3187	3	0.1	..	4	0.1	3	..	..	6	1	0.03	..	..	..	..	..	..	..	8	0.2	9
..	1463	3	0.2	5	1	0.06	6	1	0.06	12	..	..	..	..	..	..	..	..	..	5	0.3	23
..	1235	2	0.1	..	..	..	7	..	..	6	..	..	1	..	..	..	..	..	..	4	0.3	15
..	580	..	..	4	..	..	3	1	0.1	40	..	..	..	..	..	..	..	..	..	3	0.5	47
Total, ..	8232	8	0.1	9	5	0.06	19	2	0.02	64	1	0.01	1	..	..	1	8	0.1	..	24	0.2	94

7.—Y. Other Diseases and Defects.

SCHOOL MANAGEMENT AREA.	Number of Routine Cases Examined.	Hernia.			Others.			Total.		
		Routine.		Non- Routine.	Routine.		Non- Routine.	Routine.		Non- Routine.
		No.	Per Cent.		No.	Per Cent.		No.	Per Cent.	
Cumbernauld,	300	4	1.3	..	..	..	..	4	1.3	..
Kirkintilloch,	1051	5	0.4	..	3	0.3	15	8	0.7	15
New Kilpatrick,	416	2	0.4	..	1	0.2	3	3	0.7	3
Old Kilpatrick,	3187	13	0.4	1	14	0.4	122	27	0.8	123
Dumbarton,	1463	8	0.5	..	5	0.3	298	13	0.8	298
Vale of Leven,	1235	14	1.1	1	9	0.7	287	23	1.8	288
Helensburgh,	580	4	0.6	..	3	0.5	143	7	1.2	143
Total,	8232	50	0.6	2	35	0.4	868	85	1.0	870

Previous illnesses.

SCHOOL MANAGEMENT AREA.	No. of Routine Cases Exam- ined.	Measles.		Whooping- Cough.		Chicken- pox.		Mumps.		Scarlet Fever.		Diph- theria.		Smallpox.		Rheuma- tism.		Flta.		Others.	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Cumbernauld,	300	229	76.3	149	49.6	85	28.3	71	23.6	20	6.6	4	1.3	..	..	4	1.3	1	0.3	43	14.3
Kirkintilloch,	1051	815	77.5	661	62.8	207	19.7	279	26.5	74	7.0	75	7.1	1	0.1	19	1.8	5	0.4	157	14.9
New Kilsatrick,	416	303	72.8	230	55.2	108	25.9	96	23.0	26	6.2	9	2.1	..	..	2	0.4	1	0.2	59	14.1
Old Kilsatrick,	3187	2505	80.4	1913	60.0	1035	32.4	918	28.8	255	8.0	123	3.8	5	0.1	40	1.2	12	0.3	695	21.8
Dumbarton,	1463	1234	84.3	1042	71.2	551	37.6	598	40.8	121	8.2	38	2.6	..	..	24	1.6	2	0.1	339	23.1
Vale of Leven,	1235	1068	86.4	826	66.8	474	38.3	451	36.5	116	9.4	57	4.6	..	..	21	1.6	2	0.1	322	26.0
Helensburgh,	580	438	75.5	360	62.0	194	33.4	241	41.5	59	10.1	11	1.9	..	..	17	2.9	3	0.5	141	24.3
Total,	8232	6652	80.7	5181	62.9	2654	32.2	2654	32.2	671	8.1	317	3.8	6	0.1	127	1.5	26	0.3	1756	21.3

Vaccination.

SCHOOL MANAGEMENT AREA.	Entrants.			Age 8.			Age 12.			Age 16.			Total.		
	Routine Cases Exam- ined.	Unvaccinated.		Routine Cases Exam- ined.	Unvaccinated.		Routine Cases Exam- ined.	Unvaccinated.		Routine Cases Exam- ined.	Unvaccinated.		Routine Cases Exam- ined.	Unvaccinated.	
		No.	Per Cent.		No.	Per Cent.		No.	Per Cent.		No.	Per Cent.		No.	Per Cent.
Cumbernauld, ..	104	46	44.2	108	29	27.7	88	27	30.7	..	..	..	300	102	34.0
Kirkintilloch, ..	320	172	53.7	372	122	32.8	341	58	17.0	18	2	11.1	1051	354	33.6
New Kilpatrick,	159	35	22.0	142	18	12.6	105	14	13.3	10	1	10.0	416	68	16.3
Old Kilpatrick,	1168	609	52.1	1038	296	28.5	959	286	29.8	22	2	9.0	3187	1193	37.4
Dumbarton, ..	419	258	61.5	474	178	37.5	506	297	58.7	64	11	17.2	1463	744	50.8
Vale of Leven, ..	444	265	59.7	473	214	45.2	300	144	48.0	18	3	16.6	1235	626	50.6
Helensburgh, ..	197	72	36.5	211	47	22.2	148	43	29.0	24	7	29.1	580	169	29.1
Total, ..	2811	1457	51.1*	2818	904	32.0*	2447	869	35.5*	156	26	16.6*	8232	3256	39.5*
	*Decrease compared with last year = 6%			*Decrease compared with last year = 9.3%			*Increase compared with last year = 2.5%			*Increase compared with last year = 1.3%			*Decrease compared with last year = 4.4%		

8.—Special Schools and Classes.

SPECIAL SCHOOLS.—There are three Special Schools in the County—Waverley Park, Kirkintilloch; Milton School, Bowling; and High Street School, Dumbarton.

In Waverley Park Home, which is maintained by the West of Scotland Association for the Care of the Feeble-minded, there is one pupil from the County.

Milton Special School, which serves the Old Kilpatrick area, has three classes for Mentally Defectives, with 61 on the roll, one Class for Physically Defectives, with 14 on the roll, and one class for Deaf Mutes, with 13 on the roll, a total of 88.

High Street School, Dumbarton, which serves the Dumbarton and Vale of Leven areas, has three classes for Mentally Defectives, with 59 on the roll, and two classes for Physically Defectives, with 34 on the roll, a total of 93.

The pupils in the Deaf Mute class at Milton are drawn from the whole County, except the parishes of Kirkintilloch and Cumbernauld.

SPECIAL CLASSES.—(a) **FOR MENTALLY DEFECTIVE CHILDREN.**—Lairdsland School, Kirkintilloch, with 10 on the roll; Bearsden Academy, Bearsden, with 12 on the roll; James Street School, Helensburgh, with 10 on the roll—total, 32.

(b) **FOR CONSERVATION OF VISION.**—Boquhanran School, Clydebank, with 29 on the roll; College Street School, Dumbarton, with 23 on the roll—total, 52.

The following are the totals for the County:—

Mentally Defectives,	152
Physically Defectives,	48
Deaf Mutes,	13
Conservation of Vision,	52
Total,	265

Number of Physically Defective Children in Institutions paid for by the Authority,	10
Number of Mentally Defective Children in Institutions paid for by the Authority,	4
Blind Persons in training under Blind Persons Act, 1920, in Royal Glasgow Asylum for the Blind (cost of training borne by the Education Authority and Maintenance by the Local Authority),	11
Total,	25

SPECIAL APPLIANCES SUPPLIED TO PUPILS.—During the session the supply of the following special appliances was agreed to by the Authority :—

	PUPILS
Special Boot,	1
Leather for Special Boots,	1
Special Splints,	2
Overshoe,	1
Leg Supports,... ..	1
Artificial Eye,	1
Artificial Leg,	1

9.—Arrangements for Physical Education and Personal Hygiene.

A. Physical Exercises. B. Baths. C. Practical Instruction in Hygiene.

There has been no change with regard to the above (See Annual Reports, 1914-15, page 72 ; 1919-20, page, 41 ; 1920-21, page 38 ; and 1927-28; page 37).

10.—Feeding of School Children.

There were no meals supplied in Cumbernauld, Kirkintilloch, New Kilpatrick, Old Kilpatrick, Dumbarton, or Vale of Leven areas.

In Helensburgh, dinners were supplied to the children at Clyde Street Soup Kitchen for about a month last session. The cost was provided from a private school fund, which is now exhausted. The approximate number of pupils supplied per day was 30, and the approximate number of meals supplied was 600.

X-RAY Treatment of Ringworm.

During the session nine children were treated for Ringworm of the Scalp by X-Rays at Whitecrook Clinic. The other thirty cases of this disease seen during the session were either successfully treated by local medication, or were cases whose parents refused permission for X-Ray treatment.

Employment of Children.

The number of Licences applied for and granted under the Employment of Children Act, 1903, was as follows :—

	Granted.	Refused.	Total.
Cumbernauld, ...	3	0	3
Kirkintilloch, ...	22	5	27
New Kilpatrick, ...	33	0	33
Old Kilpatrick, ...	99	3	102
Dumbarton, ...	31	1	32
Vale of Leven ...	24	1	25
Helensburgh, ...	16	1	17
Total, ...	<u>228</u>	<u>11</u>	<u>239</u>

11.—ARRANGEMENTS FOR MEDICAL TREATMENT.

See Annual Report, 1927-28, pages 38, 39, and 40. The new Clinics in Twechar, Croy, and Alexandria have been in use during the greater part of the session and have been found most satisfactory.

Treatment of Minor Ailments.

District	Nurse.	Number of Children dealt with.	Total Number of Attendances.	Number of Visits to Parents.	Number of Visits to Clinics or Schools.	Eye Cases.	Throat and Nose Cases.	Ear Cases.	Skin Cases.	Others.
Kirkintilloch, Cumbernauld, (Cumbernauld, S. Muirhead Arms, Southern District, Condorrat)	C. Jeffrey,	955	4918	68	126	182	4	67	645	57
New Kilpatrick	J. Scott,	194	1054	20	37	12	..	10	145	27
Old Kilpatrick (Landward), Cumbernauld		308	2362	78	84	50	10	29	136	83
(Drumglass and Croy)		229	1221	2	33	18	1	10	174	26
Old Kilpatrick, (Clydebank, Elgin Street, Our Holy Redeemer)	S. Dougherty,	826	2401	45	48	137	160	166	326	37
Old Kilpatrick, (Radnor Park, Boquhanran, Dalmuir, St. Stephen's)	E. Lyle,	520	1488	115	50	57	12	114	253	84
Dumbarton, (Academy, Knox-land, College Street, High Street, St. Patrick's)	M. Gilmour,	576	1272	17	78	43	...	92	311	130
Dumbarton, (West Bridgend, St. Patrick's High, Clerkhill), Helensburgh, Vale of Leven Clinic.	E. Stevenson,	..	..	..	..	..	..	..	..	..
		187	439	3	46	9	...	39	65	74
		234	419	..	38	11	..	24	108	91
Vale of Leven,	E. Yule,	1128	4077	64	102	60	10	83	676	299
Total,		5157	19651	412	680	579	197	634	2839	908

Dental Treatment.

SCHOOL MANAGEMENT AREA.	Number of Children Treated.				Conservation Treatment.				Extractions.					
	Routine Cases.			Total Number of Cases Treated.	Teeth Filled.		Teeth Conserved by other Treatment.		Teeth Extracted.			Anæsthetics.		
	Number of Cases In- spected.	Number of Cases requiring Treat- ment.	Actual Number of Cases Treated.		Number of Emer- gency cases treated.	Total Number of Teeth Con- served.	Temporary.		Per- manent.	Total No. of Extrac- tions.	Local.		General.	
							Temporary.	Per- manent.						Temporary.
Cumbernauld .. (Mr. Martin),	435	256	292	88	380	21	106	21	161	414	125	539	453	..
Kirkintilloch .. (Mr. Martin),	225	140	99	104	203	7	31	9	78	238	38	276	186	..
Kirkintilloch† .. (Mr. Wydner),	699	699	475	224	699	40	198	1	46	979	307	1286	1188	11
New Kilpatrick .. (Mr. Martin),	496	338	182	214	396	11	125	55	256	406	126	532	357	..
Old Kilpatrick .. (Mr. Martin),	530	414	239	236	475	37	65	62	168	386	176	562	374	..
Old Kilpatrick .. (Miss M'Kendrick),	4665	2598	1286	497	1783	..	881	..	272	4891	952	5843	3784	245
Dumbarton .. (Miss Pugh),	1687	1154	777	699	1476	2	694	..	317	1432	431	1863	949	92
Vale of Leven .. (Miss Pugh),	333	266	172	835	1007	..	347	..	184	973	282	1255	658	44
Vale of Leven .. (Mr. Martin),	113	73	25	..	25	..	4	..	12	29	12	41	31	..
Helensburgh .. (Mr. Martin),	497	326	338	423	761	64	247	151	483	651	240	891	748	..
Total, ..	9680	6264	3885	3320	7205	182	2698	299	1977	10399	2689	13088	8728	392

† In Kirkintilloch Burgh, inspections are made by the School Medical Officer, who refers children requiring treatment to Mr. Wydner, L.D.S. Mr. Wydner is a part time dentist, and during the session he worked for 192 hours.

Ophthalmic Treatment of School Children.

SCHOOL MANAGEMENT AREA.																								
	Dumbarton.				Helensburgh.				Kirkintilloch and Cumbernauld.				New Kilpatrick.				Old Kilpatrick.				Vale of Leven.			
	Boys.		Girls.		Boys.		Girls.		Boys.		Girls.		Boys.		Girls.		Boys.		Girls.		Boys.		Girls.	
	R. L.	R. L.	R. L.	R. L.	R. L.	R. L.	R. L.	R. L.	R. L.	R. L.	R. L.	R. L.	R. L.	R. L.	R. L.	R. L.	R. L.	R. L.	R. L.	R. L.	R. L.	R. L.	R. L.	
Defective Vision treated with Spectacles, Mix. A.	35	36	33	33	6	10	9	8	23	27	25	25	1	1	5	3	56	58	50	54	27	27	22	26
	29	28	36	37	14	9	11	13	31	28	22	22	2	2	4	6	42	42	68	66	12	13	18	15
	12	12	10	12	2	2	3	3	3	3	6	7	0	1	..	..	14	14	23	19	1	1	4	3
	4	5	7	7	2	3	2	3	5	4	4	4	2	1	4	3	9	7	17	16	5	4	..	1
	3	2	3	1	4	4	3	1	3	3	5	4	2	2	..	1	6	7	5	8	1	1	..	1
Total,	83	83	80	90	28	28	28	28	65	65	62	62	7	7	13	13	127	128	163	163	46	46	46	46
Defective Vision too slight to benefit from Spectacles, ..	7	7	2	2	6	6	2	2	8	8	5	5	2	2	2	2	11	11	16	16	5	5	1	1
Defective Vision otherwise treated,	9	9	7	6	2	2	1	1	3	3	8	8	..	..	2	2	17	16	21	21	5	5	2	2
Total Number of Children Examined,	99		98		36		31		76		75		9		17		155		200		56		49	
Re-Examinations,	77		113		7		7		34		52		7		8		136		192		31		29	

Total Number of Children Examined—901.
Total Number of Spectacles supplied—680.

Report by School Nurses.

District.	Nurse.	Number of Children examined.	Total number of Inspections.	Number of Visits to Parents or Schools.	Verm'n or Nits on head.	Verm'n or Nits on body.	Verm'n Suspected.	Unsatisfactory Clothing.	Unsatisfactory Footgear.	Others.
Kirkintilloch, (Cumbernauld, S. Muirhead Arns, Southern Dis- trict, Condorrat)	C. Jeffrey,	317	1425	72	157	11	137	12	..	..
		45	148	18	20	3	21	1	..	..
New Kilpatrick, Old Kilpatrick, (Landward), Cumbernauld (Drumglass and Croy)	J. Scott,	99	482	40	74	10	10	7	3	1
		176	988	94	147	44	33	28	12	1
		51	254	14	43	12	5	12	13	1
Old Kilpatrick, (Clydebank, Elgin Street, Our Holy Redeemer)	S. Dougherty,	538	2615	69	206	23	251	22	7	44
Old Kilpatrick, (Radnor Park, Boquhanran, Dal- muir, St. Stephen's)	E. Lyle,	260	1543	74	116	11	68	6	5	31
Dumbarton, (Academy, Knox- land, College Street, High Street, St. Patrick's)	M. Gilmour,	409	1289	79	290	49	16	38	14	30
Vale of Leven,	E. Yule,	300	1406	103	220	16	30	62	15	10
Dumbarton, (West Bridgend, St. Patrick's High, Clerkhill), Helensburgh,	E. Stevenson,	302	1319	48	223	36	56	2	4	40
		167	804	73	92	19	60	1	3	29
Total,		2664	12273	684	1588	234	687	191	76	187

EDUCATION AUTHORITY OF THE COUNTY OF DUMBARTON.

MEDICAL INSPECTION AND TREATMENT OF SCHOOL CHILDREN.

HISTORY OF THE MOVEMENT.

By the Act of 1908 Secondary Education Committees were given power to arrange for the systematic medical examination of school children.

In 1909 my predecessor (Dr. J. C. M'Vail), then County Medical Officer, was asked by the Secondary Education Committee to submit a scheme for the County. This scheme, which included all the Burghs as well as the County Landward areas, suggested the appointment of two Medical Inspectors and a nurse with the County Medical Officer as Supervising Officer.

After some considerable discussion the scheme was adopted and finally approved by the Scottish Education Department.

It was not, however, until March, 1911, that the Medical Inspectors were appointed.

The approved scheme arranged for the division of the geographical County into two areas, the Eastern area to include all schools in the Cumbernauld, Kirkintilloch, New Kilpatrick, and Old Kilpatrick parishes with the exception of Duntocher Public School, Gavinburn School, Milton School and Duntocher St. Mary's School. These were included in the Western Area. The Western Area included all schools in the parishes of Arrochar, Bonhill, Cardross, Dumbarton, Kilmaronock, Luss, Roseneath, Row, and the four schools in West Kilpatrick Parish previously referred to.

THE ORIGINAL SCHEME.—The scheme itself was as follows and I give it here because it is still the basis of the Inspection work, with, of course, certain modifications :—

- (1) Weekly engagement lists are sent by the Medical Inspectors to the Medical Supervisor.
- (2) The Medical Inspectors notify (a) H.M. Inspector of Schools, (b) The Clerk to the School Board, and (c) The Head Teacher, of their intended visit, specifying the day and hour, the number of children to be examined, and other relative information.
- (3) The Head Teacher on receipt of this information sends to the parents of the children to be examined forms inviting the parents to be present at the inspection, with a series of questions relating to previous illnesses, etc.
- (4) The information so obtained is entered on a special record card, kept in the school, on which also is entered the results of the Medical Inspector's examination.
- (5) Routine inspection should take place at the ages of 5, 7, 10 and 13. (This was subsequently modified to 5, 8, 12 and 16).
- (6) Non-routine Inspection has reference to any child brought specially to the notice of the Medical Inspector by the Head Teacher or otherwise and entries are to be made on a special card.
- (7) The record cards are to be forwarded to the Medical Supervisor's Office after each inspection, where the details are abstracted for tabulation. The cards are then returned to the school.
- (8) If any child appears to the Medical Inspector to be physically defective, a notice is issued by the Medical Inspector calling the attention of the parent and advising the calling in of a doctor. The condition is intimated to the teacher and a reply post card is sent for the parent to hand to the private practitioner, on which he intimates that the child has been brought to him for treatment.

In certain diseases or conditions a printed card is also sent to the parent or guardian giving instructions and calling attention to the necessity for immediate treatment.

- (9) In verminous cases a card is sent giving instructions as to cleansing. If this is ignored a second warning card is sent and if no improvement occurs a notice is sent to the School Board in order that they may deal with the case in accordance with the Education Act or the Children Act.

This was the original scheme, which has been added to and modified as occasion arose.

In 1911 a nurse was appointed, her duty being to follow up defective cases and enter her visits on sheets which were forwarded to the Medical Supervisor from time to time for his information.

TREATMENT SCHEMES.—It was, of course, obvious that the scheme could not finish at that point but that some form of treatment must follow.

Certain of the School Boards started Treatment Schemes during the years 1912-1914. These were Bonhill, Dumbarton, Old Kilpatrick, New Kilpatrick, and Kirkintilloch.

In 1914, after much consideration and negotiation, 12 out of 14 School Boards in the County came to an agreement for a joint scheme, the dissenting School Boards being Bonhill and Cardross.

The proposal was to equip 6 centres for the treatment of defective vision and 6 centres for the treatment of dental defects and to arrange outwith the County for the treatment of any urgent case of enlarged tonsils and adenoids. The whole scheme was staffed by part-time officers.

At that time the only School Board not providing some form of treatment was Cardross.

A great deal of interruption took place in the various treatment arrangements owing to the war and the totally inadequate nature of these arrangements was specially referred to on page 18 of the Annual Report for 1914-1915. However, everything was at that time in the stage of transition. (Pages 81 to 88 of the same Report show the nature of the forms in use at the time and a statement is given as to their method of use).

The question of the treatment of cases of enlarged tonsils and adenoids and ear diseases occupied the attention of the Committee during the year ending July, 1916, but it was not until April, 1917, that a start was made in Clydebank, there being 32 examinations carried out during that year and 25 operations. The operations were carried out by Dr. Kerr Love and the nursing was done by the staff of the Clydebank Nursing Association.

In the Report for the year ending 31st July, 1917, page 49, appears the first real attempt to co-ordinate the work which had been going on in a spasmodic manner and here are found the charges and the fees to be paid, and, although these are now very much changed, the arrangements then made were used as the foundation for our present scheme.

PRESENT SCHEMES.

The advent of the Education Authority under the provisions of the Education (Scotland) Act, 1918, with the abolition of the School Boards acting individually, made the advance in the work almost meteoric in comparison with the previous ten years of difficulties.

Without detailing the order in which the arrangements became altered, I will now set forth the existing schemes.

MEDICAL INSPECTION SCHEME.—There are still only two Medical Officers for inspection work and the areas are the same as at first, with the exception that Castlecary School was taken over by Stirlingshire and Oswald Combination School and Temple School were absorbed by Glasgow.

The forms in use are the same with the necessary modifications due to the altered Committees, etc., and the following are additional :—

- (1) Forms relating to Physical Deficiency as related to Gymnastic Exercises in Schools.
- (2) Forms relating to Mental Deficiency and the certification of such cases.

In place of one nurse the County is now divided into seven areas, inspected by seven trained nurses who follow up defective cases and cases requiring treatment who have not accepted the treatment offered.

The only extra inspection work is that carried out by the whole-time dentists, appointed under the Dental Treatment Scheme. The purpose of this examination is to feed the respective Clinics.

MEDICAL TREATMENT SCHEME. DENTAL TREATMENT.—The staff consists of three wholetime and one part-time dentists, as follows :—Mr. Martin, L.D.S., Miss Vera Pugh, L.D.S., Miss E. M. M'Kendrick, L.D.S., and Mr. Wydner, L.D.S. (part-time). To each of the wholetime dentists is attached a dental attendant for clerical work and general assistance in the Clinic work.

The County is divided into four divisions, viz. :—

- (1) Dumbarton S.M.C. area and the populous portion of the Vale of Leven S.M.C. area.
 - (2) Clydebank Burghal area.
 - (3) Kirkintilloch Burghal area.
 - (4) The remaining schools not included in the above.
- In area No. 1 the actual schools dealt with are :—Dum-

barton Academy; Notre Dame R.C. High; St. Patrick's R.C. High; Knoxland; College Street; West Bridgend; St. Patrick's R.C.—Boys and Girls, and High Street Special School. Vale of Leven Academy; Renton; Main Street, Alexandria; Bonhill; Jamestown; St. Mary's R.C. and St. Martin's R.C. The child population in this area is 8,640.

The work is carried out in two fixed clinics :—

- (1) Old Academy Buildings, Church Street, Dumbarton. Specially fitted Clinic.
- (2) Welfare Clinic, Bank Street, Alexandria. (N.B. This Clinic is the property of the Western District Committee and the Education Authority pay £20 per annum for the use of the premises on certain days for dental and general clinic work.)

In area No. 2 the actual schools dealt with are :—Clydebank High; Dalmuir; Clydebank R.C.; Clydebank Public; Elgin Street; Radnor Park; Boquhanran, and St. Stephen's R.C. The child population is 9,337.

The work in this area is carried out in the Whitecrook Clinic, specially built and fitted.

In area No. 3 the actual schools dealt with are :—Lenzie Academy; St. Ninian's R.C.; Townhead; and Lairdsland. The child population is 2,846.

The work in this area is done in Lairdsland School. The Clinic is not very satisfactory as the room is used for other purposes. At present the dentist here is a part-time official.

In area No. 4 the actual schools dealt with are :—Hermitage; Clyde Street and James Street; Arrochar; Kilcreggan; Roseneath; Garelochhead and Glenmallonside; Shandon; Rhu; Glendouglas; Ardlui; Cardross; Glenfruin; St. Joseph's R.C., Helensburgh; Luss; Muirland; Ardoch Bridge; Croftamie; Duntocher; Gavinburn; Milton; St. Mary's R.C., Duntocher; Bearsden Academy; Milngavie Public; St. Joseph's R.C., Milngavie; Craigton; Drumchapel; Twechar; Gartconner; Cumbernauld; South Muirhead Arns; Drumglass; Southern District; Condorrat; and Holy Cross R.C., Croy. The child population is 6,212.

The work is carried out in four specially fitted clinics in schools at Helensburgh, Milngavie, Duntocher, and Twechar. Children who attend schools which are not readily accessible to these clinics are dealt with by means of a travelling clinic, which is taken from school to school as required. The accommodation used on these occasions is either a classroom, the teachers' room, a cloakroom, or some other available room which is not in use.

The clinics are supplied with patients in three ways :—

- (1) By routine inspection of age groups by the dentists, who select cases for treatment.
- (2) By routine inspection by School Medical Officers who refer cases requiring urgent treatment to the dentists.
- (3) By emergency cases, i.e., cases complaining of tooth-ache which are sent to the clinics by parents or head teachers.

In dealing with individual children conservancy treatment is aimed at and the percentage of such treatment has been increasing in past years. The numbers of extractions have, on the other hand, been falling, which is only right.

The actual procedure is as follows—On inspection M.T. 1 forms are filled up by the School Dentists or otherwise and these are forwarded to the Clerk of the School Management Committee who issues form M.T. 3 which the parent or guardian is required to sign and return if they desire the child referred to, to be treated. If free treatment, or treatment at a reduced rate, is desired the statement of income on the back of the form must be filled in. On receiving acceptances the Clerk to the School Management Committee is in a position to call up cases at specified times to suit the dentist, or the dentist calls up cases in rotation. The exact method of doing this varies in different areas. In the Clydebank area, for example, the method is not quite so simple as that in other areas.

The dentist reports to the Clerk to the School Management Committee when the case is completed giving details of the work done so that charges may be made where necessary.

It happens from time to time that children are either not amenable to the dentist's chair or have so much to be done in the way of extractions that it is better to give a general anaesthetic and during the session certain anaesthetic days are arranged, the anaesthetist of the Adenoid and Tonsils Clinic attending with a nurse. These days coincide as far as possible with the Tonsils and Adenoids operation days at the Clinics.

There is co-operation between the Education Authority and the District Committees and Town Councils in so far as the dental treatment of pre-school children is concerned, although the Authority did not, however, see their way to arrange for the treatment of expectant and nursing mothers.

The school nurses do not assist the dentists except in so far as mentioned above in connection with general anaesthetic cases.

TREATMENT OF EYE DEFECTS AND DISEASES.—It was originally intended that all children should be examined by the School Oculist on their entry into school life. This would have entailed the examination of all children by means of retinoscopy and had this been carried out the condition of our school children's eyes might have been better to-day than they are.

For this purpose a whole-time Oculist was appointed in 1921 but for various reasons the Authority altered the scheme and the terms of appointment of the Oculist. Thus there is no complete scheme of examination and treatment in force.

The existing staff consists of a part-time Oculist, who is assisted by the nursing staff at the various clinics.

There are five centres at which treatment is carried out, as follows :—

- Dumbarton, Old Academy Buildings—Specially fitted clinic.
- Clydebank, Whitecrook Clinic—Specially constructed clinic.
- Kirkintilloch, Lairdsland School—In schoolroom.
- Milngavie, Public School—In schoolroom.
- Hermitage School, Helensburgh—In specially fitted medical room.

At these clinics the Oculist may either prescribe spectacles or other forms of treatment. The procedure is as follows. When the Medical Officers during their routine, or non-routine, inspections find children suffering from eye defects or diseases the names of such children are entered on an M.T.1 form and forwarded to the Clerk to the School Management Committee concerned who issues to the parents or guardians M.T. 2 forms offering treatment. These forms, when completed, are considered by the School Management Committee with a view to determining the degree of necessity, if any. Thereafter the children are drafted to the clinics for treatment.

When spectacles are prescribed, the Oculist forwards the prescription to the School Management Clerk, who sends them on to the optician. The completed spectacles are sent to the Clerk who either intimates to the parents that the spectacles should be called for, or, in the case of certain School Management Committees where the parents live at a distance, the spectacles are sent to the schools and delivered to the child by the head teacher. In the Kirkintilloch area they are delivered by the attendance officer.

Children are advised by the Oculist to return to the clinic with the spectacles after they have worn them for about a

fortnight and if anything goes wrong with them at any time to take them to the clinic.

The Medical officers in their routine visits observe whether glasses continue to be suitable or whether some change is necessary. Arrangements are also made for the repair of broken spectacles.

In the case of children requiring other treatment the method of treatment is prescribed by the Oculist and the actual treatment is carried out by the school nurses at the clinics for minor ailments. These children are seen by the Oculist at intervals until recovery takes place.

Pre-school children are also dealt with at these clinics.

It is also the duty of the Oculist to visit from time to time the classes for high myopes and to assure himself that the arrangements there are satisfactory. There are two such classes, one in College Street School, Dumbarton, and the other in Boquhanran School, Clydebank.

The School Oculist also visits schools from time to time to see special children, more especially in areas where there are no facilities for teaching high myopes in special classes.

It is also the duty of the School Oculist to report on blind adults or children requiring further teaching or training under the provisions of the Blind Persons Act, 1920.

An arrangement is in operation for the treatment of children where necessary in the Glasgow Ophthalmic Institution, and where an eye has had to be removed the Authority supply an artificial one if the School Oculist considers that course desirable in the interests of the patient.

The charges for treatment at Ophthalmic Clinics will be found in the section relating to fees, charges, and scales of necessity.

TREATMENT OF ENLARGED TONSILS AND ADENOIDS AND EAR DISEASES.—The Staff for this work consists of a part-time surgeon (Dr. Kerr Love) assisted by an anaesthetist (who is selected from a rota of general practitioners in the neighbourhood), with certain of the school nurses.

The operations take place in specially fitted clinics at Dumbarton, Clydebank, and Kirkintilloch; at Dumbarton every Monday morning; at Clydebank every Wednesday morning except the first Wednesday of every month and also the fifth Wednesday (where five Wednesdays occur in any month), when the operations are at Kirkintilloch.

After operation the children are retained in a specially fitted ward over night. They are visited in the ward during the evening by the medical practitioner who has acted as

anaesthetist, and when it appears necessary they are visited at intervals until they are removed home on the following day. There are two nurses on the premises during the night, one on full night duty and the other sleeping there to be on duty in case of emergency.

At Dumbarton and Clydebank the children are taken home by two nurses in the Education Authority's Motor Ambulance, which has special arrangements fitted to allow of the children being in a recumbent position. In Kirkintilloch arrangements are made with a hiring contractor for a conveyance and a nurse also accompanies the children.

After the child has been returned home the nurse for the area in which the child lives visits from time to time and watches its progress.

On taking the child home a notice is left advising the parents to call in a medical man if haemorrhage should occur. In the event of such an emergency occurring the Education Authority pays the doctor's fees at the rate of 3/- per day visit and 6/- per night visit.

After recovery from the operation the children are seen by the Medical Officers in the schools at routine or non-routine visits.

In the case of ear diseases, although no operations are undertaken at the Clinics arrangements are made for treatment of the child in Glasgow and the after-treatment may be carried out at the school clinics if required.

At each meeting of these operation clinics the Surgeon examines further cases and decides as to the form of treatment desirable. The children who are examined are recommended by the School Medical Officers or by general practitioners.

TREATMENT OF CERTAIN SKIN DISEASES.—In order to cope with such diseases as Eczema, Impetigo, or other conditions requiring prolonged treatment, clinics were established in the following centres, viz., Helensburgh, Dumbarton, Alexandria, Clydebank, Milngavie, Bearsden, Kirkintilloch, Cumbernauld, Croy, Duntocher and Twechar.

In the three big centres, Dumbarton, Clydebank, and Kirkintilloch, the work is done in the special clinics. In Helensburgh and Alexandria the Child Welfare Centre is used, while in the others accommodation is found in schools. This latter accommodation varies, in Twechar, Milngavie, and Duntocher the room being specially reserved for that purpose, while in the other schools accommodation is found in any suitable room.

These clinics are also used for treating such conditions

as minor school accidents and for continuing treatment prescribed by the Oculist or other Specialist employed by the Authority.

X-RAY TREATMENT.—In order to minimise the loss of attendances in cases of Ringworm or Favus, a special clinic was equipped with X-Ray apparatus in Clydebank, to serve the whole County. Dr. Goodwin Tomkinson, Glasgow, was appointed as Skin Specialist and he is assisted by the Medical Officers and nurses as required.

A Deans tube is in use and has given satisfactory results.

Ringworm is also treated by Ethyl Chloride if X-Rays are not considered suitable for any reason.

FORMS IN USE.—The forms in use for all Treatment Clinics are the same, with the appropriate modification, as those described under Dental Clinics.

ORTHOPAEDIC TREATMENT.—Although as yet no such clinics have been arranged for, certain orthopaedic work is undertaken in the way of supplying appliances to enable children to attend school.

The appliances are made either by a selected surgical instrument maker or by arrangement with the Sick Children's Hospital, Glasgow.

OTHER FORMS OF TREATMENT.—It has been possible to make arrangements for the provision of Ultra-Violet Ray treatment in certain areas of the County.

The Western District Committee have agreed to treat School Children at their Child Welfare Clinic in Alexandria. This will apply to any child from the Western District, however distant. The charge is 2/6 per treatment.

The Town Council of Dumbarton has agreed to treat any child attending the Dumbarton Burgh schools at a similar charge.

The Committee of the Blawarthill Joint Hospital have agreed to treat any child from the Clydebank Burgh area (Area served by the Hospital) at £2 2s per course of 12 weeks, with two attendances per week; if less than 12 weeks the charge to be 2/6 per attendance with a minimum charge of £1 0s 0d (8 attendances). If the child is resident outside the area served by the Hospital, the charge to be £2 16s 0d per course as above.

It has not been possible to make any arrangements for such treatment in the areas east of the City of Glasgow.

SCALE OF CHARGES.—The following are the scales of necessity and charges adopted by the Education Authority

for all cases applying for treatment under the Scheme :—

Where the family income does not exceed :—

For 2 adults and 1 child,	...	...	£1 15 0
do. 2 children,	...	...	1 17 6
do. 3 children,	...	...	2 0 0

and so on, allowing 2/6 for each additional child, treatment may be provided free.

Where the family income exceeds the above Scale of Necessity, but does not exceed double that scale, the following charges shall be made :—

Eye Treatment :—Spectacles at special contract rate.

Dental Treatment :—6d for first tooth treated, and 3d for each additional tooth treated. Where general anaesthetic is administered (to include treatment) 2/6.

Adenoid and Tonsil Treatment :—5/-

X-Ray Treatment of Ringworm—5/-

Other Skin Treatment (Ringworm and Favus)—2/6

Ultra-Violet Ray Treatment—9d to 1/3 per treatment.

Where the family income exceeds double the above scale, the following charges shall be made :—

Eye Treatment :—Spectacles at special contract rate.

Dental Treatment—8d for first tooth treated, and 4d for each additional tooth treated.

Where general anaesthetic is administered (to include treatment)—4/-

Adenoid and Tonsil Treatment—7/6 to 10/-.

X-Ray Treatment for Ringworm—7/6 to 10/-.

Other Skin Treatment (Ringworm and Favus)—2/6.

Ultra-Violet Ray Treatment—1/6 to 2/- per treatment.

In connection with co-operation with the Public Health Local Authorities for the treatment of Pre-school children the following charges have been arranged :—

Adenoids and Tonsils—£1 per case.

Eye Treatment—No charge to be made for services of Oculist, but spectacles to be provided at contract prices.

Dental Treatment—8d for first tooth, either extraction or filling, and 4d for each tooth thereafter.

Skin Diseases (Including Ringworm and Favus)—When treated by X-Rays the charge to be at the rate of £1 10/- per case ; where treatment is given without X-Rays the charge will be 10/- per case.

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