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**Contributors**

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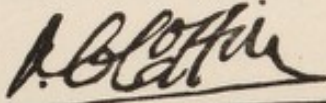
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CITY OF BRADFORD  
EDUCATION COMMITTEE

Report of the School  
Medical Officer,  
1920



A handwritten signature in cursive script, reading "A. Blottin", is written over a horizontal line that extends to the right and then curves upwards at the end.

*Director of Education.*



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## PART I.—MEDICAL INSPECTION.

*(a) Organisation and General Scope of Work.*

The Staff engaged in Medical work amongst school children during the early part of the year were chiefly temporary. At the close of the year, in addition to the School Medical Officer, who is also Medical Officer of Health, the Staff consisted of five whole-time Medical Officers, one part-time X-Ray Specialist, one part-time Ophthalmic Surgeon, one part-time Nose and Throat Surgeon, five Supervisors of Remedial Exercises, thirteen Nurses, and two whole-time Dentists.

The classes of children medically inspected in Bradford, and the number so examined in each class are as follows:—

## A.—ROUTINE INSPECTION.

## i. Under the Regulations of the Board of Education :

- (1) All children admitted for the first time during the year 3806  
 (2) All children expected to leave school during the year... 2716

## B.—INSPECTION OF SELECTED CHILDREN.

## ii. Not obviously defective :

- (1) Candidates for Street Trading Licences ... .. 133  
 (2) Children gaining Scholarships during the year ... .. 1699

Total ... .. 8354

*(b) Results.*

The results of Medical Inspection are shown fully in the tables at the end of this report, and the following tabular summary shows the general conditions noted requiring medical treatment or other action.

## GENERAL CONDITIONS.

Condition Noted.	Infants.		Older Children.		Total.	
	Number.	Per-centage.	Number.	Per-centage.	Number.	Per-centage.
Dirty Bodies ... ..	179	4·7	151	5·5	330	5·0
Verminous Heads ... ..	288	7·5	227	8·3	515	7·9
Unsatisfactory Clothing ... ..	311	8·2	243	8·9	554	8·4
Unsatisfactory Footgear... ..	164	4·3	178	6·5	342	5·2
Poor Nutrition ... ..	438	11·5	132	4·8	570	8·7

As compared with 1918 these results show a considerable increase in the dirty and verminous conditions and in the cases of unsatisfactory

clothing and footgear, and a great improvement in the general nutrition of the children. The explanation of these results is probably to be found in the conditions of increased overcrowding, the increase in prices of clothing and footgear, and the more plentiful supply of food-stuffs following the termination of the war.

#### PART II.—MEDICAL TREATMENT.

There are three School Clinics in Bradford, a Central Clinic, in Horton Road, and Branch Clinics at Green Lane and Lapage Street.

Diseases of the Eye are treated at the Special Clinic, in Edmund Street, and Throat, Nose, and Ear Defects are treated at the Leeds Road Hospital.

The cases that have attended the School Clinics since 1908 are shown in the following tables:—

Year.	Number Treated.	Examined Only.	Total Attendances.	Attendances per week.
1908	841	590	4050	122
1909	2323	1325	14516	329
1910	3520	2772	19315	439
1911	5019	2655	20325	462
1912	6279	3095	25579	581
1913	8004	4333	34940	791
1914	13991	4155	46982	1068
1915	12469	2769	43346	985
1916	14559	3552	38051	865
1917	12890	3056	44289	1006
1918	9954	3164	35256	801
1919	16459	4177	44876	1019

(A) INSPECTION CLINIC.—There were 4177 children who attended the Clinic in 1919 for the purpose of examination only. These children may be divided into three groups of:—

- (1) Children attending for examination in connection with Medical Inspection and School Attendance ... .. 3605
- (2) Children examined as to their suitability for admission or attendance at the Special Schools ... .. 419
- (3) Children attending for examination as to physical fitness for employment or street trading ... .. 153

The conditions found in the 3605 children who attended in connection with Medical Inspection or School Attendance, are shown in the following table :—

EXAMINATION IN CONNECTION WITH MEDICAL INSPECTION AND  
SCHOOL ATTENDANCE.

Diseases.	Number of Children.	Total Attendances.
Tuberculosis of Lungs (Phthisis) ... ..	125	218
Enlarged Glands ... ..	112	182
Bronchitis and other Chest Complaints ... ..	483	799
Anæmia, Rickets and Malnutrition ... ..	554	942
Heart Disease ... ..	74	119
Epilepsy and other Nerve Diseases ... ..	120	191
Ringworm ... ..	50	139
Other Skin Diseases ... ..	158	406
External Eye Diseases ... ..	52	95
Adenoids and Enlarged Tonsils ... ..	384	639
Ears, Throat and Nose ... ..	238	357
Bone Diseases and Deformities ... ..	152	239
Defective Vision ... ..	248	411
Infectious Diseases ... ..	47	58
Nil ... ..	75	83
Miscellaneous ... ..	708	1172
Re Transference to Convalescent Homes ... ..	25	25
<b>Total ... ..</b>	<b>3605</b>	<b>6075</b>

The following table shows the examinations made in connection with Special Schools and Employment of Children :—

Object of Examination.	Number of Children.	Total Attendances.
Transference to Special Schools (Mentally Defective)	114	156
Transference to Special Schools (Blind, Deaf and Cripple)	46	70
Transference to Special Schools (Classes for Stammerers)	12	13
Transference to Thackley Open-Air School ... ..	233	311
Continued attendance at Infants' Schools ... ..	14	14
Employment ... ..	20	21
Street Trading Licences ... ..	133	154
<b>Total ... ..</b>	<b>572</b>	<b>739</b>

(B) TREATMENT CLINICS.—There were 13,466 children who attended the Clinic in 1919 for treatment. The conditions from which these children suffer are shown in the following table :—

CASES TREATED DURING THE YEAR 1919.

Diseases.	Total Children New Cases.	Total Attendances.
<b>EYE :</b>		
Defective Vision ... ..	770	2687
External Eye Disease ... ..	457	2189
<b>SKIN :</b>		
Ringworm of Head ... ..	350	2560
Ringworm of Body ... ..	148	726
Sore Head ... ..	857	3968
Scabies, Impetigo, etc. ... ..	2007	7682
<b>EAR AND NOSE :</b>		
Otorrhœa and Rhinorrhœa ... ..	355	1514
Enlarged Glands ... ..	131	412
Anæmia and Bronchitis ... ..	92	146
Remedial Treatment ... ..	148	3320
Miscellaneous ... ..	1601	5697
Children supplied with Malt and Oil ... ..	288	506
<b>TEETH :</b>		
Cases treated by appointment ... ..	3740	3740
Emergency Cases (Casuals) ... ..	2915	2915
Total ... ..	13859	38062

## MEDICAL GYMNASTICS AND MASSAGE.

## CASES TREATED DURING THE YEAR 1919.

	Cured.	Improved.	Discharged for Other Reasons.
Scoliosis ... ..	24	22	11
Kyphosis (often combined with Lordosis)	11	6	4
Lordosis ... ..	...	2	...
Sprains ... ..	6	...	...
Flat-foot ... ..	2	4	...
Imperfect movement, etc., after fracture or dislocation ... ..	4	...	2
Bad Standing Position ... ..	...	4	...
Chest Deformities ... ..	...	4	...
Defective Circulation ... ..	1	...	...
Torticollis ... ..	1	...	...
Mouth-breathing habit after removals of Tonsils and Adenoids ... ..	1	...	...
Scoliosis : No improvement ... ..	...	...	2
Transferred to Lister Lane Special School after operation ... ..	...	...	7
	50	42	26

Cases carried forward for treatment during 1920—95.

Total number of cases treated during 1919—213.

## TINEA (RINGWORM) OF THE HEAD.

## X-RAY TREATMENT.

By Dr. WILLIAM MITCHELL, M.B.(Edin.).

There has been some increase in the number of cases treated for Ringworm of the Head in 1919. During the year 172 cases have been treated, as against 129 in 1918, and 135 in 1917. The average length of time from commencement of treatment to date of re-admission has been reduced from 31 days to 23 days. The number on waiting list on the 31st December, 1919, was two. The cases treated from September 30th, 1918, to September 30th, 1919, have been re-inspected, and the re-growth of hair has been most satisfactory. No case of recurrent Ringworm has been reported.



## WORK ANCILLARY TO TREATMENT.

When a child is found in school presenting a physical defect, the parents or guardians are informed of the condition and advised to obtain treatment for it.

Systematic re-inspection and home visitation is undertaken to follow up such cases.

## FOLLOWING UP BY NURSES.

Number of schools visited	...	...	...	...	...	...	1677
Children examined	...	...	...	...	...	...	62234
Visits to homes	...	...	...	...	...	...	2559

## DEFECTS DISCOVERED BY NURSES.

Ringworm	...	...	170	Vermin	...	...	...	1641
Running Ears...	...	...	214	Nits only	...	...	...	4207
Sore Eyes...	...	...	328	Scabies	...	...	...	340
Sores on Skin...	...	...	710	Squint	...	...	...	451
Infectious Diseases...	...	...	123	Minor Injuries	...	...	...	215

## DENTAL REPORT FOR 1919.

By B. NORTH, L.D.S.

This has been a transition year from war-time to peace-time, in which the work has been ever increasing, not because the mouths are in a less healthy state than in the past, but because the parents and children are more and more learning that if they wish to retain their teeth through life, visits to the dentist are a necessity, and that they should pay those visits before they have toothache.

For half the year I have been working at the Clinic alone, as my assistant left in June; therefore the sum of work done is less than last year, but proportionately it is about the same. I am glad to report that in addition to a successor to Mr. Jones, two additional dentists have now been appointed, so that with four of us to attend to the children, I am confident I shall be able to show a great advance in treatment at the end of next year.

During the year 7,459 children have been inspected between the ages of five and ten years, and of those 85 per cent. needed treatment. Although we have not systematically inspected outside those ages, our attention is not confined strictly to such children; any child in school found or reported to be in need of treatment is given attention; thus we treat some younger than five years and many over ten years of

age. I hope soon to give attention regularly to all over three years of age, and in Nursery Schools at two years if needful.

There should be no limiting age in regard to treatment; preservative work should be undertaken as soon as and whenever it is needed.

It is gratifying to find that our work is still growing in appreciation. This is shown by the long waiting list for appointments which is continually being renewed by applicants outside our general inspection.

There is still further evidence in the fact that 2,756 patients actually treated for fillings by me constitute 80 per cent. of the children inspected and found to need treatment; so the percentage treated has risen from 15 per cent. in 1913 to 80 per cent. in 1919, a very satisfactory increase; but I hope to still further improve on that.

#### SUMMARY OF WORK.

	Children Treated.	Temporary Teeth Extracted.	Permanent Teeth Extracted	Fillings.	Other Operations.
Chief Dentist ...	2756	1400	83	5515	507
Assistant Dentist	984	826	65	2121	106
Total ...	3740	2226	148	7636	613

#### Nitrous Oxide Gas Cases—175.

##### WORK DONE FOR CASUALS :—

Children attended ... ..	2915
Permanent teeth extracted ... ..	568
Temporary teeth extracted ... ..	2488
Dressings ... ..	108
Advice ... ..	589

A subsequent appointment is usually made for those receiving advice.

#### SPECIAL SCHOOLS AND CLASSES.

There are in Bradford the following Special Schools and Classes :—

The Open-Air School and the Lister Lane School for Physically Defective children, Odsal House School for the Blind and Deaf, the Usher Street School for Myopes, Margaret McMillan School for the Mentally Defective, and the Special Stammering Classes.

For the sixth year in succession a system of Camp Schools was in operation during the summer months, the camps being occupied by different Public Elementary Schools, as a whole, for short periods in rotation.

(a) *The Open Air School.*

Number of scholars on the books on 1st January, 1919	227
Number of scholars admitted during the year ... ..	287
Average number present during the year ... ..	164.6
Average number of children in residence during the year	20

This School continues to do most excellent work. The great majority of the children in attendance, in many cases suffering from no definite defect or disease requiring active medical treatment or attendance at any of the other Special Schools, are those who from a variety of causes have fallen away in health and nutrition and require open-air treatment, and the special supervision of their feeding and the hours of rest, exercise, and school work to restore them to complete health. The school is in largest part a non-resident one, and this fact in many cases greatly impedes the progress of the restoration to health. This has been practically noticeable in the year under review, when the housing conditions of the children have tended progressively to deteriorate.

(b) *The Stammerers' Classes.*

There are two of these classes, held at Wibsey and Lister Lane Schools. The numbers on registers on December 31st, 1919, were 19 and 16 respectively. The classes commence at 9-30 a.m., and close at 3-30 p.m., with one and a half hours' interval. Dinners are provided free at the schools, after which, from 12-45 to 1-30 p.m., the children rest on couches, and consequently are under the care of the teacher continuously from the opening to the closing of the school.

Included in the time tables for these classes are the following exercises:—Mouth and Tongue, Vowel, Breathing and Physical, along with the ordinary subjects taken in ordinary Elementary Schools, but on account of the various ages the children have to be divided into groups for such subjects as Arithmetic and Reading.

The teachers take much interest in their pupils' progress, but a satisfactory result can be obtained only by the joint efforts of teacher and scholars.

(c) *The Mentally Defective School.*

At the beginning of the year there were 149 children in attendance at Special Schools for the Mentally Defective. During the year 45 were admitted and 28 discharged, leaving at the end of the year 164.

These children are shown in the following tables :—

	On Register 31st December, 1918.	Admitted.	Discharged.	On Register 31st December, 1919.
Boys ...	89	25	19	95
Girls ...	60	20	9	69
Total ...	149	45	28	164

BOYS WHO HAVE LEFT DURING 1919 :—

(1) Left School to Work :—	
(a) Certified fit for an Elementary School ... ..	1
(b) Went to work at 16 years of age ... ..	10
(2) Transferred to Institution for Mentally Defectives...	4
(3) Placed under guardianship of parents ... ..	1
(4) Left the City ... ..	2
(5) Deceased ... ..	1
	—
Total... ..	19

GIRLS WHO HAVE LEFT DURING 1919 :—

(1) Transferred by guardians to Bowling Institution ...	1
(2) Transferred to Institution for Mentally Defectives...	2
(3) Left over 16 years of age ... ..	4
(4) Left the City ... ..	1
(5) Deceased ... ..	1
	—
Total... ..	9

As in previous years, this school has been under regular supervision by the Medical Staff, who paid weekly visits, and noted carefully the health and cleanliness of the scholars.

(d) *The Blind and Defective Vision Schools.*

(a) ODSAL HOUSE BLIND SCHOOL.

There were 45 children on the register of this school on the 1st January, 1919, and 41 on the 31st December, 1919.

The children selected by the Medical Officer for this school are those who require to be educated along lines for the blind. Some of the children may on admission be sighted children, but they are

too blind to be educated with "seeing" children, or even with children who have merely defective vision. The Medical Officer attached to the school visits constantly and supervises their training and treatment. The school is a residential one.

(b) USHER STREET MYOPE SCHOOL.

The children selected for this school are those who suffer from some defect in vision which is likely to become worse if the child's education is continued in an ordinary elementary school. The most frequent condition from which the children selected suffer is myopia, and the degree of this disability sufficient to warrant the admission of children to this school is held to vary with the age of the child, the younger children being admitted with a lower degree of Myopia if it shows signs of progressing.

The school was opened in the autumn of 1915, and the number of children admitted each year, with the range of their ages, is as follows :

Year.	Number.			Range of ages.
1915 } 1916 }	40	(up to July 31st, 1916	...	9 to 12
1917	24	do.	1917 ...	6 to 11½
1918	18	do.	1918 ..	7 to 12
1919	17	do.	1919 ...	6 to 8

The average age of admission during these years has been nine years and three months, up to July, 1919. The discharges number 46, and generally each child discharged has been in attendance for at least two years. All the children are medically examined with respect to their eye condition at least once in three months. The children taken off the register since March, 1916, have included ten cases transferred as fit to return to an ordinary Elementary School, and two as blind children to Odsal House School, and four to the Open-Air School.

As a result of the medical work done at this school, it has become clear that in a very large majority of the children with progressive myopia, the conditions of general health are low, and this general physical incapacity has contributed to, if not actually caused, the special eye conditions of the children. The myopia would seem in a considerable number of cases to have actually arisen from some

debilitating illness, such as measles or whooping cough, the children returning to school free, it is true, from infection, but without physical health being perfectly regained. The eye strain once induced under these circumstances leads to actual physical deterioration of the eye which will only cease to progress by rest, hence all education undertaken by such damaged eyes requires most careful supervision.

As a result of these observations, it is clear that a myope school should not only be furnished and equipped for education along recognised myope lines, but it should be so placed and constructed as to establish and maintain the highest physical efficiency. It should, therefore, be run on what are known as open-air principles.

The school has only been in operation during the period of the war, and it cannot yet be said that it is dealing with all the children who should be received into it. With the further organisation of school medical work, an increasing number of admissions may be expected, especially in the earlier years of school life. The greatest value of this educational treatment is in the early years, and an increasing effort is being made to ascertain the children with myopic tendencies then. It does not seem to me to be an extravagant estimate of the present needs of the Committee in myopic education that accommodation should be provided for at least 100 children. The present accommodation is for 60; there are at present 69 children on the register. The Usher Street School is an adapted school, and, while this adaptation has been excellent, it is not designed for the purpose, and does not provide all the facilities and opportunities necessary for these children. It is, in addition, situated in a very bad neighbourhood in the City.

The following recommendations are therefore made for the consideration of the Committee:—

1. That a new Myope School for 100 children, with possible extension, should be provided at the earliest possible moment.
2. This school should be placed in a healthy district of the City outside the smoke area, so that a maximum amount of natural lighting should be obtained.
3. The school should be constructed on open-air lines, and special attention should be paid to the lighting.
4. It should include provision for manual instruction and physical exercises.
5. The amount of floor space per child should be large, as the equipment for such a school is of a much more bulky nature than in the ordinary or other special elementary schools.
6. Special facilities for medical examination are required at the school, and a definite room set apart for treatment and remedial work.

7. The following principles should be observed as to admission to this school and as to selection from ordinary elementary schools :

- (a) Teachers should be asked to report at once all children, as soon after attaining the age of six years as possible, who exhibit any visual defect whatever, blinking, "peering" at the board or at their work, staring, etc., or any who do not read better than  $6/9$  on Snellin's types, and these should be referred for retinoscopic examination.
- (b) At the age of seven or earlier, children with two degrees of myopia should be considered for admission to the Myope School. Young children who show a progressive myopia in a short period, even with a less defect, should be at the same time considered. The main element in the selection of all cases for admission being the likelihood or otherwise of the candidate to progress.
- (c) All children of any age with a myopic condition greater than five degrees should be considered at once as suitable for admission.
- (d) Correction by lenses should in all myopic children be done at the earliest possible date, and regular ophthalmoscopic re-inspections at three-monthly intervals of all children in Myope Schools.

	Boys.	Girls.
Number on register 1st January, 1919 ... ..	39	30
Number admitted during 1919 ... ..	5	11
Number re-admitted during 1919 ... ..	1	2
Number discharged during 1919 ... ..	15	9
Number on register 31st December, 1919 ... ..	30	34

BOYS WHO HAVE LEFT DURING 1919 :—

Transferred to Odsal House Blind School ... ..	1
Left the City ... ..	1
Certified fit for an ordinary school ... ..	4
Went to work at 14 years of age ... ..	8
Now attending private school ... ..	1

GIRLS WHO HAVE LEFT DURING 1919 :—

Transferred to Blind School ... ..	1
Left the City ... ..	1
Certified fit for an ordinary school ... ..	3
Went to work at 14 years of age ... ..	4

*(e) Lister Lane School for Physically Defective.*

The children admitted to this school are those who present some defect in the bony, muscular, or nervous system affecting function, the parts affected being most frequently the legs, arms, or spinal column; or those who suffer from severe incapacity arising from congenital or acquired defects of the heart. These children are unable to benefit from an education in an ordinary elementary school from chiefly three causes—namely, their difficulty in getting to and from the school, the need of special means for sitting or resting in the school, and their need of special individual tuition. They are brought under very detailed medical care at the Lister Lane School, where they are seen weekly by the Medical Officer and a consulting orthopædic surgeon, and where there is a staff of nurses and masseuses. There are 175 children on the school roll, of whom from 60 to 80 are in residence, and the remainder travel to and from school by motor ambulance or special tramcar.

Out of the 175 children on the school roll, 93 are boys and 82 are girls. The following is a list of the defects found and the number of children suffering from each defect:—

CRIPPLING DUE TO—	Boys.		Girls.		Total.
	Aged 5 to 10	Aged 11 to 15	Aged 5 to 10	Aged 11 to 15	
(a) Tuberculosis ... ..	5	17	12	12	46
(b) Infantile Paralysis ...	6	12	6	9	33
(c) Rickets ... ..	12	4	8	3	27
(d) i. Congenital Deformities	15	9	7	9	40
ii. Trauma ... ..	1	1	1	—	3
iii. Other Causes ... ..	3	—	1	2	6
Defects of the Heart ...	4	4	6	6	20

*(f) The Deaf School.*

There are now 33 children on the register, and they are under constant medical and nursing care.



## MEDICAL INSPECTION.

TOTAL NUMBER OF CHILDREN INSPECTED DURING THE YEAR ENDED  
31ST DECEMBER, 1919.

TABLE I.

(A) "CODE GROUPS."

## ENTRANTS.

Age.	3	4	5	6	Other Ages.	Total.
Boys ... ..	187	431	718	450	93	1879
Girls ... ..	149	438	784	471	85	1927
Total ... ..	336	869	1502	921	178	3806

## LEAVERS.

Age.	12	13	14	Other Ages.	Total.
Boys ... ..	883	311	73	156	1423
Girls ... ..	846	327	23	87	1283
Total ... ..	1729	638	96	243	2706

(B) GROUPS OTHER THAN CODE.

	Special Cases.	Re-Examinations <i>i.e.</i> , No. of Children re-examined.
Boys ... ..	874	} 63034
Girls ... ..	825	
Totals ... ..	1699	63034

TABLE II.

RETURN OF DEFECTS FOUND IN THE COURSE OF MEDICAL INSPECTION  
in 1919.

Defect or Disease.  (1)	Code Groups.		Specials.	
	Number referred for treatment.  (2)	Number requiring to be kept under observation but not referred for treatment  (3)	Number referred for treatment.  (4)	Number requiring to be kept under observation but not referred for treatment.  (5)
MALNUTRITION ...	17	553	—	65
UNCLEANLINESS				
Head ... ..	515	—	78	—
Body ... ..	330	—	19	—
SKIN :				
Ringworm (Head) ...	9	—	1	—
Ringworm (Body) ...	16	—	2	—
Scabies ... ..	31	—	—	—
Impetigo ... ..	109	—	13	—
Other Diseases ...	45	—	19	—
EYE :				
Defective Vision and Squint ... ..	632	850	214	361
External Eye Diseases ... ..	117	—	9	—
EAR :				
Defective Hearing ...	30	—	—	—
Ear Diseases ... ..	56	—	15	—
NOSE AND THROAT :				
Enlarged Tonsils ...	1013	—	176	—
Adenoids ... ..	231	—	11	—
DEFECTIVE SPEECH ...	10	73	4	—

TABLE II.—(Continued).

Defect or Disease.	Code Groups.		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)
<b>HEART &amp; CIRCULATION</b>				
Heart Disease				
Organic ...	—	113	—	24
Functional ...	—	31	—	4
Anæmia ...	226	—	32	—
Other Defects ...	—	—	9	—
<b>LUNGS :</b>				
Pulmonary Tuberculosis (Definite)	31	—	—	—
(Suspected)	—	52	—	2
Chronic Bronchitis	201	349	9	20
Other Diseases ...	10	10	3	—
<b>NERVOUS SYSTEM :</b>				
Epilepsy ...	—	6	—	—
Chorea ...	4	—	2	—
Other Diseases ...	8	—	—	—
<b>NON-PULMONARY TUBERCULOSIS :</b>				
Glands ...	15	—	3	—
Bone and Joints ...	1	—	—	—
Other Forms ...	4	—	—	—
RICKETS ...	30	90	3	7
DEFORMITIES ...	196	—	54	—
OTHER DISEASES OR DEFECTS ...	335	—	28	—

TABLE III.

NUMERICAL RETURN OF ALL EXCEPTIONAL CHILDREN IN THE AREA  
IN 1919.

	Boys.	Girls.	Total.
<b>BLIND (including partially blind) :—</b>			
Attending Public Elementary Schools ... ..	—	—	—
Attending Certified Schools for the Blind ... ..	48	57	105
Not at School .. ..	2	1	3
<b>DEAF AND DUMB (including partially deaf) :—</b>			
Attending Public Elementary Schools ... ..	—	—	—
Attending Certified Schools for the Deaf ... ..	17	16	33
Not at School ... ..	—	—	—
<b>MENTALLY DEFICIENT :—</b>			
Feeble-minded—			
Attending Public Elementary Schools ... ..	—	—	—
Attending Certified Schools for Mentally Defective Children Notified to Local (Control) Authority during the year ...	95	69	164
Not at School ... ..	19	6	25
Not at School ... ..	8	5	13
Imbeciles—			
At School ... ..	—	—	—
Not at School ... ..	1	3	4
Idiots ... ..	—	—	—
<b>EPILEPTICS :—</b>			
Attending Public Elementary Schools ... ..	6	9	15
Attending Certified Schools for Epileptics ... ..	5	4	9
Not at School ... ..	3	5	8

TABLE III.—(Continued.)

	Boys.	Girls.	Total.
<b>PHYSICALLY DEFECTIVE :—</b>			
Pulmonary Tuberculosis—			
Attending Public Elementary Schools ... ..	—	—	—
Attending Certified Schools for Physically Defective Children	25	20	45
Not at School ... ..	7	9	16
Other Forms of Tuberculosis—			
Attending Public Elementary Schools ... ..	—	—	—
Attending Certified Schools for Physically Defective Children	22	24	46
Not at School ... ..	6	6	12
Physically Defectives other than Tubercular—			
Attending Public Elementary Schools ... ..	—	—	—
Attending Certified Schools for Physically Defective Children	71	58	129
Not at School ... ..	16	24	40
<b>DULL AND BACKWARD :—</b>			
Retarded 2 years and less ...	16	9	25

TABLE IV.—TREATMENT OF DEFECTS OF CHILDREN DURING 1919.

Condition.	Number of Defects found for which Treatment was considered necessary.			Number of Defects for which no Report is available.	Number of Defects Treated.	Result of Treatment.			Percentage of Defects treated.
	From previous years	New	Total.			Remedied.	Improved.	Unchanged.	
Cleanliness of Head ...	52	489	541	7	534	511	25	5	98.7
Cleanliness of Body ...	10	56	66	2	64	63	1	2	96.9
Nutrition ...	13	153	166	14	152	61	96	9	91.5
Nose and Throat ...	61	889	950	28	922	784	132	34	97.0
External Eye Diseases ...	70	532	602	10	592	544	39	19	98.3
Ear Disease ...	66	408	474	38	436	378	62	34	91.9
Heart and Circulation ...	40	434	474	30	444	149	263	62	93.6
Lungs ...	66	744	810	72	738	336	406	68	91.1
Nervous System ...	8	132	140	12	128	19	109	12	91.4
Skin ...	320	3650	3970	118	3852	3617	204	149	96.0
Rickets ...	6	28	34	6	28	2	25	7	82.3
Deformities ...	19	185	204	17	187	25	157	22	91.6
Tuberculosis (Non-Pulmonary) ...	3	77	80	2	78	22	55	3	97.5
Speech ...	1	41	42	1	41	13	24	5	97.6
Mental Condition ...	10	184	194	11	183	21	161	12	94.3
Vision and Squint ...	111	1003	1114	24	1090	948	124	42	96.1
Hearing ...	1	45	46	4	42	34	7	5	91.3
Miscellaneous ...	94	1470	1564	54	1510	1234	273	57	96.5
Totals ...	951	10520	11471	450	11021	8761	2163	547	96.07

TABLE V.

## MEDICAL TREATMENT ETC., OF CHILDREN DURING 1919.

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(1) The total number of children medically inspected (whether Code Groups, Special or Ailing Child)	...	...	14097
(2) The number of Children in (1) suffering (other than uncleanliness or defective clothing or footgear) who require to be kept under observation (but not referred for treatment)	...	...	3224
(3) The number of children in (1) who were referred for treatment (excluding uncleanliness, defective clothing, etc.)...			6070
(4) The number of children in (3) who received treatment for one or more defects (excluding uncleanliness, defective clothing, etc.)	...	...	5196

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TABLE VI.—PREVIOUS MEDICAL HISTORY.  
ENTRANTS.

Age ...	Three Years.		Four Years.		Five Years.		Six Years.		Seven Years.											
	No.	%	No.	%	No.	%	No.	%	No.	%										
Number Examined—																				
Males ... 1879																				
Females ... 1927																				
Total ... 3806																				
Disease.	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%						
Measles ..	74	39.5	71	47.9	206	47.08	197	44.9	351	48.8	529	65.9	272	60.4	325	69.0	42	45.1	50	58.8
Whooping Cough ..	49	26.0	34	22.8	101	23.4	105	24.0	183	25.4	412	52.2	157	35.0	268	56.9	23	24.7	45	52.9
Scarlet Fever ..	2	1.0	—	—	19	4.4	1	.2	10	1.3	220	28.0	14	3.1	159	33.7	—	—	28	32.9
Diphtheria ..	—	—	—	—	8	1.8	2	.4	3	.4	10	1.2	2	.2	7	1.4	—	—	1	1.1
Mumps ..	5	2.6	4	2.7	20	4.6	20	4.5	33	4.6	9	1.1	31	6.9	6	1.2	2	2.1	7	8.2
Chicken Pox ..	29	15.5	17	11.4	47	10.9	61	13.9	125	17.4	45	5.7	100	22.2	40	8.4	14	15.0	13	15.3
Vaccinia ..	32	17.1	31	20.8	87	20.2	84	19.2	143	19.9	128	16.3	97	21.6	108	22.9	19	20.4	16	18.8
Typhoid Fever ..	1	.5	—	—	1	.2	1	.2	2	.2	177	22.5	1	.2	79	16.7	—	—	—	—
Pneumonia ..	6	3.2	9	6.0	25	5.8	23	5.2	37	5.1	1	.1	29	6.4	15	3.1	5	5.3	6	7.0
Bronchitis ..	29	15.5	14	9.4	41	9.5	38	8.7	63	8.7	46	5.8	39	8.5	31	6.5	7	7.5	9	10.5
Rheumatism ..	1	.5	—	—	1	.2	—	—	1	.1	80	10.2	1	.2	34	7.2	—	—	2	2.3
Tuberculosis ..	—	—	—	—	—	—	—	—	—	—	1	.1	—	—	—	—	—	—	—	—

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TABLE VII.—AVERAGE HEIGHTS AND WEIGHTS.

Age.	Total Number Examined.		Leavers and Intermediate Groups.				Secondary School Children.				Scholarship Candidates.			
	Males.	Females	Males		Females		Males		Females		Males		Females.	
			Height C.M.	Weight Kilos.	Height C.M.	Weight Kilos.	Height C.M.	Weight Kilos.	Height C.M.	Weight Kilos.	Height C.M.	Weight Kilos.	Height C.M.	Weight Kilos.
9	13	7	—	—	125.5	26.0	—	—	—	—	133.3	28.3	132.9	28.5
10	389	363	136.6	33.0	120.0	25.0	126.2	27.7	126.2	27.7	132.5	29.0	132.6	29.3
11	409	370	133.1	29.1	135.0	30.2	127.0	28.0	150.1	39.7	133.7	30.7	135.0	29.3
12	979	947	137.4	33.6	139.3	34.0	128.5	28.5	144.4	39.6	138.7	33.3	136.8	31.4
13	323	350	140.8	34.8	142.4	35.1	156.9	45.0	152.5	43.5	144.4	35.4	144.4	39.3
14	73	23	144.4	36.3	148.3	39.3	156.2	44.9	152.7	45.5	—	—	—	—
15	104	49	—	—	—	—	158.4	47.3	153.4	46.2	—	—	—	—
16	7	9	—	—	—	—	157.5	47.4	155.6	48.1	—	—	—	—

TABLE VIII.  
AVERAGE WEIGHTS AND HEIGHTS.  
ENTRANTS.

Number examined.			Entrants.			
Age.	Males.	Females.	Males.		Females.	
			Height C.m.	Weight Kilos.	Height C.M.	Weight Kilos.
3	187	149	94·0	15·6	94·3	14·7
4	431	438	100·0	16·6	99·0	16·2
5	718	784	105·5	17·9	103·6	17·6
6	450	471	110·0	19·3	107·6	18·1
7	81	81	116·8	21·1	113·7	20·6
8	7	3	112·1	20·4	118·3	21·8
9	5	1	118·0	26·1	101·0	14·4

TABLE IX  
PARENTS PRESENT AT MEDICAL INSPECTION.  
(A) ENTRANTS.

Age.	Males.			Females.		
	Number of Children Examined.	Number of Parents Present.	Percentage of Parents Present.	Number of Children Examined.	Number of Parents Present.	Percentage of Parents Present.
3	187	132	53·4	149	98	65·7
4	431	294	68·2	438	295	67·3
5	718	479	66·7	784	529	67·4
6	450	297	66·0	471	325	69·0
7	81	38	46·9	81	48	59·8
8	7	4	57·1	3	1	33·3
9	5	1	20·0	1	1	100·0
Total ...	1879	1245	66·2	1927	1297	67·3

TABLE IX.—(Continued).

## PARENTS PRESENT AT MEDICAL INSPECTION.

(B) LEAVERS, SECONDARY SCHOOL SCHOLARS, AND SDHOLARSHIP  
CANDIDATES.

Age.	Males.			Females.		
	Number of Children Examined.	Number of Parents Present.	Percentage of Parents Present.	Number of Children Examined.	Number of Parents Present.	Percentage of Parents Present.
9	13	5	38·4	7	1	14·3
10	389	63	16·1	363	135	37·2
11	409	74	18·0	370	146	39·4
12	979	117	11·9	947	406	42·8
13	323	50	15·4	350	118	33·7
14	73	7	9·5	23	6	26·1
15	104	11	10·5	49	7	14·3
16	7	1	14·3	9	1	11·1
Total ...	2297	328	14·2	2118	820	38·7

TABLE X.—VISION.

	Leavers.			Secondary School Scholars.			Scholarship Candidates.						Total.			
	Boys.	Girls.	Total.	%	Boys.	Girls.	Total.	%	Boys.	Girls.	Total.	%	Boys.	Girls.	Total.	%
Number Tested ..	1244	1209	2453	—	179	84	263	—	874	825	1699	—	2297	2118	4415	—
6/6 Both Eyes (Normal)	556	487	1043	42.5	105	47	152	57.7	600	464	1064	62.6	1261	998	2259	51.1
6/6 R. ..	87	70	157	6.4	20	10	30	11.0	50	40	90	5.2	157	120	277	6.2
6/6 L. ..	54	39	93	3.7	7	6	13	4.9	37	41	78	4.5	98	86	184	4.1
6/9 R. ..	360	399	759	30.9	22	13	35	13.3	103	163	266	13.6	485	575	1060	24.0
6/9 L. ..	360	402	762	31.0	36	16	52	19.7	126	163	289	17.0	522	581	1103	24.9
6/12 R. ..	87	116	203	8.2	17	8	25	9.5	41	46	87	5.1	145	170	315	7.1
6/12 L. ..	110	125	235	9.5	13	6	19	7.2	40	39	79	4.6	163	170	333	7.5
6/18 R. ..	69	74	143	5.9	5	1	6	2.2	31	29	60	3.5	105	104	209	4.7
6/18 L. ..	71	80	151	6.1	5	5	10	3.8	33	31	64	3.7	109	116	225	5.0
6/24 R. ..	40	24	64	2.6	3	3	6	2.2	15	12	27	1.5	58	39	97	2.1
6/24 L. ..	41	35	76	3.0	5	4	9	3.4	16	16	32	1.8	62	55	117	2.6
6/36 R. ..	25	24	49	1.9	5	2	7	2.6	11	13	24	1.4	41	39	80	1.8
6/36 L. ..	19	28	47	1.9	6	—	6	2.2	15	14	29	1.7	40	42	82	1.8
6/60 R. ..	11	13	24	.9	—	—	—	—	4	5	9	.5	15	18	33	.7
6/60 L. ..	13	5	18	.7	—	—	—	—	3	1	4	.2	16	6	22	.4
6/0 R. ..	3	1	4	.1	—	—	—	—	1	1	2	.1	4	2	6	.1
6/0 L. ..	8	3	11	.4	—	—	—	—	2	1	3	.15	10	4	14	.3

