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City of



Carlisle.

EDUCATION COMMITTEE.

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# ANNUAL REPORT

UPON THE

Work of Medical Inspection for the Year 1928

BY

JOSEPH BEARD,

F.R.C.S., Edin., M.R.C.S., Eng., L.R.C.P., Lond.,  
D.P.H. (Cantab.), F.R.S. (Edin.),  
(Of Gray's Inn, Barrister-at-Law).


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MEDICAL OFFICER OF HEALTH,  
CHIEF TUBERCULOSIS OFFICER,  
and SCHOOL MEDICAL OFFICER.

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Brown and Brown, 75 Scotch Street, Carlisle.

## STATISTICAL SUMMARY.



School Accommodation	...	...	...	...	10,296
Average No. on Rolls	...	...	...	...	8,294
Average Attendance	...	...	...	...	7,331
No. of "Routine" cases examined	...	...	...	...	2,589
No. of "Special" cases examined	...	...	...	...	868
No. of "Old" cases re-examined	...	...	...	...	1,542
Total No. of Children examined	...	...	...	...	4,999
No. of "Children" found to require treatment	...	...	...	...	1,648
No. of Parents interviewed at Medical Inspection, Routine and Special	...	...	...	...	1,540
No. of Visits to Schools by the School Medical Officers	...	...	...	...	157
No. of Visits to Schools by Nurses	...	...	...	...	538
No. of Visits to Homes by Nurses	...	...	...	...	2,895
No. of Teachers examined at the request of the Education Committee	...	...	...	...	11
No. of Cases treated at the Clinic	...	...	...	...	1,341
No. of attendances at Clinic for treatment	...	...	...	...	22,219
No. of Children examined by School Dentist	...	...	...	...	2,368
No. of Children treated by School Dentist	...	...	...	...	751
No. of Children excluded for Verminous Conditions	...	...	...	...	568



TO THE CHAIRMAN AND MEMBERS OF THE  
EDUCATION COMMITTEE.

LADIES AND GENTLEMEN,

I have the honour to present the Sixteenth Annual Report upon the work carried out in connection with the School Medical Service, which covers the year ending 31st December, 1923.

The tables, which show some modification, have been prepared as far as possible in accordance with the wishes of the Board of Education expressed in a circular issued at the end of the year.

I am, Ladies and Gentlemen,  
Your obedient Servant,

J. BEARD,  
*School Medical Officer.*

SCHOOL HYGIENE.

In addition to painting, decorating, and minor repairs in schools, the following alterations were carried out :—

*Creighton School*—The main class-room has been further subdivided by the addition of another folding screen and an alteration to the position of an existing screen, making three class-rooms in the place of two.

*Stanwix School*—The windows of five further class-rooms were enlarged in order to make provision for improved ventilation and lighting, and another objectionable gallery removed in one of the class-rooms of the same school.

*Caldewgate School*—Alterations were made to certain of the water closets.

MEDICAL INSPECTION.

The number of "Routine" cases inspected during the past year was greater by 106 than the number inspected in 1922. The increase is mainly in the "Intermediate" group, where the number was 944 as compared with 875. The remainder of the increase relates to the "Entrant" group, in which the number was 823 compared with 781. The number of parents interviewed at "Routine" examinations was 1290 as compared with 1,157, an increase of 133. Parents attended during 50 per cent. of the cases of "Routine" inspection, an increase of 3 per cent. At the examination of the 823 "Entrants," 572 parents, or 69 per cent., were present; at the examination of the 944 "Intermediates," 467, or 49 per cent., were present; whilst at the examination of the 822 "Leavers," 251, or 30 per cent., were present.



At the examination of 868 "Special" cases, 250, or 29 per cent., were present.

The number of old cases re-examined was 1,542, or 191 more than last year, while the number of "Special" cases presented for examination at the request of parents or referred by teachers and school nurses was 868, or 126 more than in 1922.

School.	Entrants.		Intermediates.		Leavers.	
	No. examined	No. of parents present	No. examined	No. of parents present	No. examined	No. of parents present
Ashley Street	53	31	89	40	77	25
Bishop Goodwin	75	50	94	64	60	32
Botcherby	4	2	12	7	13	3
Brook Street	98	73	128	78	80	25
Caldewgate	97	67	85	38	66	21
Christ Church	40	22	39	13	20	8
Creighton	...	...	...	...	87	23
Denton Holme	...	...	125	78	...	...
Fawcett	...	...	25	11	14	2
Lowther Street	74	57	38	19	28	4
Margaret Sewell	...	...	...	...	81	24
Newtown	41	28	44	24	5	...
Norman Street	60	53	2	1	...	...
Robert Ferguson	116	97	...	...	92	36
St. Bede's	26	13	40	14	29	5
St. Cuthbert's	48	23	20	8	23	5
St. John's	...	...	67	30	57	14
St. Patrick's	...	...	41	11	26	11
St. Stephen's	31	20	31	7	21	6
Stanwix	47	30	56	24	32	6
Upperby	13	6	8	...	11	1
Totals ...	823	572	944	467	822	251

#### FINDINGS OF MEDICAL INSPECTION.

Out of 2,589 children inspected in the "Routine" age groups, 888, or 34 per cent., were referred for treatment, while a further 879, or nearly 34 per cent., required to be kept under observation for conditions not serious enough to require treatment, leaving 827, or 32 per cent., who were considered to be in a satisfactory state of health.





A detailed analysis of the above figures shows that the percentage of children referred for various defects was as follows :—Dental defects, 410, or 15·8 per cent.; affections of the nose and throat, 576, or 22·3 per cent.; defective vision, 421, or 16·3 per cent.; external eye disease, 133, or 5·1 per cent.; defective hearing, 34, or 1·3 per cent.; ear disease, 116, or 4·5 per cent.; malnutrition, 314, or 12·1 per cent.; anaemia, 76, or 2·9 per cent.; skin disease, 183, or 7·0 per cent.; non-tubercular lung disease, 95, or 3·7 per cent.; tuberculosis definite and suspected, 69, or 2·7 per cent.; heart disease, 69, or 2·7 per cent.; uncleanness, 437, or 16·9 per cent.; cervical glands, 56, or 2·2 per cent.; nervous system, 5, or 0·2 per cent.; deformities, 56, or 2·2 per cent.; other defects, 88, or 3·4 per cent.

The total percentage of children referred for defects shows a decrease. The figures for external eye disease, ear disease, skin disease, deformities and heart disease, however, show a slight increase, but it is satisfactory to note that the figures for malnutrition, non-tubercular lung disease, tuberculosis definite and suspected, dental defects, affections of the nose and throat, defective vision and defective hearing show a decrease.

Regarding the "Special" cases, of the 868 children inspected 765, or 88 per cent., were found to require treatment; 83, or 10 per cent., were referred for observation; and 20, or 2 per cent., required no treatment; 919 defects were found to require treatment, of which skin diseases comprised 487, or 53·0 per cent.; external eye disease, 101, or 11·0 per cent.; defective vision, 43, or 4·7 per cent.; tuberculosis, definite and suspected, 14, or 1·5 per cent.; non-tubercular lung disease, 9, or 1·0 per cent.; heart disease, 11, or 1·2 per cent.; dental defects, 7, or 0·8 per cent.; diseases of nervous system, 1, or 0·1 per cent.; diseases of lymphatic glands, 7, or 0·8 per cent.; uncleanness, 14, or 1·5 per cent.; and other defects and diseases, 119, or 12·9 per cent.

The percentage of defects referred for treatment was greater than in 1922, whilst the percentage referred for observation was less, but the number of children in a satisfactory condition of health remained practically the same.



## UNCLEANLINESS.

The school nurses paid a total of 538 visits to schools, of which 321 were surprise visits, during which, in addition to examining for verminous conditions, they observed and referred to the School Medical Officer the conditions set forth in the following table :—

	Boys.	Girls.	Total.
Dirty Scalp, Body, and Clothing.. ..	386	266	652
Impetigo of Face and Body .. ..	48	26	74
Impetigo of Scalp .. ..	27	39	66
Ringworm .. ..	3	3	6
Blepharitis and other external Eye Diseases	35	33	68
Otorrhœa .. ..	5	8	13
Scabies .. ..	5	3	8
Septic Sores .. ..	33	8	41
Miscellaneous .. ..	26	18	44

The total number of children excluded for verminous conditions was 568, as compared with 200 in 1922, during the greater part of which there were only two school nurses instead of three. Legal proceedings were taken under the School Attendance Bye-Laws in 6 instances, and in each case a fine was imposed. In addition, the Clerk to the Education Authority sent warning letters to parents in respect of verminous children in several instances.

At the "Routine" inspection of the "Leaver" group, the percentage of children found with nits on the hair was the same as in 1922 (10·3 per cent.). Two children were found with vermin on the head, but no child was found with vermin on the body.



In the "Intermediate" group, there was again a slight increase in the number of children found with both nits and vermin on the head, viz., 12.9 and 0.5 per cent., compared with 12.1 and 0.3 per cent. respectively. In this group one child was found to have vermin on the body.

In the "Entrant" group, the percentage of children having nits and vermin on the head showed a small increase, viz., 0.4 per cent., in each instance. There were no children in this group found with vermin on the body.

At the surprise visits, there was found to be an increase in the percentage of boys and infant girls with nits on the hair, of boys and girls with vermin on the head, and of boys and girls with vermin on the body, the only figures showing a decrease being those relating to nits on the hair of senior girls.

**Table showing the number of children excluded by the Medical Officer at School and Clinic for conditions other than those associated with vermin:—**

Scabies	...	...	...	...	24
Ringworm	...	...	...	...	21
Impetigo	...	...	...	...	16
Other Skin Diseases...	...	...	...	...	12
External Eye Diseases	...	...	...	...	20
Pulmonary Tuberculosis	...	...	...	...	22
Other Forms of Tuberculosis and suspected Pulmonary Tuberculosis	...	...	...	...	29
Other Respiratory Diseases	...	...	...	...	5
Heart and Circulation	...	...	...	...	14
Infectious Diseases	...	...	...	...	9
Miscellaneous	...	...	...	...	57
					<hr/> 229

229 children were excluded, as compared with 292 in 1922; this shows a decrease of 21.6 per cent., which is chiefly in the following conditions:—Scabies, 7; other skin diseases, 18; external eye disease, 7; pulmonary tuberculosis, 23; other respiratory diseases, 7; heart and circulation, 7.

The number of school days lost on account of scabies (itch) was 401, as compared with 516 in 1922, and on account of ringworm 549, as compared with 476 in 1922.



## TUBERCULOSIS.

During the past year 23 children of school age were notified as suffering from tuberculosis, 17 by the Assistant School Medical Officers, and 6 by Medical Practitioners.

Localisation.				Males.	Females.	Total.
Lungs	...	...	...	8	9	17
Glands	...	...	...	...	1	1
Abdomen	...	...	...	...	1	1
Bones and Joints	...	...	...	1	1	2
Mediastinum	...	..	..	1	...	1
Meninges	...	...	...	...	1	1
Totals	...	...	...	10	13	23

## Notifications of Tuberculosis 1923.

Ages	Notifications on Form B.			Notifications on Form A.			Total Notifications.
	5-10	10-15	Total on Form B.	5-10	10-15	Total on Form A.	
Pulmonary—							
Males ..	4	2	6	1	1	2	8
Females ..	5	3	8	1	..	1	9
Non-pulmonary—							
Males ..	..	1	1	..	1	1	2
Females ..	2	..	2	1	1	2	4
Totals	11	6	17	3	3	6	23



The arrangements for dealing with tuberculosis in school children may be classified as follows :—(1) Examination and ascertainment of cases during "Routine" inspection at schools or special inspection at the School Clinic ; (2) notification by medical practitioners ; (3) supervision of notified cases and contacts or suspects at the Tuberculosis Dispensary ; (4) treatment at the Sanatorium, the Dispensary, the Open-air Class at Newtown School, and at home by the family doctor.

The Tuberculosis Officer, who is Assistant School Medical Officer and in charge of the Open-air Class, is in constant personal touch with children suffering or suspected to be suffering from tuberculosis, and the arrangements for dealing with this disease in so far as it affects school children are quite satisfactory. On Wednesday afternoon a clinic is devoted to children of school age or under, and a special treatment clinic is held on alternate Tuesday mornings for school children who are receiving treatment by means of Tuberculin (B.E.). Thirty-seven children received treatment by this method, and a total of 413 injections were given.

Twenty-two new cases of tuberculosis in children attended the Dispensary during the year, 16 of these being notified and 5 contacts and 1 suspect found to be suffering from tuberculosis and notified by the Tuberculosis Officer himself. Fourteen of the new cases were pulmonary, Stage I, 3 pulmonary, Stage II, and 5 non-pulmonary. Sixty-eight old notified cases also attended. A total of 464 attendances to the Dispensary was made by these cases.

In addition to the above, 72 children, contacts or suspects, were under supervision at the Dispensary, and 162 children of school age have thus been examined and kept under observation, with a total of 802 attendances. At the commencement of the year 4 children were receiving treatment in Blencathra Sanatorium, and during the year 5 were admitted and 6 discharged, leaving 3 still having treatment on 31st December, 1923. The number of days spent in the Sanatorium by these children was 1,593, the average duration of residence being 265·5 days. The condition of the 6 children on discharge was as follows :—Much improved, 2 ; improved, 3 ; unchanged, 1.

In another part of the report will be found particulars relating to the treatment of children who were kept under observation at the Delicate Class.



## INFECTIOUS DISEASES.

Ninety-four children were absent from school on account of Scarlet Fever, and 48 on account of Diphtheria, a slight increase in the case of Scarlet Fever and a decrease in the case of Diphtheria compared with 1922, when 65 and 57 were absent respectively. With regard to Chickenpox and Whooping Cough, the intimations received from teachers and others showed a slight increase on the 1922 figures, being 88 and 121, as compared with 86 and 76 respectively. Intimations concerning Mumps were 16, as compared with 37 in 1922, and as regards Measles, the figures showed a considerable increase, being 959 and 11 respectively.

## FOLLOWING UP.

The following up of children suffering from defects needing treatment was, as in the past, carried out by the school nurses in accordance with the policy of the Board of Education, the number of visits made to the homes being 2,885, compared with 1,701 in 1922.

## MEDICAL TREATMENT.

### MINOR AILMENTS.

The number of children treated at the School Clinic for minor ailments was 1,329, compared with 985 in 1922, the total number of attendances made by the children being 22,219, the average daily attendance being 82, and the maximum attendance on any one morning being 149. See tables on page 28.

### X-RAY TREATMENT OF RINGWORM.

The number of school children with Ringworm of the scalp continues to be relatively small. During the year, 25 cases were treated by means of X-rays, 14 of which were boys and 11 girls. These made a total of 29 attendances. Thirty-nine separate exposures were made, and in all 25 cases a cure was effected. One boy and 2 girls suffering from Alopecia were also given X-ray treatment; 18 attendances for this purpose were made, and 34 separate exposures took place. Two of the cases were entirely cured; the other was much improved and the treatment still being continued at the end of the year.



## TONSILS AND ADENOIDS.

The number of cases where local treatment only was necessary was 344. Treatment was provided at the School Clinic in 38 instances, the remaining 306 cases being treated at home.

One hundred and two children were operated upon either at the Cumberland Infirmary or elsewhere for the removal of the tonsils and adenoids.

## VISION.

One session per week, held at the School Clinic, was devoted to the further examination of cases of defective vision by means of retinoscopy tests, for which Dr. Semple continues to be responsible, and part of one morning session weekly is devoted to the review of those children for whom glasses have been prescribed in order to ascertain that the spectacles are satisfactory.

The eyesight of 206 children was thus attended to, viz., 92 boys and 114 girls, and the following conditions were observed :—

Defect.	Boys.	Girls.	Tl.
Hypermetropia (Long sight) ...	19	19	38
Hypermetropic Astigmatism ...	27	32	59
Compound Hypermetropic Astigmatism	25	28	53
Myopia (Short sight) ...	10	7	17
Myopic Astigmatism... ..	3	3	6
Compound Myopic Astigmatism	1	7	8
Mixed Astigmatism ... ..	3	10	13
No Refractive Error... ..	4	8	12
	92	114	206
Squint was present in 33 cases	14	19	33

Spectacles were prescribed in 176 instances, viz., 79 boys and 97 girls, showing that 85 per cent. of the children had defects remediable by wearing corrective glasses. In 166 instances the prescription was handed to the parent, and in the remaining 10 instances an order was transmitted by the School Medical Officer's Department, together with the prescription, to the optician to provide the spectacles at the expense of the Education Committee, the parent in the latter cases being unable to pay.



## DENTAL INSPECTION AND TREATMENT.

Commenting upon this work the School Dentist, Mr. W. Taylor, L.D.S., says that having regard to the amount of work done and the condition of the teeth examined as shown in the accompanying tables, he regards the year's work as very satisfactory. Owing to the striking similarity of the figures as compared with those of the previous two years, he finds it very difficult to make any fresh comments.

The general impression he has received is that on the whole the condition of the children's teeth is good, and this is specially noticeable among those children who have been submitted from time to time for examination and treatment. He finds that the conservative work done in previous years has been of a lasting and satisfactory character, and this, as one would expect, is particularly noticeable among those children who, having been treated in the 6—7 year old group, have followed it up regularly by additional treatment as and when required, and as a contrast to the condition of teeth in the early years of school dentistry, he now seldom finds a really septic mouth.

This result so far as concerns the re-examination groups he regards as good testimony to the value of the previous work, and with regard to the children examined for the first time as an indication of the educational value of School Dentistry.

The figures which he notes particularly in supporting this are :—Table A., Children for whom no treatment was required, 47·2 per cent., as against 43·7 per cent. in the previous year ; Table A., Summary, Number of sound permanent teeth, 87·1 per cent., as against 85·2 per cent. in 1922 ; Table B., Children for whom no treatment was required, 31·1 per cent. ; Table B., Summary, Number of sound permanent teeth, 91·5 per cent., the latter group of figures being practically the same as for the preceding year.

Mr. Taylor points out, however, that these figures would be higher if the percentage of refusals was lower, yet he considers the results, even in the existing conditions, as very good.

In conclusion, he regards conservative work upon the temporary teeth in existing circumstances as almost impracticable ; to be useful this can only be attended to in the earliest school ages and before the conditions usually found, for which conservative treatment is of little value, have made their appearance.



**Table showing number of Children examined at Routine Inspection, with administrative details.**

A.		Boys.		Girls.		Total.	
No. examined	...	359	...	342	...	701	...
No treatment required	...	180	50.1	151	44.2	331	47.2
Refused treatment	...	104	29.0	116	33.9	220	31.4
Accepted treatment	...	75	20.9	75	21.9	150	21.4

Summary of the condition of teeth of children enumerated in Table A.

		Boys.		Girls.		Total.	
Temporary Teeth	Total examined	6037	...	5404	...	11441	...
	Sound	3072	50.9	2669	49.4	5741	50.2
	Savable	1927	31.9	1743	32.2	3670	32.1
	Unsavable	1038	17.2	992	18.4	2030	17.7
Permanent Teeth	Total examined	1843	...	2140	...	3983	...
	Sound	1617	87.7	1855	86.7	3472	87.1
	Savable	205	11.1	258	12.0	463	11.7
	Unsavable	21	1.2	27	1.3	48	1.2

**Table showing number of Children re-examined at Routine Inspection, with administrative details.**

B.		Boys.		Girls.		Total.	
No. examined	...	776	...	781	...	1557	...
No treatment required	...	257	33.1	226	28.9	483	31.1
Refused treatment	...	292	37.6	291	37.3	583	37.4
Accepted treatment	...	227	29.3	264	33.8	491	31.5



Summary of the condition of teeth of children enumerated in Table B.

		Boys		Girls.		Total.	
Temporary Teeth	Total examined	4602	...	3767	...	8369	...
	Sound ...	1944	42.2	1625	43.1	3569	42.7
	Savable ...	1470	32.0	1117	29.7	2587	30.9
	Unsavable ...	1188	25.8	1025	27.2	2213	26.4
Permanent Teeth	Total examined	12460	...	13923	...	26383	...
	Sound ...	11424	91.7	12708	91.3	24132	91.5
	Savable ..	761	6.1	909	6.5	1670	6.3
	Unsavable ..	275	2.2	306	2.2	581	2.2

**Summary of treatment of Dental Defects of Routine, Re-examination, and Special Cases.**

	Boys		Girls		Total.		
	Routine	Special	Routine	Special	Routine	Special	All cases
No. received treatment ...	302	57	339	43	641	110	751
Temporary teeth extracted	762	118	730	64	1492	182	1674
Permanent teeth extracted	125	40	153	29	278	69	374
Local Anaesthetics ...	87	25	86	29	173	54	227
General Anaesthetics ...	119	23	125	11	244	34	278
Fillings ...	379	6	508	8	887	14	901
Other Operations :—							
Permanent Teeth ...	13	1	14	1	27	2	29
Temporary Teeth ...	13	...	14	...	27	...	27

**CRIPPLING DEFECTS AND ORTHOPÆDICS.**

Forty-nine children, of whom 46 are in attendance at school, are recorded as suffering from crippling defects due to tuberculosis, infantile paralysis, rickets, or trauma (injury). The Authority has no scheme in operation for the special education of these children.

**PROVISION OF MEALS FOR SCHOOL CHILDREN.**

No arrangement has been made under the Provision of Meals Acts, 1906-1914.



## SCHOOL BATHS.

All senior scholars attend the Corporation Baths, and are instructed in swimming, each school having a special hour each week.

## OPEN-AIR EDUCATION.

## NEWTOWN DELICATE CLASS.

Forty-six children were in attendance at the beginning of the year. Twenty-four children, including 1 who had been withdrawn in order to receive sanatorium treatment, were admitted, making a total of 70 children dealt with, the average daily number on the register being 54. Nineteen children were discharged, as follows :—7 attained leaving age, 4 returned to the ordinary school, 3 were found to be unsuitable cases, 2 left the City, 2 were sent to the Sanatorium and 1 was admitted into the Cumberland Infirmary. The condition of the children leaving was as follows :—much improved 8, improved 5, unchanged 6.

Dr. Semple visited the class on 35 occasions, making 340 examinations of the children. Thirty-seven children received special treatment by means of Tuberculin B.E., making 413 attendances at the Tuberculosis Dispensary.

The total attendance made by the children was 3641 school weeks, the average attendance being 52 school weeks, and the maximum and minimum length of attendance 132 weeks and 1 week respectively. The total gain in weight made by the children was 646 lbs., equivalent to an average gain of 9.2 lbs. per child, or  $\frac{1}{8}$  lb. per week per child.

**Attendances at the Delicate Class, 1923.**

Quarter.	Number of times open	Total Attendances.	Average number on roll.	Average Attendance.	Percentage Attendance.
First ...	113	4986	53	44	84
Second ...	110	5078	56	46	83
Third ...	68	2972	54	44	80
Fourth ...	116	5036	55	43	79
Year ...	407	18072	54	44	82



A Statement of Income and expenditure in connection with the class is shown below. In this connection, however, the cost of the food supplied was approximately £5 below that of the preceding year, though the number of children in the class was greater. The amount contributed by parents in the aggregate was also greater by approximately £20, although the amount per child was less. The maximum contribution remained at 2/6 per week, but in only 17 instances were the parents able to pay this ; in 8 instances the sum paid was 2/-, in 7 instances 1/6, in 7 instances 1/-, and the remaining 15 were excused payment on account of poor financial circumstances.

The class was open on 204 days, the average attendance being 44, equal to a total of 8976 days. On this basis it is found that the total average cost per child per day was  $7\frac{7}{10}$  pence, the parents' contributions being equal to  $3\frac{2}{5}$  pence.

EXPENDITURE.				INCOME.			
	£	s.	d.		£	s.	d.
Milk .. .. .	23	3	4	Parents' Contributions..	126	4	5
Bread, Fruit, and Vegetables .. .. .	11	19	7				
Groceries .. .. .	53	18	7				
Meat and Fish .. .. .	16	5	5				
	<hr/>				<hr/>		
Cost of Food .. .. .	105	6	1				
Balance carried down .. .. .	20	17	6				
	<hr/>				<hr/>		
	126	4	5		126	4	5
	<hr/>				<hr/>		
Breakages and Renewals .. .. .	0	16	5	Balance brought down..	20	17	6
Cooking .. .. .	52	18	0	Amount received from			
Gas .. .. .	37	9	11	Elementary Education			
Drugs, Malt, Oil, &c. .. .. .	25	14	5	Rate .. .. .	164	1	3
Tram Fares .. .. .	68	0	0				
	<hr/>				<hr/>		
	£184	18	9		£184	18	9
	<hr/>				<hr/>		

The average cost per child per day for the various items was as follows :—Food  $2\frac{4}{5}$  pence, Drugs  $0\frac{7}{10}$  pence, Tram Fares  $1\frac{4}{5}$  pence, Cooking, etc.,  $2\frac{2}{5}$  pence.



## CO-OPERATION OF PARENTS.

The parents of all children to be examined receive an invitation to be present at the "Routine" Inspection, but it is in connection with the inspection of the "Entrant" group that parents exhibit most interest. At this examination in 69 per cent. of the cases a parent was present; at the inspection of "Intermediates" 49 per cent. and at the inspection of "Leavers" 30 per cent. were present.

The attention given to notices advising that treatment for defects of teeth, tonsils, adenoids, vision, etc., is needed is, however, still far from satisfactory.

## CO-OPERATION OF TEACHERS.

### MEDICAL INSPECTION.

Head Teachers have been responsible for recording certain initial information in connection with the Medical Inspection Card, and have been responsible for the Medical Register which is kept at the schools. They also send out the invitations to parents to be present at the inspection, and arrange for the room for inspection and the presentation of the children at appropriate intervals. As circumstances permit, the Head Teacher also attends and confers with the Medical Officer regarding special cases.

### FOLLOWING UP.

Teachers are supplied with full information regarding defects found at the Medical Inspection, and they do much valuable service in impressing upon the parents the need for securing treatment.

### MEDICAL TREATMENT.

An attempt is made to save school time by giving each child who attends the School Clinic a card, on which is noted the time he leaves school and the time he leaves the Clinic. Teachers pick out children in whom they suspect physical defects, and are able to send them to the School Clinic for diagnosis and, if necessary, for treatment.

## CO-OPERATION OF SCHOOL ATTENDANCE OFFICERS.

The School Attendance Officers discover and refer to the School Clinic children who are absent from school on account of illness, and who are not receiving medical attention. They also have considerable influence with parents in obtaining the treatment recommended for their children.



## CO-OPERATION OF VOLUNTARY BODIES.

I desire to advert to the activities of the Voluntary Agencies in the City. The Carlisle Council of Social Service sent 45 delicate children to Silloth Convalescent Institution, of whom the majority stayed for one month, and the remainder for periods of two or three weeks, and 15 other children were sent into the country for several weeks, returning considerably improved.

Outfits of clothing were supplied by the Council to two children who were going to the Blencathra Sanatorium ; in 20 instances clogs, boots and articles or clothing were supplied, and in 36 cases of sickness extra nourishment grants were given.

Special Homes were found for three children.

The following list gives the particulars of cases in which valuable help was given by the local officer of the NATIONAL SOCIETY FOR THE PREVENTION OF CRUELTY TO CHILDREN :—

Cases recorded on the books of the Society	...	9
Homes visited	... ..	9
Subsequent visits	... ..	75
Cases improved	... ..	9

One boy was removed to Fusehill House and dealt with by the Guardians.

## BLIND, DEAF, DEFECTIVE, AND EPILEPTIC CHILDREN.

The arrangements with regard to the ascertainment and supervision of Blind, Deaf, Defective and Epileptic Children were the same as outlined in previous reports, and at present there are 2 boys and 2 girls attending certified schools for the Blind, and 4 boys and 3 girls attending certified schools for the Deaf and Dumb. The Authority has no instance of a child attending a certified school for Epileptics.

The Authority has no provision in the nature of a special school for Dull and Backward or Feeble-minded Children.



## SECONDARY SCHOOLS.

The total number of children inspected at the two Secondary Schools was 191, viz., 108 at the Girls' High School and 83 at the Grammar School, the details regarding which will be seen in the accompanying table, the specified age groups being under 9 years, 9 years, 12 years, 15 years, and those leaving at over 15 years.

Age	under 9	9	10 & 11	12	13 & 14	15	Over 15	Total
High School ...	12	19	10	37	6	24	...	108
Grammar School ...	1	8	5	21	16	29	3	83
Totals ...	13	27	15	58	22	53	3	191

At the Girls' High School, 26 children, or 24 per cent. of those examined, were referred for treatment, 41, or 38 per cent., were referred for observation, and 41, or 38 per cent., appeared to be perfectly healthy. Those requiring dental treatment numbered 15, or 14 per cent., as compared with 22 per cent. in 1922 and 38 per cent. in 1921. Two children were referred for treatment on account of tonsils and adenoids, 8 in respect of defective vision, 1 by reason of nasal obstruction and 1 for suspected tuberculosis of the lung.

At the Grammar School, 32 boys, or 38·5 per cent. of those examined were referred for treatment, 32, or 38·5 per cent., were referred for observation, and 19, or 23 per cent., appeared to be perfectly healthy. 22, or 27 per cent., required dental treatment, 2 required treatment for defective vision, 3 for tonsils and adenoids, 1 for heart disease, 8 for anæmia, 3 for suspected tuberculosis of lung, 1 for a skin disease and 6 for ear disease.

## EMPLOYMENT OF CHILDREN AND YOUNG PERSONS.

Thirty-three children were referred to the Assistant School Medical Officer responsible for this work for certificates under the Bye-Laws made in respect of the Employment of Children and Street Trading, and a certificate was granted in the case of 32 children. In the remaining instance the certificate was not granted as the child was found to be under twelve years of age.



## DEATHS OCCURRING IN SCHOOL CHILDREN.

Diphtheria	...	...	...	...	6
Heart Disease	...	...	...	...	4
Accidents	...	...	...	...	3
Broncho Pneumonia	...	...	...	...	2
Tuberculous Meningitis	...	...	...	...	2
Acute Miliary Tuberculosis	...	...	...	...	1
Tuberculous Peritonitis	...	...	...	...	1
Acute Appendicitis	...	...	...	...	1
Nephritis	...	...	...	...	1
Toxæmia	...	...	...	...	1
Rickets ...	...	...	...	...	1
					—
					23
					—

## EXAMINATION OF TEACHERS.

Eleven candidates for appointments as teachers, &c., were examined, the results, which were reported to the Education Committee, being as follows :—

	No. Ex- amined.	Number in which No Defect was ob- served	Recommended subject to obtaining treatment for :—	
			Defec- tive Teeth.	Defec- tive Vision
Pupil Teachers .. ...	4	1	2	1
Bursars ... ..	3	2	1	...
Student Teachers ...	4	1	2	1
Totals ... ..	11	4	5	2



**Table showing Verminous Conditions of the Head and Body (including Clothing), found at "Routine" inspections, 1914-1923.**

## ENTRANTS.

Year.	No. of Scholars Examined.	No. found with Nits in the Head.		No. found with Verminous (lice) Heads.		No. found with Verminous (lice) Bodies, including Clothing.	
		No.	Per cent.	No.	Per cent.	No.	Per cent.
1914	1054	91	8.6	30	2.8	16	1.5
1915	986	41	4.2	31	3.2	13	1.3
1916	611	35	5.7	22	3.6	10	1.6
1917	967	60	6.2	17	1.8	1	0.1
1918	1023	57	5.6	17	1.7	3	0.3
1919	1079	113	10.5	27	2.5	...	...
1920	929	107	11.5	28	3.0	1	0.1
1921	909	69	7.6	7	0.8	1	0.1
1922	781	86	11.0	...	...	2	0.3
1923	823	94	11.4	3	0.4	...	...

## INTERMEDIATES.

1915	830	83	10.0	54	6.5	15	1.8
1917	1131	94	8.3	44	3.9	8	0.7
1918	882	70	7.9	28	3.2	...	...
1919	898	152	16.9	41	4.6	1	0.1
1920	980	140	14.3	29	3.0	1	0.1
1921	959	112	11.7	26	2.7	...	...
1922	875	106	12.1	3	0.3	...	...
1923	944	122	12.9	5	0.5	1	0.1

## LEAVERS.

1914	1597	157	9.8	31	1.9	38	2.4
1915	859	78	9.1	22	2.6	7	0.8
1916	933	66	7.0	16	1.7	8	0.8
1917	973	66	6.8	23	2.4	10	1.0
1918	880	62	7.0	14	1.6	3	0.3
1919	837	68	8.1	18	2.2	4	0.5
1920	850	102	12.0	14	1.6	2	0.2
1921	881	100	11.4	14	1.6	2	0.2
1922	827	85	10.3	...	...	...	...
1923	822	85	10.3	2	0.2	...	...



**Table showing Verminous Conditions of the Head and  
Body found at the Surprise Visits.**

**Boys.**

	Numbers Examined.	Nits on Hair.		Vermin on Head.		Vermin on Body.	
		No.	Per cent.	No.	Per cent.	No.	Per cent.
First Surprise Visit—							
Ashley Street ...	336	34	9.3	5	1.4	1	0.3
Bishop Goodwin ...	288	14	4.9	2	0.7	...	...
Botcherby ...	38	...	...	...	...	1	2.6
Brook Street ...	344	16	4.7	...	...	...	...
Caldewgate ...	332	40	12.0	6	1.8	4	1.2
Christ Church ...	54	9	16.7	...	...	...	...
Creighton ...	242	5	2.1	...	...	...	...
Denton Holme ...	161	20	12.4	2	1.2	...	...
Fawcett ...	75	6	8.0	2	2.7	...	...
Lowther Street ...	182	22	12.1	1	0.5	...	...
Newtown ...	63	2	3.2	2	3.2	...	...
Norman Street ...	58	2	3.4	1	1.7	...	...
Robert Ferguson ...	271	12	4.4	1	0.4	...	...
St. Bede's ...	133	7	5.3	1	0.8	...	...
St. Cuthbert's ...	30	3	10.0	...	...	...	...
St. John's ...	282	16	5.7	...	...	1	0.4
St. Patrick's ...	198	27	13.6	2	0.1	...	...
St. Stephen's ...	112	8	7.1	1	0.9	...	...
Stanwix ...	156	9	5.8	2	1.3	...	...
Upperby ...	48	5	10.4	...	...	...	...
Totals ...	3433	257	7.5	28	0.8	7	0.2
Second Surprise Visit—							
Ashley Street ...	372	39	10.5	11	3.0	...	...
Bishop Goodwin ...	344	30	8.7	7	2.0	...	...
Botcherby ...	36	...	...	...	...	...	...
Brook Street ...	356	30	8.4	7	2.0	...	...
Caldewgate ...	336	79	23.5	22	6.5	5	1.5
Christ Church ...	55	4	7.3	1	1.8	...	...
Creighton ...	175	5	2.9	...	...	...	...
Denton Holme ...	154	14	9.1	2	1.3	...	...
Fawcett ...	62	11	17.7	1	1.6	...	...
Lowther Street ...	210	32	15.2	6	2.9	...	...
Newtown ...	113	11	9.7	3	2.7	...	...
Norman Street ...	98	2	2.0	2	2.0	...	...
Robert Ferguson ...	270	22	8.1	3	1.1	...	...
St. Bede's ...	105	27	25.7	10	9.5	3	2.9
St. Cuthbert's ...	43	11	25.6	1	2.3	...	...
St. John's ...	297	33	11.1	2	0.7	...	...
St. Patrick's ...	188	43	22.9	5	2.7	1	0.5
St. Stephen's ...	136	19	14.0	5	3.7	...	...
Stanwix ...	200	11	5.5	5	2.5	...	...
Upperby ...	6	...	...	...	...	...	...
Totals ...	3556	423	11.9	93	2.6	9	0.3



Table showing Verminous Conditions of the Head and  
Body found at the Surprise Visits.

## Girls.

	Numbers Examined.	Nits on Hair.		Vermin on Head.		Vermin on Body.	
		No.	Per cent.	No.	Per cent.	No.	Per cent.
First Surprise Visit—							
Ashley Street ...	331	140	42.3	15	4.5	...	...
Bishop Goodwin ...	325	75	23.1	2	0.6	...	...
Botcherby ...	32	14	43.8	...	...	...	...
Brook Street ...	393	85	21.6	7	1.8	1	0.3
Caldewgate ...	299	112	37.5	7	2.3	2	0.7
Christ Church ...	211	97	46.0	13	6.2	...	...
Denton Holme ...	159	31	19.5	2	1.3	...	...
Fawcett ...	53	19	35.8	3	5.7	...	...
Lowther Street ...	200	103	51.5	5	2.5	1	0.5
Margaret Sewell ...	205	28	13.7	3	1.5	...	...
Newtown ...	68	20	29.4	2	2.9	...	...
Norman Street ...	53	7	13.2	...	...	...	...
Robert Ferguson ...	280	100	35.7	6	2.1	...	...
St. Bede's ...	125	69	55.2	9	7.2	5	4.0
St. Cuthbert's ...	181	78	43.1	8	4.4	5	2.8
St. John's ...	76	29	38.2	6	7.9	3	3.9
St. Stephen's ...	107	58	54.2	5	4.7	...	...
Stanwix ...	125	34	27.2	5	4.0	...	...
Upperby ...	77	26	33.8	1	1.3	...	...
Totals ...	3300	1125	34.1	99	3.0	17	0.5
Second Surprise Visit—							
Ashley Street ...	360	129	35.8	19	5.3	...	...
Bishop Goodwin ...	355	89	25.1	7	2.0	...	...
Botcherby ...	34	9	26.5	2	5.9	...	...
Brook Street ...	398	102	25.6	6	1.5	...	...
Caldewgate ...	311	126	40.5	24	7.7	1	0.3
Christ Church ...	219	105	47.9	17	7.8	...	...
Denton Holme ...	141	35	24.8	4	2.8	...	...
Fawcett ...	54	22	40.7	1	1.9	...	...
Lowther Street ...	184	87	47.3	8	4.3	...	...
Margaret Sewell ...	266	54	20.3	1	0.4	...	...
Newtown ...	110	32	29.1	8	7.3	1	0.9
Norman Street ...	81	19	23.5	1	1.2	...	...
Robert Ferguson ...	313	98	31.3	12	3.8	...	...
St. Bede's ...	163	78	47.9	15	9.2	...	...
St. Cuthbert's ...	221	84	38.0	20	9.0	2	0.9
St. John's ...	82	37	45.1	2	2.4	...	...
St. Stephen's ...	123	65	52.8	8	6.5	2	1.6
Stanwix ...	174	44	25.3	8	4.6	...	...
Upperby ...	23	10	43.5	1	4.3	...	...
Totals ...	3612	1225	33.9	164	4.5	6	0.2



**Summary of Children excluded for Verminous Conditions  
from one to three or more occasions during 1923.**

School Department.	Vermin on Head.			Vermin on Body or Clothing.			TOTAL
	Once.	Twice.	Three times or more.	Once.	Twice.	Three times or more.	
Ashley Street Infants ...	17	1	1	1	1	...	21
"    Boys ...	14	...	2	1	...	...	17
"    Girls ...	22	8	3	...	...	...	33
Bishop Goodwin Infants ...	3	...	1	...	...	...	4
"    Boys ...	7	1	1	...	...	...	9
"    Girls ...	6	4	1	...	...	...	11
Botcherby ...	3	...	...	...	...	...	3
Brook Street Infants ...	9	3	...	...	...	...	12
"    Boys ...	3	...	...	...	...	...	3
"    Girls ...	16	1	1	...	...	1	19
Caldewgate Infants ...	15	8	1	2	...	1	27
"    Boys ...	17	4	4	4	1	1	31
"    Girls ...	33	7	3	1	1	...	45
Christ Church Infants ...	6	4	2	...	1	...	13
"    Girls ...	12	5	4	2	...	...	23
Creighton ...	...	...	...	...	...	...	...
Denton Holme ...	6	4	2	...	...	...	12
Fawcett ...	12	1	1	...	...	...	14
Lowther Street Infants ...	20	5	...	1	...	...	26
"    Mixed ...	12	1	...	...	...	...	13
Margaret Sewell ...	6	1	...	...	...	...	7
Newtown ...	14	3	1	...	1	...	19
Norman Street ...	4	1	...	...	...	...	5
Robert Ferguson Infants ...	13	...	...	...	...	...	13
"    Mixed ...	9	2	3	...	...	...	14
Stanwix Infants ...	4	4	...	...	...	...	8
"    Mixed ...	14	3	2	...	...	...	19
St. Bede's Infants ...	6	2	...	...	...	...	8
"    Mixed ...	29	3	1	7	...	...	40
St. Cuthbert's Infants ...	6	1	1	...	...	...	8
"    Girls ...	16	5	4	4	1	1	31
St. John's Boys ...	5	...	...	1	...	...	6
"    Girls ...	7	...	3	...	...	...	10
St. Patrick's ...	9	...	...	3	...	...	12
St. Stephen's Infants ...	8	1	...	...	...	...	10
"    Mixed ...	13	2	1	...	...	2	18
Upperby ...	3	...	1	...	...	...	4
Totals ...	399	85	45	27	6	6	568



### Summary of the condition of Children with regard to Verminous Conditions.

Department.	No. examined.	Nits on hair.		Vermin on head.		Vermin on body.	
		No.	Per cent.	No.	Per cent.	No.	Per cent.
Boys—							
Infants ...	1850	215	11.6	41	2.2	2	0.1
Senior ...	5139	465	9.0	80	1.6	14	0.3
Girls—							
Infants ...	1912	653	34.2	84	4.4	4	0.2
Senior ...	5000	1697	33.9	179	3.6	19	0.4
Totals	13901	3030	21.8	384	2.8	39	0.3

### Re-examination of Verminous Children.

	Number examined	Improved	Unchanged	Worse
Nits on Hair ...	2696	1436	764	496
Vermin on Head ...	364	274	87	3
Vermin on Body ...	26	19	7	...
Dirty Scalp, Body, and Clothing ...	466	378	79	9

### Summary of Result of Surprise Visits, 1920-1923.

Department.	Percentage of Children with Nits on Hair.				Percentage of Children with Vermin on Head.				Percentage of Children with Vermin on Body.			
	1920	1921	1922	1923	1920	1921	1922	1923	1920	1921	1922	1923
Boys—												
Infants ...	7.1	6.3	8.7	11.6	2.6	1.5	1.1	2.2	...	0.2	...	0.1
Seniors ...	4.3	5.9	7.0	9.0	1.8	1.0	0.5	1.6	0.5	0.3	0.3	0.3
Girls—												
Infants ...	32.8	29.0	31.4	34.2	7.2	3.0	1.4	4.4	...	0.2	0.1	0.2
Seniors ...	36.1	35.6	34.0	33.9	6.0	3.5	1.7	3.6	0.2	0.2	0.2	0.4
	20.1	19.7	20.2	21.8	4.2	2.2	1.1	2.8	0.2	0.2	0.2	0.3



**Table showing the incidence of notifiable infectious diseases for the year 1923 in Scholars attending the Schools within the City.**

School.	Scarlet Fever	Diphtheria
Ashley Street... ..	4	4
Bishop Goodwin ... ..	12	8
Botcherby ... ..	1	1
Brook Street ... ..	17	8
Caldewgate ... ..	18	1
Christ Church... ..	7	1
Creighton ... ..	2	1
Denton Holme ... ..	...	1
Fawcett ... ..	...	...
Lowther Street ... ..	1	3
Margaret Sewell ... ..	1	...
Newtown ... ..	...	...
Norman Street ... ..	9	1
Robert Ferguson ... ..	3	15
St. Bede's ... ..	2	1
St. Cuthbert's ... ..	5	2
St. John's ... ..	4	1
St. Patrick's ... ..	4	...
St. Stephen's ... ..	...	1
Stanwix ... ..	...	...
Upperby ... ..	3	...
Private Schools ... ..	1	...
Totals ... ..	94	49



NOTIFICATIONS OF CERTAIN INFECTIOUS DISEASES  
BY ATTENDANCE OFFICERS AND HEAD TEACHERS.

Table showing summary of these diseases arranged for Districts  
and Schools.

	Name of School (All Departments)	Average Attend- ance.	School Accom- modation	Measles	Chicken -pox.	Whoop- ing Cough.	Mumps.	Totals.
<i>Western District.</i>	Ashley Street	738	1161	60	17	26	1	104
	St. Bede's	282	311	30	2	15	2	49
	Caldewgate	665	887	88	14	14	2	118
	Denton Holme	343	652	21	...	2	1	24
	Rbt. Ferguson	556	720	125	17	14	6	162
	Newtown	173	400	53	5	7	...	65
	Creighton	235	242	2	...	...	...	2
	Totals	2992	4373	379	55	78	12	524
<i>Northern District.</i>	Fawcett	136	408	2	...	...	...	2
	St. Stephen's	268	300	47	7	...	...	54
	Christ Church	320	381	48	...	...	1	49
	St. Cuthbert's	259	372	31	2	2	...	35
	St. Patrick's	190	272	5	..	1	...	6
	Lowther St.	397	524	71	5	12	3	91
	Margt. Sewell	228	190	...	...	...	...	...
	Stanwix	330	517	64	1	15	...	80
	Totals	2128	2964	268	15	30	4	317
<i>Southern District.</i>	Botcherby	81	198	...	...	4	...	4
	Norman Street	181	400	102	8	1	...	111
	Brook Street	801	1132	124	3	1	...	128
	St. John's	378	604	7	...	...	...	7
	Bp. Goodwin	659	955	75	7	7	...	89
	Upperby	111	300	4	...	...	...	4
	Totals	2211	3589	312	18	13	...	343
	Grand Totals	7331	10926	959	88	121	16	1184



### Attendances at Treatment Clinic.

Month.	No. of days Clinic open.	Total Attendance.	Average daily Attendance.	Maximum daily Attendance.
January ...	25	1766	71	113
February ...	24	2249	94	135
March ...	25	2071	83	129
April ...	22	1943	88	149
May ...	25	2487	99	143
June ...	26	2297	88	131
July (schools closed) ...	...	...	...	...
August ...	22	1673	76	113
September ...	25	1702	68	109
October ...	27	2612	97	134
November ...	27	2107	77	125
December ...	20	1312	65	102
Totals ...	268	22219	82	149

Particulars regarding the attendance of Individual Children at the Treatment Clinics.

Number of Individual Children.	Boys.	Girls.	Total.
Attending at beginning of 1923 ...	62	32	94
Commenced and completed treatment in 1923 ...	675	467	1142
Attending at end of 1923 ...	51	42	93
Number of Individual Children treated ...	788	541	1329



## Results of Treatment at Clinic.

Defect or Disease.	No. of Cases.			Cured.	Im- proved.	Un- changed.	Ceased Attend- ing.	In- complete.
	Boys.	Girls.	Total.					
<i>Eye Diseases—</i>								
Conjunctivitis ...	45	22	67	60	1	...	4	2
Blepharitis ...	35	32	67	59	2	...	1	5
Phlyctenules ...	4	12	16	13	...	...	...	3
Corneal Ulcers ...	4	3	7	6	...	...	1	...
Keratitis ...	4	2	6	4	...	1	...	1
Hordeolum ...	16	7	23	23	...	...	...	...
Ophthalmia ...	6	1	7	6	...	...	...	1
Other Diseases ...	3	5	8	7	1	...	...	...
<i>Ear Diseases—</i>								
Otorrhœa ...	65	49	114	54	2	2	6	50
Wax in Ears ...	45	48	93	90	2	...	...	1
Other Diseases ...	7	3	10	8	...	2	...	...
<i>Nose and Throat—</i>								
Enlarged Tonsils	9	29	38	5	16	13	...	4
<i>Skin Diseases—</i>								
Impetigo, Head ...	37	37	74	71	...	...	...	3
Impetigo, Body ...	148	115	263	243	3	...	...	17
Ringworm, Head	17	1	18	14	...	...	...	4
Ringworm, Head, after X-ray ...	14	11	25	23	...	...	...	2
Ringworm, Body	26	7	33	33	...	...	...	...
Eczema ...	29	17	46	41	2	...	2	1
Seborrhœa ...	9	7	16	15	...	...	1	...
Septic Sores ...	215	96	311	295	...	1	3	12
Minor Injuries ...	45	13	58	56	...	1	1	...
Miscellaneous ...	20	21	41	29	5	1	2	4
Totals ...	803	538	1341	1155	34	21	21	110



Particulars relating to Children attending Newtown Delicate Class.

No. in Register.	Sex.	Date of Birth.	Defects.	Period of Attendance Weeks	Gain in Weight Pounds.	Reason for Leaving.	Remarks.
20	M	19/6/09	Early Pulmonary Tuberculosis	132	31½	Leaving Age	Much Improved
33	F	13/7/09	Early Pulmonary Tuberculosis	107	22½	Leaving Age	Much Improved
35	F	25/2/13	Early Pulmonary Tuberculosis	51	8½	Still Attending	Improved
38	M	13/4/13	Early Pulmonary Tuberculosis	123	13½	Still Attending	Improved
42	M	15/10/12	Early Pulmonary Tuberculosis	111	15½	Still Attending	Much Improved
43	M	26/12/11	Early Pulmonary Tuberculosis	116	21½	Still Attending	Much Improved
46	M	11/1/08	Early Pulmonary Tuberculosis	73	16½	Leaving Age	Much Improved
47	M	16/7/09	Old Spinal Caries (Potts)	103	22	Still Attending	Much Improved
49	F	15/7/09	Early Pulmonary Tuberculosis	87	18½	Leaving Age	Much Improved
50	F	28/1/10	Anæmia, Pretubercular	95	29½	Still Attending	Much Improved
51	F	29/6/11	Early Pulmonary Tuberculosis	101	11½	Still Attending	Improved
55	F	21/5/11	Anæmia, Pretubercular	82	16	Still Attending	Much Improved
56	F	2/6/14	Pretubercular, Adenoids	79	11	Returned to Ord. School	Much Improved
57	F	9/4/10	Anæmia, Tubercular Keratitis	95	29½	Still Attending	Much Improved
59	M	28/9/11	Bronchiectasis	94	10½	Still Attending	Improved
60	M	26/1/13	Early Pulmonary Tuberculosis	89	13	Still Attending	Improved
61	M	29/9/09	Old Tubercular Hip Disease	85	9	Still Attending	Improved
64	F	27/8/13	Bronchiectasis	82	11½	Still Attending	Improved
65	F	15/11/10	Congenital Syphilis	66	5½	Still Attending	Improved
66	M	19/12/12	Malnutrition, Adenoids	83	14½	Still Attending	Much Improved
67	F	1/3/11	Early Pulmonary Tuberculosis	80	20½	Returned to Ord. School	Much Improved
69	F	21/11/09	Early Pulmonary Tuberculosis	66	17½	Leaving Age	Much Improved
70	M	28/11/11	Bronchiectasis, Suspected Phthisis	58	2½	Sent to Sanatorium	Unchanged
71	M	26/8/12	Pretubercular, Adenoids	70	9½	Still Attending	Improved
72	M	30/12/13	Pretubercular, Anæmia	61	11½	Still Attending	Much Improved
73	F	4/8/12	Pretubercular, Anæmia	65	14½	Still Attending	Much Improved
74	F	16/9/13	Asthma and Bronchitis	47	3	Still Attending	Unchanged
76	M	10/9/14	Bronchiectasis	30	3½	Unsuitable Case	Improved
77	M	5/12/12	Anæmia	26	4½	Left City	Improved
78	M	23/5/12	Bronchiectasis	57	6	Still Attending	Improved



79	F	19/6/15	Early Pulmonary Tuberculosis ..	..	35	7	Still Attending ..	Much Improved
80	F	22/4/15	Chronic Bronchitis ..	..	45	64	Returned to Ord. School	Much Improved
81	F	11/11/13	Anæmia, Pretubercular ..	..	61	84	Still Attending ..	Improved
83	F	26/4/10	Early Pulmonary Tuberculosis ..	..	54	174	Still Attending ..	Much Improved
84	F	26/1/16	Early Pulmonary Tuberculosis ..	..	60	12	Still Attending ..	Much Improved
85	F	26/1/09	Early Pulmonary Tuberculosis ..	..	26	4	Leaving Age ..	Improved
86	F	14/7/12	Pretubercular Anæmia ..	..	39	5	Returned to Ord. School	Improved
87	F	25/3/14	Bronchiectasis ..	..	52	94	Still Attending ..	Improved
88	M	3/12/15	Early Pulmonary Tuberculosis ..	..	46	6	Still Attending ..	Improved
89	F	3/6/17	Malnutrition, Pretubercular ..	..	39	3	Still Attending ..	Improved
90	M	19/11/12	Tubercular Glands, Malnutrition ..	..	42	9	Still Attending ..	Much Improved
91	F	22/1/16	Early Pulmonary Tuberculosis ..	..	39	34	Sent to Sanatorium	Unchanged
92	F	1/2/15	Early Pulmonary Tuberculosis ..	..	47	74	Still Attending ..	Improved
93	M	7/12/10	Early Pulmonary Tuberculosis ..	..	42	54	Still Attending ..	Improved
94	M	8/3/15	Early Pulmonary Tuberculosis ..	..	48	74	Still Attending ..	Improved
95	M	1/12/14	Early Pulmonary Tuberculosis ..	..	46	94	Still Attending ..	Much Improved
96	M	20/9/09	Early Pulmonary Tuberculosis ..	..	36	54	Leaving Age ..	Improved
97	M	21/1/14	Early Pulmonary Tuberculosis ..	..	43	54	Still Attending ..	Improved
98	F	29/11/15	Organic Heart Disease ..	..	42	7	Still Attending ..	Much Improved
99	F	17/1/16	Anæmia, Pretubercular ..	..	37	64	Still Attending ..	Much Improved
100	M	22/9/17	Early Pulmonary Tuberculosis ..	..	35	74	Still Attending ..	Much Improved
101	F	1/1/14	Bronchiectasis, Suspected Phthisis ..	..	41	94	Still Attending ..	Much Improved
102	F	2/5/11	Anæmia, Tonsils, and Adenoids ..	..	26	84	Still Attending ..	Much Improved
103	M	20/5/14	Pretubercular, Suspected Phthisis ..	..	14	—	Left City ..	Unchanged
104	M	14/3/16	Anæmia, Tubercular Keratitis ..	..	25	8	Still Attending ..	Much Improved
105	F	12/12/13	Malnutrition, Pretubercular ..	..	29	54	Still Attending ..	Improved
106	M	15/6/13	Tubercular Hip Disease ..	..	9	2	Admitted to Infirmary	Unchanged
107	F	9/12/15	Organic Heart Disease ..	..	28	54	Still Attending ..	Improved
108	M	10/10/16	Early Pulmonary Tuberculosis ..	..	17	4	Still Attending ..	Improved
109	M	3/11/16	Early Pulmonary Tuberculosis ..	..	24	44	Still Attending ..	Improved
110	F	8/6/14	Old Spinal Caries (Pott's) ..	..	23	14	Still Attending ..	Improved
111	F	2/12/15	Anæmia, Adenoids, Suspected Phthisis ..	..	20	3	Still Attending ..	Improved
112	M	23/12/15	Rib Necrosis following Empyema ..	..	11	34	Still Attending ..	Improved
113	F	9/10/13	Anæmia, Pretubercular ..	..	13	44	Still Attending ..	Improved
114	F	3/10/18	Malnutrition ..	..	1	—	Unsuitable Case	Unchanged
115	F	24/3/14	Early Pulmonary Tuberculosis ..	..	12	24	Still Attending ..	Improved
116	F	31/3/13	Incontinence of Urine ..	..	5	1	Unsuitable Case	Unchanged
117	F	16/5/13	Anæmia, Suspected Chorea ..	..	6	24	Still Attending ..	Improved
118	F	21/11/17	Early Pulmonary Tuberculosis ..	..	5	14	Still Attending ..	Improved
119	M	25/10/13	Anæmia, Suspected Phthisis ..	..	4	14	Still Attending ..	Improved



**Return of Defects found in the Course of Medical  
Inspection at the Carlisle and County High School  
for Girls in 1923.**

Defect or Disease.	Group 1. Under 9.		Group 2. 9 to 12.		Group 3. 12 to 15.		Group 4. Leavers 15 & over		Total.	
	Referred for Treatment	Referred for Observation.	Referred for Treatment.	Referred for Observation.	Referred for Treatment.	Referred for Observation.	Referred for Treatment.	Referred for Observation.	Referred for Treatment.	Referred for Observation.
Malnutrition ...	...	...	...	1	..	1	..	...	...	2
Dental Disease ...	...	3	6	7	6	10	3	4	15	24
Defective Vision ...	...	2	4	3	2	6	2	1	8	12
External Eye Disease ...	...	...	...	1	..	...	...	...	...	1
Tonsils and Adenoids ...	1	4	...	2	1	5	...	...	2	11
Otitis Media ...	...	...	...	...	...	...	1	...	1	...
Heart and Circulation— Heart Disease :— Functional ...	...	1	...	2	...	1	...	1	...	5
Lungs :— Suspected Phthisis ...	...	...	1	2	...	1	...	...	1	3
Other Disease ...	...	...	...	...	...	1	...	...	...	1
Deformities ...	...	...	...	2	...	2	...	1	...	5
Enlarged Glands ...	...	1	...	1	...	...	...	...	...	2
Nasal Obstruction ...	...	...	1	1	...	2	...	...	1	3
Nasal Catarrh ...	...	1	...	...	...	...	...	...	...	1
Constipation ...	...	...	...	1	...	...	...	...	...	1
Defective Hearing ...	...	...	...	...	...	1	...	1	...	2
Wax in Ears ...	...	...	...	...	1	...	...	...	1	...
Granular Throat ...	...	...	...	..	...	2	...	...	...	2
Totals ...	1	12	12	23	10	32	6	8	29	75

**Classification of Individual Children Examined.**

	No defect.	Observation.	Treatment.	Total.
Group 1 ...	4	7	1	12
.. 2 ...	8	11	10	29
.. 3 ...	17	17	9	43
.. 4 ...	12	6	6	24
Totals ...	41	41	26	108



**Return of Defects found in the Course of Medical  
Inspection at the Carlisle Grammar School for  
Boys in 1923.**

Defect or Disease.	Group 1. Under 9.		Group 2. 9 to 12.		Group 3. 12 to 15.		Group 4. Leavers 15 & over		Total.	
	Referred for Treatment.	Referred for Observation.	Referred for Treatment.	Referred for Observation.	Referred for Treatment.	Referred for Observation.	Referred for Treatment.	Referred for Observation.	Referred for Treatment.	Referred for Observation.
Malnutrition ...	...	...	...	3	...	6	...	...	...	9
Dental Disease ...	...	...	6	1	7	9	9	9	22	19
Defective Vision ...	...	...	...	...	1	2	1	7	2	9
Tonsils and Adenoids ...	...	...	1	2	1	1	1	1	3	4
External Eye Disease ...	...	...	...	...	1	...	...	...	1	...
Heart & Circulation, Heart Disease :—										
Organic ...	...	...	...	...	...	...	1	...	1	...
Anæmia ...	...	...	4	...	3	3	1	2	8	5
Lungs :—										
Suspected Phthisis ...	...	...	2	1	1	...	...	...	3	1
Other Disease ...	...	...	...	...	...	1	...	...	...	1
Deformities ...	...	...	...	1	...	3	...	1	...	5
Skin Disease ...	...	...	...	...	...	...	1	1	1	1
Enlarged Glands ...	...	...	...	1	...	2	...	...	...	3
Otitis Media ...	...	...	...	...	1	...	1	...	2	...
Defective Hearing ...	...	...	...	...	...	1	...	...	...	1
Wax in Ears ...	...	...	...	...	3	...	1	...	4	...
Defective Speech ...	...	...	1	...	1	...	...	...	2	...
Constipation ...	...	...	...	...	...	...	1	...	1	...
Hernia ...	...	...	...	...	...	...	1	...	1	...
Totals ...	...	...	14	9	19	28	18	21	51	58

**Classification of Individual Children Examined.**

		No Defect.	Observation.	Treatment.	Total.
Group 1	...	1	...	...	1
„ 2	...	3	3	7	13
„ 3	...	10	14	13	37
„ 4	...	5	15	12	32
Totals	...	19	32	32	83



**Table I.—Number of Children Inspected 1st January, 1923, to 31st December, 1923.**

**A. "Routine" Medical Inspection.**

Age.	Entrants.					
	3.	4.	5.	6.	Other Ages.	Total.
Boys ...	...	53	298	50	17	418
Girls ...	...	56	285	58	11	410
Totals ...	...	109	578	108	28	823

Age.	Inter- mediate Group.	Leavers.				Other Ages.	Grand Total.
	8.	12.	13.	14	Total.	Inter- mediate.	
Boys ...	285	305	91	5	401	215	1314
Girls ...	251	335	82	4	421	193	1275
Totals ...	536	640	173	9	822	408	2589

**B. "Special" Inspections.**

			Special Cases.	Re-examinations (i.e., No. of Children Re-examined).
Boys ...	...	...	490	790
Girls ...	...	...	378	748
Totals ...	...	...	868	1542

**C. Total number of Individual Children inspected by the Medical Officer, whether as "Routine" or "Special" Cases.**

Number of Individual Children Inspected.
4999



TABLE II.

**A.—Return of Defects found in the course of  
Medical Inspection, 1923.**

Defect or Disease.				Routine Inspections.		Specials.	
				Number referred for Treatment.	Number requiring to be kept under observation, but not referred for Treatment.	Number referred for Treatment.	Number requiring to be kept under observation, but not referred for Treatment.
(1)				(2)	(3)	(4)	(5)
Malnutrition	...	...		21	293	...	...
Uncleanliness :							
Head	...	...		219	92	14	1
Body	...	...		1	125	...	1
Ringworm :							
Head...	...	...		11	...	28	1
Body	...	...		4	...	27	1
Skin { Scabies	...	...		4	..	14	2
Impetigo	...	...		50	3	205	1
Other Diseases							
(non-Tubercular)				69	42	213	19
Eye { Blepharitis	...	...		22	22	38	4
Conjunctivitis	...	...		12	1	35	2
Keratitis	...	...		3	...	...	...
Corneal Ulcer	...	...		1	...	2	1
Corneal Opacities	...	...		1	5	1	1
Defective Vision	...	...		143	278	43	13
Squint	...	...		13	33	4	2
Other Conditions	...	...		14	6	21	2
Ear { Defective Hearing	..	...		15	19	3	2
Otitis Media	...	...		30	5	38	2
Other Ear Diseases	...	...		54	27	18	1
Nose and Throat { Enlarged Tonsils	...	...		203	234	32	11
Adenoids	...	...		34	10	4	3
Enlarged Tonsils and Adenoids	...	...		13	...	...	...
Other Conditions	...	..		49	33	11	8
Enlarged Cervical Glands							
(non-Tubercular)				3	53	7	4
Defective Speech	...	...		1	14	...	3
Teeth—Dental Diseases	..	...		35	375	7	3
Heart and Circulation { Heart Disease :							
Organic	...	...		5	35	2	3
Functional	...	...		1	28	...	2
Anæmia	...	...		46	30	9	8
Lungs { Bronchitis	...	...		18	31	7	...
Other (non-Tubercular)							
Disease	...			4	42	2	1



Table II.—continued.

Defect or Disease.		Routine Inspections.		Specials.	
		Number referred for Treatment.	Number requiring to be kept under observation, but not referred for Treatment.	Number referred for Treatment.	Number requiring to be kept under observation, but not referred for Treatment.
(1)		(2)	(3)	(4)	(5)
Tuber- culosis	Pulmonary :				
	Definite ... ..	6	2	2	9
	Suspected ... ..	32	25	10	7
	Non-pulmonary :				
	Glands ... ..	...	...	...	...
	Spine ... ..	...	...	1	...
	Hip ... ..	...	2	..	...
	Other Bones and Joints ... ..	...	...	...	...
Nervous System	Skin ... ..	1	1	...	...
	Other Forms ... ..	...	..	1	...
Deformities	Epilepsy ... ..	...	2	1	1
	Chorea ... ..	...	2	...	...
	Other Conditions ... ..	...	1	...	...
Other Defects and Diseases	(Rickets ... ..	...	25	...	...
	Spinal Curvature ... ..	...	5	...	...
	Other Forms ... ..	...	26	...	3
Total ... ..		43	30	119	32

**B.—Return of individual Children found at Routine Medical Inspection to require treatment (excluding Uncleanliness and Dental Diseases).**

Group.	Number of Children.		Percentage of Children found to require Treatment.
	Inspected.	Found to Require Treatment.	
Code Groups :—			
Entrants ... ..	823	283	34·4
Intermediates ... ..	944	376	39·8
Leavers ... ..	822	189	23·0
Total ... ..	2589	848	32·8
Other Routine Inspections ...	Nil	Nil	...



**Table III.—Numerical Return of all Exceptional Children in the Area in 1923.**

BLIND (including partially blind), within the meaning of the Elementary Education (Blind and Deaf Children) Act, 1893.		Attending Public Elementary Schools	Boys.	Girls.	Total.
		Attending Certified Schools for the Blind	...	...	...
		Not at School	2	2	4
			...	...	...
DEAF AND DUMB (including partially deaf), within the meaning of the Elementary Education (Blind and Deaf Children) Act, 1893.		Attending Public Elementary Schools	...	...	...
		Attending Certificated Schools for the Deaf	4	3	7
		Not at School	...	...	...
MENTALLY DEFECTIVE.	Feeble-minded	Attending Public Elementary Schools	16	6	22
		Attending Certified Schools for Mentally Defective Children	..	..	..
		Notified to the Local Control Authority by Local Education Authority during the year	4	1	5
		Not at School	..	..	..
	Imbeciles	At School	..	..	..
		Not at School	6	3	9
		Notified to the Local Control Authority by Local Education Authority during the year.	..	..	..
	Idiots	...	..	1	1
EPILEPTICS		Attending Public Elementary Schools	..	1	1
		Attending Certified Schools for Epileptics	..	..	..
		In Institutions other than Certified Schools	..	..	..
		Not at School	1	..	1
PHYSICALLY DEFECTIVE.	Pulmonary Tuberculosis	Attending Public Elementary Schools	58	50	108
		Attending Certified Schools for Physically Defective Children	..	..	..
		In Institutions other than Certified Schools	..	..	..
		Not at School	5	5	10
	Crippling due to Tuberculosis	Attending Public Elementary Schools	5	7	12
		Attending Certified Schools for Physically Defective Children	..	..	..
		In Institutions other than Certified Schools	..	..	..
		Not at School	1	..	1
	Crippling due to causes other than Tuberculosis, i.e., Paralysis, Rickets, Traumatism	Attending Public Elementary Schools	23	11	34
		Attending Certified Schools for Physically Defective Children	..	..	..
		In Institutions other than Certified Schools	..	..	..
		Not at School	1	1	2
Dull or Backward		Retarded 2 years	205	149	354
		Retarded 3 years	52	25	77



**Table IV.—Treatment of Defects of Children  
during 1923.**

**Treatment of Minor Ailments.**

Disease or Defect.	Number of Children.			
	Referred for Treat- ment.	Treated.		
		Under Local Education Authority's Scheme.	Otherwise.	Total.
Skin :—				
Ringworm (Head) ..	51	42	9	51
Ringworm (Body) ..	43	32	11	43
Scabies .. ..	25	..	22	22
Impetigo .. ..	381	317	52	369
Minor Injuries ..	85	77	6	83
Other Skin Disease ..	403	314	60	374
Ear Disease .. ..	327	188	77	265
Eye Disease (external and other) .. ..	220	163	31	194
Miscellaneous .. ..	16	8	5	13

**Treatment of Visual Defect.**

Number of Children									
Referred for Refraction.	Submitted to Refraction.				For whom Glasses were Prescribed.	For whom Glasses were Provided.	Recommended for Treatment other than by Glasses.	Received other Forms of Treat- ment.	For whom no Treat- ment was considered necessary.
	Under Local Education Autho- rity's Scheme Clinic or Hospital	By Private Practitioner or Hospital.	Otherwise.	Total.					
554	207	16	23	246	209	143	6	5	17

**Treatment of Defects of Nose and Throat.**

Referred for Treatment.	Number of Children.			
	Received Operative Treatment.			Received other Forms of Treatment
	Under Local Education Autho- rity's Scheme Clinic or Hospital	By Private Practitioner or Hospital.	Total.	
870	..	102	102	344



**Table IV.—Treatment of Defects of Children  
during 1923—(continued).  
Treatment of all other Defects.**

Disease or Defect.	Referred for Treatment.	Number of Children Treated.		
		Under Local Education Authority's Scheme.	Otherwise.	Total.
Malnutrition ..	46	6	28	34
Enlarged Cervical Glands (non-tuber- cular) .. ..	21	1	10	11
Heart Disease—				
Organic .. ..	20	..	10	10
Functional .. ..	2	1	..	1
Anæmia .. ..	170	13	111	124
Bronchitis .. ..	47	4	30	34
Other Lung Disease— (non-tubercular) ..	10	3	6	9
Tuberculosis—Pul- monary {definite ..	58	42	8	60
{suspected ..	37	17	8	25
Non-Pulmonary—				
Glands .. ..	5	..	3	3
Spine .. ..	3	2	..	2
Hip .. ..	4	2	2	4
Bones and Joints ..	1	..	..	..
Skin .. ..	3	3	..	3
Other Forms .. ..	1	1	..	1
Nervous System—				
Chorea .. ..	2	1	1	2
Epilepsy .. ..	1	..	..	..
Other Conditions ..	2	..	2	2
Deformities .. ..	5	..	1	1
Other Defects .. ..	45	3	22	25



**Table IV.—Treatment of Defects of Children  
during 1923—(continued).  
Dental Defects.**

(1) Number of Children who were :—					
(a) Inspected by the Dentist :					
Aged					
Routine Age Groups	5	...	}	Total	2258
	6	...			
	7	701			
	8	196			
	9	318			
	10	266			
	11	294			
	12	239			
	13	151			
	14	93			
Specials	...	...	...	...	110
Grand Total...					2368
(b) Found to require treatment ...					1554
(c) Actually treated ...					751
(d) Re-treated during the year as the result of periodical examination ...					289
(2) Half-days devoted to	Inspection	20	Total		81
	Treatment	61			
(3) Attendances made by Children for treatment ...					755
(4) Fillings	Permanent teeth	901	Total		901
	Temporary teeth	...			
(5) Extractions	Permanent teeth	347	Total		2021
	Temporary teeth	1674			
(6) Administrations of general anæsthetics for extractions ...					278
(7) Other operations	Permanent teeth	29	Total		56
	Temporary teeth	27			

#### Uncleanliness and Verminous Conditions.

(1) Average number of visits per School made during the year by the School Nurses ...					15
(2) Total number of examinations of Children in the Schools by the School Nurses ...					17390
(3) Number of individual Children found Unclean					568
(4) Number of Children cleansed under arrange- ments made by the Local Education Authority ...					—
(5) Number of cases in which legal proceedings were taken :—					
(a) Under the Education Act, 1921 ...					—
(b) Under School Attendance Bye-laws					6