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COUNTY BOROUGH OF SOUTHPORT.  
EDUCATION COMMITTEE.

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THIRTEENTH ANNUAL REPORT

ON THE

MEDICAL INSPECTION OF  
SCHOOL CHILDREN.

---

FOR THE YEAR 1921.

BY

G. C. BARNES, D.P.H.,

SCHOOL MEDICAL OFFICER.

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SOUTHPORT:

J. J. RILEY, "GUARDIAN" OFFICE, 267 LORD STREET,  
1922.

INDIAN HISTORY OF THE UNITED STATES

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<hr/>	
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<hr/>	
Clerks .....	THREE.

## *To the Chairman and Members of the Education Committee.*

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The School Medical Officer begs to present his Report for the year 1921.

The department has maintained a high standard of efficiency.

Attention is directed inter alia to the results of Dental Treatment. In 1913, of children aged 6 and over, 41.5% had one or more carious permanent teeth, whereas in 1921 the percentage is reduced to 12.4. At leaving in 1913 the percentage of children with carious permanent teeth was 79.2; in 1921 it is 18.75.

Of 988 cases not treated it will be noted that two-thirds were Dental.

Further and simpler powers are required to secure prompt and effectual treatment in recalcitrant cases.

Sanction was received from the Board of Education to expend the sum of £15 15s. on the treatment by X-Ray of three cases of Tubercular Glands. The Medical Staff, encouraged by the result of the treatment, and greatly daring, proceeded without further sanction to treat four more cases at a further cost of some £20. The Board refused to pay half of this £20; and when Colonel Dalrymple White, M.P. for Southport, asked a question about it in the House, matters were made worse by the Minister referring to this recognised treatment as an "Experiment." The reason assigned is that the £10 is saved for the sake of National Economy. On that, one can only say that if the Board wish to economise, which seems somewhat doubtful, there are a thousand and one matters of their concern calling for the pruning knife without lopping off such a trifle as the amount in dispute; which is, moreover, spent for unquestioned value. They might, for instance, make a beginning in their own department; there would be no necessity to stop at a Ten-Pound note.

I suggest for consideration of the Board of Education that the arrest of disease, and the saving of a child's health, and maybe its life, are of the value of fifty shillings; and that it is better to spend this amount than to have Tuberculous Glands removed at great expense later by a surgeon, when it is difficult, if not impossible, to get a satisfactory result.

Supposing that this treatment were used on a corresponding scale throughout the country, the whole expenditure might amount to £5,000; and this would unquestionably be both justifiable and expedient.



The "School Medical Service" arises out of the Education (Administrative Provisions) Act, 1907. The number of defects disclosed by the Inspection under the act called for a scheme of Treatment for these defects at the Public Expense.

In the 12 months ended 31st October, 1918, there were approximately 2½ million examinations of recruits for the War; of this number only 36% were found to be of normal standard of health and strength; the remaining 64% did not attain this standard, and upwards of 40% presented such marked physical disabilities as to be classifiable as C.3. The defects answerable for this miserable state of affairs were chiefly such things as Spinal Curvature, Deformity, Defective Vision, Rickets, and Defective Teeth; and Tuberculosis was responsible for a fair proportion of the invalidity.

The immensely greater part of this sum of incapacity is due to the failure to recognise and treat adequately the defects of children. Had a proper school medical service been in action for the preceding 20 years it is fair to say that a very large proportion of that disability would have been altogether obviated.

In addressing a Public Meeting during the Autumn I ventured to ask the question, "What is the cash value of an Infantile Death-Rate of 50?" I fear that that question remains unanswered, even in general terms, except in academic circles. It is as certain as anything can be that such value is almost incalculable. The same consideration applies to properly conducted School Medical Services and to Maternity and Child Welfare work. These things have been branded in certain quarters as a large slice of State Socialism. So far from that being a cogent criticism, it is not even an insurance premium that the expense of these activities constitutes. It is simply the commonsense provision that a reasonable view of the future renders necessary. The proportion of C.3. constituents in the population will in such ways be very largely reduced, the incidence of the unfortunate people who are now causing a huge strain on the State in prisons, workhouses, and asylums will be largely eliminated, and a corresponding number enabled to take their place in the wealth-producing section of the community. Apart from such crude evidences of failure to take the long view, the present loss to the community by reason of temporary incapacity from avoidable sickness and premature death is stupendous.

You cannot get an A.I. Medical Service out of a C.3. staff; and in areas such as Southport, where there is an A.I. Medical Service, the cost of that service is not to be complained of, so long as it co-ordinates with the reasonable ability of the community to pay for it. Any service, whether bad or good, may be made the subject of captious criticism. This kind of thing is never helpful, but in certain minds is made to take the part of the more valuable criticism commonly called constructive. The staffs involved form a vital part of the Public Health services of the State, and should be brought into the closest touch with the Local Authority; and proper attention should



be given to the adequacy of their remuneration, their status, and their duties. It is not possible that anyone whose opinions are worthy of serious consideration can deny that a considerable value attaches to the services rendered by an efficient school medical staff. In times like the present, when financial stringency renders every reasonable economy paramount, and when things which have come to be regarded as ordinary necessities may almost be classified in certain cases as luxuries (that is things which can be done without), it is of the gravest importance to take heed in what quarter the pruning knife of economy is to be used. Genuine helpful services should never be cut off or reduced with a view to relieving the strain on National and Local Finances or with any other object whilst there remain a thousand and one things now conducted at the Public Charge which could infinitely better be dispensed with.

I recommend the following to Education Committees in general and in particular to the co-opted members of those bodies whose membership of their committee arises out of the fact that they are "persons of experience in education, and persons acquainted with the needs of the various kinds of school in the area."

Education may be defined as the placing of an Organism in such an environment that in future it will be able to administer in the greatest degree to its own wants and to those of its neighbours. If this definition is not controverted, it becomes impossible to deny that an environment which is calculated to ensure to the Organism in the future a sound healthy body during a longer and healthier life is the most important part of that Organism's Education.

## VACCINATION.

As can be seen by the table, the percentage of children unvaccinated is rapidly increasing, and has reached the high figure of 73.0% for boys, and 68.4% for girls. Nothing short of an Epidemic of Smallpox apparently will remedy this state of affairs. It remains only to repeat the warnings so often given in the past and to arrange for the future. For the whole cost of this and for dealing with the epidemic when it comes, the anti-vaccinated and unvaccinated ought to pay. An outbreak occurred during the latter months of the year 1920 at Middleton and District, and a few points arising out of it regarding Vaccination are now forthcoming :—

"No person under 10 years of age who had been vaccinated in infancy developed the disease, whereas 26 unvaccinated persons in this age period contracted the disease.

"No case of Smallpox was notified amongst males in the age periods 20 to 30 years and 30 to 40 years. These age groups included a number of ex-Service men who had been either primarily vaccinated or re-vaccinated during their service."



"The 175 persons living in the affected houses who escaped the disease had been vaccinated either before or during the epidemic."

A Special investigation in 16 of the 45 affected houses containing 112 inmates showed:—"Of 19 persons unvaccinated there were 18 cases and one escaped; of 12 persons vaccinated over seven years ago there were six cases and six escapes; of eight persons vaccinated within seven years no cases; of 38 persons primarily vaccinated seven years ago and re-vaccinated since contact, one case and 37 escapes; of 34 persons primarily vaccinated subsequent to contact, six cases and 28 escapes. One person vaccinated in infancy who had smallpox in a previous epidemic escaped.

These figures again give evidence of the efficacy of vaccination, and swell the mass of statistics which go to support it. Every child should be vaccinated within the first six months of life.

#### SCABIES.

It is almost impossible in many cases to get the intensive treatment required, under the conditions prevalent at the children's homes. In the absence of a hospital for skin diseases, one would at normal times advocate the establishment of two or three beds at the Infirmary Annexe where there is a room in the premises rented by the Corporation which would accommodate them. Two or three days in-patient treatment would save a very large loss of school attendance which amounted, in 1921, from this cause, to 4,941 days for 89 children (= say £80).

#### TONSILS AND ADENOIDS.

A separate report on the operative treatment of Tonsils and Adenoids has been given by Mr. Yorke. After the effects of the operation has passed off there is still a strong tendency for the child to continue the habit of mouth breathing which at first is rendered necessary by the obstruction of the adenoids. To correct this habit much care and practice are required on the part of the parent who must be constantly checking any such tendency. In addition to this, these children should be incorporated in a special class for physical training where they may be instructed and trained in the necessary breathing exercises and chest development. This class should come into the sphere of the Physical Training expert and should be carried on under his supervision. Excellent results could be obtained. The small amount of work entailed will be well repaid by the result obtained.

7th March, 1922.

## WORK OF THE SCHOOL MEDICAL SERVICE.

### SANITATION.

Medical Inspection (Routine and Specials) at the Elementary Schools.

Following up and re-inspection of children found defective.

Cleanliness Surveys under Section 128 of the Children's Act.

Clinic work. Treatment of Minor Ailments. Two afternoon clinics are provided for this work, and a morning clinic held daily.

Dental Clinic carried on daily except Saturday.

Eye Clinic. Refraction and treatment of External Eye disease on one afternoon each week.

Provision of spectacles in necessitous cases.

Provision of meals.

EXAMINATION OF DEFECTIVE CHILDREN with a view to sending them to special schools for Blind, Deaf, Physical and Mental Defectives.

MEDICAL INSPECTION of Scholarship Children.

MEDICAL AND DENTAL INSPECTION of Secondary School Children.

OPERATIVE TREATMENT of Tonsils and Adenoids.

X-RAY TREATMENT of Ringworm.

SPECIAL CLINIC meeting one afternoon a week for the treatment of skin diseases.

### SCHOOL BUILDINGS.

There are 18 Elementary Schools in the area. With the exception of two, these are of the Central Hall type or variations of this type.

The Sanitary condition of the schools is, on the whole, good. Certain improvements, e.g., the conversion of Trough Closets, improvement of heating plant, lighting and ventilation, have been carried out, but still much requires to be done. Some of the alterations which one would like to see accomplished are at the present time too costly, and for that reason cannot be recommended, but it is hoped that those improvements which involve little outlay, or which, though somewhat costly, are urgently needed, will be carried out as soon as possible.



## GENERAL REVIEW OF THE FACTS DISCLOSED BY THE MEDICAL INSPECTION.

### PROPORTION OF CHILDREN ACTUALLY INSPECTED.

Out of 2,998 children placed on the list for inspection, 92.5 per cent. were inspected; 1.6 per cent. of parents declined to have their children inspected; 28.2 per cent. of the parents attended the inspection of their children.

### PREVIOUS DISEASE.

The common febrile disorders of childhood had affected the children according to the following percentages:—Measles, 65.3 per cent., Whooping Cough, 32.8 per cent.; Chicken Pox, 23.2 per cent.; Scarlet Fever, 7.0 per cent.; Diphtheria, 1.8 per cent.; Mumps, 2.7 per cent.; Rheumatism, 0.2 per cent.

### VACCINATION.

58.7 per cent. were unvaccinated, the greater part of the deficiency occurring amongst the infants. In addition, 0.1 per cent., though said to have been vaccinated, had no cicatrices.

Percentage of Infants (under 6 years of age) found unvaccinated  
during the last Eleven Years.

		Boys.		Girls.
1911	.....	4.2	.....	4.7
1912	.....	23.9	.....	21.8
1913	.....	44.0	.....	45.4
1914	.....	50.8	.....	55.7
1915	.....	53.6	.....	49.6
1916	.....	55.6	.....	50.4
1917	.....	60.2	.....	57.5
1918	.....	63.4	.....	63.6
1919	.....	68.8	.....	67.1
1920	.....	68.5	.....	66.7
1921	.....	73.0	.....	68.4



Table A (1) shows the average heights and weights according to "age last birthday"; and Table A (2) the heights and weights corrected to end of completed year of life.

**TABLE A.—ALL ELEMENTARY SCHOOLS, SOUTHPORT.**

**(1) Average Heights and Weights.**

**(Age last birthday.)**

BOYS.					
No.	Age last Birth-day.	Ft. Ins.	Cms.	St. Lbs.	Kilos.
41	3	3-0.4	92.5	2-5.9	15.38
70	4	3-3.5	100.3	2-8.8	16.70
182	5	3-6.3	107.4	2-12.6	18.42
74	6	3-8.8	113.8	3-2.7	20.28
184	7	3-11.0	119.4	3-8.6	22.95
203	8	4-0.4	123.0	3-11.2	24.13
26	9	4-3.1	129.8	4-4.2	27.31
11	10	4-4.3	132.8	4-5.2	27.76
208	11	4-6.3	137.9	4-13.5	31.52
271	12	4-7.5	141.0	5-4.1	33.61
152	13	4-6.2	137.7	5-10.6	36.56
48	14	5-0.2	152.8	6-8.4	41.92
11	15	5-1.3	155.4	7-0.1	44.44

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GIRLS.					
No.	Age last Birth-day.	Ft. Ins.	Cms.	St. Lbs.	Kilos.
36	3	3-1.7	95.7	2-5.6	15.2
77	4	3-3.5	100.3	2-4.1	14.5
173	5	3-6.0	106.7	2-11.6	17.9
100	6	3-7.8	111.3	3-0.9	19.4
169	7	3-11.3	120.2	3-6.6	22.0
204	8	3-6.6	108.2	3-8.8	23.0
30	9	4-2.2	127.5	4-0.5	25.6
24	10	4-3.3	130.3	4-3.4	26.9
154	11	4-6.0	137.2	4-11.2	30.4
194	12	4-7.5	141.0	5-3.7	33.4
121	13	4-10.4	148.3	5-12.2	37.2
10	14	4-10.7	149.1	6-7.8	41.6

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**DR. TUXFORD AND DR. ASHLEIGH CLEGG'S TABLE OF ENGLISH ELEMENTARY SCHOOL CHILDREN.**

BOYS.					
No.	Age last Birth-day.	Ft. Ins.	Cms.	St. Lbs.	Kilos.
9388	3	3-0.4	92.4	2-4.8	14.86
24047	4	3-2.7	98.2	2-7.9	16.29
65438	5	3-4.5	103.0	2-10.7	17.54
20554	6	3-6.5	108.0	3-0.6	19.33
37515	7	3-9.2	114.7	3-4.7	21.20
9684	8	3-11.0	119.3	3-8.4	22.86
7873	9	4-1.1	124.7	3-13.4	25.12
21579	10	4-2.9	129.4	4-4.4	27.42
5084	11	4-4.8	134.2	4-5.6	29.93
37230	12	4-7.0	139.8	5-2.9	33.05
52232	13	4-8.1	142.5	5-7.5	35.15
4342	14	4-9.9	147.1	6-0.1	38.15

GIRLS.					
No.	Age last Birth-day.	Ft. Ins.	Cms.	St. Lbs.	Kilos.
8478	3	3-0.1	91.6	2-3.8	14.44
21362	4	3-2.6	98.1	2-6.9	15.82
63825	5	3-4.4	102.6	2-9.6	17.07
21238	6	3-6.4	107.6	2-13.0	18.58
36477	7	3-8.8	113.9	3-3.2	20.50
10214	8	3-10.3	117.6	3-6.9	22.19
8138	9	4-0.7	123.7	3-12.6	24.75
21017	10	4-3.1	129.8	4-2.9	26.71
5129	11	4-4.5	133.5	4-9.9	29.59
36577	12	4-6.6	138.7	5-3.9	33.51
50717	13	4-8.8	144.5	5-10.1	36.31
3702	14	4-10.7	149.0	6-3.7	39.81

It will be noted the comparison is favourable to Southport.

**(2) Average Heights and Weights Corrected to End of completed Year of Life. (Southport Elementary Schools.)**

BOYS.					
No.	Age.	Ft. Ins.	Cms.	St. Lbs.	Kilos.
13	3	3-0.5	92.7	2-3.8	14.42
67	4	3-2.5	97.8	2-7.4	16.06
142	5	3-5.3	104.9	2-11.0	17.68
125	6	3-7.7	111.0	3-1.2	19.59
86	7	3-9.7	116.1	3-5.5	21.54
284	8	3-11.9	121.7	3-8.9	23.08
54	9	4-1.9	126.7	4-0.3	25.54
18	10	4-4.3	132.8	4-5.7	27.99
80	11	4-5.4	135.6	4-10.7	30.26
331	12	4-7.0	139.7	5-1.8	32.59
147	13	4-5.6	136.1	5-8.0	35.38
115	14	4-11.4	150.9	6-0.8	38.46
18	15	5-1.2	155.4	7-3.9	46.20
1	16	4-10.9	149.6	6-3.8	39.82

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GIRLS.					
No.	Age.	Ft. Ins.	Cms.	St. Lbs.	Kilos.
14	3	3-0.9	93.7	2-4.3	14.65
64	4	3-2.4	97.5	2-7.2	15.96
138	5	3-4.9	103.9	2-9.8	17.15
142	6	3-7.1	109.4	2-13.4	18.78
83	7	3-9.5	115.6	3-4.7	21.18
292	8	3-11.8	121.4	3-12.0	24.50
44	9	4-1.3	125.2	3-12.7	24.82
26	10	4-3.9	131.8	4-4.1	27.26
54	11	4-4.5	133.3	4-4.8	27.58
275	12	4-6.8	139.2	4-13.4	31.48
94	13	4-9.6	146.3	5-10.7	36.60
63	14	4-11.2	150.3	6-0.7	38.40
3	15	5-1.0	155.0	7-3.6	46.08

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## TINEA TONSURANS.

Five cases were encountered at the inspection.

With 98 cases discovered in other ways, chiefly by teachers or in the course of Inspection under the Children Act, and 29 cases brought forward uncured at the end of the previous year, 127 cases altogether were met with.

(See "Following-up Return," page 41).

## X-RAY TREATMENT OF TINEA TONSURANS.

During the year 1921, ten cases were treated and cured; and two still under treatment at the end of the year.

## CLEANLINESS—STATE OF HAIR.

There were 634 cases of nits in the hair (22.9 per cent.), including 9.4 per cent. of the boys and 38.3 per cent. of the girls.

The following Table shows the percentage of girls found at the Routine Inspection with nits in the hair, during the past five years:—

### NITS IN THE HAIR. (GIRLS ONLY).

#### INSPECTIONS UNDER EDUCATION (Ad. Prov.) ACT, 1907.

School.	1917		1918		1919		1920		1921	
	%		%		Girls.	Infts.	Girls.	Infts.	Girls.	Infts.
Ainsdale C.E. ....	65.0	...	36.8	...	80.0	25.0	50.0	75.0	46.2	—
Ainsdale Council ....	60.0	...	33.3	...	50.0	25.0	20.0	33.3	50.0	16.7
Ainsdale R.C. ....	25.0	...	35.3	...	55.6	100.0	—	33.3	—	—
All Saints' C.E. ....	35.0	...	55.9	...	39.4	16.7	65.9	27.3	30.3	25.0
Birkdale C.E. ....	44.8	...	36.6	...	65.6	26.3	53.6	48.4	53.6	31.6
Birkdale Council ....	76.7	...	58.8	...	69.4	59.2	50.6	38.1	50.5	27.3
Blowick C.E. ....	69.6	...	57.1	...	60.4	28.0	28.3	33.3	51.0	28.6
Churchtown Council ....	34.9	...	50.0	...	63.6	26.9	37.3	9.1	26.1	28.0
Crossens C.E. ....	51.6	...	47.2	...	25.9	26.7	7.5	8.3	27.8	53.3
Dean Cooke Mem. R.C. ...	44.8	...	63.6	...	46.2	18.2	38.5	50.0	50.0	55.6
Emmanuel C.E. ....	25.0	...	12.5	...	—	21.7	—	10.5	—	9.7
Holy Trinity C.E. ....	31.0	...	46.7	...	36.3	43.5	29.4	35.7	47.8	23.5
Linaker Street Council ...	55.3	...	46.2	...	58.6	52.5	33.3	34.0	52.4	44.1
St. Luke's C.E. ....	40.8	...	27.8	...	—	40.5	—	27.8	—	30.4
St. Marie's R.C. ....	82.1	...	62.9	...	56.0	45.5	50.0	29.4	62.5	42.9
St. Philip's C.E. ....	27.5	...	28.3	...	27.3	8.3	15.3	11.1	19.6	31.6
SS. Simon & Jude's C.E. ...	55.8	...	72.3	...	52.1	45.6	37.5	32.7	43.0	23.9
St. Teresa's R.C. ....	66.7	...	53.2	...	81.6	69.7	58.9	60.0	42.0	24.0
Total.....	52.5		49.8		54.9	43.2	37.5	33.2	43.7	29.3

## CARIOUS PERMANENT TEETH.

12.4 per cent. of the children over six years of age have one or more permanent teeth carious. At leaving the percentage is 18.75 (See "Following-up" Return, page 41). This demonstrates that the work of the Dentists is largely effecting its object.

#### ENLARGED TONSILS AND ADENOIDS.

15.8 per cent. of the children were affected, and of these 120 (4.3 per cent.) were cases requiring removal.

#### ENLARGED GLANDS IN THE NECK.

20.9 per cent. ; only a small proportion would be tubercular.

#### DEFECTIVE VISION.

195 children (8.9 per cent.) failed to read  $\frac{6}{9}$   $\frac{6}{9}$  with each eye, and all these are classified as defective.

#### EXTERNAL EYE DISEASE.

3.0 per cent. (Squint 1.6 per cent.).

#### EAR DISEASE.

Otorrhœa, 1.1 per cent.

#### DEAFNESS.

278 = 10.0 per cent. ; mostly due to wax.

#### CARDIAC DISEASE.

14 = 0.5 per cent.

#### LUNG DISEASE.

Eleven cases of fairly definite Bronchitis were met with. No child suffering from Phthisis was discovered at the routine inspection.

#### NERVOUS DISEASE.

6 = 0.2 per cent.

#### TUBERCULOSIS.

Nil.

#### RICKETS.

28 = 1.0 per cent. (Mostly very slight).



NUMBER OF CHILDREN REFERRED FOR SUBSEQUENT OR  
FURTHER EXAMINATION.

Abrasion .....	1	Nasal Catarrh .....	1
Acne Vulgaris .....	2	Nasal Polypi .....	1
Anæmia .....	31	Nervous Disease .....	6
Aural Polypus .....	1	Nits .....	634
Cardiac Disease .....	14	Otitis Media .....	21
Cerumen .....	218	Parasitic Diseases .....	8
Chilblains .....	1	Pharyngitis .....	2
Chorea .....	1	Psoriasis .....	2
Constipation .....	2	Rash (Food) .....	3
Cyst .....	1	Rheumatism .....	1
Defective Hearing .....	278	Rheumatoid Arthritis .....	1
Defective Nutrition .....	1	Rhinitis .....	6
Defective Vision .....	195	Rickets .....	28
Discharge from crypt of Tonsil .....	2	Sebaceous Cyst .....	1
Dyspepsia .....	1	Seborrhæic Eczema .....	5
Eczema .....	11	Scabies .....	9
Enlarged Thyroid .....	6	Scald .....	1
Enuresis .....	3	Sores .....	3
Erythema .....	1	Sprain .....	1
External Eye Disease .....	84	Teeth .....	844
Furunculosis .....	4	Tinea Tonsurans .....	5
Ganglion .....	1	Tonsils and Adenoids .....	439
Gastric Catarrh (sl.) .....	1	Tonsillitis .....	25
Greenstick Fracture .....	2	Umbilical Hernia .....	1
Impetigo .....	24	Urticaria .....	2
Lung Disease .....	43	Warts .....	4
Megrim .....	8		
Nævus .....	1	Total .....	2992

Two or more defects are frequently present in the same child.

RE-EXAMINATIONS of children were conducted at the following schools during December, with results as shewn :—

SCHOOL.	DENTAL DEFECTS.			VISUAL DEFECTS.			MISCELLANEOUS.		
	Cured.	Un- treated	Improv- ing.	Cured.	Un- treated	Improv- ing.	Cured.	Un- treated	Improv- ing.
Holy Trinity C.E. ...	3	6	...	1	1	1	...	1	...
Churchtown Council...	7	42	3	3	6	...	8	2	2
St. Marie's R.C. ....	3	...	...	...	2	...	2	...	...

LOCAL EDUCATION AUTHORITIES (MEDICAL TREATMENT) ACT,  
1909, SECTION 1.

The following is a list of the charges at present made for treatment—  
Secondary School Children—

Teeth—

Extraction with gas .....	5/-
Extractions .....	1/6 per tooth.
Fillings .....	2/6 per filling.
Scaling .....	1/- to 2/-.

Ear Syringing ..... 3/6.

Secondary School and  
Elementary School Children—

Operation for Tonsils and Adenoids ..... 7/6.

It is probable that an attempt to enforce charges on every parent of an elementary school child for treatment would have the effect of reducing the amount of treatment carried out to a small fraction of the cases requiring it. This remark bears especially on the matter of dental treatment. It has taken years of patience to secure the present percentage of defects "cured" in this town, and in my opinion it amounts to a certainty that if the parents are to be charged for the work they will not continue to send the children to the clinic. The difficulties met by practical people in getting an elementary school child to the dentist seem sufficient of themselves to overcome without the parent having to object on account of the cost. Furthermore, any amount collected from the parents will be more than swallowed up by the clerical and collection charges.

I repeat my previous suggestion of a Voluntary Payment of one Penny per month, by the parents of every child attending the schools, for medical treatment; this would amount to about £400 per annum.



# TABLE A. SECONDARY SCHOOLS, SOUTHPORT.

## (1) Average Heights and Weights.

(Age last birthday).

BOYS.						
No.	Age last Birth-day.	Ft.	Ins.	Cms.	St. Lbs.	Kilos.
1	10	4	6.5	138.4	4-5.0	27.67
30	11	4	6.7	138.9	5-1.4	32.38
36	12	4	8.3	143.0	5-5.1	34.06
50	13	4	11.1	150.1	6-0.5	38.32
35	14	5	0.5	153.6	6-5.1	40.42
6	15	5	4.3	163.4	8-3.7	52.48

GIRLS.						
No.	Age last Birth-day.	Ft.	Ins.	Cms.	St. Lbs.	Kilos.
18	10	4	5.7	136.4	4-11.2	30.48
51	11	4	7.6	141.2	5-3.4	33.29
57	12	4	9.3	145.6	5-9.0	35.84
65	13	4	11.8	151.9	6-5.3	40.52
71	14	4	9.9	147.1	6-13.9	44.40
75	15	5	2.0	157.4	7-9.4	48.72
30	16	5	3.3	160.8	8-4.4	52.78
15	17	5	2.4	158.4	8-2.5	51.92
5	18	5	1.7	156.6	8-2.6	51.98
1	19	5	6.5	169.0	8-3.0	52.16

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## Table Comparing Weights of Elementary and Secondary School Children.

BOYS.					
ELEMENTARY.			SECONDARY.		
Age.	St. Lbs.	Kilos.	Age.	St. Lbs.	Kilos.
10	4-5.2	27.76	10	4-5.0	27.67
11	4-13.5	31.52	11	5-1.4	32.38
12	5-4.1	33.61	12	5-5.1	34.06
13	5-10.6	36.56	13	6-0.5	38.32
14	6-8.4	41.92	14	6-5.1	40.42
15	7-0.1	44.44	15	8-3.7	52.48

GIRLS.					
ELEMENTARY.			SECONDARY.		
Age.	St. Lbs.	Kilos.	Age.	St. Lbs.	Kilos.
10	4-3.4	26.94	10	4-11.2	30.48
11	4-11.2	30.48	11	5-3.4	33.29
12	5-3.7	33.42	12	5-9.0	35.84
13	5-12.2	37.28	13	6-5.3	40.52
14	6-7.8	41.64	14	6-13.9	44.40

The heavier weights of girls in the Secondary Schools indicate that those who are better endowed physically pass on to the Secondary Schools.





**TABLE C. SECONDARY SCHOOLS.**

The less frequent ailments, past and present; and a classification of various Diseases and Defects.

	BOYS.			GIRLS.			Grand Total.				
	Leav- ing.	Age 8.	Total.	Leav- ing.	Age 8.	Total.					
NUMBER INSPECTED .....	157	...	1	...	158	370	...	18	...	388	546
EXTERNAL EYE DISEASE .....	4	...	—	...	4	6	...	—	...	6	10
Blepharitis .....	—	...	—	...	—	1	...	—	...	1	1
Hordeolum .....	—	...	—	...	—	1	...	—	...	1	1
Myopia .....	3	...	—	...	3	2	...	—	...	2	5
Strabismus .....	1	...	—	...	1	2	...	—	...	2	3
SPEECH DEFECTS .....	5	...	—	...	5	—	...	—	...	—	5
Defective Articulation .....	1	...	—	...	1	—	...	—	...	—	1
Hoarseness .....	1	...	—	...	1	—	...	—	...	—	1
Stammer .....	3	...	—	...	3	—	...	—	...	—	3
CARDIAC DISEASE .....	—	...	—	...	—	1	...	—	...	1	1
Mitral Regurgitation .....	—	...	—	...	—	1	...	—	...	1	1
LUNG DISEASE .....	—	...	—	...	—	1	...	—	...	1	1
Bronchial Catarrh .....	—	...	—	...	—	1	...	—	...	1	1
NERVOUS DISEASE .....	2	...	—	...	2	2	...	—	...	2	4
“Nervous” .....	2	...	—	...	2	1	...	—	...	1	3
Somnambulism .....	—	...	—	...	—	1	...	—	...	1	1
TUBERCULOSIS.....	—	...	—	...	—	1	...	—	...	1	1
Phthisis .....	—	...	—	...	—	1	...	—	...	1	1
RICKETS .....	—	...	—	...	—	—	...	—	...	—	—
DEFORMITIES .....	2	...	—	...	2	6	...	—	...	6	8
Cleft Palate .....	1	...	—	...	1	—	...	—	...	—	1
Flat-foot .....	1	...	—	...	1	2	...	—	...	2	3
Scoliosis .....	—	...	—	...	—	3	...	—	...	3	3
Torticollis .....	—	...	—	...	—	1	...	—	...	1	1
OTHER DISEASE OR DEFECT ...	20	...	—	...	20	38	...	4	...	42	62
Acne .....	—	...	—	...	—	1	...	—	...	1	1
Adiposis .....	—	...	—	...	—	1	...	—	...	1	1
Alopecia .....	1	...	—	...	1	—	...	—	...	—	1
Alveolar Abscess .....	—	...	—	...	—	1	...	—	...	1	1
Anaemia .....	1	...	—	...	1	3	...	—	...	3	4
Cerumen .....	7	...	—	...	7	6	...	1	...	7	14
Colour Blindness .....	1	...	—	...	1	—	...	—	...	—	1
Constipation .....	—	...	—	...	—	1	...	2	...	3	3
Deflected Nasal Septum .....	—	...	—	...	—	1	...	—	...	1	1
Dyspepsia .....	—	...	—	...	—	1	...	—	...	1	1
Earache .....	—	...	—	...	—	—	...	1	...	1	1
Eczema .....	—	...	—	...	—	1	...	—	...	1	1
Elongated Uvula .....	1	...	—	...	1	—	...	—	...	—	1
Enlarged Thyroid .....	—	...	—	...	—	3	...	—	...	3	3
Gastroptosis .....	—	...	—	...	—	1	...	—	...	1	1
Goitre (slight) .....	—	...	—	...	—	1	...	—	...	1	1
Inguinal Glands .....	1	...	—	...	1	—	...	—	...	—	1
Megrim .....	—	...	—	...	—	4	...	—	...	4	4
Otitis Media .....	—	...	—	...	—	1	...	—	...	1	1
Otorrhœa .....	—	...	—	...	—	1	...	—	...	1	1
Scabies .....	1	...	—	...	1	—	...	—	...	—	1
*Scar .....	6	...	—	...	6	6	...	—	...	6	12
Shingles .....	—	...	—	...	—	1	...	—	...	1	1
Stomatitis .....	—	...	—	...	—	1	...	—	...	1	1
Tinea Tonsurans .....	1	...	—	...	1	—	...	—	...	—	1
Tonsillitis .....	—	...	—	...	—	3	...	—	...	3	3

\* Secondary to Healed Tubercle, Surgical Operations, Burns, etc.

# SECONDARY SCHOOLS. TREATMENT OF DEFECTS, 1921.

Condition.	No. of defects for which treatment was considered necessary.		No. of defects for which no report is available.	Left School or Town.	No. of defects treated	RESULTS OF TREATMENT			No. of defects for which treatment was refused	Percentage of defects treated.	
	From previous year.	New.	Total.			Remedied	Improved	Unchanged		1921	1920
Tonsils and Adenoids .....	9	10	19	—	6	6	—	—	—	31.6	25.0
External Eye Disease .....	1	3	4	—	2	2	—	—	—	50.0	66.7
Ear Disease .....	2	2	4	—	1	—	1	—	—	25.0	—
*Permanent Carious Teeth.....	138	142	280	13	145	140	5	—	2	51.8	9.6
*Temporary Teeth Requiring Extraction.....	19	43	62	8	20	18	2	—	—	32.3	5.3
Vision and Squint .....	36	69	105	2	43	(a) 43	—	—	1	41.0	17.5
Hearing .....	12	32	44	4	15	14	1	—	—	34.1	21.4
Heart and Circulation .....	—	3	3	—	—	—	—	—	—	—	—
Bronchitis .....	—	2	2	—	1	—	1	—	—	50.0	—
Totals .....	217	306	523	27	233	223	10	—	3	44.6	13.4

(a) Proper spectacles supplied, or certified by the Ophthalmic Surgeon to be able to manage without them.

\* Cases found by School Dental Surgeon not included.



## METHODS EMPLOYED OR AVAILABLE FOR TREATMENT OF DEFECTS.

### THE WORK OF THE SCHOOL CLINICS.

#### DEFECTIVE VISION.

All cases of Defective Vision, including Squint, found at the Routine Inspection, were referred to the Ophthalmic Surgeon for further examination, as were also some cases discovered in other ways. During the course of the year there were 802 attendances at the Clinic, with the following results:—

Mydriatic given .....	245	
Glasses prescribed .....	190	
Glasses obtained .....	144	} 173
Can manage with present glasses .....	29	
Glasses not required .....	57	
External Eye Disease .....	281	
Strabismus .....	37	
Operation—cyst removed .....	1	
Treated by private Medical Practitioner ...	11	
Left school or town .....	19	
Refused treatment .....	19	

22 necessitous cases were assisted by the Education Committee. The Committee spent £2 19s. 6d. on the provision of spectacles, but of this sum £1 9s. 0d. was afterwards collected from the parents of the children concerned.

## TONSILS AND ADENOIDS.

Dr. Courtenay Yorke, the Committee's Nose and Throat Specialist, has continued his valuable work during the year 1921, with very satisfactory results.

Consultation Cases .....	176
Operation performed at Clinic .....	111
Operation not required .....	63
Treated by Private Doctor or Infirmary .....	11
Refused treatment .....	36
Left school or town .....	11

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During the year 176 cases were referred to me for examination, with symptoms suggesting tonsil and adenoid trouble. Of these 63 were found not to require operation, and of the remainder 111 were operated on. Very careful selection of cases for operation is made. Each child is thoroughly examined by me and the parent interviewed, and operation is declined unless the condition of the nose and throat and the symptoms complained of show it to be absolutely necessary. The operations are performed under gas, so that the children are exposed to practically no risk from anæsthetic, either at the time of operation or subsequently.

After operation the children are kept at the Clinic for a sufficient time to make sure that all hæmorrhage has ceased before they are allowed to go home. The children are visited in their homes the following day, and advice given regarding care of the general health and the regular practice of breathing exercises. During the year there were no untoward results and in the large majority of cases very definite improvements in health followed.

COURTENAY YORKE,

Hon. Surgeon to the Liverpool  
Stanley Hospital.

January 10th, 1922.



# CARIOUS TEETH.

## SCHOOL DENTAL SURGEON'S REPORT.

## ELEMENTARY SCHOOLS.

Month.	Schools Visited.	Children Examined.	Children Needing Treatment.	Appointments made.	Number Treated.		EXTRACTIONS			N2O	Gen.	Fillings.		Dressings	Scaling.	Oral Affections.	Root Treatment.	Impression Taken.	Total Teeth Treated.
					Reg.	Odd.	Temp.	Perm.	Local			Temp.	Perm.						
January .....	3	329	259	555	406	51	634	55	214	12	—	97	165	45	17	—	8	—	1004
February ...	1	379	317	519	395	57	569	51	263	4	—	43	241	56	12	—	2	—	962
March .....	4	1586	1305	504	378	41	584	48	298	14	—	73	255	41	9	—	1	—	1002
April .....	4	930	749	646	542	14	706	47	307	15	—	62	313	60	30	—	1	—	1189
May .....	1	355	266	596	427	41	661	44	249	21	—	166	158	30	11	3	—	—	1059
June .....	4	1059	929	443	378	22	396	30	155	5	—	92	185	51	18	6	—	1	754
July .....	2	175	35	300	244	31	307	40	143	9	2	30	78	15	4	1	—	—	470
August .....	1	636	523	123	123	—	135	18	60	—	—	13	36	5	4	—	—	—	207
September ...	2	488	389	680	658	—	749	70	244	12	1	123	333	49	14	8	1	—	1325
October .....	3	935	753	517	438	13	524	41	199	11	—	154	169	47	3	6	—	—	935
November ...	1	1074	797	580	518	2	439	73	147	20	1	100	244	53	6	11	3	1	912
December ...	2	174	112	545	406	3	414	41	143	5	—	97	132	28	7	21	—	—	712
TOTALS ...	28	*8120	6434	6008	4913	275	6118	558	2422	128	4	1050	2309	480	135	56	16	2	10531

\* These numbers include a few old cases examined at the Clinic.

	BOYS.						GIRLS.					
	Temporary Teeth.			Permanent Teeth.			Temporary Teeth.			Permanent Teeth.		
Teeth recorded	1677			14030			1557			14441		
	Sound.	Sav-able.	Un-sav-able.	Sound.	Sav-able.	Un-sav-able.	Sound.	Sav-able.	Un-sav-able.	Sound.	Sav-able.	Un-sav-able.
Charted..	1294	135	248	13332	565	133	1176	152	229	13515	741	185
Per-centage	77.2	8.1	14.8	95.0	4.0	0.9	75.5	9.8	14.7	93.6	5.1	1.3

The numbers in the above table refer only to children who received treatment at the Clinic.

The condition of the Children's mouths shows a marked improvement, attributable to the more frequent inspection and treatment, and also to the more general use of the tooth brush.



SCHOOL DENTAL SURGEON'S REPORT.      SECONDARY SCHOOLS.

Month.	Schools Visited	Children Examined.	Children Needing Treatment.	Appointments made.	Number Treated.		EXTRACTIONS			N2O	Gen.	FILLINGS		Pressings.	Scalings.	Oral Affections.	Root Treatment.	Impression Taken.	Total Teeth Treated.
					Reg.	Odd.	Temp.	Perm.	Local.			Temp.	Perm.						
January .....	...	3	...	39	...	34	18	5	12	3	...	2	25	6	4	...	...	...	56
February ...	...	2	...	32	...	29	4	9	6	5	...	...	26	4	1	...	...	...	43
March .....	...	3	...	21	...	22	6	10	10	3	...	...	11	4	...	...	...	...	31
April .....	...	1	...	6	...	3	...	1	1	...	...	...	...	1	...	...	...	...	2
May .....	...	1	...	7	...	7	...	...	...	...	...	1	2	3	...	...	1	...	7
June .....	...	...	...	5	...	5	...	2	1	1	...	...	1	3	...	...	...	...	6
July .....	...	...	...	6	...	6	...	1	1	...	...	...	3	3	...	...	...	...	7
August .....	...	...	...	2	...	2	...	1	1	...	...	...	1	...	...	...	...	...	2
September ...	...	...	...	4	...	4	...	1	1	...	...	...	...	...	...	3	...	...	4
October .....	1	169	125	54	50	2	22	4	6	...	...	...	44	9	5	...	...	4	79
November ...	1	85	56	43	38	...	1	5	3	2	...	...	33	11	1	2	...	...	52
December ...	...	3	...	33	32	1	10	19	16	3	...	...	13	6	...	1	...	...	49
TOTALS ...	2	*267	181	252	120	115	61	58	58	17	...	3	159	50	11	6	1	4	338

\* These numbers include a few odd cases examined at the Clinic.

	Schools Examined.	Children Examined.	Needing Treatment.	Permits Sent.	Permits Received	Appointments Made.
1920	— 17	..... 4851	..... 4254	..... 4211	..... 1796	..... 4648
1921	— 28	..... 8120	..... 6434	..... 6098	..... 2997	..... 6008

		EXTRACTIONS.						ANÆSTHETICS.			
		Treated.			Total	Perma-	Tempo-		Local.	N <sub>2</sub> O.	General
		Med.	Den.	...	Number.	nent.	rary.	...			
1920	—	1492	2222	...	5724	532	5192	...	3885	190	0
1921	—	275	4913	...	6676	558	6118	...	2422	128	4

		Fillings.		Dressings.	Scaling.	Oral Aff.	Root Treatment.	Impres- sions.					
1920	—	2211		...	225	...	20	...	0	...	0		
		Temp.	Perm.										
1921	—	1050	2309	...	480	...	135	...	56	...	16	...	2

In comparing the figures for the year 1921 with those of 1920, it is found that the larger number of schools examined has resulted in an increase of 67% in the number of children examined. A very noticeable outcome of this is the marked decrease in the number of those cases which it is found necessary to send to the clinic as a result of the **Medical** examination of the schools.

It will be noticed that a much smaller percentage of the children examined required treatment.

Permits to attend to the children have increased by 67%, so, the service is becoming more popular.

The number of fillings has increased by 50%.

The number of permanent teeth extracted shows a very slight increase over the figures for 1920, viz., 532, and this, when viewed in conjunction with the greatly increased number of children examined, is a source of satisfaction, as the conservation of the permanent teeth is a matter of vital importance.

## SECONDARY SCHOOLS.

Two of the Secondary Schools were inspected during the year 1921:— 248 children being examined; 181 needing treatment, 181 permits sent, and 45 permits returned.

Appointments.	Treated.		Extractions.				Fillings.	
	Med.	Den.	Temp.	Perm.	Local.	N <sub>2</sub> O.	Temp.	Perm.
252	115	120	61	58	58	17	3	159
			Dressings.	Scaling.	Exam. Special.	Oral Aff.	Impressions.	Root Treatment.
			50	11	19	6	4	1



## TREATMENT OF TUBERCULAR GLANDS BY THE "X-RAYS."

Since commencement of this treatment in 1920, seven children were sent for treatment. Of these two attended on four occasions only, and probably received little benefit from so short a course. Of the remaining five, three were completely cured, one was almost cured when last seen and probably recovered completely, while the fifth, though much improved, is not completely cured.

These numbers are not sufficient to draw conclusions from as to the percentage of cures that may be expected, but they indicate the value of the "X-Rays" as Therapeutic agents.

## "X-RAY" TREATMENT OF THE SCALP.

Ten children received treatment, and in most cases were free from infection and fit to attend school within five weeks from the date of treatment. This form of treatment presents many advantages over the older methods of treatment by ointments and should be more fully used.

W. ORAM, M.D., D.P.H.

## VACCINE TREATMENT.

Mixed Streptococcal and Staphylococcal vaccines have been used with very satisfactory results in the treatment of Septic Sores, both primary and mixed infection following Scabies.

ACNE VACCINE (Autogenous) has returned good results in several cases appearing in puberty.

During the last twelve months a few cases of Congenital Skin lesions (Syphilides) have been found and treated accordingly, with satisfactory results.

## MINOR AILMENTS.

### (1) ATTENDANCES AT MINOR AILMENT AND SKIN CLINICS (PHYSICIAN AND DERMATOLOGIST).

(Attendances counted, not individual children).

Abdominal Pain .....	1	Burn .....	6
Abscess .....	18	Cardiac Disease .....	16
Acne .....	8	Catarrh .....	47
Adenitis .....	40	Cellulitis .....	4
Adventitious Bursa .....	1	Cheiropompholyx .....	1
Alopecia Areata .....	5	Chicken Pox .....	39
Anæmia .....	42	Chilblains .....	11
Ascaris Lumbricoides .....	5	Chorea .....	5
Asthma .....	2	Constipation .....	6
Bronchial Catarrh .....	12	Corn .....	2
Bronchial Pneumonia .....	1	Cough .....	37
Bronchitis .....	13	Croup .....	1
Bruise .....	4	Cuts .....	18

Debility .....	111
Dermatitis .....	34
Deviation of Septum .....	1
Diarrhœa .....	11
Diphtheria .....	2
Dog Bite .....	4
Doubtful Chest .....	2
Dyspepsia .....	5
Earache .....	2
Eczema .....	67
Enuresis .....	1
Erythema .....	6
Erythema Nodosum .....	1
Erythema Multiforma .....	1
Examined re N <sub>2</sub> O.....	114
Examined re Physical Training .....	10
Examined re Secondary Schools .....	85
Examined and Weighed re Free Meals .....	108
External Eye Disease .....	47
Favus .....	4
Flat Foot .....	3
Flea bites .....	2
Furunculosis .....	11
Ganglion .....	4
Gastric Catarrh .....	3
"Grey Hair" .....	3
Hæmatoma .....	1
"Healthy" .....	65
Hearing, defective .....	44
Herpes .....	3
Hodgkin's Disease .....	1
Hutchinson's teeth .....	7
Ichthyosis .....	5
Impetigo .....	382
Indigestion .....	1
Infantile Paralysis .....	1
?Influenza .....	1
Insect Bites .....	1
Iritis .....	2
Kyphosis .....	1
Laryngitis .....	5
Measles .....	1
?Measles .....	1
Megrim .....	3
Muscular Rheumatism ....	1
Nævus .....	1
Nasal Discharge .....	2
Ophthalmia Neonatorum ...	1
Oral Sepsis .....	1
Otitis Media .....	9
Otorrhœa .....	81

Oxyuris Vermicularis .....	13
Pain .....	2
Paralysis .....	1
Parotitis .....	49
Petit Mal .....	3
Pharyngitis .....	26
Phimosis .....	1
Pleurisy .....	1
Polypus .....	1
Post Influenzal Catarrh ....	3
Potts Disease .....	2
Psoriasis .....	1
Pyorrhœa .....	1
Pyrexia .....	14
Rash .....	5
Recent Chicken Pox .....	2
" Diphtheria .....	13
" Measles .....	5
" Scarlet Fever .....	99
" Typhoid Fever .....	5
" Whooping Cough .....	4
Rheumatism .....	13
Rhinitis .....	3
Scabies .....	495
Scald .....	5
Scarlet Fever .....	2
Scratch .....	1
Sebaceous Cyst .....	2
Seborrhœa .....	59
Sores .....	265
Sore Throat .....	7
Sprain .....	13
"Swallowed a Coin" .....	1
Syncope .....	1
Teeth, defective .....	14
Tinea Tonsurans .....	590
Tonsils and Adenoids, enlarged .....	67
Tonsillitis .....	22
Torticollis .....	2
Tubercular Glands .....	1
?Tubercular Peritonitis .....	5
Umbilical Hernia .....	2
Urticaria .....	21
Vermineous .....	8
Verruca Acuminata .....	2
Vision, defective .....	40
Warts .....	5
Weak Ankles .....	2
Whooping Cough .....	24
Total .....	3531
Total (1920) .....	2448



(II.) CASES ATTENDED TO BY SCHOOL NURSE AT CLINIC.  
(Not included in above table).

(Attendances counted, not individual children)

Abscess .....	48	Ichthyosis .....	1
Acne Vulgaris .....	1	Impetigo .....	1641
Adenitis .....	13	Massage treatment .....	9
Alopecia Areata .....	2	Nits .....	2
Anæmia .....	2	Otitis Media .....	10
Bruise .....	12	Otorrhœa .....	643
Burn .....	14	Pain .....	3
Catarrh .....	4	Parotitis .....	4
?Chicken Pox .....	3	Petit Mal .....	8
Chilblains .....	33	Pharyngitis .....	12
Chorea .....	3	Psoriasis .....	1
Corn .....	1	Pyrexia .....	2
Cough .....	1	Rash .....	15
Cuts .....	97	Recent Scarlet Fever .....	17
Debility .....	6	Rheumatism .....	1
Dermatitis .....	22	Rhinitis .....	4
Diarrhœa .....	1	Scabies .....	197
Dog bite .....	6	Scald .....	20
Dyspepsia .....	1	Seborrhœa .....	39
Earache .....	6	Sores .....	1506
Eczema .....	8	Sore Throat .....	15
Erythema .....	1	Sprain .....	12
Erythema Nodosum .....	1	Sprained Thumb .....	2
Examined re Physical		Tinea Tonsurans .....	159
Training .....	6	Tonsillitis .....	17
Examined and Weighed re		Verminous .....	7
Free Meals .....	344	Verruca Acuminata .....	8
External Eye Disease .....	103	Vision, defective .....	872
Flat Foot .....	8	Warts .....	27
Furunculosis .....	63	Whooping Cough .....	2
Ganglion .....	11		
Hearing, defective .....	286	Total .....	6363

The "FOLLOWING-UP" RETURN (Page ) shows the amount of treatment effected during the year for various Diseases and Defects.

NURSES' VISITS TO SCHOOLS AND HOMES.

	Cases Visited.			Cases Visited	
	At School.	At Home.		At School.	At Home.
Abscess .....	—	2	Rickets .....	1	1
Anæmia .....	—	2	Ringworm .....	3	32
Bronchitis .....	2	24	Scabies .....	18	101
Clothing and			Sepsis .....	1	7
Footgear .....	50	20	Speech .....	1	5
Dirty Body .....	96	54	Teeth .....	958	1863
Eczema .....	3	2	Tonsils and Adenoids	100	382
Eye Trouble .....	27	55	Verminous .....	49	305
Glands .....	23	40	Vision .....	251	468
Hearing .....	71	213	Miscellaneous .....	75	181
Heart .....	11	23			
Impetigo .....	21	41			
Lupus .....	2	—	Total No. of		
Malnutrition .....	3	2	Visits .....	2822	4012
Nits .....	1076	149			
Otorrhœa .....	35	37	Total No. of		
Phthisis .....	2	63	Visits, 1920 ...	1848	4466

Two or more defects are frequently present in the same child.

# INSPECTIONS UNDER THE CHILDREN ACT, 1908:—

In 1921 .....	27,128
In 1920 .....	23,691

The following is an analysis of the condition of children's heads inspected in 1921 under the Children Act:—

	Boys.	Girls.	Totals.
Clean .....	6463—79.1 ...	9462—49.9 ...	15925—58.7
Nits .....	1679—20.6 ...	9236—48.7 ...	10915—40.2
Verminous .....	26— 0.3 ...	262— 1.4 ...	288— 1.3

The average condition of the heads can be seen from the result of inspection under the Education (Ad. Prov.) Act 1907, see page 12 and Table B. The results given here are due to re-inspections of children known to require constant supervision

## LIST OF ELEMENTARY SCHOOLS CLOSED DURING 1921.

School.	Dept.	Date of closure.	Period of closure.	Cause.
St. Philip's C.E. ....	Whole School ...	Feb. 26.....	14 days.....	Measles.
Holy Trinity C.E. ....	Infants .....	April 5.....	13 „ .....	„
S.S. Simon & Jude's ...	„ .....	„ .....	13 „ .....	„
St. Luke's C.E.....	Whole School ...	„ .....	13 „ .....	„
S.S. Simon & Jude's ...	Infants .....	April 18.....	14 „ .....	„
All Saints' C.E. ....	„ .....	„ 27.....	12 „ .....	„
All Saints' C.E. ....	„ .....	May 9.....	7 „ .....	„
Linaker St. Council ...	„ .....	„ 24.....	13 „ .....	„
St. Teresa's R.C. ....	„ .....	June 13.....	14 „ .....	„
Birkdale Council .....	„ .....	„ 16.....	18 „ .....	„
St. Teresa's R.C. ....	„ .....	„ 27.....	14 „ .....	„
Birkdale Council .....	„ .....	July 4.....	14 „ .....	„
Ainsdale C.E. ....	Whole School ...	Sept. 19.....	21 „ .....	Whooping Cough.
Blowick C.E. ....	Infants .....	Oct. 13.....	21 „ .....	„
St. Luke's C.E.....	Whole School ...	Dec. 17.....	7 „ .....	„



# NOTIFICATIONS OF INFECTIOUS DISEASE.

	Affecting the School Children only.				All cases in the area.		
	1919	1920	1921		1919*	1920	1921
†Measles .....	46	275	553	...	152	550	939
Scarlet Fever .....	54	93	40	...	118	203	132
Chicken Pox .....	79	215	214	...	256	435	414
Diphtheria .....	32	20	56	...	66	44	111
Whooping Cough .....	31	110	61	...	75	265	296

Excluding Military Cases.

† Including Rubella.

## EXCLUDED UNDER SECTION 53 (b) OF THE CODE.

Chicken Pox .....	35
Congenital Cerebral Diplegia .....	1
Measles .....	1
Parotitis .....	22
Ringworm .....	99
Scabies .....	89
Scarlet Fever .....	2
Verminous .....	233
Whooping Cough .....	13

## DEFECTIVE AND EPILEPTIC CHILDREN.

### CHILDREN IN SPECIAL SCHOOLS.

Royal School for the Deaf and Dumb, Old Trafford, Manchester.....	3 girls.
Royal School for the Deaf and Dumb, Old Trafford, Manchester .....	1 boy.
St. Elizabeth's R.C. School, Much Hadham, Herts .....	1 girl.
School for the Blind, Wavertree .....	1 boy.
Royal Albert Asylum, Lancaster .....	1 boy.
Children's Convalescent Home, West Kirby .....	4 boys and 3 girls.
Leasowe Hospital .....	1 girl.

	Boys.	Girls.	Total.
Total number of children in Special Schools ...	7	8	15

TABLE III. on Pages 39 and 40 is a survey of all the known Defective Children in the Area of the Authority.

## CHILDREN IN INDUSTRIAL SCHOOLS.

St. Joseph's R.C. Industrial School, Longsight, Manchester .....	1 boy.
Shadwell Industrial School, Leeds .....	4 boys.
Wellesley Nautical School, Links Road, Blythe, Northumberland ...	1 boy.
York Industrial School for Boys, Marygate .....	5 boys.
Green's Home, South Shields .....	1 boy.
Shipton Church of England Home for Waifs and Strays .....	1 girl.

	Boys.	Girls.	Total.
Total number of children in Industrial Schools ...	12	1	13

## MISCELLANEOUS WORK.

Examined and Passed:—

For Secondary School .....	62
For Gymnastics and Out-door Games .....	61
For Industrial Schools .....	2
For Special Schools .....	1

## FEEDING OF NECESSITOUS SCHOOL CHILDREN.

### SEASON 1920-21.

- 1.—Feeding commenced on the 13th December, 1920.
- 2.—Birkdale Boundary Street Mission Centre opened week beginning 13th December, and closed 25th March = 15 weeks (not including holidays).  
  
Birkdale St. John's Centre opened week beginning 27th December, and closed on the 22nd July = 28 weeks (not including holidays).  
  
Churchtown Centre opened week beginning 27th December, and closed on the 25th March = 13 weeks (not including holidays).  
  
Crossens Centre opened week beginning 27th December, and closed on the 1st July = 25 weeks (not including holidays).  
  
High Park Centre opened week beginning 20th December, and closed on the 22nd July = 29 weeks.



3.—Total number of meals provided = 25331.

4.—Number of individual children fed =  $\left. \begin{array}{l} \text{Lowest 61.} \\ \text{Highest 346.} \end{array} \right\}$

5.—Cost—	£	s.	d.
Food .....	949	18	3
Caretakers .....	23	10	0
Cutlery and Crockery .....	9	14	9
Hire of rooms, fuel, etc. ....	17	8	1
	<hr/>		
	£1,000	1	0
	<hr/>		

NUMBER OF CHILDREN IN RESPECT OF WHOM DIRECTIONS  
WERE GIVEN FOR TREATMENT OF DEFECTS (AT THE  
ROUTINE INSPECTION):—

Adenitis .....	10
Anæmia .....	26
Bronchial Catarrh .....	20
Bronchitis .....	8
Cardiac Disease .....	4
Catarrh .....	3
Chilblains .....	1
Constipation .....	1
Cyst .....	1
Dyspepsia .....	1
Eczema .....	9
External Eye Disease .....	13
Furunculosis .....	2
Gastric Catarrh .....	1
Otorrhœa .....	21
Parasitic Diseases .....	7
Rheumatism .....	2
Scald .....	1
Sores .....	2
Tonsillitis .....	10
	<hr/>
	143
	<hr/>

(Directions also given to numerous cases of nits).

ELEMENTARY SCHOOLS, SEPARATE AGES. TABLE B.

	BOYS.								GIRLS.								GRAND TOTAL.	
	Leaving.		Age 8.		Infants.		Total.		Leaving.		Age 8.		Infants.		Total.			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Number Listed for Inspection .....	723	—	523	—	340	—	1586	—	528	—	563	—	321	—	1412	—	2998	—
Number Actually Inspected .....	690	95.4	498	95.2	293	86.2	1481	93.4	479	90.7	528	93.8	285	88.8	1292	91.5	2773	92.5
Parent Present .....	52	7.5	149	29.9	145	49.5	346	23.4	88	18.4	193	36.6	155	54.4	436	33.7	782	28.2
Parent Refused Inspection .....	6	0.8	8	1.5	7	2.1	21	1.3	15	2.8	7	1.2	4	1.2	26	1.8	47	1.6
Had Measles .....	468	67.8	310	62.2	154	52.6	932	62.9	375	78.3	346	65.5	158	55.4	879	68.0	1811	65.3
Whooping Cough .....	250	37.5	148	29.7	62	21.2	469	31.7	195	40.7	176	33.3	70	24.6	441	34.1	910	32.8
Chicken Pox .....	174	25.2	108	21.7	48	16.4	330	22.2	144	30.1	124	23.5	45	15.8	313	24.2	643	23.2
Scarlet Fever .....	61	8.8	24	4.8	6	2.0	91	6.1	61	12.7	39	7.4	4	1.4	104	8.0	195	7.0
Diphtheria .....	25	3.6	5	1.0	1	—	31	2.1	10	2.1	7	1.3	1	—	18	1.4	49	1.8
Mumps .....	31	4.5	7	1.4	—	—	38	2.6	28	5.8	3	0.6	5	1.8	36	2.8	74	2.7
(a), Other Serious Disease .....	9	1.3	7	1.4	3	1.0	19	1.3	3	0.6	3	0.6	3	1.1	9	0.7	28	1.0
Unvaccinated .....	315	45.7	337	67.7	214	73.0	866	58.5	206	43.0	360	68.2	195	68.4	761	58.9	1627	58.7
Said to have been Vaccinated, but have no marks, returned as Vaccinated .....	—	—	1	—	—	—	1	—	2	0.4	1	—	—	—	3	0.2	4	0.1
Attend School Irregularly .....	6	0.9	2	0.4	12	4.1	20	1.4	7	1.5	10	1.9	13	4.6	30	2.3	50	1.8
Unsatisfactory Clothing .....	2	0.3	4	0.8	1	—	7	0.5	—	—	4	0.8	—	—	4	0.3	11	0.4
Unsatisfactory Footgear .....	17	2.5	15	3.0	4	1.4	36	2.4	7	1.5	16	3.0	—	—	23	1.8	59	2.1
Defective Nutrition .....	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1	—	1	—
Nits in the hair .....	60	8.7	51	10.2	28	9.6	139	9.4	211	44.1	203	38.4	81	28.4	495	38.3	634	22.9
Bodies Dirty .....	2	0.3	2	0.4	1	—	5	0.3	1	—	1	—	—	—	2	0.2	7	0.3
*Permanent Carious Teeth .....	129	18.7	25	5.0	—	—	154	13.0	90	18.8	29	5.5	—	—	119	11.8	273	12.4
*Temporary Teeth requiring Extraction .....	122	17.7	178	35.7	—	—	300	25.3	83	17.3	188	35.6	—	—	271	26.9	571	26.0
Enlarged Tonsils and Adenoids .....	74	10.7	78	15.7	81	27.6	233	15.7	48	10.0	91	17.2	67	23.5	206	15.9	439	15.8
Glands in the Neck .....	125	18.1	136	27.3	81	27.6	342	23.1	64	13.4	105	19.9	69	24.2	238	18.4	580	20.9
(a) External Eye Disease .....	15	2.2	20	4.0	15	5.1	50	3.4	9	1.9	18	3.4	7	2.5	34	2.7	84	3.0
*Defective Vision .....	63	9.1	39	7.8	—	—	102	8.6	56	11.7	37	7.0	—	—	93	9.2	195	8.9
Otorrhœa .....	9	1.3	2	0.4	7	2.4	18	1.2	5	1.0	5	0.9	2	0.7	12	0.9	30	1.1
Defective Hearing .....	75	10.9	55	11.0	26	8.9	156	10.5	47	9.8	54	10.2	21	7.4	122	9.4	278	10.0
(a) Speech Defects .....	5	0.7	4	0.8	—	—	9	0.6	2	0.4	—	—	2	0.7	4	0.3	13	0.5
(a) Cardiac Disease .....	3	0.4	1	—	—	—	4	0.3	5	1.0	4	0.8	1	—	10	0.8	14	0.5
(a) Lung Disease .....	6	0.9	11	2.2	14	4.8	31	2.1	1	—	5	0.9	6	2.1	12	0.9	43	1.6
(a) Nervous Disease .....	1	—	1	—	—	—	2	0.1	2	0.4	2	0.4	—	—	4	0.3	6	0.2
(a) Tuberculosis (not Lungs or Glands) .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
(a) Rickets .....	10	1.4	9	1.8	6	2.0	25	1.7	2	0.4	1	—	—	—	3	0.2	28	1.0
(a) Deformities .....	8	1.2	2	0.4	1	—	11	0.7	8	1.7	7	1.3	1	—	16	1.2	27	1.0
(a) Other Disease or Defect .....	121	17.5	93	18.7	39	13.3	253	17.1	84	17.5	107	20.3	35	12.3	226	17.5	479	17.3
Attend Sunday School .....	538	78.0	277	55.6	93	31.7	908	61.3	365	76.2	307	58.1	106	37.2	778	60.2	1686	60.8
Attend Extra Classes (indoor) .....	92	13.3	2	0.4	—	—	94	6.3	24	5.0	4	0.8	—	—	28	2.3	122	4.4
Members of Boys' Brigades .....	9	1.3	—	—	—	—	9	0.6	—	—	—	—	—	—	—	—	9	0.3
Boy Scouts .....	14	2.0	—	—	—	—	14	0.9	—	—	—	—	—	—	—	—	14	0.5
Attend Swimming, Gymnasium, or other Physical Training, not included above, out of School .....	1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	1	—
Doing paid work } 1—In a Trade .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
out of School: } 2—Errands and the like .....	1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	1	—
Family History of Tuberculosis .....	5	0.7	5	1.0	3	1.0	13	0.9	9	1.9	6	1.1	3	1.1	18	1.4	31	1.1
Sleeping four, or more, in one room .....	102	14.8	62	12.4	48	16.4	212	14.2	84	17.5	95	18.0	35	12.3	214	16.6	426	15.4
Sleeping with window closed .....	167	24.2	91	18.3	31	10.6	289	19.5	87	18.2	94	17.8	24	8.4	205	15.9	494	17.8

(a) See Table C. \* Children younger than 6 years not included in these percentages.

In this Table, and in Table C, an infant means a child under the age of 6. Percentages are calculated on the number actually inspected, except in the cases of "Number actually inspected," and "Parent refused inspection," which are calculated on the number listed for inspection.



# ELEMENTARY SCHOOL

NAME	AGE	SEX	DATE OF BIRTH	DATE OF ENTRY	DATE OF DEPARTURE	REMARKS
1	6	M	1910	1910	1910	
2	6	F	1910	1910	1910	
3	6	M	1910	1910	1910	
4	6	F	1910	1910	1910	
5	6	M	1910	1910	1910	
6	6	F	1910	1910	1910	
7	6	M	1910	1910	1910	
8	6	F	1910	1910	1910	
9	6	M	1910	1910	1910	
10	6	F	1910	1910	1910	
11	6	M	1910	1910	1910	
12	6	F	1910	1910	1910	
13	6	M	1910	1910	1910	
14	6	F	1910	1910	1910	
15	6	M	1910	1910	1910	
16	6	F	1910	1910	1910	
17	6	M	1910	1910	1910	
18	6	F	1910	1910	1910	
19	6	M	1910	1910	1910	
20	6	F	1910	1910	1910	
21	6	M	1910	1910	1910	
22	6	F	1910	1910	1910	
23	6	M	1910	1910	1910	
24	6	F	1910	1910	1910	
25	6	M	1910	1910	1910	
26	6	F	1910	1910	1910	
27	6	M	1910	1910	1910	
28	6	F	1910	1910	1910	
29	6	M	1910	1910	1910	
30	6	F	1910	1910	1910	
31	6	M	1910	1910	1910	
32	6	F	1910	1910	1910	
33	6	M	1910	1910	1910	
34	6	F	1910	1910	1910	
35	6	M	1910	1910	1910	
36	6	F	1910	1910	1910	
37	6	M	1910	1910	1910	
38	6	F	1910	1910	1910	
39	6	M	1910	1910	1910	
40	6	F	1910	1910	1910	
41	6	M	1910	1910	1910	
42	6	F	1910	1910	1910	
43	6	M	1910	1910	1910	
44	6	F	1910	1910	1910	
45	6	M	1910	1910	1910	
46	6	F	1910	1910	1910	
47	6	M	1910	1910	1910	
48	6	F	1910	1910	1910	
49	6	M	1910	1910	1910	
50	6	F	1910	1910	1910	
51	6	M	1910	1910	1910	
52	6	F	1910	1910	1910	
53	6	M	1910	1910	1910	
54	6	F	1910	1910	1910	
55	6	M	1910	1910	1910	
56	6	F	1910	1910	1910	
57	6	M	1910	1910	1910	
58	6	F	1910	1910	1910	
59	6	M	1910	1910	1910	
60	6	F	1910	1910	1910	
61	6	M	1910	1910	1910	
62	6	F	1910	1910	1910	
63	6	M	1910	1910	1910	
64	6	F	1910	1910	1910	
65	6	M	1910	1910	1910	
66	6	F	1910	1910	1910	
67	6	M	1910	1910	1910	
68	6	F	1910	1910	1910	
69	6	M	1910	1910	1910	
70	6	F	1910	1910	1910	
71	6	M	1910	1910	1910	
72	6	F	1910	1910	1910	
73	6	M	1910	1910	1910	
74	6	F	1910	1910	1910	
75	6	M	1910	1910	1910	
76	6	F	1910	1910	1910	
77	6	M	1910	1910	1910	
78	6	F	1910	1910	1910	
79	6	M	1910	1910	1910	
80	6	F	1910	1910	1910	
81	6	M	1910	1910	1910	
82	6	F	1910	1910	1910	
83	6	M	1910	1910	1910	
84	6	F	1910	1910	1910	
85	6	M	1910	1910	1910	
86	6	F	1910	1910	1910	
87	6	M	1910	1910	1910	
88	6	F	1910	1910	1910	
89	6	M	1910	1910	1910	
90	6	F	1910	1910	1910	
91	6	M	1910	1910	1910	
92	6	F	1910	1910	1910	
93	6	M	1910	1910	1910	
94	6	F	1910	1910	1910	
95	6	M	1910	1910	1910	
96	6	F	1910	1910	1910	
97	6	M	1910	1910	1910	
98	6	F	1910	1910	1910	
99	6	M	1910	1910	1910	
100	6	F	1910	1910	1910	

## SPECIAL CASES SEEN BY SCHOOL MEDICAL OFFICER AT SCHOOL.

Accident .....	2	Impetigo .....	4
Adenitis .....	5	Malnutrition .....	1
Anæmia .....	2	Otorrhœa .....	1
Backward children .....	25	Phthisis .....	2
Cardiac disease .....	3	Scabies .....	4
Defective hearing .....	1	Teeth .....	4
Defective speech .....	1	Other Disease or Defect ...	5
Defective vision .....	17	Not definitely specified ....	9
Dirty body .....	2		
Enlarged tonsils and adenoids .....	8	Total .....	97
Eye trouble .....	1		

Also a number of children for additional food.

## MISCELLANEOUS.

A Course of Physical Training is being given to about 10 children specially requiring it, by Mr. A. Alexander, of the Southport Physical Training College, to their very great advantage.

One child with Phthisis was treated during the year at the Corporation Hospital. Seven cases received treatment in the Children's Convalescent Home, West Kirby, with very satisfactory results. The periods of treatment being as follows:—

- One child—six months.
- Three children—four months.
- Three children—under four months.

The National Society for the Prevention of Cruelty to Children has been occasionally invoked, and its efforts are successful in securing alleviation in certain refractory cases.

## ACTION TAKEN TO DETECT AND PREVENT THE SPREAD OF INFECTIOUS DISEASE.

The practice of having all children who have suffered from Scarlet Fever examined by the School Medical Officer before their return to School has been continued; since it was begun no School within the area of the Authority has required closure on account of an outbreak of Scarlet Fever.

## REPORTED TO MEDICAL OFFICER OF HEALTH FROM SCHOOL CLINICS:—

Chicken Pox .....	32
Measles .....	1
Ophthalmia Neonatorum .....	1
Scarlet Fever .....	2
Whooping Cough .....	13



# **ELEMENTARY SCHOOLS, SEPARATE AGES. TABLE C.**

The less frequent ailments, past and present; and a classification of various Diseases and Defects.

	BOYS.				GIRLS.				Grand Total No.							
	Leaving	Age 8	Infants	Total	Leaving	Age 8	Infants	Total								
NUMBER INSPECTED .....	690	...	498	...	293	...	1481	479	...	528	...	285	...	1292	2773	...
OTHER SERIOUS DISEASE .....	9	...	7	...	3	...	19	3	...	3	...	3	...	9	28	...
Appendicitis .....	2	...	2	...	—	...	4	—	...	—	...	—	...	—	4	...
Bronchitis .....	3	...	2	...	1	...	6	—	...	2	...	—	...	2	8	...
Rheumatic Fever .....	1	...	2	...	—	...	3	2	...	—	...	—	...	2	5	...
Rheumatism .....	2	...	1	...	—	...	3	1	...	—	...	2	...	3	6	...
Tuberculous Glands .....	—	...	—	...	1	...	1	—	...	—	...	—	...	—	1	...
Typhoid Fever .....	1	...	—	...	1	...	2	—	...	1	...	1	...	2	4	...
EXTERNAL EYE DISEASE .....	15	...	20	...	15	...	50	9	...	18	...	7	...	34	84	...
Blepharitis .....	2	...	9	...	3	...	14	1	...	8	...	—	...	9	23	...
Coloboma Iris .....	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...
Congenital Ptosis .....	1	...	1	...	1	...	3	—	...	—	...	—	...	—	3	...
Conjunctivitis .....	1	...	1	...	1	...	3	1	...	1	...	—	...	2	5	...
Corneal Opacity .....	—	...	1	...	—	...	1	1	...	—	...	—	...	1	2	...
Corneal Ulcer .....	—	...	—	...	—	...	—	—	...	—	...	1	...	1	1	...
Hordeolum .....	—	...	1	...	—	...	1	—	...	1	...	—	...	1	2	...
Myopia .....	2	...	—	...	—	...	2	—	...	—	...	—	...	—	2	...
Nystagmus .....	—	...	—	...	2	...	2	—	...	—	...	—	...	—	2	...
Strabismus .....	9	...	7	...	8	...	24	6	...	7	...	6	...	19	43	...
SPEECH DEFECTS .....	5	...	4	...	—	...	9	2	...	—	...	2	...	4	13	...
Defective Articulation .....	1	...	4	...	—	...	5	1	...	—	...	1	...	2	6	...
Nasal Speech .....	—	...	—	...	—	...	—	1	...	—	...	—	...	1	1	...
Stammer .....	4	...	—	...	—	...	4	—	...	—	...	1	...	1	5	...
CARDIAC DISEASE .....	3	...	1	...	—	...	4	5	...	4	...	1	...	10	14	...
Arrhythmia .....	1	...	—	...	—	...	1	1	...	1	...	—	...	2	3	...
Mitral Regurgitation .....	2	...	1	...	—	...	3	4	...	3	...	1	...	8	11	...
LUNG DISEASE .....	6	...	11	...	14	...	31	1	...	5	...	6	...	12	43	...
Bronchial Catarrh .....	2	...	7	...	13	...	22	—	...	4	...	6	...	10	32	...
Bronchitis .....	4	...	4	...	1	...	9	1	...	1	...	—	...	2	11	...
NERVOUS DISEASE .....	1	...	1	...	—	...	2	2	...	2	...	—	...	4	6	...
Ataxia .....	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...
Grand Mal .....	—	...	—	...	—	...	—	1	...	—	...	—	...	1	1	...
Hydrocephalus .....	—	...	—	...	—	...	—	1	...	—	...	—	...	1	1	...
Infantile Paralysis .....	1	...	1	...	—	...	2	—	...	—	...	—	...	—	2	...
" Nervous " .....	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...
TUBERCULOSIS.....	—	...	—	...	—	...	—	—	...	—	...	—	...	—	—	...
RICKETS .....	10	...	9	...	6	...	25	2	...	1	...	—	...	3	28	...
Curved Tibia .....	1	...	—	...	—	...	1	—	...	—	...	—	...	—	1	...
Pigeon Breast .....	9	...	9	...	6	...	24	2	...	1	...	—	...	3	27	...



**ELEMENTARY SCHOOLS, SEPARATE AGES. TABLE C—Continued.**

	BOYS.				GIRLS.				Grand Total								
	Leaving	Age 8	Infants	Total	Leaving	Age 8	Infants	Total	No.	%							
NUMBER INSPECTED .....	690	...	498	...	293	...	1481	479	...	528	...	285	...	1292	2773	...	—
DEFORMITIES .....	8	...	2	...	1	...	11	8	...	7	...	1	...	16	27	...	1.0
Cleft Palate .....	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
Dome-shaped Palate .....	2	...	—	...	—	...	2	—	...	—	...	—	...	—	2	...	0.
Epicanthic Folds .....	—	...	—	...	—	...	—	—	...	1	...	1	...	2	2	...	0.1
Flat Chest .....	2	...	1	...	—	...	3	3	...	—	...	—	...	3	6	...	0.2
Flat-foot .....	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
Kyphosis .....	1	...	—	...	1	...	2	—	...	—	...	—	...	—	2	...	0.1
Persistent Branchial Cleft .....	1	...	—	...	—	...	1	—	...	—	...	—	...	—	1	...	—
Talipes .....	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
Talipes Eq. Varus .....	2	...	—	...	—	...	2	—	...	—	...	—	...	—	2	...	0.1
Torticollis .....	—	...	—	...	—	...	—	1	...	—	...	—	...	1	1	...	—
Scoliosis .....	—	...	1	...	—	...	1	4	...	3	...	—	...	7	8	...	0.3
OTHER DISEASE OR DEFECT ...	121	...	93	...	39	...	253	84	...	107	...	35	...	326	479	...	17.3
Abrasion .....	—	...	—	...	—	...	—	—	...	—	...	1	...	1	1	...	—
Acne Vulgaris .....	—	...	—	...	—	...	—	2	...	—	...	—	...	2	2	...	0.1
Anaemia .....	4	...	1	...	2	...	7	15	...	8	...	1	...	24	31	...	1.1
Aural Polypus .....	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
Bifurcated Uvula .....	1	...	—	...	—	...	1	1	...	2	...	—	...	3	4	...	0.1
Cerumen .....	64	...	40	...	16	...	120	35	...	45	...	18	...	98	218	...	7.5
Chilblains .....	1	...	—	...	—	...	1	—	...	—	...	—	...	—	1	...	—
Chorea.....	—	...	1	...	—	...	1	—	...	—	...	—	...	—	1	...	—
Constipation .....	—	...	1	...	—	...	1	—	...	—	...	1	...	1	2	...	0.1
Cysts .....	1	...	—	...	—	...	1	—	...	—	...	—	...	—	1	...	—
Cyst, left tonsil .....	1	...	—	...	—	...	1	—	...	—	...	—	...	—	1	...	—
Discharge from crypt of tonsil ...	1	...	—	...	—	...	1	1	...	—	...	—	...	1	2	...	0.1
Dyspepsia .....	—	...	—	...	—	...	—	1	...	—	...	—	...	1	1	...	—
Eczema .....	3	...	1	...	2	...	6	2	...	2	...	1	...	5	11	...	0.4
Enlarged Thyroid .....	—	...	—	...	—	...	—	4	...	2	...	—	...	6	6	...	0.2
Enuresis .....	1	...	1	...	—	...	2	—	...	1	...	—	...	1	3	...	0.1
Erythema .....	—	...	1	...	—	...	1	—	...	—	...	—	...	—	1	...	—
Fibroma (small) .....	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
Furunculosis .....	1	...	2	...	—	...	3	—	...	1	...	—	...	1	4	...	0.1
Ganglion .....	—	...	—	...	—	...	—	1	...	—	...	—	...	1	1	...	—
Gastric catarrh (slight) .....	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
Greenstick fracture .....	—	...	—	...	—	...	—	1	...	1	...	—	...	2	2	...	0.1
Impetigo .....	4	...	7	...	5	...	16	—	...	7	...	1	...	8	24	...	0.9
Megrim .....	1	...	1	...	—	...	2	3	...	3	...	—	...	6	8	...	0.3
Naevus .....	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
Nasal Catarrh .....	—	...	1	...	—	...	1	—	...	—	...	—	...	—	1	...	—
Nasal Polypi .....	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
Otitis Media .....	6	...	4	...	2	...	12	3	...	6	...	—	...	9	21	...	0.8
Parasitic Diseases .....	—	...	2	...	1	...	3	—	...	2	...	3	...	5	8	...	0.3
Pharyngitis .....	—	...	1	...	—	...	1	—	...	1	...	—	...	1	2	...	0.1
Psoriasis .....	—	...	2	...	—	...	2	—	...	—	...	—	...	—	2	...	0.1
Rash (Food) .....	1	...	1	...	—	...	2	1	...	—	...	—	...	1	3	...	0.1
Rheumatism .....	—	...	1	...	—	...	1	—	...	—	...	—	...	—	1	...	—
Rheumatoid Arthritis .....	—	...	—	...	—	...	—	—	...	1	...	—	...	1	1	...	—
Rhinitis .....	—	...	4	...	—	...	4	—	...	2	...	—	...	2	6	...	0.2
Sebaceous Cyst .....	1	...	—	...	—	...	1	—	...	—	...	—	...	—	1	...	—
Seborrhæic Eczema .....	—	...	—	...	4	...	4	—	...	—	...	1	...	1	5	...	0.2
Scabies .....	3	...	1	...	1	...	5	—	...	3	...	1	...	4	9	...	0.3
Scald .....	—	...	—	...	—	...	—	1	...	—	...	—	...	1	1	...	—
*Scar .....	17	...	12	...	2	...	31	8	...	6	...	2	...	16	47	...	1.7
Sores .....	—	...	1	...	—	...	1	1	...	1	...	—	...	2	3	...	0.1
Sprain .....	1	...	—	...	—	...	1	—	...	—	...	—	...	—	1	...	—
Tinea tonsurans .....	3	...	—	...	—	...	3	—	...	1	...	1	...	2	5	...	0.2
Tonsillitis .....	4	...	6	...	4	...	14	3	...	4	...	4	...	11	25	...	0.9
Umbilical Hernia .....	1	...	—	...	—	...	1	—	...	—	...	—	...	—	1	...	—
Urticaria .....	—	...	—	...	—	...	—	1	...	1	...	—	...	2	2	...	0.1
Warts .....	1	...	1	...	—	...	2	—	...	2	...	—	...	2	4	...	0.1

\* Secondary to Healed Tubercle, Surgical Operations, Burns, etc.



# BOARD OF EDUCATION TABLES.

## TABLE I.

NUMBER OF CHILDREN INSPECTED 1st JANUARY, 1921, TO  
31st DECEMBER, 1921.

### A.—ROUTINE MEDICAL INSPECTION.

Age	ENTRANTS.					
	3	4	5	6	Other Ages.	Total.
Boys .....	41	70	182	74	—	367
Girls .....	36	77	175	100	—	386
Totals .....	77	147	355	174	—	753

  

Age	INTERMEDIATE GROUP.					LEAVERS.			Other Ages. 15	Total.	Grand Total.
	7	8	9	10	11	12	13	14			
Boys .....	632					271	152	48	11	1114	1481
Girls .....	581					194	121	10	—	906	1292
Totals .....	1213					465	273	58	11	2020	2773

### B.—SPECIAL INSPECTIONS.

	Special Cases.	Re-Examinations (i.e., No. of Children Re-examined).
Boys .....	1100	1418
Girls .....	1043	
Totals .....	2143	1418

TABLE II.

RETURN OF DEFECTS FOUND IN THE COURSE OF  
MEDICAL INSPECTION IN 1921.

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 .....	1	...	—	...
Uncleanliness—				
Head .....	—	...	634	...
Body .....	—	...	1	...
Skin—				
Ringworm—				
Head } .....	5	...	112	...
Body }				
Scabies .....	9	...	78	...
Impetigo .....	24	...	174	...
Other Diseases (Non-Tubercular)	34	...	176	...
Eye—				
Blepharitis .....	23	...	13	...
Conjunctivitis .....	5	...	18	...
Keratitis .....	—	...	1	...
Corneal Ulcer .....	1	...	1	...
Corneal Opacities .....	2	...	—	...
Defective Vision .....	195	...	34	...
Squint .....	43	...	5	...
Other Conditions .....	10	...	23	...
Ear—				
Defective Hearing .....	278	...	143	...
Otitis Media .....	21	...	1	...
Other Ear Diseases .....	31	...	35	...
Nose and Throat—				
Enlarged Tonsils .....	51	...	37	...
Adenoids .....	57	...	24	...
Enlarged Tonsils and Adenoids	12	...	14	...
Other Conditions .....	38	...	8	...
Enlarged Cervical Glands (Non-Tubercular) .....	—	...	38	...
Defective Speech .....	—	...	—	...
Teeth—				
Dental Disease (see Table on Page 22).				



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)
Heart and Circulation—				
Heart Disease—				
Organic .....	—	14	—	10
Functional .....	—	—	—	—
Anæmia .....	31	—	8	—
Lungs—				
Bronchitis .....	11	—	16	—
Other Non-Tubercular Diseases	32	—	19	—
Tuberculosis—				
Pulmonary—				
Definite .....	—	—	17	—
Suspected .....	—	—	—	—
Non-Pulmonary—				
Glands .....	—	—	49	—
Spine .....	—	—	—	—
Hip .....	—	—	2	—
Other Bones and Joints ...	—	—	10	—
Skin .....	—	—	1	—
Other Forms .....	—	—	19	—
Nervous System—				
Epilepsy .....	—	—	—	—
Chorea .....	1	—	2	—
Other Conditions .....	6	—	—	—
Deformities—				
Rickets .....	—	28	—	—
Spinal Curvature .....	—	8	2	1
Other Forms .....	—	19	3	2
Other Diseases and Defects .....	45	5	662	—
Number of Individual Children having Defects which required treatment or to be kept under Observation .....		1396	...	2143

TABLE III.

NUMERICAL RETURN OF ALL EXCEPTIONAL CHILDREN IN  
THE AREA IN 1921.

	Boys.	Girls.	Total.
Blind (including partially Blind)—			
Attending Public Elementary Schools .....	—	...	—
Attending Certified Schools for the Blind .....	1	...	1
Not at School .....	1	...	1
Deaf and Dumb (including partially Deaf)—			
Attending Public Elementary Schools .....	—	...	1
Attending Certified Schools for the Deaf .....	1	...	4
Not at School .....	1	...	2
Mentally Deficient—			
Feeble Minded—			
Attending Public Elementary Schools .....	2	...	3
Attending Certified Schools for Mentally Defective Children .....	—	...	—
Notified to the Local (Control) Authority during the year .....	—	...	—
Not at School .....	1	...	1
Imbeciles—			
At School .....	—	...	—
In Institution .....	1	...	1
Notified to the Local (Control) Authority during the year .....	1	...	2
Not at School .....	1	...	2
Idiots—			
Notified to the Local (Control) Authority during the year .....	—	...	—
Epileptics—			
Attending Public Elementary Schools .....	1	...	2
Attending Certified Schools for Epileptics .....	—	...	1
In Institutions other than Certified Schools .....	—	...	—
Not at School .....	—	...	—



TABLE III.—Continued.

	Boys.	Girls.	Total.
Physically Defective—			
Pulmonary Tuberculosis—			
Attending Public Elementary Schools .....	5	4	9
Attending Certified Schools for Physically Defective Children .....	—	—	—
In Institutions other than Certified Schools .....	—	2	2
Not at School .....	—	6	6
Crippling Due to Tuberculosis—			
Attending Public Elementary Schools .....	1	1	2
Attending Certified Schools for Physically Defective Children .....	—	—	—
In Institutions other than Certified Schools .....	—	—	—
Not at School .....	—	—	—
Crippling Due to Causes other than Tuberculosis, i.e., Paralysis, Rickets, Traumatism—			
Attending Public Elementary Schools .....	4	—	4
Attending Certified Schools for Physically Defective Children .....	—	—	—
In Institutions other than Certified Schools .....	—	—	—
Not at School .....	—	—	—
Other Physical Defectives, e.g., Delicate and other Children suitable for admission to Open-air Schools; Children suffering from Severe Heart Disease—			
Attending Public Elementary Schools .....	—	2	2
Attending Open-air Schools .....	—	—	—
Attending Certified Schools for Physically Defective Children, other than Open-air Schools .....	4	3	7
Not at School .....	—	—	—
x Dull or Backward—			
Retarded 2 years .....	133	94	227
Retarded 3 years .....	14	45	59

x Judged according to age and standard.

TABLE IV. Treatment of Defects of Children during 1921.

Condition.	No. of defects for which treatment was considered necessary		No. of defects for no report is available	Left School or Town	No. of defects treated	RESULTS OF TREATMENT			No. of defects for which treatment was refused	Percentage of defects treated	
	From previous year.	New.	Total.			Reme-died	Im-proved	Un-changed		1921	1920
Clothing and Boots .....	25	66	91	10	2	65	—	—	13	71.4	65.4
Cleanliness of Head .....	—	222	(a) 222	—	—	222	—	—	—	100.0	100.0
Cleanliness of Body .....	—	7	(a) 7	—	—	7	—	—	—	100.0	77.8
Nutrition .....	5	3	8	—	1	2	5	—	—	87.5	75.0
Tonsils and Adenoids .....	47	266	313	—	10	178	—	—	90	56.5	62.7
External Eye Disease .....	1	33	34	4	1	22	1	—	6	67.7	98.6
Ear Disease .....	18	64	82	2	2	58	3	—	17	74.4	87.3
*Permanent Carious Teeth .....	230	281	511	38	49	205	11	—	195	42.3	61.7
*Temp. Teeth Req. Extn. ....	391	683	1074	69	46	459	24	—	452	45.0	63.6
Heart and Circulation .....	22	4	26	3	6	2	12	—	3	53.8	84.8
LUNGS: Bronchitis .....	8	38	46	2	—	16	15	—	13	67.4	100.0
Phthisis .....	14	3	17	1	1	—	6	9	—	88.2	100.0
Ringworm .....	29	98	127	—	3	96	28	—	—	97.7	97.7
Impetigo .....	1	200	201	—	—	201	—	—	—	100.0	100.0
Scabies .....	28	82	110	—	7	88	15	—	—	93.6	98.5
Eczema .....	3	15	18	—	—	18	—	—	—	100.0	100.0
TUBERCULOSIS (NON-PULMONARY)—											
Lymphatic Glands (neck) .....	43	5	48	—	10	4	30	3	—	77.1	88.5
Peritoneum .....	7	2	9	—	1	—	7	1	—	88.9	87.5
Intestines .....	1	—	1	—	—	—	1	—	—	100.0	50.0
Foot .....	3	—	3	—	—	—	—	—	—	100.0	100.0
Hip .....	1	1	2	—	—	—	—	—	—	100.0	50.0
Knee-joint .....	1	1	2	—	1	—	2	—	—	50.0	66.9
Elbow-joint .....	1	—	1	—	—	—	1	—	—	100.0	100.0
Testis .....	1	—	1	—	—	—	1	—	—	100.0	100.0
Phalanges .....	2	—	2	—	—	1	1	—	—	100.0	100.0
Meninges .....	3	2	5	—	4	—	—	—	—	20.0	30.0
Mesenteric Glands .....	1	1	2	—	1	—	—	—	—	50.0	100.0
Ear .....	1	—	1	—	—	—	—	1	—	100.0	100.0
Arm .....	1	—	1	—	1	—	—	—	—	100.0	100.0
Lupus .....	1	—	1	—	—	—	—	—	—	100.0	100.0
Abdomen .....	—	1	1	—	—	—	—	—	—	100.0	—
Vision and Squint .....	99	259	358	20	28	(b) 185	1	—	117	52.0	72.2
Hearing .....	57	309	366	20	14	245	3	—	82	67.8	81.2
TOTALS .....	1045	2646	3691	169	189	2077	172	14	988	61.3	72.7

(a) This is the number of exclusions, and includes numerous relapses; in some instances the same name occurs twice.

(b) Proper spectacles supplied, or certified by the Ophthalmic Surgeon to be able to manage without them.

\* Cases found by School Dental Surgeon not included.



TABLE VI.

SUMMARY RELATING TO CHILDREN MEDICALLY INSPECTED  
AT THE ROUTINE INSPECTIONS DURING THE YEAR 1921.

(1)	The total number of children medically inspected at the routine inspections .....	2773
(2)	The number of children in (1) suffering from—	
	Malnutrition .....	1
	Skin Disease .....	72
	Defective Vision (including Squint) .....	238
	Eye Disease .....	41
	Defective Hearing .....	278
	Ear Disease .....	52
	Nose and Throat Disease .....	439
	Enlarged Cervical Glands (Non-Tubercular) .....	580
	Defective Speech .....	13
	Dental Disease .....	844
	Heart Disease—	
	Organic .....	14
	Functional .....	—
	Anæmia .....	31
	Lung Disease (Non-Tubercular) .....	43
	Tuberculosis—	
	Pulmonary—	
	Definite .....	—
	Suspected .....	—
	Non-Pulmonary .....	—
	Diseases of the Nervous System .....	7
	Deformities .....	55
	Other Defects and Diseases .....	50
(3)	The number of children in (1) suffering from defects (other than uncleanliness or defective clothing or footgear) who require to be kept under observation (but not referred for treatment) ...	54
(4)	The number of children in (1) who were referred for treatment (excluding uncleanliness, defective clothing, etc.) .....	1342
(5)	The number of children in (4) who received treatment for one or more defects (excluding uncleanliness, defective clothing, etc.) .....	618