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# JOURNAL OF EDUCATION,

Province of  Ontario.

VOL. XXX.

TORONTO, JULY, 1877.

No. 7.

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## I. Proceedings of the Education Department.

### 1. DISCONTINUANCE OF THE JOURNAL OF EDUCATION.

(See page 109.)

Copy of an Order in Council approved by His Honour the Lieutenant-Governor, July 28th, 1877.

30th July, 1877.

The Committee of Council have had under consideration the annexed Report of the Honourable Mr. Hardy, Pro-Minister of Education, with reference to certain arrangements proposed to be made with the publishers of the *Canada School Journal*, and advise that the recommendation therein contained be acted upon.

Certified.

(Signed) J. LONSDALE CAPREOL,  
Assistant Clerk Executive Council, Ontario.

The Honourable A. S. Hardy,  
Pro-Minister of Education.

The undersigned respectfully report to His Honour the Lieutenant-Governor in Council respecting the Education Department as follows:—

The publication of the *Canada School Journal* by Messrs. Adam Miller & Company, with an editorial staff, and of contributors composed of many who take the lead in educational work in the Province, has brought under consideration the question of the continuance of the *Journal of Education*. In a former report to your Honour in Council on this subject, the Minister recommended the continuance of the publication of the *Journal* in order to supply information as to the action of the Department to Inspectors, Trustees, Teachers and others, which information required a special journal for the purpose. Now that such a journal does exist in the *Canada School Journal*, whose success should be aided by the Department, and not imperilled by the competition of the *Journal of Education* circulated gratuitously, the undersigned respectfully recommends that, the arrangements proposed to be made by the undersigned with the publishers, be approved of by Your Honour in Council, such arrangements being that the publishers shall be paid fifty dollars per month, and that in consideration of this sum should furnish the Department with two hundred and fifty copies of the *Journal* for distribution to Inspectors and others, as also such space as the Department may from time to time require for the pub-

lication of Departmental matter, and that such arrangement be revocable at the pleasure of the Government.

Respectfully submitted,  
(Signed) ARTHUR S. HARDY,  
Pro-Minister of Education.

Education Department, Ontario,  
Toronto, 19th July, 1877.

### 2. SUPERANNUATED TEACHERS.

Copy of an Order in Council approved by his Honour the Lieutenant-Governor, the 12th day of July, A. D. 1877.

Upon the recommendation of the Honourable the Provincial Secretary, Pro-Minister of Education, the Committee of Council advise that the Teachers named in the annexed list, having complied with the law and regulations in that behalf, be granted pensions as Superannuated Teachers, in accordance with the provisions of the act.

Certified,  
(Signed) J. G. SCOTT,  
Clerk Executive Council, Ont.

The Honourable  
The Pro-Minister of Education.  
12th July, 1877.

### SUPERANNUATED TEACHERS.

The Deputy reports to the Minister of Education, that he has carefully examined the accompanying applications of Public School Teachers, and as they have complied with the law and regulations on the subject, respectfully recommends the applicants for superannuation, viz:—

I. Over 60 years of age.

Name.	Religion.	Country of Birth.	Residence.	Age.	Se vice in Ontario.
Bernard Daly.	R. Catholic	Ireland	Chatham	61	8½ years.
John Dunlop.	Cath. Apostolic	do	Kingston	75	18½ "
Patrick O'Brien.	R. Catholic	do	St. Catharines	62	17 "
Richard W. Young, M.A.	Methodist.	do	Toronto	60	26 "

II. Under 60 years of age and disabled from teaching.

Adolphus Andrews.	Methodist	England	Tp. Westminster	55	21	"
Richard H. Banks.	do	Ontario	Durham	37	14	"
Wm. M. Crewson.	Disciple	do	Acton	52	21	"
Wm. H. Meredith.	Methodist	England	Toronto	51	23	"
Jeremiah W. Palmer.	Presbyterian.	Ontario	Whitby	50	19	"

Respectfully submitted,  
(Signed) J. GEORGE HODGINS,  
Deputy Minister.

Education Department,  
June 20th, 1877.

### 3. CHANGES TO BE MADE IN LATIN AND ENGLISH LITERATURE.

Copy of an Order in Council approved by his Honour the Lieutenant-Governor, the 12th day of July, A. D. 1877.

The Committee of Council have had under consideration the annexed report of the Honourable Mr. Hardy, acting Minister of Education with reference to certain changes to be made in the por-

tions of Latin and of English Literature, to be read for the December Intermediate Examination, and advise that the same be acted upon.

Certified,  
(Signed) J. G. SCOTT,  
*Clerk, Executive Council, Ontario.*

The Honourable A. S. Hardy,  
Pro-Minister of Education.  
12th July, 1877.

The undersigned respectfully begs to report for the consideration of His Honour the Lieutenant-Governor in Council, the following respecting the Education Department, that is to say:—

The Central Committee of Examiners recommend, in view of the revised curriculum of the University, that the following changes be made in the portions of Latin and of English Literature, to be read for the December Intermediate Examination:

(a) LATIN.—For Cæsar, Book V, substitute Cæsar, Bellum Britannicum, being Book IV, chapters 20-38, and Book V, chapters 1-23.

(b) ENGLISH LITERATURE.—For Gray's Elegy, substitute Goldsmith's Deserted Village. The other subjects to remain as before, viz:—Virgil, Æneid, Book II, lines 1-to 300, and Scott's Lady of the Lake.

The undersigned would respectfully recommend that an Order in Council be passed to give effect to the above modification.

Respectfully submitted,  
(Signed) ARTHUR S. HARDY,  
*Pro-Minister of Education.*

Education Department,  
Toronto, 12th July, 1877.

4. SUB-EXAMINERS, UNDER THE COMMITTEE.

Copy of an Order in Council approved by his Honour the Lieutenant-Governor, the 12th day of July, A. D. 1877.

Upon recommendation of the Honourable Arthur Sturgis Hardy, Pro-Minister of Education, the Committee of Council advise that the following gentlemen be appointed sub-examiners under the Committee for Second-class Teachers and for Intermediate Certificates, namely the following Public School Inspectors, A. Campbell, S. P. Davis, J. Dearness, M. J. Kelly, C. Moses, J. J. Wadsworth, and Messrs. C. Clarkson, B. A., W. Scott, B. A., and that the following gentlemen be appointed substitutes, should any of the above be prevented from acting, namely, Adam Johnston, B. A., Classical Gold Medallist, J. E. Wetterell, B. A., Prince of Wales Prizeman, Dr. Evans, of Trinity College, J. L. Davidson, Provincial Gold Medallist, Model School, Toronto.

Certified  
J. G. SCOTT,  
*Clerk Executive Council, Ont.*

The Honourable A. S. Hardy,  
*Pro-Minister of Education.*

5. PUBLIC SCHOOL TEACHERS' EXAMINATION, JULY, 1877.

The following Interim Report of the Central Committee has been approved by the Hon. the Pro-Minister of Education. The final report of the Committee awaits the result of the investigation going on in regard to the irregularities brought to light in connection with the examination:—

OBTAINED FIRST-CLASS CERTIFICATES.

Examination No.	Name.	Grades.
2630	*Summerby, Wm. Joseph.....(Silver Medal)	A
2683	*Cassidy, William	B
2684	*McIntosh, Angus	B
2681	*Hunt, Martha E.	B
2689	*Hagarty, Kate F.	B
2685	*Rowat, Isaac S.	B
2654	Ratcliffe, James	C
2651	Brown, James	C
2682	*Beer, Henry	C
2671	Alford, William	C
2648	Hallett, William John	C
2686	*Seldon, Richard	C
2658	Johnston, William	C
2655	Montgomery, Esther E.	C
2657	Gray, Henry	C

\* Normal School Students.

THE FOLLOWING OBTAINED CLASS II. ON PAPERS FOR CLASS I.—

	Grades.
2629.....Dunsmore, Thomas	A
2660....*Rittenhouse, W. F.	A
2680....*Head, Martha	A
2628....*Campbell, John	A
2678....Armstrong, Moore	A
2688....Sims, Bertha	A

TEACHERS' SECOND-CLASS EXAMINATIONS, JULY, 1877.

Admission to Normal Schools.—The non-professional examination alluded to in the following schedule is the examination mentioned in the 1877 Interim Regulations, viz:—

"7. Any teacher who has taught successfully for one year may be examined on the subjects of examination prescribed for second-class certificates, omitting school law, education, music, and drawing; and if he pass such examination he shall then be eligible for admission to a Normal School, as a teacher-in-training, with a view to his obtaining a second-class certificate."

It has been decided that those teachers who have obtained the rank of Grade A in the non-professional examination, will have the first right of admission to either of the Normal Schools under the regulations. Those who bore Grade B will have the right of admission according to the length of their experience as teachers.

Examination No.	Names and Locality.	Obtained Teachers' Certificates				Passed non-professional examinations			
		A.	B.	A.	B.				

TORONTO NORMAL SCHOOL.

2516	Bond, Annie	1	...	...	...	...	...
2518	Cowie, Jennie	1	...	...	...	...	...
2522	Lawson, Lottie E.	1	...	...	...	...	...
2523	Mullen, Mary	1	...	...	...	...	...
2525	Strachan, Maggie G.	1	...	...	...	...	...
2527	Spence, May F.	1	...	...	...	...	...
2528	Spence, Margaret	1	...	...	...	...	...
2530	Oliver, Isabella E.	1	...	...	...	...	...
2532	Ray, Emma	1	...	...	...	...	...
2517	Bolton, Eliza	1	...	...	...	...	...
2520	Ferguson, Katie C.	1	...	...	...	...	...
2521	Home, Elizabeth	1	...	...	...	...	...
2524	McIntyre, Agnes	1	...	...	...	...	...
2529	McPhedran, Jennie	1	...	...	...	...	...
2531	McQuarrie, Jessie	1	...	...	...	...	...
2541	Meade, K. Letitia	1	...	...	...	...	...
2542	Milne, Margaret A.	1	...	...	...	...	...
2543	Murray, G. Maggie	1	...	...	...	...	...
2545	Richie, Maggie	1	...	...	...	...	...

OTTAWA NORMAL SCHOOL.

2591	Pilson, Mary	1	...	...	...	...	...
2607	Christie, Elizabeth A.	1	...	...	...	...	...
2587	Turnbull, Elizabeth	1	...	...	...	...	...
2588	McLauchlan, Agnes	1	...	...	...	...	...
2589	Lees, Elizabeth	1	...	...	...	...	...
2590	Reynolds, Hattie	1	...	...	...	...	...
2593	Simpson, Annie	1	...	...	...	...	...
2594	Bovill, L.	1	...	...	...	...	...
2599	McLardy, Annie	1	...	...	...	...	...
2602	Williamson, Mary E.	1	...	...	...	...	...
2606	Breden, Nellie	1	...	...	...	...	...
2609	Wansborough, Robt. H.	1	...	...	...	...	...
2610	Brown, William R.	1	...	...	...	...	...
2611	Caldwell, Henry J.	1	...	...	...	...	...

BRANT.

1667	Meggait, Agnes	1	...	...	...	...	...
1669	Middlemiss, Mary	1	...	...	...	...	...
1673	Randall, Mary	1	...	...	...	...	...
1654	Fitkins, Chas. Edmund	1	...	...	...	...	...
1655	Girdwood, John	1	...	...	...	...	...
1662	Grace, Julia Maria	1	...	...	...	...	...
1665	King, Elizabeth Helen	1	...	...	...	...	...
1672	Phair, Emily Eclis	1	...	...	...	...	...
1674	Skimier, Alice Bella	1	...	...	...	...	...
1676	Stubbs, Ada Maria	1	...	...	...	...	...

LEEDS.

1138	Bellamy, Mary G.	1	...	...	...	...	...
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EAST MIDDLESEX.

2178	Bull, Martha	1	...	...	...	...	...
2156	Dickie, Noble	1	...	...	...	...	...
2162	Martin, W. J.	1	...	...	...	...	...
2164	McCull, Samuel	1	...	...	...	...	...
2165	McKay, D.	1	...	...	...	...	...



Examination No.	Names and Locality.	Obtained Teachers' Certificates.		Passed non-professional examinations Grades.	
		A.	B.	A.	B.
SIMCOE.					
1507	Broderick, Gideon	1			
1510	Clement, Mary E.	1			
STORMONT.					
1070	Cook, Sheldon E	1			
VICTORIA.					
1410	Dix, Ellen	1			
1416	Graham, William John	1			
WELLINGTON.					
1863	Grant, James	1			
1877	Talbot, T. N	1			
1872	Noble, John	1			
1876	Spence, James	1			
1890	Greenham, Caroline	1			
1902	Fordyce, George C	1			
1893	Meldrum, Anna P.	1			
1873	Patterson, William John	1			
1891	McIntyre, Margaret	1			
1880	Collins, Thomas James	1			
WELLAND.					
1741	Thompson, William H.	1			
WENTWORTH.					
1587	McKechnie, Archibald	1			
1572	Ball, Edwin	1			
1595	Sutherland, Henry	1			
1596	Sykes, David	1			
1581	Jackson, Joshua	1			
1584	Lyall, William Edward	1			
1592	Pringle, John	1			
1579	Griffin, Albert Dyke	1			
1640	Sutherland, Jessie	1			
1650	Freel, Jerome	1			
YORK.					
2475	Meston, Margaret	1			
2477	Hudson, Eliza	1			
2468	Bate, Jane	1			
2471	Colgan, Eliza	1			
2473	Greenly, Dorothy	1			
2474	Martin, Frances	1			
2480	McJannet, Elizabeth	1			
2481	McMillan, Eliza A.	1			
2435	Lalor, Jane	1			
2433	Sturrock, Elizabeth C	1			

6. LONDON HIGH SCHOOL LANDS SURRENDER.

COPY.

Copy of an Order in Council approved by His Honour the Lieutenant-Governor, the 26th day of July, A.D. 1877.

Upon the recommendation of the Honourable Mr. Hardy, Pro-Minister of Education, the Committee of Council advise that the accompanying surrender by the Board of Education of the City of London, and the High School Board of the City of London, to Her Majesty of the lands therein mentioned, be accepted by your Honour, and that the said surrender be enrolled in the office of the Provincial Registrar.

The Committee further advise that the lands in the said surrender mentioned, be sold, and the proceeds applied for High School purposes under the authority of 37 Victoria, Cap. 27, Sections 88-94.

Certified.  
(Signed) J. G. SCOTT,  
Clerk Executive Council, Ontario.

26th July, 1877.  
The Honourable  
The Pro-Minister of Education.

7. GENERAL REGULATIONS WITH RESPECT TO AUTHORIZED TEXT BOOKS IN THE PUBLIC SCHOOLS.

Approved by the Lieutenant-Governor in Council.

1. From and after the 18th day of August next, the several text-books, hereinafter mentioned, shall constitute the only authorized text-books for use in the Public Schools in the respective subjects appearing in the Schedule A, annexed.

2. In order to secure the proper quality, and cheapness in price, of the several text books so authorized, a sample copy of each published in Canada shall be filed in the Department, and the retail price of the several books shall not exceed the price appearing in column 4 of the said Schedule A, and as to such books as are published in England or elsewhere, the edition shall be that appearing in the said Schedule.

3. The editions of authorized text-books which are published in England as mentioned in said schedule, and whether copyrighted or not, are authorized for use in the Public Schools, when sold at a retail price not exceeding the price in cents also mentioned in the said Schedule.

4. In order that Trustees, Inspectors, and others, may readily ascertain that the text-books in use are duly authorized, each publisher or bookseller is required to stamp each volume on the title page to the effect that the book is authorized by the Department, and the retail price thereof. Any volume of a book otherwise authorized shall not be deemed to be duly authorized if such stamp is omitted therefrom.

5. Where a text-book heretofore authorized on any of the subjects mentioned in the Schedule has already been introduced into a School, and is in use, the teacher shall not substitute therefor any other authorized text-book, unless and until he shall have obtained the sanction of the Trustees, and the Public School Inspector to such change.

6. The Department may from time to time recommend such books as may be aids to Teachers for study or reference by them, and it is not required that such should be authorized so long as they are not used as text-books by the pupils in the Schools. The books appearing in Schedule B annexed, are now recommended for use or reference by teachers, and it is expected that the retail price of books so recommended, will not exceed the price placed thereon in said Schedule B.

7. The Department reserves the right to remove from the list any book authorized or recommended, in respect of which the publisher or bookseller fails to observe any of the conditions prescribed by these regulations.

8. The use in the Public Schools of editions printed or published in the United States, of English or Canadian works hereby authorized, is prohibited, and such reprints shall in no sense be considered as authorized by the regulations.

9. In cases in which the copyright of the School text-books is in the Department, or the late Chief Superintendent on behalf of the late Council of Public Instruction, publishers and printers in the Province of Ontario may, upon application to the Department, obtain permission to print and publish editions of such work. Any such edition shall, in its binding, typography, paper, and other qualities, be equal at least to the standard copy of the Department, and the retail price thereof shall not exceed that placed thereon in the said Schedule A, and before permission to print or publish such edition is given, the publisher shall give security, himself in \$2,000, and two sureties to be approved by the Minister, in \$1,000 each, to secure that such edition when completed, shall be, including each separate copy, in accordance with the requirements of this regulation.

ADAM CROOKS,  
Minister of Education.

EDUCATION DEPARTMENT,  
June 11th, 1877,

NOTE.—For rates at which these books are supplied from the Depository of the Education Department, see page 110.

—[Ed. J. of E.]

SCHEDULE "A," BEING AUTHORIZED TEXT BOOKS.

Name of Book.	Where Copyrighted.	By Whom.	Maximum Price (Retail.)
<b>ENGLISH.</b>			
Canadian National Series of Reading B'ks	Canada	Education Dept.	
Lewis's How to Read..	Canada	A. Miller & Co.	75c.
English Grammar (Primer), by Rev. R. Morris	{ Canada England	{ Campbell & Son. Macmillan	25c.
Mason's English Grammar	{ Canada England	{ A. Miller & Co.. Bell & Sons	75c.
Fleming's Analysis of the English Language	{ Canada England	{ A. Miller & Co.. Longmans	\$1.
*Miller's Analytical & Practical English Grammar	Canada	Education Dept.	
*English Grammar for Junior Classes, by Rev. W. H. Davies, D.D.	Canada	Education Dept.	
<b>MATHEMATICS.</b>			
Advanced Arithmetic for Canadian Schools, by Barnard Smith, M.A., and Archibald McMurphy, M.A.	Canada	Education Dept.	
Elementary Arithmetic for Canadian Schools, by Barnard Smith, M.A., and Archd. McMurphy, M.A.	Canada	Education Dept.	
+Hamblin Smith's Arithmetic	{ Canada England	{ A. Miller & Co.. Rivingtons	\$1.
Orr's Dominion Accountant	Canada	Barber & Ellis	40c.
Beatty & Clare's Book-keeping	Canada	A. Miller & Co.	70c.
Hamblin Smith's Elementary Algebra	{ Canada England	{ A. Miller & Co.. Rivingtons	90c.
Loudon's Algebra for Beginners	{ Canada England	{ Copp, Clark & Co Collins	40c.
Loudon's Elements of Algebra	Canada	Copp, Clark & Co.	75c.
Todhunter's Algebra for Beginners	{ England Canada	{ Macmillan Copp, Clark & Co	60c.
Todhunter's Elementary Geometry	{ Canada England	{ Copp, Clark & Co Macmillan	90.
Potts' Geometry	{ Canada England	{ A. Miller & Co.. Longmans	75c.
Hamblin Smith's Euclid	Canada	A. Miller & Co.	90c.
<b>GEOGRAPHY AND HISTORY.</b>			
‡Lovell's General Geography	Canada	Education Dept.	
‡Easy Lessons in General Geography	Canada	Education Dept.	
Campbell's Geography	Canada	Campbell & Son.	75c.
\$Calkin's School Geography of the World	Canada	A. & W. McKinlay	\$1.50.
\$Calkin's Introductory Geography	Canada	A. & W. McKinlay	
Freeman's European History	England	Macmillan	90c.
History of England, by Edith Thompson	England	Macmillan	65c.
Outlines of General History, by Collier	England		
Great Events of History, by Collier	England		
History of Canada and of other British Provinces of North America	Canada		
*Collier's School History of the British Empire	England		
<b>PHYSICAL SCIENCE.</b>			
How Plants Grow, by Asa Gray, M.D.	United States.	Iverson Blakeman.	\$1.
Oliver's Lessons in Elementary Botany	England	Macmillan	\$1.20.

Name of Book.	Where Copyrighted.	By whom.	Maximum Price (Retail.)
Chemistry (Science Primer), by H. E. Roscoe	{ Canada England	{ Campbell & Son Macmillan	25c.
First Lessons in Agriculture, by Rev. Dr. Ryerson	Canada	E. Ryerson	50c.
Physical Geography (Science Primer), by A. Geikie, LL.D.	{ Canada England	{ Campbell & Son. Macmillan	25c.
Introductory Text Book of Physical Geography, by David Page, F.R.S.E. (for Advanced Classes)	Great Britain.	W. Blackwood	65c.
<b>NATURAL PHILOSOPHY.</b>			
Elementary Statics, by J. Hamblin Smith, M.A.	{ Canada England	{ A. Miller & Co.. Rivingtons	80c. 75c.
Elementary Hydrostatics, by J. Hamblin Smith, M.A.	{ Canada England	{ A. Miller & Co.. Rivingtons	75c.
Magnus's First Lessons in Mechanics	England	Longmans	90c.
Kirkland's Elementary Statics	Canada	A. Miller & Co.	\$1.
Scripture Lessons, Old and New Testament (National)			

\* The authorization to continue till the end of the year 1878.  
 † Conditional on being adapted to Canadian Schools, and on being brought up to the present time.  
 ‡ The authorization of the present edition to continue till the end of the year 1878.  
 § Conditional on being adapted to Schools in Ontario.  
 || The authorization to continue till the end of the year 1877.

SCHEDULE "B," BEING BOOKS RECOMMENDED FOR TEACHERS' USE.

Name of Book.	Where Copyrighted.	By Whom.	Price (Retail.) See page 110.
Abbott's How to Parse	Canada	Campbell & Son.	\$1.
Swinton's Language Lessons			25c.
Swinton's Progressive Grammar			60c.
Greene's Short History of the English People			
Elementary Physiology, by Professor Huxley			\$1.30.
Health in the House, by Catherine M. Buckton			50c.
Goodeve's Principles of Mechanics			\$1.
Twisden's Elementary Principles of Mechanics	England	Longmans	\$2.25.
Series of Drawing Lessons, by Walter M. Smith	Boston	L. Prang & Co.	
Primary Manual			\$1.25.
Intermediate Manual			
Drawing Books (advanced)			25c.
Drawing Books (intermediate)			15c.

EDUCATION DEPARTMENT, June 11th, 1877.

BOOKS FOR LIBRARIES AND PRIZES.

COPY of an Order in Council approved of by His Honour the Lieutenant-Governor, the 12th day of July, A.D. 1877.

Upon the recommendation of the Honorable Mr. Hardy, Pro-Minister of Education, the Committee of Council advise that the

accompanying lists of Books for Libraries and prizes be sanctioned of by Your Honour.

(Signed) J. G. SCOTT,  
Clerk Executive Council, Ontario.

12th July, 1877.  
The Honourable A. S. Hardy,  
Pro-Minister of Education.

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Popular Greenhouse Botany	do	do	10 6	2 00	"	Facts About Peat	Lee & Shepard	do	1 75	1 23	"
Phrenology made Practical	Philip & Son	do	3 6	0 67	L.	Beet-root Sugar	do	do	1 25	0 88	"
Geography of British Colonies	do	do	2 0	0 38	"	Beauties of Sacred Lit.	P. E. Society	do	1 75	1 23	"
Philips National School Atlas	do	do	1 2	0 23	"	Reade's Poems	Dawson Bros.	do	1 30	1 30	L. P.
Smith's English Institutions	Rivington's	do	3 6	0 67	"	Canadian Hand-book	Longmore	do	1 00	1 00	L.
Kings of Society	Book Society	do	3 6	0 67	"	Songs of Life	Dudley & Burns.	do	1 25	0 88	"
The Family	Jackson & Walford	do	7 6	1 43	"	Health by Good Living	Maclear & Co.	do	1 00	0 63	"
Church Life in Australia	do	do	5 0	0 95	"	Byrne's Practical Mechanics	H. C. Baird	do	3 63	2 55	L.
Bible-Class Studies	do	do	3 6	0 67	"	Dirck's Perpetual Motion	do	do	3 50	2 45	"
Biographies of Eminent Soldiers	Wm. Blackwood	do	9 0	1 71	"	Hay's Interior Decorator	do	do	2 25	1 58	"
Book of Ballads	do	do	8 6	1 62	L. P.	Peck's Elements of Mechanics	do	do	2 00	1 40	"
English Puritanism and its Leaders	do	do	7 6	1 43	L.	First Book of Science	A. S. Barnes	Roan.	1 75	1 23	"
Piccadilly	do	do	6 0	1 14	"	Garibaldi's Autobiography	do	Cloth	1 50	1 05	"
Practical Ventilation	do	do	6 0	1 14	"	Worcester's Elementary Dictionary	Brewer & Tileston	Rn.	1 15	0 95	"
St. Stephens, A Poem	do	do	5 0	0 95	"	Worcester's Primary Dictionary	do	do	0 62	0 50	"
Cattle and Cattle Breeders	do	do	2 6	0 48	"	Method of Classical Study	Thompson & Co.	Roan.	1 25	0 88	"
Higher Ministry of Nature	Hodder & Stoughton	do	9 0	1 71	"	Dana's Text Book of Geology	Bliss & Co.	Cloth	2 00	1 40	"
Springdale Abbey	do	do	7 6	1 43	"	The Parisians	Hunter, Rose & Co.	do	1 80	1 13	"
Sermons from the Studio	do	do	7 6	1 43	"	Kenelm (hillingly)	do	do	1 00	0 75	"
Thoughts for the Inner Life	do	do	7 0	1 33	"	Practical Flowers	do	do	1 00	0 75	P.
2 vols	do	do	7 0	1 33	"	Canadian Monthly	Adam, Stevenson	do	1 75	1 00	L. P.
Land of the Sun	do	do	5 0	0 95	"	Toronto of Old	do	do	2 50	2 00	"
Cornell's Primary Geography	Darton	do	2 6	0 48	"	Our Work in Palestine	do	do	1 00	0 72	P.
New General Atlas	Collins	do	5 0	0 95	"	Our Girls	do	Paper	0 40	0 35	"
Grammar School Dictionary	Forrester	do	3 6	0 67	"	Wilkes, Sheridan and Fox	do	Cloth	1 25	0 72	L.
Class-book of Eng. Lit.	Nelson	do	3 0	0 57	"	Domestic World	do	do	0 55	0 55	P.
Biblical Atlas and Scriptural Gazetteer	Religious T. Soc.	do	6 6	1 24	"	Biographical Sketches	do	do	0 90	0 90	L. P.
Newton of Olney	do	do	5 0	0 95	L.	Little Men	Canad. News and Publishing Co.	do	5 0	0 95	P.
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Our Earthly House and its Builder	do	do	2 0	0 38	"	History of Scottish Song	Murray & Co.	do	1 00	1 00	"
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Natural History of Animals	do	do	2 00	1 40	"	Harp of Canaan	R. Worthington	do	0 75	0 75	"
Rural Studies	do	do	1 75	1 23	"	School Management	Stevens	do	1 25	1 25	L. P.
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Synonyms of New Testament	do	do	1 25	0 88	"	Phenom. of Industrial Life	Groombridge	do	2 6	0 48	P.
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NAME OF BOOK.	Name of Publisher.	Style of Binding.	Publisher's Retail Price.	Price to Schools.	Library or Prize.	NAME OF BOOK.	Name of Publisher.	Style of Binding.	Publisher's Retail Price.	Price to Schools.	Library or Prize.
			s. d.	¢.					\$ c.	¢.	
Always in the Way	Edmonston	Boards.	1 6	0 29	P.	Sea and its Living Wonders.	Longmans & Co.	Cloth	10 6	2 00	L. P.
Nautical Astronomy	Griffin	Cloth	2 6	0 48	"	Manual of Eng. Literature.	do	do	7 6	1 43	"
Rhyme and Reason	G. Routledge	do	3 6	0 67	"	Strange Dwellings	do	do	7 6	1 43	"
Boys' and Girls' Gift Book.	do	do	3 6	0 67	"	Yonge's Hist. of England	do	do	7 6	1 43	"
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Rambles and Adventures	do	do	5 0	0 95	P.	Lady Colquhoun	do	do	1 00	0 70	"
Days in North India	Lippincott	do	5 0	0 95	L. P.	Adelaide Leaper Newton	do	do	1 00	0 70	"
Picciola	Whittaker	do	3 6	0 67	P.	Duchess of Gordon	do	do	1 25	0 88	"
Women of the Bible	Am. Tract Society	do	3 50	2 45	"	Removing Mountains	do	do	1 25	0 88	"
Home Scenes	do	do	3 00	2 10	"	Lighted Valley	do	do	0 90	0 63	"
Golden Threads	do	do	2 50	1 75	"	Life of Captain Bate	do	do	0 75	0 53	"
Beasts and Birds	do	do	2 00	1 40	"	Comp. History of Religions	Dodd & Mead	do	1 75	1 23	"
Story of Hymns	do	do	2 00	1 40	"	Layman's Story	do	do	1 50	1 05	"
Paley's Natural Theology	do	do	1 50	1 05	L. P.	Wrongs of Women	do	do	0 90	0 63	"
The Spencers	do	do	1 50	1 05	P.	Count Raymond	do	do	0 85	0 60	"
Leendwood	do	do	1 25	0 88	"	Livingstone	Hodder	do	4 0	0 76	L. P.
Leonore's Trials	do	do	1 25	0 88	"	Life of Empress Josephine	Porter & Coates	do	1 50	1 05	"
Paul Venner	do	do	1 25	0 88	"	American Gentleman's Sta- ble Guide	do	do	1 50	1 05	L.
From Four to Fourteen	do	do	1 25	0 88	"	Physiology for Practical Use, 2 vols.	H. S. King & Co.	do	2 75	2 75	L. P.
Hard Problem	do	do	1 25	0 88	"	Self-Made Men	Harper & Bro.	do	1 75	1 23	L.
Band of Six	do	do	1 25	0 88	"	Anecdotes of Public Men	do	do	2 00	1 40	"
Lottie Lane	do	do	1 25	0 88	"	Ancient History	do	do	2 50	1 75	"
Morning Hours	do	do	1 25	0 88	"	Romance of Spanish History	do	do	2 00	1 40	"
Home Pleasures	do	do	1 25	0 88	"	Social Life of Chinese, 2 vols.	do	do	5 00	3 50	L. P.
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Sunshine for Rainy Days	do	do	1 00	0 70	"						
Enlisted for Life	do	do	1 00	0 70	"						
Poems of Home Life	do	do	1 00	0 70	"						
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Little Margery	do	do	0 90	0 63	"						
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Anchored	do	do	0 90	0 63	"						
Working and Winning	do	do	0 90	0 63	"						
Dora's Mistake	do	do	0 90	0 63	"						
Jessie's Work	do	do	0 90	0 63	"						
Edith Somers	do	do	0 90	0 63	"						
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Agnes in Search of Truth	do	do	0 80	0 56	"						
Gretchen	do	do	0 80	0 56	"						
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Stories of Flowers	do	do	0 80	0 56	"						
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Haste to Rescue	do	do	0 60	0 42	"						
Charlie Scott	do	do	0 60	0 42	"						
Mark Steadman	do	do	0 60	0 42	"						
John Vine Hall	do	do	0 60	0 42	L. P.						
Lullabies and Ditties	do	do	0 60	0 42	P.						
Howitt's Rural Life	Longmans & Co.	do	12 6	2 38	L. P.						
Froude's Short Studies, 2 vs	do	do	12 0	2 28	"						
Tropical World	do	do	10 6	2 00	"						

II. Selections from Periodicals.

1. THE POPULATION OF THE EARTH.

Teachers will find much valuable information in Behm and Wagner's statistical work on the population of the globe. As the work may not be accessible to many of our teachers, we have compiled the following interesting statistics from it. It is estimated that the whole population of the globe for the present year amounts to 1,423,917,000, and the area of land surface they calculate to be 51,340,800 square miles, thus giving an average density of about 28 people to one square mile. These data are apportioned among the various divisions of the globe as nearly as possible as follows:

	Square Miles.	Inhabitants.	Density per Square Mile.
Europe	3,776,493	309,178,300	82
Asia	17,079,383	824,548,500	48
Africa	11,415,894	199,921,600	17½
Australia and Polynesia	3,381,210	4,748,600	1½
America	15,687,840	85,519,800	5½

The following are the populations of the various States of Europe, according to the latest estimates:

Germany, 1875	42,723,242	France, 1872	36,102,921
Austro-Hungary, 1876	37,700,000	Spain, 1870	16,551,647
Switzerland, 1870	2,669,147	Andorra	12,000
Netherlands, 1875	3,805,527	Portugal, 1874	4,298,881
Belgium, 1874	5,338,634	Italy, 1875	27,482,174
Luxemburg, 1875	205,158	Monaco, 1873	5,741
Russia, 1830	71,730,980	San Marino, 1874	7,816
Sweden, 1875	4,383,291	European Turkey	8,500,000
Norway, 1875	1,802,882	Roumania, 1873	5,073,000
Denmark, 1876	1,903,000	Servia, 1875	1,377,068
Great Britain and Ireland, 1876	33,450,000	Montenegro	190,000
		Greece, 1870	1,457,894

The dates indicate the years in which the data were obtained on which Behm and Wagner have based their estimate. In the case of Great Britain, of course, the estimate is founded on the returns of the Registrar-General, for there has been no formal census since that of 1871. In the case of other countries in which the estimate is given for the years 1875 and 1876, it is the result generally of a

regular census, for several Continental governments are not content, like ourselves, with a census once every ten years. Since 1871 the population of Germany has increased by 1,693,762. There seems to have been a census taken in Norway in January of last year, the details of which have not been published, though Behm and Wagner give the probable total as 1,815,000, an increase of about 12,000 on the estimate for 1875. The increase in the case of Great Britain over the estimate for 1875 is 352,000. Portugal shows an increase of about 310,000 since 1871, and if the population of the Azores and Madeira be added, it will raise the number in the table by 378,681. With regard to European Turkey, the estimates given by Behm and Wagner are rather more than those published some time since in an article in the London *Times* on the population of Turkey. The population of Turkey proper is given as 8,500,000; Roumania, 4,469,277, and Servia, 1,377,068. Behm and Wagner's numbers are mainly founded on Kutschera's estimate, the difference between this and that of Herr Jakschitch being mainly caused by a difference of opinion as to the density of population in and around Constantinople, and as to whether any portion of the Asiatic side of the Bosphorus should be included. It is clear, at all events, that the population of Turkey proper does not much exceed eight millions, a little over one-third being Mahomedans. The population of the whole of the Turkish Empire in Europe, Asia, and Africa is given as 47,660,000—20,500,000 being claimed by Egypt, Tripoli, and Tunis, and 13,000,000 by Asia. The total population of Russia, both in Europe and Asia, is set down as 86,568,000, being an increase of 900,000 over the estimate for 1875. As might be surmised, this increase is mainly in Central Asia, and arises from additions to territory. The area given for the whole of the Russian Empire is 8,456,600 square miles, being an increase of 26,000 square miles over that of 1875. This increase has occurred mainly in Central Asia, where the Russian territory covers an area of about 1,290,000 square miles, with a population of 4,650,213.

The entire population of Asia is larger by about twenty-five millions than the estimate given in last year's issue of Behm and Wagner's work. The increase mainly falls upon the East India Islands and Anam, the figures in the case of the latter being more than double those given in the tables of last year, viz., 21,000,000. The population of British India is rather less than last year, being 188,093,700; that of British Burmah being about 2,750,000, including tributary or protected States. The whole population of British India is close on 239,000,000. In a map of India which accompanies the work the varying density of the population in India is shown—from five inhabitants to over 750 per square mile. The greatest density is found, of course, about Calcutta, as also in patches all along the East coast and over all the North-western Provinces. The population of China is given as 405,000,000, with 28,500,000 of outlying people. Hong Kong seems to have decreased by upward of 2,000 since last year, the number now given being 121,985. Japan is set down at 33,299,014.

According to the latest statistics, the whole population of Australia amounts to 1,367,000; of New Zealand to 421,326. In the Fiji Islands the native population seems to be rapidly decreasing. It is calculated now to exceed 70,000, while the whites, who in 1872 numbered 2,940, were last year only 1,650.

With regard to Africa, the population of Algeria was, in 1875, estimated to be 2,448,961. The population of Egypt shows a slight increase over last year, being now 17,000,000. The inhabitants of Port Said now number 9,650, and of Ismailia 3,779. Many details are given concerning the area and population of the Soudan and Central and West African States, the results of recent explorations. The British possessions in South Africa show an increase of territory and population, the latter numbering, according to latest data, 1,338,702.

There is an increase over the whole of America of upwards of 1,200,000 over the number given last year. This increase seems to a considerable extent due to the fact that more recent statistics have been obtained since last year, the data in many instances referring to 1875 and 1876. The population of Newfoundland, *e. g.*, is that of 1874, and is 161,386, showing a large increase over that of 1869. Canada is still 3,672,115, and the United States nearly 40,000,000. Mexico stands at 9,276,079, and this must be from quite recent data, as last year's number was that of 1872. The Central American States show a slight decrease, the number this year being 2,828,164; the West Indies, 4,316,178; and all South America, 26,309,700, of which Brazil claims upward of 11,000,000.

A list of about 215 towns is given, which contain 100,000 or more inhabitants. On the exact line are Abeokuta, Herat, Leon (Mexico), and a considerable number of Chinese towns, the estimate of whose population must be founded mainly on conjecture. There are 29 towns whose population reaches or surpasses 500,000. Those at or above a million are: Berlin, 1,045,000; Canton, 1,000,000; London (1876), 3,489,428; New York, with Brooklyn (1875),

1,536,622; Paris, 1,851,792; Seangtoli, Shanchowfu, and Singanfu (China), each 1,000,000; and Vienna, 1,001,999.

The entire area of British possessions abroad is given at 7,964,752 square miles, with a population of 203,941,766—excluding, of course, the protected Indian States.—*School and Home.*

## 2. CLIMATOLOGY.

A paper "on the climates of the various British Colonies" was read by Mr. G. J. Symons, F.M.S., at the meeting of the Royal Colonial Institute, held on the 13th March, 1877, in which he dwells upon the want of uniformity of the methods of observation, and he proposes as a remedy for this evil the following:—“(1) That the attention of the Governments of the various Colonies be called to the fact, that there are scarcely any two of which the official records of the meteorology are strictly comparable, and that they be urged to arrange for a conference of the whole of the Directors, with instructions for them to discuss the method best adapted for universal adoption, and to bind themselves uniformly, universally, and rigidly to carry out the method recommended by the majority. The votes at the conference to be weighed proportionally to the number and equipment of the stations under the direction of each member of the congress. (2) Failing this, which would be the proper course, useful information might be obtained by stipulating that at every principal observatory a Stevenson screen with the four usual thermometers be erected, and that the instruments be read at 9 A.M. and 9 P.M. daily, and the observations printed *in extenso*, with no corrections except for instrumental error. This would not cost 10l. per station, even if freight be added to the cost of the apparatus.”

His remarks as to Canada are as follows:—

“The climate of the vast territory (nearly as large as Europe) now known as the Dominion of Canada, is far too large a subject to be dismissed in a few words, and yet no other course is open to me. The separate publications on the climates of the various provinces are neither numerous nor important, and, except for Toronto, I know of no publication of observations or results for any considerable number of years. In 1871 Professor Kingston, of Toronto Observatory, was appointed to the directorship of the then newly-created meteorological office of the Dominion of Canada, and since that time the results from the various stations, both public and private, have been published in his annual reports. In the course of time these volumes will become of great value; but at present, being strictly confined to a statement of the facts observed in each year, without a word of comment, and without a single comparison with previous years, they are not in a form available to any but a strictly scientific investigator, and even he would have much work to do which ought to be done by the Canadian Meteorological Office. At present it would appear that the funds or staff at Professor Kingston's disposal are inadequate.

Under these circumstances, I have had to fall back for data for the present note upon other publications, and I only claim for the following that they are the best readily attainable:—

Toronto: Mean temperature 44°·1, highest 99°·2, lowest—26°·5, range 125°·7, mean daily range 16°·6, mean humidity 77, mean rain 36 in.

St. John's, Newfoundland: Mean temperature 13°, highest 92°·5, lowest—21°·0, range 113°·5, daily range 14°·4, rainfall 55 in.

Spence's Bridge, British Columbia: Mean temperature 45°·3, highest 100°, lowest—29°·0, range 129°·0, daily range 19°·3, humidity 62, rainfall doubtful.

Manitoba, Winnipeg: Mean temperature 31°·3, highest 95°·0, lowest—43°·1, range 138°·1, daily range 23°·2, humidity 84, rainfall 22 in.

## 3. THE EDUCATION DEPARTMENT OF THE INTERNATIONAL PERMANENT EXHIBITION AT PHILADELPHIA.

We have been furnished with a copy of the official bulletin of the International Exhibition company, and are thus enabled to give our readers the following interesting facts:—

A special attraction of the exhibition is the educational department. Thirteen thousand square feet of floor space have been set apart for an educational display. This department includes the following important features: 1. Model school-rooms, graded and ungraded. 2. School work from different countries, states and cities. 3. School apparatus, classified according to the subjects they are intended to illustrate. 4. School-books, charts, maps, etc., arranged according to subjects treated. 5. Natural history collections. 6. Models, plans and photographs of school buildings. 7. Work done by students in universities, colleges, scientific and technical schools, normal and commercial schools, and benevolent insti-

tutions. 8. School laws, reports, journals, blanks and forms. 9. Periodical literature, including newspapers, magazines, etc. An attempt has been made to collect at least one specimen of every newspaper, journal, magazine, or other periodical issued in this country. These are arranged according to the States in which they are published.

#### SCHOOL-ROOMS.

Rooms are fitted and furnished to represent: I. *Rural Schools*.—An ungraded school with one room. 2. A graded school with two rooms. II. *City Schools*.—3. A Kindergarten school. 4. A Primary school. 5. An Intermediate school. 6. A High school. The design is to make each room a model of its kind, which shall contain every appliance needed by the most skilful teacher, and no expense will be spared to obtain the most desirable apparatus that can be procured either in this country or abroad. Various systems of ventilation will be represented.

#### SCHOOL WORK.

Space contiguous to each of the school-rooms will be fitted up for the display of pupils' work. Each city that agrees to contribute work will have allotted to it sufficient wall and floor space to admit of three cases, each ten feet high and two feet wide, and as deep as the material furnished requires. One of these cases will be for the reception of work from the primary rooms, one for that from intermediate rooms, and one for that from advanced grades. There will also be exhibited work from colleges, universities, normal, commercial and art schools, and benevolent institutions. In the Kindergarten school will be exhibited all the material used in a complete Kindergarten course, and also the best specimens of work done, of all kinds, and by children of all ages.

#### BOOKS, MAPS AND CHARTS.

will be classified and displayed in cases, and upon uprights and frames, according to the subjects treated. For example, all the arithmetics published in this and other countries, so far as they can be secured, will be brought together in one case. So with geographies, etc.

#### SCHOOL OF ARCHITECTURE.

The department is prepared to exhibit to the best advantage, models, designs, drawings, prints, and photographs of school-houses and heating apparatus and arrangements for lighting and ventilating, illustrating the best manner of applying each to the purpose for which it is designed. The models will comprize one, two, three, and four-room buildings, and such as are denominated grammar and high schools in large cities.

#### COLLECTIONS IN NATURAL HISTORY

will be exhibited in this department, for the purpose of showing their importance as educational aids in all institutions of learning. They will be so arranged as to support what is needed in schools of different grades. It is hoped that this exhibition will have the effect of directing more attention to the study of Natural History. To attain this end it is intended to make this department very complete, systematic, and attractive. Specimens will be exhibited fully illustrating the following branches: Botany, Zoology, Geology and Natural History of man. All who can contribute to the exhibit are earnestly invited to do so.

#### THE ARRANGEMENT OF EXHIBITS

will entail no expense upon the exhibitors. All show-cases, platforms, counters, frames, etc., will be provided by the commission. An intelligent person will be employed to take charge of the department, and will be in constant attendance to give all needed information to visitors.

#### LECTURES, ETC.

A room will be fitted up in which from time to time, lectures will be given and discussions carried on upon topics connected with the schools. It is intended, if practicable, to have classes gathered in the class-rooms occasionally and taught there.

#### 4. EAST MIDDLESEX COMPETITIVE EXAMINATION.

The following rules and regulations for the competitive examination in East Middlesex have been adopted by the Teachers' Association:

1. That the examination be held in the City of London during the week following Christmas Day.
2. That the examination continue for two days.
3. That three prizes be given for general proficiency in the subjects prescribed for examination of third-class teachers at the time of holding the examination.
4. Candidates to be eligible for examination must be between five

and twenty-one years of age, and must have attended school at least one hundred days during 1877.

5. Pupils from a High School are not eligible unless they attend a Public School one hundred days since attending a High School.

6. Pupils who have attained the requisite number of marks for a third-class certificate, but not obtained the certificate owing to their minority, are not eligible.

7. The Inspector shall have power to use his own discretion in regard to pupils who have attended, more than one Public School during the year.

8. Messrs. Dearness and Carson, Inspectors of Public Schools, are empowered to prepare printed papers, conduct the examinations and obtain necessary assistance from any source except teachers of East Middlesex.

9. Five pupils from each school are allowed to compete.

10. The names of candidates must be handed in to the Inspector by the 15th of December.

11. Certificates of attendance are required from teachers.

The silver medal offered by A. M. Ross, Esq., to the best scholar in each municipality in the Eastern Inspectorate will be competed for in the same place, at the same time, and under the same regulations.—Sec.

### III. Extracts from the Inspectors' Reports.

#### County of Lanark.

January 23rd, 1877.—I find the introduction of reports a difficult matter. Several have commenced and then dropped them. Trustees generally think the money spent in procuring them, wasted.

Examinations are held generally, and are tolerably well attended in July and December.

The giving of prizes is on the increase—but they are often given not on the "merit card" system.

The general principles of the School-law are universally recognized and carried out; but many minor points are neglected. Proper classification is an established fact now.

The Programme and Limit Tables are not strictly followed in many schools. *Object lessons, Drawing, and Music* are generally omitted, and *History*, and all extra subjects in the 4th class. I cannot encourage or scarcely countenance the introduction of these subjects into the school programme, where there is so much to be done in the rudimentary and essential branches of a Public School education. The answer to this question must be taken in most cases with this general qualification.

There are few Libraries now existing in the county that are worthy of the name. The municipality of Dalhousie, N. Sherbrooke and Lavant (united), and also that of Ramsay seem to have been well supplied at one time, but they have not been kept up. I am aware of only one small Library (S. S. No. 5 Pakenham), having been purchased during the last six years.

There is no such thing as a "private room" for the teacher in the county.

I may state that I have succeeded very well in getting commodious and well arranged school-houses erected, and there are but two or three more badly needed. The outside premises are far behind what they should be. I turn my attention to them next.

H. L. SLACK,  
Inspector, Lanark.

#### County of Leeds.

District No. 2, Feb. 26th, 1877.—During the year five new school-houses were completed—four of them are built of brick, and contain class-rooms, and one is a frame building without a class-room, making thirty new school-buildings erected in this part of the county since 1871. Most of the school sites contain at least half an acre of land, and are suitably enclosed. The improvements are not limited to school-houses and school-premises, as the following statistics show:—

Number of pupils attending school in 1875, in 1876.	
"	" less than 20 days 415 " 401
"	" 20 to 50 " 849 " 828
"	" 50 to 100 " 1,051 " 986
"	" 100 to 150 " 834 " 970
"	" 209 to 200 " 560 " 724
"	" over 200 " 110 " 110

This exhibits a very marked increase in the number of pupils attending from 100 to 200 days, and a diminution of the number attending less than 100 days during the year. In 1875, there were 51 children between the ages of 7 and 12 years not attending school

according to law. In 1876, the number not attending was 42, showing a decrease of nine.

Total number, average attendance and percentage of pupils attending school in :—

	Total.	A.A.	per cent.
1874	3,906	1,497	38
1875	3,818	1,556	40
1876	4,019	1,664	41

In reference to this apparently low percentage a word of explanation is necessary. In rural schools there are, generally speaking, two sets of scholars which may be described as summer and winter pupils. There are, also, some poor sections in which the school is kept open only from six to eight months during the year. It is gratifying, however, to see that the percentage is steadily increasing.

Amount paid for teachers' salaries in :—

	Total.	Highest Salaries.
1874	\$14,385.00	\$450
1875	\$16,259.31	\$500
1876	\$15,774.46	\$500

This item also shows a yearly increase.

Amount paid for all public school purposes in :—

1874	\$24,083.90
1875	28,791.71
1876	28,115.25

There is yet one very important particular in which satisfactory improvement is not being made. I refer to the small number of Third-class Teachers who succeed in obtaining a highest grade of certificate. While it is true, that for the most part they are doing their work well, it is, nevertheless, true that third-class work, no matter how well done, is not such as is required in the majority of our schools.

We have no doubt but the various amendments of the School Law will, if adopted, have a tendency to increase the number of those holding Provincial Certificates, and, at the same time, provide a way by which teachers just entering the profession may be better able to qualify themselves for the proper discharge of the practical duties of the school-room.

ROBERT KINNEY,  
Inspector, No. 2 Leeds.

County of Ontario.

February 26th, 1877.—*Ample School Accommodation.*—A revolution has been gradually and voluntarily effected in this matter. Old things have passed away and all things have become new. Eleven out of fourteen municipalities have risen up to the high and intelligent standard of the law. The new school-houses erected are, indeed, the people's colleges, and monuments to their intelligence and liberality.

*Teachers.*—There are 145 certificated teachers; seven first and thirty-eight second class Provincial, twelve Old County Board, eighty-five third-class New County Board;—that is to say, about two-thirds of the teachers are third-class. The machinery of our education system possesses a very high degree of perfection, but we stand in sore need of trained, experienced and skilful men to run the machine so as to accomplish the grand object for which the system was founded. Without training, experience or adaptation, many embark in the profession, and, having neither compass nor rudder to guide them, they steer for no particular harbour; or, in other words, they have no rational end in view, and use no means to attain such an end.

This leakage can only be stopped by paying teachers an adequate price for their time, talents and experience. I am more than glad the Honourable Minister for Education is about to remedy this gigantic evil by establishing Teachers' Institutes.

*Salaries.*—The average salaries paid to male teachers was only \$407. Any one except the avaricious can see at a glance that this amount is inadequate to support a man with a family, and therefore men of talent are continually quitting the profession.

JAMES MCBRIEN,  
Inspector, Ontario.

County of Lincoln.

March 2nd, 1877.—I have the honour to state that the results of the frequent changes of teachers, the employment of inexperienced teachers on account of their apparent cheapness, and the irregular attendance of pupils, are painfully evident in the case of such schools as have been subject to their influence. I have, during the year, made every possible effort to draw the attention of trustees to the existence of these evils, and to urge them to active efforts for their removal. These efforts, in many cases, have been followed

by very satisfactory results; but in others, carelessness or false notions of economy, have resisted my endeavours.

The names of the schools whose standing, during the year, has been above the average, are as follows :—

Niagara Township, Nos. 4, 5, 8; Grantham, Nos. 1, 2, 5; Meriton, Port Dalhousie, Louth, Nos. 1, 2, 4, No. 2, No. 6; Clinton, Nos. 1, 3, 4, 5, 6; Grimsby, Nos. 2, 3, 4, 8, 12, No. 7; Gainsboro, Nos. 1, 2, 4, 5, 11; Caistor, Nos. 5, 6, 7.

In order to create a healthy rivalry between the different schools, a report was printed after my regular official visits, and 350 copies distributed throughout the County, giving the standing of each school, and showing the causes that promote or hinder advancement. The effect I find to be beneficial in stimulating the schools to maintain or improve their standing each year, and in directing the attention of trustees to the evil effects of 'cheap teaching,' irregularity of attendance, and frequent changes of teachers.

Prizes are distributed annually in many schools, though not by means of a merit-card system, but by means of a system of marking, that answers the same purpose fully.

On the whole, I am glad to be able to assert that there has been substantial progress and improvement in educational matters in this County during the past year, though I am fully sensible of the urgent need that yet exists for improvement in many respects.

J. B. SOMERSET,  
Inspector, Co. Lincoln.

City of St. Catharines.

January 23rd, 1877.—There are now twenty-three Teachers employed, each in charge of a separate division. In addition to these we have a Drawing Teacher, who is employed to give lessons to the pupils of the Central Schools only.

There are five Primary Schools where the subjects of the 1st and 2nd classes are taught, and the pupils are promoted to the Central School on examinations held just before the midsummer vacation. Our teachers are performing their duties with zeal and ability, and the efficiency and thoroughness of their work is shown to be satisfactory in the results of the various examinations. As it takes a pupil about a year to complete the subjects in each class of the Public Schools, I think it would be a better arrangement to have the entrance examinations to High Schools held only once a year, say at the midsummer vacation.

J. H. COMFORT, M.D.,  
Inspector, St. Catharines.

County of Grey, South.

27th February, 1877.—There were 104 teachers employed. Of these, 4 held Old County Board certificates, permanent while the holders remain in this county; 89 of the lowest, or third class, and only 11 holding Provincial certificates, all second-class. The only teacher in any district holding a first-class certificate, being the master of the Durham (town) Public Schools.

Many of these third-class teachers display tact, and manifest an ardent desire to excel; yet from the constant influx of young persons barely 16 or 18 years of age, who have never enjoyed any special preparation for the successful prosecution of the teachers' profession, it will not be a matter of surprise that in some quarters regret is freely expressed that the better grades of teachers have been supplanted, induced to adopt other professions, or have left for other parts where larger salaries might be obtained.

*Prejudice.*—In a few sections there exists a strong prejudice against instruction in any other than the three Rs,—reading, 'riting, and 'rithmetic; the teaching of grammar, geography, etc., being by some strongly opposed. Intelligent instruction in these and other subjects, however, will in due time remove the opposition, and render the studies objected to, a pleasure, as well as an indispensable privilege. In this department of school work, the trained, the intellectual instructor, has a decided advantage over the merely mechanical teacher. The one draws out and develops the ideas, enabling them to grasp and appropriate the actual instruction given; the other is satisfied with the bare memorizing of words.

*Object teaching* is far too much neglected. For instance, it is no uncommon fact that only the minority of the pupils in some of the schools, have an adequate idea of degrees of longitude or latitude, the horizon, the cube, or even a square inch. I am happy to observe, however, that these remarks are not of general application.

*Penmanship and Elocution.*—Increased attention is also given both to penmanship and to elocution, or the natural and easy method of vocal reading. These are admittedly, accomplishments, the possession of which has been by too many either disparaged, or idly imagined to be within the reach of only a very few.

W. FERGUSON,  
Inspector, South Grey.



*County of Essex.*

*District No. 1.*—I feel much gratified in being able to state, that many of the School sections, mentioned below, which, owing to some previous difficulties, had not yet complied with the regulations in regard to school accommodations, leave now nothing to be desired. Through the energy of their Trustees, good school-houses have been built in School Sections, Nos. 3 and 4 Sandwich West; No. 5, Sandwich East; Nos. 2, 4 and 6 Maidstone, and Nos. 2, 7 and 8 Tilbury West. All these Schools are provided with comfortable seats, some of them with patented ones. I am pleased to say, that the school-houses which have been erected these last two years, greatly surpass those built formerly.

The increase in the average attendance of pupils on 1875, has been during the first six months of 1876, 100, and during the last term of the same year, 172. The number of children in my Inspectorate, who have attended school in the course of a year, is 4,643, of whom 890 between 7 and 12, have attended less than four months or 80 days, and 105 of the same age have not attended any school. There is a general complaint made by the Teachers of the irregular attendance of the pupils at school. However, I must admit, that we are fast gaining on that subject every year. Education is better appreciated by our rural population. Teachers command greater respect and receive better salaries. The time when they were considered (by a certain class of people) as on a par with labourers, has now passed.

The Teachers' Convention which was held in Sandwich last fall, and which was honoured by the presence of the Honourable Minister of Education, and attended by a large number of our best citizens, did a great deal of good in our community. The wise remarks made by the Minister in his address, the good advice which he gave to Teachers and friends of education, along with words of encouragement, were highly prized, for they have had a good effect in the whole County.

Some years ago, the number of qualified Teachers able to teach both French and English in those schools situated among the French population of this County, was limited. Now, I am pleased to say, that the number of our Teachers, in general, is increasing every year, and that those who did not deserve the name, or obstinately followed the old routine in their method of teaching, are replaced by better ones. I feel satisfied, and do not fear to say, that with respect to education, the County of Essex is not behind most of our other counties.

*Town of Sandwich.*—There are three Schools in this Town, one for the Protestant community, one for the Catholic, and the other for the coloured population. The two former have two departments, each of them with assistants. 298 children of school age attend these Schools in the course of the year; none between 7 and 12 years have been deprived of that benefit.

These Schools have never been in a more flourishing condition, or better attended than they are at present. Their management by Trustees and Teachers is all that can be desired.

*Town of Amherstburgh.*—The Roman Catholic Separate School of this Town, which is under my supervision, continues to be partly under the management of the good Sisters of J. M. J., who spare no pains for the advancement of the pupils entrusted to their care. I cannot but repeat what I have said before: the Roman Catholics of Amherstburgh must feel gratified in having such devoted Teachers among them. The Senior department (boys), is conducted by an efficient male Teacher.

In conclusion, I will mention that if so much has been done for education in Essex, it is due to the hearty concurrence I have always received from the Trustees, Teachers and friends of education in general.

F. GIBARDOT,  
Inspector, No. 1 Essex.

*Town of Chatham.*

*February 6th, 1877.*—The state of the schools, is upon the whole as satisfactory as could be expected under the circumstances. The attendance was more than usually affected by sickness. Diphtheria was very prevalent during the latter part of the year, and even still is. There is, however, no doubt, but much of the irregularity of attendance is owing to the want of due care and attention on the part of parents themselves, who exact services from their children during school hours. The absence of children from school, is, however, a matter often of necessity; but the evil effects on themselves, and others, are not the less real.

Toward the latter part of the year, the giving of cards was discontinued, as it was found that they were not carefully preserved. A record is, however, kept of the standing of pupils during each week; such as; *who were deemed worthy of merit cards; how many were awarded, and for what?* If the Board determine to give prizes,

they will be able to learn the standing of each pupil during the year, or period of attending school.

The "Pupils weekly report" has been in use since the latter part of the year, and the good influence has been apparent. There has not been, *practically*, any lack of accommodation. Nothing more than this is meant. The answer in full may be inferred, when it is stated that there are other than Public Schools. There are Separate and Private, as well as Public ones.

There is desk accommodation for 1140 in the Public Schools; allowing 9 square feet for each pupil, there is accommodation for 1090; allowing 10 cubic feet for each pupil, there is accommodation for 1248.

According to the census taken by the Board according to law, the number of children in Chatham between the ages of 5 and 16, was 1946.

The area attached to the Central School was enlarged last year by the addition of an adjacent lot, of about 555 square yards.

Nine pupils were admitted to the High school from the Chatham Central School, during the year 1876.

All the teachers who were in the service of the Board during the latter part of 1876, have been secured for another term.

The Professor of Music has also been retained.

There was no addition made to the Library in 1876, but I am happy to say, that at its last meeting, the Board voted a sum for that purpose.

A. McCOLL,  
Inspector, Chatham.

## IV. Departmental Notices.

## 1. DISCONTINUANCE OF THE JOURNAL OF EDUCATION.

From the official notice published on page 97 of this *Journal*, our readers will see that our editorial labours of thirty years cease with this number.

"*The Journal of Education for Upper Canada*" was started as an educational venture by the late indefatigable Chief Superintendent of Education, the Rev. Dr. Ryerson, in January, 1848. For some years Dr. Ryerson incurred the entire pecuniary risk of the publication of the *Journal*. It was ultimately constituted the official organ of the Department by the Government.

For about 25 years the *Journal* has been gratuitously sent to every School Corporation, and Local Superintendent of Schools in the Province. It has, we humbly believe, been a powerful lever in the hands of the Department in disseminating large and correct views on popular education, and in constantly stimulating local effort for the upbuilding of our school system. It has afforded the best information available in regard to the advantages of Free Schools, thorough supervision and improvement in modes of teaching the schools; necessity of higher qualifications on the part of our teachers; improved school architecture and ventilation of school rooms; kind and judicious discipline in the school room; and the liberal and generous treatment of the teacher in regard to salary, material comforts, vacation and holidays. Nor have we lost sight of the æsthetic culture of our people in their rural homes; their school houses and school premises, and the neat and appropriate adornment of the school room, their supply with school maps, apparatus, library and prize books. These and other kindred subjects, affecting largely the growth and prosperity of our schools, and the upbuilding of our school system, have been the steady aim of the *Journal* to promote. The result has been most gratifying; and every patriotic Canadian points to-day with pleasure and pride to the educational position which thus far Ontario has so honourably won.

Toronto, August 12th, 1877.

3. NORMAL, PUBLIC AND HIGH SCHOOL EXAMINATION PAPERS.

The sets of Examination Papers used in the Normal School during the 20th, 21st, 22nd, 23rd and 24th sessions can be sent free of postage on receipt of 30 cents each. Those of the 25th, 26th, 27th, 28th, 31st, 33rd, 38th, 39th, 40th, 41st, 42nd, and 44th sessions, at 40 cents each, and those of the 45th, 47th, 48th, 49th, 50th, 51st and 54th sessions, at 50 cents each.

The entire sets of Examination Papers for First, Second and Third Class Teachers for July, 1873, December, 1873, or July, 1875 or July 1876, neatly stitched, can be sent free of postage, on receipt of 55 cents per set. Those used at the County Examination for Second and Third Class Teachers for July, 1871, July, 1872, or December, 1873, can be sent, free of postage, on receipt of 50 cents per set.

The High School Entrance Examination Papers for the following years can be supplied, free of postage, at 15 cents per set:—Autumn 1873, January, 1874, June, 1874, December, 1874, June, 1875, December, 1875, or June 1876; also the Intermediate Examination Papers for June 1876.

5. PRICE LIST OF AUTHORIZED TEXT BOOKS FOR SALE AT THE DEPOSITORY BRANCH OF THE EDUCATION DEPARTMENT, ONTARIO.

(For Official List, see page 101.)

ENGLISH BRANCHES.

Canadian National Series of Reading Books.

First Reader, Part I	\$0 04
do Part II	0 07
Second Reader	0 16
Third Reader	0 25
Fourth Reader	0 32
Fifth Reader	0 40
Advanced Reader	0 40
Companion to Readers	0 20
Lewis' How to Read	0 60
English Grammar (Primer), by Rev. R. Morris	0 22
Mason's English Grammar	0 60
Fleming's Analysis of the English Language	0 80
Miller's Analytical and Practical English Grammar	0 30
English Grammar for Junior Classes, by Rev. Dr. Davies	0 20

MATHEMATICS.

Advanced Arithmetic for Canadian Schools, by Barnard Smith, M.A., and A. McMurchy, M.A.	0 40
Elementary Arithmetic for Canadian Schools, by Barnard Smith, M.A., and A. McMurchy, M.A.	0 20
Hamblin Smith's Arithmetic	0 80
Orr's Dominion Accountant	0 35
Beatty & Clare's Bookkeeping	0 55
Hamblin Smith's Elementary Algebra	0 70
Loudon's Algebra for Beginners	0 32
“ Elements of Algebra	0 60
Todhunter's Algebra for Beginners	0 50
“ Elementary Geometry	0 72
Potts' Geometry	0 55
Hamblin Smith's Euclid	0 70

GEOGRAPHY AND HISTORY.

Lovell's General Geography	0 65
Easy Lessons in do	0 40
Campbell's Geography	0 65
Freeman's European History	0 75
History of England, by Edith Thompson	0 55
Outlines of General History, by Collier	0 60
Great Events of History, by Collier	0 60
Lovell's History of Canada and other British Provinces of North America	0 40
Collier's School History of the British Empire	0 40

PHYSICAL SCIENCE.

How Plants Grow, by Asa Gray, M.D.	0 75
Oliver's Lessons on Elementary Botany	1 00
Chemistry (Science Primer), by H. E. Roscoe	0 22
First Lesson in Agriculture, by Rev. Dr. Ryerson	0 40
Physical Geography (Science Primer), by A. Geikie, LL.D.	0 22
Introductory Text Book of Physical Geography, by David Page, F.R.S.E. (for Advanced Classes)	0 50

NATURAL PHILOSOPHY.

Elementary Statics, by J. Hamblin Smith, M.A.	\$0 60
Elementary Hydrostatics, by J. Hamblin Smith, M.A.	0 55
Magnus' First Lessons in Mechanics	0 80
Kirkland's Elementary Statics	0 80
Scripture Lessons, Old and New Testament (National)	0 80

Books recommended for Teachers' use:

Abbotts' How to Parse	0 80
Swinton's Language Lessons	0 22
“ Progressive Grammar	0 55
Green's Short History of the English People	1 40
Elementary Physiology, by Prof. Huxley	0 90
Health in the House, by Catharine M. Buckton	0 47
Goodeve's Principles of Mechanics	0 80
Twisden's Elementary Principles of Mechanics	1 85
Series of Drawing Lessons, by Arthur M. Smith:	
Primary Manual	0 80
Intermediate Manual	1 00
Drawing Books (advanced), each	0 20
“ “ (intermediate), each	0 12

MISCELLANEOUS TEXT BOOKS.

Arithmetic.

Fish's Arithmetical Problems oral and written	0 80
Dalton's Rules and Examples in Arithmetic	0 55
Sanford's Higher Analytical Arithmetic	1 30
Key to Smith and McMurchy's Elementary Arithmetic	0 60
“ “ “ Advanced Arithmetic	1 10
Smith's, Barnard, Exercises in Arithmetic	0 55
“ “ Examination Papers in Arithmetic, with answers	0 40
Wentworth's Arithmetical Problems	0 53
McLellan & Kirkland's Exam. Questions in Arithmetic	0 80

Atlases, Geography, &c.

Nelson's Junior Atlas	0 35
“ School “	0 73
Johnson's General “	2 75
“ Physical “	2 75
“ Elementary Atlas	1 10
“ Astronomical “	2 75
“ Unrivalled “	0 84
“ Junior College “	0 60
Philip's Atlas for beginners	0 55
“ Young Scholars' Atlas	0 55
“ Select Atlas	1 60
“ Scripture Atlas	0 35
“ Classical “	1 25
“ School Atlas Physical Geography	2 40
Grove's Primer of Geography	0 22
Tozer's Classical Geography (Primer)	0 22
Keith on use of Globes	1 00
Key to “ “	0 50
Sullivan's Geography Generalized	0 40

Bible Text Books.

Kitto's Cyclopædia of Biblical Literature	1 81
Cruden's Concordance	0 67
Trench's Synonyms of New Testament, 2 vols.	2 68
Teacher's Pictorial Bible, and Bible Dictionary	1 63

Book-keeping.

Johnson's Book-keeping	0 28
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Chemistry.

Macadam's Chemistry of Common Things	0 29
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Drawing.

Davidson's Linear Drawing	0 44
“ Right Lines in right places	0 22
Bartholomew's Drawing Cards, No. I., and Guide by Miss Stickney	0 50
Bartholomew's Drawing Cards, No. II., and Guide by Miss Stickney	0 50
Bartholomew's Drawing Cards, No. III., and Guide by Miss Stickney	0 50

Elocution.

Bell's Standard Elocutionist	0 75
Routledge's Modern Speaker and Reciter	0 67
Ewing's Principles of Elocution	0 67
Hartley's English Elocutionist	0 76





Virgil, First Book of the <i>Aeneid</i> .....	0 22
“ Second “ “ “ .....	0 22
“ Third “ “ “ .....	0 22
“ Fourth “ “ “ .....	0 22
“ Fifth “ “ “ .....	0 22
“ Sixth “ “ “ .....	0 22

Cornelius Nepos .....	0 18
White's Junior Student's English and English Latin Dictionary .....	2 64
Riddle's Young Scholar's English Latin and Latin English Dictionary .....	2 31

LATIN AND GREEK OXFORD POCKET CLASSICS. (Bound in Cloth.)

Cæsar's Commentaries .....	0 40
Cornelius Nepos .....	0 20
Juvenalis et Persius .....	0 20
Livy (4 vols.) .....	1 00
Lucretius .....	0 35
Phaedrus .....	0 20
Virgilius .....	0 45
Virgatus (2 vols.) .....	0 80
Euripidis Tragoedias Sex .....	0 40
Æschylus .....	0 35
Æschines et Demosthenes .....	0 40
Thucydidis Historia (2 vols.) .....	0 85
Euripidis Opera Omnia (3 vols.) .....	0 95
Sophocles .....	0 35
Aristotelis Ethica .....	0 25
Xenophon Memorabilia .....	0 20
Aristophanes (2 vols.) .....	1 00
Homeri Ilias .....	0 60
Herodoti Historia (2 vols.) .....	1 00
Tacitus .....	0 85

LATIN AND GREEK TEXTS. WITH NOTES. (To accompany the Oxford Pocket Classics. Paper Cover.)

Georgicii Virgilio .....	0 20
Horatii Carmina .....	0 30
Bucolica Virgilio .....	0 15
Cornelius Nepos .....	0 20
Horace's Ars Poetica .....	0 15
Horatii Satiræ .....	0 15
Sophocles' Ajax .....	0 15
“ Antigone .....	0 15
“ Electra .....	0 15
“ Ædipus Coloneus .....	0 15
“ Philoctetes .....	0 15
“ Ædipus Tyrannus .....	0 15
Aeschylus' Prometheus Vincit .....	0 15
Aeschylus' Eumenides .....	0 15
“ Choephora .....	0 15
“ Supplices .....	0 15
“ Septem Contra Thebas .....	0 15
“ Persæ .....	0 15
“ Agamemnon .....	0 15
Euripidis Alcestis .....	0 15
“ Phoenissæ .....	0 15
“ Medea .....	0 15
“ Orestes .....	0 15
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