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COUNTY COUNCIL OF DUNBARTON.

Twenty-first Annual Report

on the

MEDICAL INSPECTION OF
SCHOOL CHILDREN.

1931-1932.

(Year ending 31st July, 1932).

KIRKINTILLOCH
PRINTED BY D. MACLEOD, LTD.

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PREFACE.

To the County Council
of the County of Dunbarton.

LADIES AND GENTLEMEN,

I now submit the Twenty-first Annual Report on the Medical Inspection of School Children in the County area which has been compiled by the Medical Officers.

The standard of cleanliness amongst the children has been on the whole well maintained, but it is of interest to note that the Medical Officers have observed that parents are tending to allow their children's hair to grow longer nowadays, and it is to be hoped that this is not the precursor of less cleanly conditions. When School Inspection commenced in 1911, with long hair in vogue, the percentage of dirty and verminous heads amongst girls was high, over 3%, this figure dropped to 0.3% on the average, but it has now risen to over 0.5%. The cult of the short hair was one of the most marked advances towards cleanliness in the past decades, and it is to be sincerely hoped that the fashion will not change to any extent.

As regards heights and weights the Medical Officers have revised the County standard by the inclusion of actual findings in recent years. The average figures used now are those of the eleven years—1919-20 to 1929-30; and the actual observations range from 13,000 in the entrant group to 769 in the 16 year old group.

Comparing the findings of the year under review with this standard, it is found that the children were taller and heavier than the average of previous years in every group except one, in which the average weight is the same as the standard, the height slightly exceeding it.

As far as nutrition is concerned the present day scholar does not show any marked deterioration when compared with the returns for 1930-31. The percentage "below average nutrition" this year is 10.2 as against 11.1 in 1930-31, and cases having "very bad nutrition" are .7% this year as against .9% in the previous year. This satisfactory condition is reflected in the school attendances. In spite of a somewhat severe epidemic of infectious disease the average attendance reached the figure of 89.4% which has only thrice been exceeded since 1919.

During the session the Medical Officers commenced observations on the conditions of children who had undergone

operations for the removal of Tonsils and Adenoids. It was not, however, found possible in the time available to collect sufficient data on which to base any definite finding, but an improvement in health would appear to follow in the majority of cases.

It is satisfactory to record the increased interest taken by parents in the work of the routine examinations. In 1911. 1912 parents were present at only 3% of examinations, whilst now the corresponding figure is 44.3%.

During 1932 the Orthopædic Clinics at Clydebank and Dumbarton were opened and work commenced there. The Clinic at Kirkintilloch which is to replace the present somewhat scattered accommodation was nearing completion at the end of the School session.

I am,

Your obedient Servant,

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

88 COLLEGE STREET,
DUMBARTON.

County Council of Dunbarton.

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.

CHARLES C. SLORACH, 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.Sc.
(part-time).

Ear, Nose, and Throat Specialist.

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

Dermatologist.

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

Instructress at Orthopaedic Clinics.

†JEAN MASTERTON, (part-time)

Inspection and Clinic Nurses.

C. M. JEFFREY. S. DOUGHERTY.

M. GILMOUR. E. LYLE. E. YULE.

E. STEVENSON. J. SCOTT.

Nurses for Special Schools.

J. L. THOMSON. J. MACDONALD.

Dental Attendants.

ANNIE RAE. MARION A. W. JAMIESON.

HENRY M'MANUS.

Attendant at Orthopaedic Clinics.

*EVELYN V. BOYD.

Clerks

GEORGE S. BROWNE. AGNES M'M. KENNEDY.

† Commenced Duty 15th April, 1932.

* Commenced Duty 15th May, 1932.

REPORT

ON THE

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

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,	61
	==

(b) Number of Children on Register and in Average Attendance during Session 1931-32.

School Management Area.	Average on Roll.	Average Attending.	Per Cent.
Cumbernauld,	894·5	807·5	90·3
Kirkintilloch,	3,498·1	3,163·7	90·4
New Kilpatrick, ..	1,396·9	1,243·3	89·0
Old Kilpatrick, ..	10,437·5	9,375·7	89·8
Dumbarton,	5,008·5	4,454·9	88·9
Vale of Leven,	3,798·8	3,314·9	87·3
Helensburgh,	1,672·6	1,520·1	90·9
Total, ..	26,706·9	23,880·1	89·4

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, 500

4.—Number of Special Visits by Medical Officers.

For re-examination of defective children, . . .	17
For examination of backward or mentally or physically defective children,	86
For examinations for employment licences, . . .	5
Attendances at Clinics,	436
Attendances for office work, etc.,	60
For inquiry regarding infectious diseases, . . .	13

5.—SANITARY CONDITION OF SCHOOLS.

The policy of remodelling the lavatories has again been pursued, and during the year such improvements have been carried out at the undernoted schools:—

Kilcreggan P. School ...	... Boys' Lavatories.
Luss Do. ...	Boys' and Girls' Lavatories.
St. Martin's R.C. Do. ...	Girls' Lavatories.
St. Patrick's R.C. Elementary Do. ...	Boys' and Girls' Do.
(M'Lean Place)	
Holy Cross R.C. Do. ...	Do. Do. Do.

This work entailed the removal of defective woodwork and the replacement of old and obsolete fittings by modern wash-down closets; and these installations have been found very satisfactory.

A further replacement of obsolete drinking fountains has also taken place. The old Kennedy wells at the following schools have been dismantled and modern hygienic drinking fountains erected:—

St. Joseph's R.C. School, Helensburgh.
College Street P. School, Dumbarton.
St. Patrick's H.G. School, Dumbarton.
Whitecrook P. School, Clydebank.
Radnor Park P. School, Clydebank.

The question of cross ventilation in several of the older school buildings still engages the attention of the Committee, and, during the summer vacation period, opening parts and hopper sashes have been fitted in the windows of various schools.

As in former years, a considerable amount of painter work has been done, and all outside lavatories, heating chambers, stores and outhouses have been limewashed.

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

The scheme for administration is fully described in the 1928-29 Report, pages 44-54 and 1930-31 Report, pages 7 and 8.

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,	262	72	27·4	10
Kirkintilloch,	1060	429	40·4	110
New Kilpatrick,	384	145	37·7	15
Old Kilpatrick,	2985	1478	49·5	661
Dumbarton,	1372	491	35·7	369
Vale of Leven,	1031	560	54·3	639
Helensburgh,	504	194	38·4	189
Total,	7598	3369	44·3	1993

It is interesting to note that the number of parents present at the inspections has steadily increased from 3 per cent. in 1911-12 to the present figure.

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	50	50	100	8½	66	36	102	12½	28	32	60	144	118	262
Kirkintilloch,	5½	170	160	330	8½	159	148	307	12½	202	177	379	559	501	1060
New Kilpatrick,	5½	52	70	122	8½	75	54	129	12½	50	67	117	186	198	384
Old Kilpatrick,	5½	520	524	1044	8½	462	514	976	12½	437	476	913	1451	1534	2985
Dumbarton,	5½	214	205	419	8½	188	166	354	12½	273	245	518	721	651	1372
Vale of Leven,	5½	181	158	339	8½	197	173	370	12½	152	145	297	542	489	1031
Helensburgh,	5½	91	74	165	8½	87	92	179	12½	80	56	136	272	232	504
Total,	5½	1278	1241	2519	8½	1234	1183	2417	12½	1222	1198	2420	3875	3723	7598
															NON-ROUTINE
															57
															388
															47
															1151
															703
															842
															303

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

SCHOOL MANAGEMENT AREA.		CUMBERNAULD.			KIRKINTILLOCH.			NEW KILPATRICK.			OLD KILPATRICK.			DUMBARTON.			VALE OF LEVEN.			HELENSBURGH.			TOTAL.		
Number of Cases examined,		262			1000			384			2985			1372			1031			504			7598		
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.	%		No.	%		No.	%		No.	%		No.	%		No.	%		No.	%		No.	%	
A.	Vermin or Nits on Head, ...	4	1.5	1	17	1.6	..	1	0.2	..	229	7.6	1	170	12.3	..	134	13.0	1	33	6.5	..	588	7.3	3
G.	Vermin on Clothing, ...	..	..	..	1	0.09	..	..	..	..	5	0.1	..	2	0.1	..	3	0.3	..	1	0.2	..	12	0.1	..
J.	Unsatisfactory Footgear, ...	..	..	..	..	..	..	..	..	..	1	0.03	..	1	0.07	..	1	0.1	..	..	..	..	3	0.03	..
K.	Unsatisfactory Clothing, ...	..	..	..	3	0.2	2	..	..	..	22	0.7	..	10	0.7	..	11	1.0	..	1	0.2	..	47	0.6	2
D.	Tonsils and Adenoids, ...	4	1.5	2	12	1.1	9	5	1.3	6	146	4.9	98	94	6.8	24	73	7.0	83	41	8.1	24	375	4.9	246
E.	Ear Disease, ...	..	..	..	2	0.1	..	..	..	..	10	0.3	2	1	0.07	..	4	0.3	..	..	..	..	17	0.2	2
H.	Defective Vision and Eye Disease,	7	2.3	3	19	1.7	18	6	1.5	4	129	4.3	72	96	6.9	10	67	6.5	78	28	5.5	55	352	4.6	240
U.M.T.	Already under Treatment, ...	2	0.7	3	14	1.3	3	4	1.0	1	48	1.5	9	1	0.07	..	23	2.2	2	9	1.7	3	101	1.3	21
P.A.	Parents Advised, ...	20	7.6	10	82	7.7	100	18	4.6	15	708	23.6	561	435	31.7	369	577	55.9	639	188	37.3	189	2118	27.8	1983
Total, ...		37	..	19	150	..	132	34	..	26	1388	..	843	810	..	403	893	..	803	301	..	271	3613	..	2497

7.—E. Footgear.

SCHOOL MANAGEMENT AREA.	Number Examined.	ROUTINE CASES.										NON-ROUTINE.	
		Good.		Medium.		Bad.		None.		Bad.	None.		
		No.	%	No.	%	No.	%	No.	%				
Cumbernauld,	Boys, Girls,	144 118	99.3 100.0	1 ..	0.7	
	Total,	262	99.6	1	0.4	..	..	..	..	..	..
	Boys, Girls,	559 501	98.9 99.6	2 1	0.3 0.2	3 1	0.5 0.2	2 ..	0.3 ..	.. ..	.. ..
Kirkintilloch,	Total,	1060	99.1	3	0.3	4	0.4	2	0.2	..	..
	Boys, Girls,	186 198	100.0 100.0	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
	Total,	384	100.0	..	..	..	..	..	..	..	..
New Kilpatrick,	Boys, Girls,	1451 1534	97.5 97.7	29 35	2.0 2.2	4 2	0.3 0.1	3 ..	0.2 ..	.. ..	.. ..
	Total,	2985	97.6	64	2.1	6	0.2	3	0.1	1	..		
	Boys, Girls,	721 651	94.3 97.4	23 8	3.2 1.2	17 9	2.4 1.4	1 ..	0.1 ..	.. ..	.. ..
Dumbarton,	Total,	1372	95.7	31	2.3	26	1.9	1	0.1	..	..
	Boys, Girls,	542 489	95.6 95.0	19 21	3.5 4.2	4 4	0.7 0.8	1 ..	0.2 ..	.. ..	.. ..
	Total,	1031	95.2	40	3.9	8	0.8	1	0.1	..	..
Vale of Leven,	Boys, Girls,	272 232	98.9 96.6	2 8	0.7 3.4	.. ..	.. ..	1 ..	0.4 ..	.. ..	.. ..
	Total,	504	97.9	10	1.9	..	..	1	0.2	..	..
	Boys, Girls,	3875 3723	97.2 97.7	76 73	1.9 1.9	28 16	0.7 0.4	8 ..	0.2 ..	.. ..	.. ..
Helensburgh,	Total,	7598	97.4	149	1.9	44	0.6	8	0.1	1	..		

SCHOOL MANAGEMENT AREA	BOYS															GIRLS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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	Number Examined.	Average Age.	Anthropometric Standard.	Anthropometric Standard.	Anthropometric Standard.	Number Examined.	Average Age.	Anthropometric Standard.	Anthropometric Standard.	Anthropometric Standard.	Number Examined.	Average Age.	Anthropometric Standard.	Anthropometric Standard.	Anthropometric Standard.	Number Examined.	Average Age.	Anthropometric Standard.	Anthropometric Standard.	Anthropometric Standard.	Number Examined.	Average Age.	Anthropometric Standard.	Anthropometric Standard.	Anthropometric Standard.	Number Examined.	Average Age.	Anthropometric Standard.	Anthropometric Standard.	Anthropometric Standard.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Cumbersall, Kirkstall, New Elphinst, Old Elphinst, Darnley, Vale of Leven, Halesburgh.	30	5 1/2	41.0	41.0	40.8	39.9	65	8 1/2	45.7	47.0	51.7	54.9	238	12 1/2	56.1	54.9	38.5	39.7	140	5 1/2	41.2	40.8	39.9	39.6	36	8 1/2	47.0	46.5	45.0	45.4	127	12 1/2	56.0	55.7	52.7	54.1	61.7	..	113.4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	170	25 1/2	41.5	..	40.6	..	159	8 1/2	46.3	..	54.0	..	202	12 1/2	55.4	..	77.3	..	28	16 1/2	65.2	148	8 1/2	47.0	46.5	45.0	45.4	14	8 1/2	46.2	14	8 1/2	46.2	16	16 1/2	66.1	..	117.7	..	113.1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	22	5 1/2	42.8	..	41.6	..	73	8 1/2	30	12 1/2	9	16 1/2	66.0	14	8 1/2	46.2</

*It has been felt that the Anthropometric Standard is not satisfactory.

because it was based on an insufficient number of observations. A County of Dunbarton 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 1920-29 to 1929-30.

	Entrants.		8 Years of Age.		12 Years of Age.		16 years of Age.	
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.
Number Examined.	15, 28	13, 059	17, 693	11, 582	12, 800	12, 454	709	774
Average Age. ...	15 $\frac{1}{2}$	8 $\frac{1}{2}$	8 $\frac{1}{2}$	8 $\frac{1}{2}$	22 $\frac{1}{2}$	12 $\frac{1}{2}$	16 $\frac{1}{2}$	16 $\frac{1}{2}$

ROUTINE CASES.

SCHOOL MANAGEMENT AREA.	No. of Rou- tine Cases exam- ined.	ROUTINE CASES.						BODY.						NON-ROUTINE			
		HEAD.			BODY.			HEAD.			BODY.			NON-ROUTINE			
		Good.		Medium.	Bad.		Good.		Medium.	Bad.		Good.		Medium.	Bad.		
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Cumbernault,	Boys,	144	99.3	1	0.7	..	..	138	95.9	5	3.4	1	0.7	..	..	..	..
	Girls,	118	93.3	8	6.7	..	..	109	92.4	7	5.9	2	1.7	..	..	..	..
	Total,	262	96.6	9	3.4	..	..	247	94.4	12	4.5	3	1.1	..	..	..	..
Kirkintilloch,	Boys,	559	98.2	10	1.7	1	0.1	529	94.7	28	5.0	2	0.3	..	..	..	..
	Girls,	501	97.6	12	2.3	1	0.1	484	96.8	16	3.1	1	0.1	..	..	..	..
	Total,	1060	97.9	22	2.0	2	0.1	1013	95.7	44	4.1	3	0.2	1	0.1	..	..
New Kilpatrick,	Boys,	186	100.0	..	..	..	..	185	99.5	1	0.5	..	..	..	..	..	..
	Girls,	198	100.0	..	..	..	..	196	99.0	2	1.0	..	..	..	..	..	..
	Total,	384	100.0	..	..	..	..	381	99.3	3	0.7	..	..	..	..	..	..
Old Kilpatrick,	Boys,	1451	97.1	41	2.8	1	0.1	1388	95.7	60	4.1	3	0.2	..	..	..	..
	Girls,	1534	94.5	84	5.4	1	0.1	1474	96.1	60	3.9	..	..	..	..	..	..
	Total,	2985	95.8	125	4.1	2	0.1	2862	95.9	120	4.0	3	0.1	..	..	..	..
Dumbarton,	Boys,	721	97.5	18	2.4	1	0.1	690	95.8	28	3.8	3	0.4	..	..	..	..
	Girls,	651	97.3	18	2.7	..	..	629	96.7	22	3.3	..	..	..	..	..	..
	Total,	1372	97.4	36	2.5	1	0.1	1319	96.2	50	3.6	3	0.2	..	..	..	..
Vale of Leven,	Boys,	542	97.2	15	2.7	1	0.1	522	96.5	19	3.4	1	0.1	..	..	..	..
	Girls,	489	96.8	15	3.0	1	0.2	469	96.0	18	3.6	2	0.4	..	..	..	..
	Total,	1031	97.0	30	2.9	2	0.1	991	96.3	37	3.5	3	0.2	..	..	..	..
Helensburgh,	Boys,	272	99.3	2	0.7	..	..	269	98.9	3	1.1	..	..	..	..	..	..
	Girls,	232	98.3	4	1.7	..	..	228	98.3	4	1.7	..	..	..	..	..	..
	Total,	504	98.8	6	1.2	..	..	497	98.6	7	1.4	..	..	..	..	..	..
Total,	Boys,	3875	97.7	87	2.2	4	0.1	3721	96.1	144	3.7	10	0.2	..	..	..	..
	Girls,	3723	96.2	141	3.7	3	0.1	3589	96.5	129	3.4	5	0.1	..	..	..	..
	Total,	7598	97.0	228	2.9	7	0.1	7310	96.4	273	3.5	15	0.1	1	0.1	..	..

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,	262	18	6·8
Kirkintilloch,	1060	36	3·3
New Kilpatrick,	384	6	0·7
Old Kilpatrick,	2985	327	10·9
Dumbarton,	1372	293	21·3
Vale of Leven,	1031	169	16·4
Helensburgh,	504	38	7·5
Total,	7598	887	11·6

7.—I. 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, Girls,	144 118	4 11	2.7 9.2	135 98	93.9 83.2	5 9	3.4 7.6	....	....	....
	Total,	262	15	5.7	233	89.0	14	5.3	..	..	..
Kirkintilloch,	Boys, Girls,	559 501	27 40	4.8 7.9	515 434	92.2 86.8	17 27	3.0 5.3	....	....	....
	Total,	1060	67	6.3	949	89.6	44	4.1	..	..	1
New Kilpatrick,	Boys, Girls,	186 198	18 26	9.6 13.1	163 166	87.8 83.9	5 6	2.6 3.0	....	....	....
	Total,	384	44	11.4	329	85.8	11	2.8	..	..	..
Old Kilpatrick,	Boys, Girls,	1451 1534	70 81	4.8 5.2	1261 1286	87.1 84.0	116 159	7.9 10.3	4 8	0.2 0.5	....
	Total,	2985	151	5.0	2547	85.4	275	9.2	12	0.4	3
Dumbarton,	Boys, Girls,	721 651	104 83	14.4 12.7	458 398	63.6 61.2	148 140	20.5 21.5	11 30	1.5 4.6	....
	Total,	1372	187	13.6	856	62.5	288	20.9	41	3.0	..
Vale of Leven,	Boys, Girls,	542 489	17 19	3.0 3.8	458 414	84.7 84.8	61 55	11.2 11.2	6 1	1.1 0.2	....
	Total,	1031	36	3.4	872	84.8	116	11.2	7	0.6	..
Helensburgh,	Boys, Girls,	272 232	16 12	5.8 5.1	233 207	85.9 89.3	22 13	8.0 5.6	1 ..	0.3..	....
	Total,	504	28	5.5	440	87.5	35	6.9	1	0.1	..
Total,	Boys, Girls,	3875 3723	256 272	6.6 7.3	3223 3003	83.3 80.8	374 409	9.6 10.9	22 39	0.5 1.0	....
	Total,	7598	528	6.9	6226	82.2	783	10.2	61	0.7	4



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

11a

SCHOOL MATRONS' AREA.	Boys.												Girls.																														
	Estimate.			Age 8.			Age 12.			Age 16.			Estimate.			Age 8.			Age 12.			Age 16.																					
	Number Examined.	Average Age.	Anthropometric Standard.	Number Examined.	Average Age.	Anthropometric Standard.	Number Examined.	Average Age.	Anthropometric Standard.	Number Examined.	Average Age.	Anthropometric Standard.	Number Examined.	Average Age.	Anthropometric Standard.	Number Examined.	Average Age.	Anthropometric Standard.	Number Examined.	Average Age.	Anthropometric Standard.	Number Examined.	Average Age.	Anthropometric Standard.																			
Height.	Weight.	Height.	Weight.	Height.	Weight.	Height.	Weight.	Height.	Weight.	Height.	Weight.	Height.	Weight.	Height.	Weight.	Height.	Weight.	Height.	Weight.	Height.	Weight.	Height.	Weight.																				
Cumbersall, Kirkstall, New Kirkstall, Old Kirkstall, Dumbarton, Vale of Leven, Walsingham.	20	5½	41-0	41-0	40-9	29-9	66	8½	48-7	47-0	35-7	28-9	28	12½	56-3	54-9	70-7	11-0	50	5½	41-2	40-8	38-3	39-6	26	8½	47-0	46-6	35-0	32-1	32	12½	56-6	55-7	62-7	58-4	11	18½	64-5	61-7	117-1		
	170	5½	41-5	40-6	29-9	159	8½	48-2	47-0	34-0	202	12½	55-4	54-4	70-7	9	16½	65-2	61-3	119-4	180	5½	41-4	40-8	38-3	39-6	148	8½	47-0	46-6	34-0	31-0	177	12½	56-2	55-7	62-7	58-4	16	16½	64-5	61-7	117-1
	22	8½	42-8	41-6	30-6	73	8½	50-0	48-2	36-2	59	12½	55-0	53-0	69-1	9	14½	60-0	56-3	122-3	70	5½	42-2	41-2	42-4	40-4	24	8½	48-1	47-0	34-0	31-0	67	12½	56-9	56-0	61-9	58-0	7	15½	62-0	58-0	115-1
	509	5½	42-2	41-4	30-6	462	8½	48-7	47-0	34-8	427	12½	55-5	53-5	69-1	32	16½	65-1	61-3	119-3	514	5½	42-0	41-0	39-2	40-4	514	8½	48-2	47-0	34-0	31-0	476	12½	56-1	55-1	61-9	58-0	29	16½	61-0	58-0	115-0
	234	5½	42-0	40-7	30-6	188	8½	48-0	46-8	34-8	225	12½	54-9	52-9	68-1	48	14½	62-0	58-3	118-1	158	5½	42-4	41-3	39-0	40-9	173	8½	48-4	47-3	34-0	31-0	143	12½	56-2	55-2	61-9	58-0	13	16½	62-1	59-0	114-9
	181	5½	42-0	40-9	30-6	167	8½	47-4	46-4	34-4	152	12½	54-9	52-9	68-1	32	16½	62-0	58-3	118-1	158	5½	42-0	41-0	39-4	40-6	173	8½	48-0	47-0	34-0	31-0	143	12½	56-2	55-2	61-9	58-0	13	16½	62-1	59-0	114-9
	91	8½	43-1	42-5	30-6	87	8½	49-0	47-0	34-0	80	12½	56-1	54-2	68-1	14	16½	65-8	61-4	119-0	74	5½	42-0	41-0	39-0	40-0	92	8½	48-0	47-0	34-0	31-0	56	12½	57-4	56-4	62-6	58-0	10	16½	61-0	58-0	114-9
Total.	1278	5½	42-4	41-0	30-9	1134	8½	48-3	47-0	35-3	1022	12½	55-0	54-0	70-4	11	18½	65-8	61-3	119-0	1241	5½	41-9	40-8	38-3	39-6	1185	8½	48-0	46-6	35-0	32-1	1158	12½	56-4	55-7	62-7	58-4	201	16½	63-0	61-7	119-1
*County Standard.		42-3 inches.	41-0 lbs.		County Standard.		48-3 inches.	47-0 lbs.		County Standard.		55-0 lbs.	54-0 lbs.		County Standard.		65-8 inches.	61-3 lbs.		County Standard.		41-7 inches.	40-7 lbs.	38-3 lbs.	39-6 lbs.	County Standard.		48-2 inches.	46-6 lbs.	35-0 lbs.	32-1 lbs.	County Standard.		56-4 inches.	55-7 lbs.	62-7 lbs.	58-4 lbs.	County Standard.		63-0 inches.	61-7 lbs.	119-1 lbs.	

Because it was based on an insufficient number of observations.

A County of Dumbarton Standard has therefore been arrived at by combining and averaging the figures in previous Annual Reports for a number of years back.

*It has been felt that the Anthropometric Standard is not satisfactory.

because it was based on an insufficient number of observations.

A County of Distinction 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 1909-10 to 1929-30.

Number Examined.	Estimate.		8 Years of Age.		12 Years of Age.		16 Years of Age.	
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.
	13, 28	13, 159	11, 805	11, 982	12, 850	12, 894	769	774
Average Age.	5 1/2	5 1/2	8 1/2	8 1/2	12 1/2	12 1/2	16 1/2	16 1/2

7.—J. Teeth.

SCHOOL MANAGEMENT AREA.		ROUTINE CASES.										NON-ROUTINE.	
		No. of cases Ex- amined.	No Teeth. Decayed.		1 to 4 Teeth Decayed.		5 or more Teeth Decayed.		Oral Sepsis.		5 or more Decayed.	Oral Sepsis.	
			No.	%	No.	%	No.	%	No.	%			
Cumbernauld,	Boys,	144	58	40.3	66	45.9	20	13.8	2	1.4	..	..	..
	Girls,	118	49	41.5	54	45.8	15	12.7	3	2.5	..	..	..
	Total,	262	107	40.8	120	45.9	35	13.3	5	1.9	..	..	..
Kirkintilloch,	Boys,	559	248	44.3	229	41.0	82	14.6	7	1.2	..	..	..
	Girls,	501	207	41.3	215	43.0	79	15.8	..	..	..	..	..
	Total,	1060	455	42.8	444	42.0	161	15.2	7	0.6	..	..	..
New Kilpatrick,	Boys,	186	84	45.1	76	40.8	26	13.9	1	0.5	..	..	..
	Girls,	198	97	50.0	75	37.9	26	13.1	2	1.0	..	..	..
	Total,	384	181	47.1	151	39.3	52	13.6	3	0.8	..	..	..
Old Kilpatrick,	Boys,	1451	604	41.6	632	43.5	215	14.9	55	3.8	..	..	..
	Girls,	1534	679	44.3	643	41.9	212	13.8	62	4.0	..	..	..
	Total,	2985	1283	42.9	1275	42.8	427	14.3	117	3.9	..	15	..
Dumbarton,	Boys,	721	205	28.4	359	49.9	157	21.7	27	3.8	..	..	..
	Girls,	651	199	30.7	341	52.3	111	17.0	22	3.4	..	..	..
	Total,	1372	404	29.5	700	51.2	268	19.3	49	3.6	..	..	..
Vale of Leven,	Boys,	542	158	29.1	273	50.4	111	20.5	48	8.8	..	..	..
	Girls,	489	182	37.2	221	45.2	86	17.6	30	6.1	..	..	..
	Total,	1031	340	33.2	494	47.8	197	19.0	78	7.5	..	29	..
Helensburgh,	Boys,	272	105	38.6	111	40.8	56	20.6	26	9.5	..	..	..
	Girls,	232	84	36.2	98	42.3	50	21.5	21	9.0	..	..	..
	Total,	504	189	37.4	209	41.5	106	21.1	47	9.4	..	6	..
Total,	Boys,	3875	1462	37.7	1746	45.0	667	17.3	140	3.6	..	..	..
	Girls,	3723	1497	40.2	1647	44.2	579	15.6	118	3.2	..	..	..
	Total,	7598	2959	39.0	3393	44.6	1246	16.3	258	3.4	..	..	..

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.	%		No.	%		No.	%		No.	%	
Cumbernauld,	262	2	0.7	..	..	..	1	1	0.3	2	3	1.1	3
Kirkintilloch,	1060	2	0.1	..	7	0.6	4	3	0.2	13	12	1.1	17
New Kilpatrick,	384	..	..	..	..	..	..	1	0.2	..	1	0.2	..
Old Kilpatrick,	2985	22	0.7	5	90	3.0	13	6	0.2	3	118	3.9	21
Dumbarton,	1372	40	2.9	2	44	3.1	4	7	0.5	1	91	6.5	7
Vale of Leven,	1031	8	0.7	3	46	4.4	10	1	0.1	3	55	5.2	16
Helensburgh,	504	11	2.1	1	31	6.1	4	..	..	1	42	8.2	6
Total,	7598	85	1.1	11	218	2.8	36	19	0.2	23	322	4.1	70

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.	%		No.	%		No.	%	
Cumbernauld,	262	19	7.2	4	2	0.7	..	10	3.8	..
Kirkintilloch,	1060	52	4.9	9	1	0.1	13	76	7.1	1
New Kilpatrick,	384	24	6.2	5	..	..	1	34	8.8	..
Old Kilpatrick,	2985	233	7.8	34	172	5.7	76	293	9.8	24
Dumbarton,	1372	212	15.3	17	72	5.2	24	184	13.4	1
Vale of Leven,	1031	84	8.1	26	113	10.8	50	199	19.2	10
Helensburgh,	504	64	12.6	3	78	15.4	16	89	17.6	37
Total,	7598	688	9.0	98	438	5.7	180	885	11.6	83

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.	%		No.	%		No.	%	
Cumbernauld,	262	3	1.1	3	6	2.2	..	7	2.6	..
Kirkintilloch,	1060	10	0.9	13	19	1.7	..	61	5.7	..
New Kilpatrick,	384	3	0.7	6	3	0.7	1	31	8.0	..
Old Kilpatrick,	2985	19	0.6	41	148	4.9	9	279	9.3	37
Dumbarton,	1372	6	0.4	15	52	3.7	..	162	11.7	..
Vale of Leven,	1031	2	0.1	27	73	7.0	4	195	18.8	9
Helensburgh,	504	..	..	10	39	7.7	..	82	16.2	40
Total,	7598	43	0.5	115	340	4.4	14	817	10.7	86

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,	262	4	1.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kirkintilloch,	1060	9	0.8	11	1	9	0.8	..	3	0.2	..
New Kilpatrick, ..	384	5	1.3	4	1	0.2	..	..	..	..	..	..	..	..	..	..	..	..	3	0.7	..	2	0.5	..
Old Kilpatrick, ..	2985	141	4.7	9	6	0.2	1	..	7	..	..	1	..	..	..	..	..	..	20	0.6	..	3	0.1	..
Dumbarton,	1372	140	10.1	12	..	..	3	3	0.2	4	..	..	1	..	..	..	..	..	3	0.2	..	..	..	..
Vale of Leven, ..	1031	75	7.2	17	2	0.1	1	2	0.1	21	..	..	..	..	..	..	..	..	19	1.7	..	4	0.3	..
Helensburgh,	504	40	7.9	6	2	0.4	..	1	0.2	5	..	..	..	..	..	..	..	..	3	0.6	..	..	..	..
Total,	7598	414	5.4	59	11	0.1	5	6	0.07	38	..	..	2	..	..	..	..	..	57	0.7	..	12	0.1	..

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.	%	
Cumbernauld,	Boys,	7	4.9	..	1	0.7	..	..	..	..	..	..	..	..	0.8	..
	Girls,	5	4.2	..	..	..	..	..	..	..	..	..	..	1	0.8	..
	Total,	12	4.5	1	1	0.4	2	..	..	1	0.4	..	1	1	0.4	..
Kirkintilloch,	Boys,	11	1.9	..	3	0.5	..	2	0.3	..	1	0.2	..	1	0.2	..
	Girls,	11	2.2	..	2	0.4	..	..	..	..	1	0.2	..	1	0.2	..
	Total,	22	2.2	1	5	0.5	11	2	0.2	15	2	0.2	3	2	0.2	7
New Kilpatrick,	Boys,	2	1.1	..	1	0.5	..	..	..	..	..	1.0	..	..	..	..
	Girls,	1	0.5	..	3	1.5	..	..	..	..	2	1.0	..	..	..	..
	Total,	3	0.8	..	4	1.0	1	..	..	..	2	0.5	1	..	..	..
Old Kilpatrick,	Boys,	39	2.7	..	15	1.0	..	5	0.3	..	4	0.3	..	3	0.2	..
	Girls,	62	4.0	..	12	0.7	..	6	0.4	..	6	0.4	..	3	0.2	..
	Total,	101	3.4	16	27	0.9	23	11	0.4	94	10	0.3	13	6	0.2	17
Dumbarton,	Boys,	31	4.2	..	13	1.8	..	3	0.4	..	1	0.1	..	4	0.5	..
	Girls,	27	4.1	..	16	2.4	..	5	0.8	..	1	0.1	..	4	0.6	..
	Total,	58	4.1	10	29	2.1	16	8	0.6	17	2	0.1	12	8	0.6	1
Vale of Leven,	Boys,	25	4.6	..	8	1.5	..	4	0.7	..	1	0.2	..	3	0.5	..
	Girls,	16	3.2	..	4	0.8	..	1	0.2	..	3	0.6	..	1	0.2	..
	Total,	41	4.1	16	12	1.2	11	5	0.5	20	4	0.4	11	4	0.4	5
Helensburgh,	Boys,	4	1.5	..	3	1.1	..	1	0.4	..	..	..	..	..	0.9	..
	Girls,	13	5.6	..	3	1.3	..	..	..	..	..	..	..	2	0.9	..
	Total,	17	3.4	8	6	1.2	5	1	0.2	7	..	..	4	2	0.4	7
Total,	Boys,	119	3.1	..	44	1.1	..	15	0.4	..	7	0.2	..	11	0.3	..
	Girls,	135	3.6	..	40	1.1	..	12	0.3	..	13	0.3	..	12	0.3	..
	Total,	254	3.3	52	84	1.1	67	27	0.3	155	20	0.3	45	23	0.3	37

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,	262	1	0.3	2	..	..	..	..	..	..	1	0.3	2
Kirkintilloch,	1060	8	0.7	13	6	0.5	5	..	..	..	14	1.2	18
New Kilpatrick,	384	3	0.7	5	..	..	3	..	..	..	3	0.7	8
Old Kilpatrick,	2085	48	1.6	42	4	0.1	16	..	..	..	52	1.7	58
Dumbarton,	1372	12	0.8	10	1	0.1	6	3	0.2	1	16	1.1	17
Vale of Leven,	1031	15	1.4	18	1	0.1	6	..	..	..	16	1.5	24
Helensburgh,	504	6	1.1	8	..	..	1	..	..	..	6	1.1	9
Total,	7598	93	1.2	98	12	0.1	37	3	0.03	1	108	1.4	136

Wax is noted only when sufficient to interfere with hearing.

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

Vision shown is "Working Vision," i.e., vision of better eye. Good Vision = 1 Fair Vision = 1/2 Bad Vision = 1/4 or worse.

22A

SCHOOL MANAGEMENT AREA.		ROUTINE CASES.																												Non-Routine.										
		AGE 8.														AGE 12.															AGE 16.									
		No. Examined.				No. Examined.				No. Examined.				No. Examined.				No. Examined.				No. Examined.				No. Examined.					No. Examined.				Total.					
		No.	%	Good.	Fair.	Bad.	Had in One Eye only.	No.	%	Good.	Fair.	Bad.	Had in One Eye only.	No.	%	Good.	Fair.	Bad.	Had in One Eye only.	No.	%	Good.	Fair.	Bad.	Had in One Eye only.	No.	%	Good.	Fair.		Bad.	Had in One Eye only.	Red One Eye only.							
Cumbria.	Boys.	66	84	81.42	3	1.56	4	0.08	1	1.52	28	23	82.13	2	7.14	2	7.14	1	3.57	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Girls.	39	39	72.22	6	16.66	3	8.24	1	2.78	32	27	84.38	1	3.13	2	6.25	2	6.25	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total.	105	123	76.84	9	10.73	7	5.82	2	1.66	60	50	83.34	3	5.00	4	6.66	3	5.00	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kirkcaldy.	Boys.	139	139	81.74	17	10.40	4	2.92	8	5.03	202	173	86.63	8	3.94	13	6.44	6	2.97	28	23	82.14				
	Girls.	148	125	84.46	12	8.11	6	4.00	5	3.38	177	156	88.14	9	5.08	8	4.52	4	2.28	19	14	87.50	1	6.25	1	6.25	..	..	..	..	..	..	..	..	..
	Total.	287	264	85.50	29	9.45	10	3.50	13	4.23	379	331	87.34	17	4.45	21	5.54	10	2.64	44	37	84.38	1	2.27	2	4.55	..	..	..	..	..	..	..	..	..
New Kilmarnock.	Boys.	75	69	92.00	3	4.30	2	4.00	39	46	92.00	2	4.35	1	2.17	1	2.17	9	8	88.89				
	Girls.	54	51	94.44	..	..	8	5.00	..	..	47	61	94.44	1	1.64	2	3.27	..	..	7	6	85.71	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total.	129	120	93.01	3	2.63	10	4.66	..	..	86	107	93.01	3	2.86	3	2.81	2	2.33	16	14	87.50	..	..	..	..	..	..	..	..	..	..	..	..	..
Old Kilmarnock.	Boys.	462	386	83.51	31	6.71	22	4.76	13	2.82	637	558	87.60	25	3.93	14	2.20	12	1.89	32	28	87.50	1	3.13	1	3.13	..	..	..	..	..	..	..	..	..
	Girls.	514	422	82.10	51	10.70	23	4.50	13	2.55	478	405	84.73	23	5.53	17	4.07	17	3.98	20	13	65.38	2	10.00	3	23.08	..	..	..	..	..	..	..	..
	Total.	976	818	85.33	82	8.21	35	4.63	26	2.67	1115	963	86.12	48	5.00	31	3.23	32	3.41	52	41	78.46	3	5.77	4	7.69	..	..	..	..	..	..	..	..
Dumfries.	Boys.	188	162	86.17	20	10.54	4	2.13	2	1.06	273	243	89.01	17	6.23	8	2.93	5	1.83	46	38	82.05	2	4.35	2	4.35	..	..	..	..	..	..	..	..	..
	Girls.	164	151	92.05	13	8.05	1	0.63	1	0.63	245	215	87.76	20	9.30	10	4.65	4	1.80	35	25	71.43	6	17.14	1	2.86	..	..	..	..	..	..	..	..
	Total.	352	313	89.22	29	6.11	5	1.42	3	0.84	518	458	88.39	37	7.14	13	2.81	9	1.74	81	63	77.78	8	9.88	3	3.70	..	..	..	..	..	..	..	..
Vale of Leven.	Boys.	187	168	89.84	19	10.16	8	4.23	2	1.07	262	232	88.55	11	4.20	7	2.67	3	1.15	33	28	84.85	1	3.03	3	9.09	..	..	..	..	..	..	..	..	..
	Girls.	172	155	90.12	17	9.88	12	6.86	1	0.58	245	215	87.76	20	9.30	10	4.65	4	1.80	35	25	71.43	6	17.14	1	2.86	..	..	..	..	..	..	..	..
	Total.	359	323	89.98	36	11.14	20	5.54	3	0.84	507	447	88.66	21	4.14	12	2.73	6	1.27	68	53	77.78	7	10.29	4	6.06	..	..	..	..	..	..	..	..
Helensburgh.	Boys.	87	77	88.51	7	8.05	3	3.45	..	..	89	73	82.02	2	2.70	3	3.37	2	2.27	14	11	78.57	1	7.14	1	7.14	..	..	..	..	..	..	..	..	..
	Girls.	92	79	85.87	10	10.87	3	3.26	..	..	86	43	89.53	5	8.93	2	2.27	1	1.19	10	9	90.00	1	10.00	..	..	..	..	..	..	..	..	..	..	..
	Total.	179	156	87.16	17	9.49	6	3.85	..	..	175	116	86.24	7	6.03	5	4.35	3	2.27	24	20	83.33	2	8.33	2	8.33	..	..	..	..	..	..	..	..	..
Total.	Boys.	1234	1056	85.65	102	8.27	20	1.62	26	2.11	1722	1509	87.63	70	4.06	31	1.79	14	0.81	116	82	70.69	5	4.32	7	5.83	..	..	..	..	..	..	..	..
	Girls.	1183	1001	84.69	117	9.89	20	1.92	23	1.94	1778	1501	84.53	81	4.56	37	2.03	22	1.23	101	79	78.22	10	9.90	9	8.91	..	..	..	..	..	..	..	..
	Total.	2417	2057	85.17	219	9.08	40	1.44	49	2.02	2499	2010	86.08	151	6.02	68	2.71	26	1.02	217	161	74.20	15	6.87	16	7.33	..	..	..	..	..	..	..	..



7.—O. Hearing.

SCHOOL MANAGEMENT AREA.	Number of Routine Cases Examined.	Slightly Deaf.			Very Deaf.			Total.		
		Routine.		Non- Routine.	Routine.		Non- Routine.	Routine.		Non- Routine.
		No.	%		No.	%		No.	%	
Cumbernauld,	262	1	0.3	..	..	..	..	1	0.3	..
Kirkintilloch,	1060	10	0.9	11	1	0.1	1	11	1.0	12
New Kilpatrick,	384	3	0.7	4	..	..	..	3	0.7	4
Old Kilpatrick,	2985	57	1.9	19	5	0.1	1	62	2.0	20
Dumbarton,	1372	48	3.4	4	3	0.2	1	51	3.6	5
Vale of Leven,	1031	22	2.1	11	..	..	1	22	2.1	12
Helensburgh,	504	6	1.2	1	2	0.3	..	8	1.5	1
Total,	7598	147	1.9	50	11	0.1	4	158	2.0	54

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.	%		No.	%		No.	%	
Cumbernauld,	262	1	0.3	..	..	..	..	1	0.3	..
Kirkintilloch,	1060	5	0.4	4	1	0.1	3	6	0.5	7
New Kilpatrick,	384	..	..	..	1	0.2	..	1	0.2	..
Old Kilpatrick,	2985	16	0.5	13	10	0.3	4	26	0.8	17
Dumbarton,	1372	5	0.3	..	4	0.3	..	9	0.6	..
Vale of Leven,	1031	7	0.6	2	9	0.8	2	16	1.4	4
Helensburgh,	504	3	0.6	1	6	1.1	..	9	1.7	1
Total,	7598	37	0.4	20	31	0.4	9	68	0.8	29

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.	%		No.	%		No.	%	
Cumbernauld,	262	1	0.3	..	..	..	..	1	0.3	..
Kirkintilloch,	1060	2	0.2	10	4	0.3	4	6	0.5	14
New Kilpatrick,	384	..	..	..	..	..	2	..	..	2
Old Kilpatrick,	2985	13	0.4	7	..	..	18	13	0.4	25
Dumbarton,	1372	8	0.5	1	..	..	1	8	0.5	2
Vale of Leven,	1031	5	0.4	..	3	0.3	..	8	0.7	..
Helenaburgh,	504	1	0.2	..	3	0.5	2	4	0.7	2
Total,	7598	30	0.3	18	10	0.1	27	40	0.5	45

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.		Non-Routine.					
		No.	%		No.	%		No.	%	No.	%	
Cumbernauld,	262	..	..	..	3	1.1	..	..	..	3	1.1	..
Kirkintilloch,	1060	..	..	..	3	0.2	2	..	..	3	0.2	2
New Kilpatrick,	384	..	..	..	1	0.2	..	1	0.2	2	0.5	..
Old Kilpatrick,	2085	6	0.2	2	22	0.7	5	7	0.2	35	1.1	7
Dumbarton,	1372	1	0.1	..	12	0.8	2	..	..	13	0.9	2
Vale of Leven,	1031	5	0.4	..	11	1.0	3	3	0.2	19	1.6	3
Helensburgh,	504	4	0.7	1	4	0.7	4	1	0.2	9	1.7	5
Total,	7598	16	0.2	3	56	0.7	16	12	0.1	84	1.0	19

7.—S. Lungs.

SCHOOL MANAGEMENT AREA.	Number of Routine Cases Examined.	Bronchial Catarrh.			Bronchitis.			Tuberculosis.			Tuberculosis Suspected.			Asthma.			Total.		
		Routine.		Non- Rou- tine.	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.	%		No.	%	
Cumbernauld,	262	2	0.7	..	1	0.3	1	..	..	..	..	..	..	..	..	..	3	1.1	1
Kirkintilloch,	1060	16	1.5	5	10	0.9	7	..	..	1	..	..	1	1	0.1	1	27	2.5	14
New Kilpatrick,	384	3	0.7	..	1	0.2	..	..	..	..	..	..	..	..	..	..	4	1.0	..
Old Kilpatrick,	2085	45	1.5	6	13	0.4	4	..	..	2	..	..	..	14	0.4	4	72	2.3	16
Dumbarton,	1372	133	9.6	28	3	0.2	11	2	0.1	2	..	..	..	3	0.2	5	141	10.1	46
Vale of Leven,	1031	22	2.1	12	..	..	4	..	..	..	..	..	1	2	0.1	4	24	2.2	21
Helensburgh,	504	7	1.3	2	..	..	2	..	..	..	..	..	..	1	0.2	1	8	1.5	5
Total, ..	7598	228	2.9	53	28	0.3	29	2	0.1	4	..	..	2	21	0.2	15	279	3.5	103

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, ..	262	..	..	..	..	..	..	..	..	1	1	0.3	..	1	0.3	1
Kirkintilloch, ..	1060	3	0.2	1	..	..	..	2	0.1	2	1	0.1	..	6	0.5	3
New Kilpatrick, ..	384	..	..	..	..	..	..	..	..	..	1	0.2	..	1	0.2	..
Old Kilpatrick, ..	2985	1	0.1	3	..	..	3	3	0.1	5	6	0.2	4	10	0.3	15
Dumbarton, ..	1372	..	..	..	2	0.1	2	1	0.1	1	1	0.1	4	4	0.3	7
Vale of Leven, ..	1031	..	..	4	..	..	10	2	0.1	2	2	0.1	1	4	0.3	17
Helensburgh, ..	504	1	0.2	1	1	0.2	4	..	..	..	2	0.3	..	4	0.7	5
Total, ..	7598	5	0.1	9	3	0.1	19	8	0.1	11	14	0.1	9	30	0.3	48

7.—U. Tuberculosis (Non-Pulmonary).

SCHOOL MANAGEMENT AREA.	Rou- tine Cases Exam- ined.	Glands.			Bones.			Joints.			Abdominal.			Others.			Total.		
		No.	Routine.	Non- Rou- tine.	No.	Routine.	Non- Rou- tine.	No.	Routine.	Non- Rou- tine.	No.	Routine.	Non- Rou- tine.	No.	Routine.	Non- Rou- tine.	No.	Routine.	Non- Rou- tine.
			%			%			%			%			%			%	
Cumbernauld,	262	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Kirkintilloch,	1060	1	0.1	5	..	..	..	..	..	..	..	..	..	1	0.1	1	2	0.2	6
New Kilpatrick,	384	..	..	..	..	..	..	..	..	..	..	..	..	1	0.2	..	1	0.2	..
Old Kilpatrick,	2985	..	..	1	..	..	..	2	0.1	..	4	0.1	2	1	0.1	2	7	0.2	5
Dumbarton,	1372	2	0.1	2	..	..	..	1	0.1	1	..	..	2	4	0.3	3	7	0.5	8
Vale of Leven,	1031	2	0.2	2	..	..	..	..	..	..	5	0.4	2	1	0.1	..	8	0.7	4
Helensburgh,	504	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, ..	7598	5	0.1	11	..	..	..	3	0.1	1	9	0.1	6	8	0.1	6	25	0.3	24

7.—V. Rickets.

SCHOOL MANAGEMENT AREA.	Number of Routine Cases Examined.	Slight.			Marked.			Total.		
		Routine.		Non- Routine.	Routine.		Non- Routine.	Routine.		Non- Routine.
		No.	%		No.	%		No.	%	
Cumbernauld,	262	..	..	..	2	0.7	..	2	0.7	..
Kirkintilloch,	1060	..	..	..	3	0.2	..	3	0.2	..
New Kilpatrick,	384	..	..	..	1	0.2	..	1	0.2	..
Old Kilpatrick,	2985	4	0.1	1	19	0.6	..	23	0.7	1
Dumbarton,	1372	3	0.2	..	8	0.5	1	11	0.7	1
Vale of Leven,	1031	3	0.3	..	2	0.2	1	5	0.5	1
Helensburgh,	504	..	..	..	..	..	..	..	..	..
Total,	7598	10	0.1	1	35	0.4	2	45	0.5	3

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.	%		No.	%		No.	%	
Cumbernauld,	262	..	..	..	3	1.1	..	3	1.1	..
Kirkintilloch,	1060	4	0.3	1	9	0.8	..	13	1.1	1
New Kilpatrick,	384	..	..	..	4	1.0	..	4	1.0	..
Old Kilpatrick,	2985	13	0.4	..	41	1.3	3	54	1.7	3
Dumbarton,	1372	2	0.1	..	21	1.5	2	23	1.6	2
Vale of Leven,	1031	..	..	2	14	1.3	7	14	1.3	9
Helensburgh,	504	1	0.2	..	3	0.6	..	4	0.8	..
Total,	7598	20	0.2	3	95	1.2	12	115	1.4	15

7.—X. Infectious or Contagious Diseases.

SCHOOL MANAGEMENT AREA.	No. of Routine Cases Examined.	Measles.			Whooping- Cough.			Chickenpox.			Mumps.			Scarlet- Fever.			Diphtheria.			Total.		
		Routine.		Non- Rou- tine.	Routine.		Non- Rou- tine.	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.	%		No.	%		No.	%	
Cumbernauld,	262	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kirkintilloch,	1060	...	...	2	...	...	...	1	0.1	6	...	...	1	...	...	2	...	...	...	1	0.1	11
New Kilpatrick,	384	...	...	...	...	...	...	...	...	...	1	0.2	...	1	0.2	...	...	...	...	2	0.5	...
Old Kilpatrick,	2985	...	...	...	...	...	2	4	0.1	7	1	0.1	9	2	0.1	...	1	0.1	...	8	0.2	18
Dumbarton, ...	1372	...	...	...	...	...	...	...	...	...	...	...	4	...	...	3	...	...	...	...	...	7
Vale of Leven,	1031	...	...	3	...	...	...	2	0.2	11	4	0.3	49	...	...	...	...	...	1	6	0.5	64
Helensburgh, ...	504	...	...	...	...	...	...	...	...	3	...	...	1	...	...	...	...	...	...	...	...	4
Total, ...	7598	...	...	5	...	...	2	7	0.1	27	6	0.1	64	3	0.1	5	1	0.1	1	17	0.2	104

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.	%		No.	%		No.	%	
Cumbernauld,	262	..	..	..	2	0.7	7	2	0.7	7
Kirkintilloch,	1060	4	0.3	..	19	1.7	75	23	2.0	75
New Kilpatrick,	384	1	0.2	1	8	2.0	7	9	2.3	8
Old Kilpatrick,	2085	23	0.7	1	68	2.2	255	91	2.9	256
Dumbarton,	1372	2	0.1	1	31	2.2	238	33	2.3	239
Vale of Leven,	1031	..	..	..	31	2.9	261	31	2.9	261
Helensburgh,	504	2	0.3	..	9	1.7	77	11	2.0	77
Total,	7598	32	0.4	3	168	2.2	920	200	2.6	923

Previous Illnesses.

SCHOOL MANAGEMENT AREA.	No. of Routine Cases Exam- ined.	Measles.		Whooping- Cough.		Chicken- pox.		Mumps.		Scarlet Fever.		Diph- theria.		Smallpox.		Rheuma- tism.		Flts.		Others.	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Cumbernauld,	262	201	76.7	141	53.8	70	26.7	67	25.6	23	8.8	6	2.3	..	..	6	2.3	..	..	53	20.2
Kirkintilloch,	1060	771	72.7	598	56.4	232	21.9	249	23.5	75	7.1	64	6.0	2	0.2	20	1.8	6	0.6	215	20.3
New Kilpatrick,	384	293	76.3	236	54.4	133	34.6	88	22.9	35	9.1	14	3.6	..	..	6	1.6	..	..	54	14.0
Old Kilpatrick,	2085	2432	81.5	1862	62.4	1033	34.6	824	27.6	302	10.1	117	3.9	4	0.1	55	1.9	21	0.7	771	25.8
Dumbarton,	1372	1229	89.6	906	66.0	462	33.7	501	36.5	140	10.2	46	3.3	1	0.1	29	2.1	5	0.4	344	25.1
Vale of Leven,	1031	905	87.8	656	63.6	412	39.9	369	35.7	99	9.6	58	5.6	1	0.1	18	1.7	2	0.2	249	24.1
Helensburgh,	504	390	77.4	341	67.6	195	38.7	178	35.3	69	13.7	12	2.3	..	..	13	2.4	..	..	115	22.8
Total,	7598	6221	81.9	4740	62.4	2537	33.4	2276	29.9	743	9.8	317	4.2	8	0.1	147	1.9	34	0.4	1801	27.7

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 No. Ex- amined.	Unvaccinated.	
		No.	Per Cent.		No.	Per Cent.		No.	Per Cent.		No.	Per Cent.		No.	Per Cent.
Cumbernauld, ..	100	52	52.0	102	53	52.0	60	22	36.6	..	..	..	262	127	48.4
Kirkintilloch, ..	330	179	54.2	307	178	58.0	379	119	31.4	44	5	11.3	1060	481	45.4
New Kilpatrick,	122	43	35.3	129	29	22.5	117	38	32.5	16	3	19.0	384	113	29.4
Old Kilpatrick,	1044	641	61.4	976	475	48.6	913	300	32.8	52	9	17.3	2985	1425	47.8
Dumbarton, ..	419	267	63.7	354	213	60.1	518	285	55.0	81	21	26.0	1372	786	57.2
Vale of Leven, ..	339	233	68.7	370	218	59.0	297	148	49.8	25	5	20.0	1031	604	58.5
Helensburgh, ..	165	73	44.2	179	67	37.4	136	41	30.1	24	..	..	504	181	35.9
Total, ..	2519	1488	59.0*	2417	1233	51.0*	2420	953	39.3*	242	43	17.8*	7598	3717	48.9*
	*Increase compared with last year = 6.4%			*Decrease compared with last year = 1.5%			*Decrease compared with last year = 1.9%			*Decrease compared with last year = 5.5%			*Decrease compared with last year = 0.7%		

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 at present no pupil from the county.

Milton Special School, which serves the Old Kilpatrick Area, has three classes for Mentally Defectives, with 47 on the roll, one class for Physically Defectives with 12 on the roll, and two classes for Deaf Mutes, with 17 on the roll, a total of 76.

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

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

SPECIAL CLASSES—(a) **FOR MENTALLY DEFECTIVE CHILDREN.**—Lairdsland School, Kirkintilloch, with 14 on the roll ; Bearsden Academy, Bearsden, with 13 on the roll ; Clyde Street School, Helensburgh, with 12 on the roll—total, 39.

(b) **FOR CONSERVATION OF VISION.**—Lairdsland School, Kirkintilloch, with 8 on the roll ; Boquhanran School, Clydebank, with 36 on the roll ; College Street School, Dumbarton, with 28 on the roll—total, 72.

The following are the totals for the County :—

Mentally Defectives,	145
Physically Defectives,	46
Deaf Mutes,	17
Conservation of Vision,	72
Total,	280

Number of Physically Defective Children in Institutions paid for by the County Council,	8
Number of Mentally Defective Children in Institutions paid for by the County Council,	—
Blind Persons in training under Blind Persons Act, 1920 (cost of training borne by the County Council and Maintenance by the Local Authority),	
(a) Glasgow Royal Blind Asylum,	7
(b) Edinburgh Royal Blind Asylum	5
Total,	20

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

	PUPILS
Special Boots,	1
Special Boots and Supports,	5
Overshoes and Splints,	3
Overshoe,	1
Splint,	1
Special Jackets,	2
Artificial Eyes,	2
Coloured Glasses,	1
Repair of Boot,	1
Repair of Jacket,	1

9.—Arrangements for Physical Education and Personal Hygiene.

A. Physical Exercises. The arrangements for these remain much the same as in former years. (See Annual Reports, 1914-15, page 72 ; 1919-20, page 41 ; 1920-21, page 38 ; and 1927-28, page 37.)

Children for whom exemption from Physical Exercises or Baths was asked were examined by the School Medical Officers and exemption granted if sufficient reason was found. In addition to these a number of children who were found by the School Medical Officers in the course of routine examinations to be suffering from such physical defect as demanded exemption from drill or baths were exempted.

The reasons for exemption were as follows :—

(a) FROM DRILL AND BATHS :—

Defective Heart,	15
Hernia,	3
Convalescing from recent abdominal operation,	6
Deformities,	2
	—
Total,	26
	==

(b) EXEMPTION FROM BATHS ONLY :—

Skin Diseases,	10
Respiratory Diseases,	10
History of Rheumatism or Chorea,	10
Running Ears,	7
Others,	5
	—
Total,	42
	==

Total exempted from Drill and/or Baths—68. For report on children treated by Medical Gymnastics, see paragraph 11.

10.—Feeding of School Children.

There were no meals supplied in any area during the past session. Four children in Old Kilpatrick Area and three in the Vale of Leven Area received a ration of milk.

Employment of Children.

Licences under the Employment of Children Act, 1903, are now issued by the School Management Committees and the numbers reported to the Education Committee during the year were as follows :—

	Granted.	Refused.	Total.
Cumbernauld, ...	...	...	...
Kirkintilloch, ...	8	2	10
New Kilpatrick, ...	23	1	24
Old Kilpatrick, ...	91	1	92
Dumbarton, ...	32	4	36
Vale of Leven, ...	14	...	14
Helensburgh, ...	2	...	2
Total, ...	170	8	178

11.—ARRANGEMENTS FOR MEDICAL TREATMENT

See Annual Reports, 1927-28, pages 38, 39 and 40, and 1928-1929, pages 46 to 54.

On May 15th Miss Jean Masterton commenced duty in charge of Orthopædic Work. The treatment of deformities by medical gymnastics requires a considerable time to show results and the six weeks she was on duty was too short a time to achieve any great improvement in the cases she dealt with.

Miss Masterton worked three half-days per week in Dumbarton and three half-days per week in Clydebank.

The cases treated were as follows :—

ORTHOPAEDIC TREATMENT.

Deformity or Disease	Clydebank Clinic.			Dumbarton Clinic.			Total.		
	Boys.	Girls.	Total.	Boys.	Girls.	Total.	Boys.	Girls.	Total.
Kyphosis and Scoliosis,	5	6	11	7	6	13	12	12	24
Knock Knees,	2	1	3	..	..	..	2	1	3
Flat Foot,	1	1	2	1	4	5	2	5	7
Infantile Paralysis, ..	..	1	1	2	..	2	2	1	3
Hemiplegia, .. ..	..	1	1	..	..	..	..	1	1
Torticollis,	1	..	1	..	..	..	1	..	1
Asthma and Bronchitis,	..	..	..	1	..	1	1	..	1
Constipation, .. ..	..	..	..	..	1	1	..	1	1
Total,	9	10	19	11	11	22	20	21	41

X-Ray Treatment of Ringworm.

Six cases of ringworm of the scalp were treated by X-Rays during the session. Two of these received only partial treatment. As all the cases were treated in the last fortnight of the session the results are not known at the time of writing.

Ultra-Violet Light Treatment.

In Old Kilpatrick Area 9 children received treatment at Blawarthill Hospital, 4 of whom were still under treatment at the end of the session. Eight of these cases were children suffering from rickets and one was suffering from strumous ophthalmia. The total number of attendances was 209.

Vale of Leven Area—Fifteen children received treatment for various conditions, debility, bronchitis, adenitis, etc. The total number of attendances was 455.

Helensburgh Area.—Four children received treatment, making 71 attendances.

Special Report regarding Result of Ear, Nose and Throat Treatment.

Towards the end of the session an enquiry was made regarding the condition of children who had been treated for some ear, nose or throat condition. The children examined had been operated on from twelve to eighteen months before, and the number examined was 138. Of these, 57 were under eight years of age, 81 were eight years or over. Of the 57 children under eight years of age, the parents of 44 reported very definite improvement, 12 reported qualified improvement, and one stated that the child was no better. Of the 81 children over eight years of age, 64 were reported to be definitely improved, 12 expressed qualified improvement, and five were said to be no better.

Of the 17 children who still showed symptoms and the 6 children said to be no better, the chief symptoms persisting was a nasal catarrh, with general susceptibility to catarrh and colds. In most of these cases there was reason to doubt whether due attention had been paid to the instructions relative to nasal hygiene given after the operation.

It is proposed to carry on the investigation during the next session, examining each week the children operated on in the corresponding week of the previous year.

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 Arns, Southern District, Condorrat)	C. Jeffrey,	1004	4774	115	367	172	5	108	653	66
New Kilpatrick Old Kilpatrick (Landward), Cumbernauld (Drumglass and Croy)	J. Scott,	874	3975	155	371	55	26	48	512	233
Old Kilpatrick, (Clydebank, Elgin Street, Our Holy Redeemer's)	S. Dougherty,	643	2711	18	398	132	54	156	252	49
Old Kilpatrick, (Radnor Park, Boquhanran, Dalmuir, St. Stephen's)	E. Lyle,	455	1175	72	337	104	2	138	129	82
Dumbarton, (Academy, Knox-land, College Street, High Street, St. Patrick's)	M. Gilmour,	417	993	23	351	26	1	59	255	76
Vale of Leven, (except Renton)	E. Yule,	469	1863	90	316	17	..	99	335	20
Dumbarton, (West Bridgend, St. Patrick's High, Clerkhill), Helensburgh, Vale of Leven, (Renton)	E. Stevenson,	484	1383	141	371	39	2	59	371	13
Total,		4346	16,874	614	2511	545	90	667	2507	539

Dental Treatment.

SCHOOL MANAGEMENT AREA.	Number of Children Treated.					Conservation Treatment.					Extractions.				
	Routine Cases.			Number of Emer- gency cases treated.	Total Number of Cases Treated.	Teeth Filled.		Teeth Conserved by other Treatment.		Total Number of Teeth Con- served.	Teeth Extracted.			Anæsthetics.	
	Number of Cases In- Spec- tated.	Number of Cases requir- ing Treat- ment.	Actual Number of Cases Treated.			Tem- porary.	Per- manent.	Tem- porary.	Per- manent.		Tem- porary.	Per- manent.	Total No. of Extrac- tions	Local.	General
Cumbernauld .. (Mr. Martin),	661	432	378	155	533	..	72	36	92	200	409	108	517	401	..
Kirkintilloch .. (Mr. Martin),	424	313	150	88	238	1	27	19	30	77	350	66	416	208	20
Kirkintilloch† .. (Mr. Wydner),	773	773	485	288	773	41	215	10	30	296	1124	394	1518	1380	16
New Kilpatrick (Mr. Martin), ..	424	289	221	342	563	8	121	64	221	414	425	167	592	433	..
Old Kilpatrick .. (Mr. Martin),	189	121	91	453	544	1	74	48	114	237	445	152	597	443	..
Old Kilpatrick .. (Miss M'Kendrick),	5486	3048	1126	883	2009	..	932	..	250	1182	6292	1655	7947	2379	711
Dumbarton .. (Miss Pugh),	1231	880	1109	977	2086	..	541	..	142	683	2166	739	2905	845	283
Vale of Leven .. (Miss Pugh),	838	593	482	1145	1627	..	351	..	212	563	1348	1104	2452	841	146
Vale of Leven .. (Mr. Martin),	153	107	54	..	54	..	15	1	6	22	92	13	105	..	..
Helensburgh (Mr. Martin), ..	210	152	317	764	1081	19	419	72	736	1246	691	391	1082	857	..
Total, ..	10,389	6708	4413	5095	9508	70	2767	250	1833	4920	13,342	4789	18,131	7854	1126

Notes: Kirkintilloch, Dumbarton, and Vale of Leven are included by the National Medical Officer, who reports children requiring treatment to Mr. Wydner, F.R.S. Mr. Wydner is a part-time dental surgeon and his practice is at Kirkintilloch and Vale of Leven.

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.	R. L.	
Defective Vision treated with Spectacles, Mix. A.	35	35	34	33	12	13	15	15	19	18	18	21	6	5	3	2	49	51	62	61	23	21	22	26
	28	32	15	17	8	7	12	13	20	24	29	23	1	2	3	4	52	50	48	47	20	22	16	16
	19	18	3	3	2	2	7	6	8	7	2	3	2	1	0	0	15	16	19	22	2	2	7	4
	10	8	6	5	4	4	2	3	3	2	3	4	0	1	2	2	19	17	19	15	4	5	7	6
	5	4	5	5	0	0	3	2	1	0	4	5	0	0	0	0	7	6	7	9	3	2	0	0
Total,	97	97	63	63	26	26	39	39	51	51	56	56	9	9	8	8	142	140	155	154	52	52	52	52
Defective Vision too slight to benefit from Spectacles, ..	14	13	7	7	4	4	10	10	8	8	14	14	1	1	2	2	21	21	36	36	11	10	12	12
Defective Vision otherwise treated,	12	13	8	8	0	0	7	7	6	6	6	6	0	0	1	1	14	16	22	23	6	4	7	7
Total Number of Children Examined,	123		78		30		56		65		76		10		11		177		213		69		71	
Re-Examinations,	163		147		38		47		74		83		8		10		240		270		88		91	

Total Number of Children Examined—979.
Total Number of Spectacles Supplied—614.

Report by School Nurses.

District.	Nurse.	Number of Children examined.	Total number of Inspections.	Number of Visits to Parents or Schools.	Vermin or Nits on head.	Vermin or Nits on body.	Vermin Suspected.	Unsatisfactory Clothing.	Unsatisfactory Footgear.	Others.
Kirkintilloch, (Cumbernauld, S. Muirhead Arms, Southern Dis- trict, Condorrat)	C. Jeffrey,	363	1430	71	175	5	167	14	..	2
New Kilpatrick, Old Kilpatrick, (Landward), Cumbernauld (Drumglass and Croy)	J. Scott,	351	1334	154	293	53	43	45	3	1
Old Kilpatrick, (Clydebank, Elgin Street, Our Holy Redeemer's)	S. Dougherty,	326	1855	51	107	8	122	24	2	76
Old Kilpatrick, (Radnor Park, Boquhanran, Dal- muir, St. Stephen's)	E. Lyle,	276	1505	64	202	20	37	10	3	55
Dumbarton, (Academy, Knox- land, College Street, High Street, St. Patrick's)	M. Gilmour,	419	1289	79	355	35	11	11	2	30
Vale of Leven, (except Renton)	E. Yule,	343	1076	44	271	90	47	12	24	..
Dumbarton, (West Bridgend, St. Patrick's High, Clerkhill), Vale of Leven, (Renton), Helensburgh,	E. Stevenson,	605	2679	277	482	17	28	125
Total,		2683	11,163	740	1885	228	455	116	34	289

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