

—We are pleased to record the appointment of Mr. White, late Principal of the Lindsay Separate Schools, as Inspector of Separate Schools for Ontario. Mr. White is a young gentleman of ability, and his training and experience have been such as to warrant the prediction that he will perform the duties of his new position with success. When Archbishop Lynch generously offered a reward of one hundred dollars to the first Roman Catholic student who would secure a First-Class certificate, Grade A, from the Toronto Normal School, Mr. White carried off the honors. We hope that he may be of great service to the cause of education generally in his new position.

—The teachers of England are to be congratulated on the fact that the Government Inspectorships are to be opened to them in future. In the past, Her Majesty's Inspectors did not require to have any practical experience in teaching in the public schools. This was clearly wrong, and doubtless led to the numerous complaints frequently made to the English Department, concerning the unjust and unreasonable actions of the Inspectors. It must have been galling to an experienced teacher to feel that his Inspector, however scholarly he might be, was often totally at sea in the school room. The new Regulation will have a most beneficial influence in elevating the general standard of the profession, and in developing a proper spirit among its members.

—We clip the following from the *London (England) School Master*. It illustrates one aspect of the woman's rights movement. It must not be inferred that all women on School Boards exhibit such weakness. Many of them are excellent members. "There is a good story to tell of the way in which the lady members of the School Board revenge themselves. The scene is a special committee, in which Mrs. A., who is interested in the matter under investigation, but not a member of the committee, is allowed to be present on sufferance, and of course cannot take part in the discussion. Mrs. B. is daggers drawn with Mrs. A., and is a member of the committee. Fate happens to place Mrs. A.'s chair next Mrs. B.'s, and Mrs. B. takes advantage of the situation. Selecting the largest pen she can find, she dips it as far as it will go in the deepest inkstand, and makes a point of shaking off the superfluous ink in the most innocent manner possible on to Mrs. A.'s dress. Mrs. A. (who, by-the-by, dresses better than any other lady on the Board, and therefore has incurred their mortal hatred) shifts her skirt, but is still pursued by the energetic scribe. At last, moved to remonstrance, she says, 'Mrs. B., I wish you wouldn't throw your ink on my dress.' Says Mrs. B., spluttering with her quill at a great rate, 'I can't help your dress, Mrs. A. You needn't be here, you know. You are not wanted.' How pleasant, and how truly feminine!"

—Mr. McLean, the energetic Principal of the Model School, Milton, has, in addition to his Model School and Public School duties, undertaken to prepare a class of four students for Intermediate Examination.

—Mr. Wellwood, Principal of High School, Oakville, urges the existence of only one Examination for admission of pupils to High School.

IMPORTANT ANNOUNCEMENT TO TEACHERS.

We have pleasure in advising our friends that in connection with the "Canada School Journal" we have secured the services of

G. W. ROSS, Esq., M. P. (Middlesex),

one of the ablest and most practical educators in the country.

The popularity deservedly gained by Mr. Ross as one of the most gifted lecturers that has ever appeared before Teachers' Associations in this country—has induced us to place his services at the disposal of Associations in the months of May and June, and during such months as we may find most convenient the latter part of the year.

In addition to the well-known ability of Mr. Ross, we can add the services of our

Mr. J. H. METCALFE, M.P.P. (Kingston),

—AND—

Mr. J. L. ROBERTSON,

who will at once be prepared to attend Conventions in the interests of the Journal. As both of the latter gentlemen have had a large experience in School work, much valuable aid may thus be given.

Associations desiring the presence of any of the above-named gentlemen will please note—That, as NO CHARGE WILL BE MADE for services rendered or expenses incurred, many requests will be received for attendance at Conventions, it will therefore be desirable to communicate with us at an early date—if possible, six or eight weeks before proposed Convention will take place.

In arranging for attendance at Conventions, please state how long services will be desired, so that it may be distinctly known how much time will be required at each place.

The circulation of the "School Journal" during the past year has reached nearly 5,000, five times larger than that of any other Educational paper published in Canada. This success, with the high praise bestowed upon the Paper by the leading Educationists in America and Great Britain, has induced us to make every effort to place our Paper in the hands of every Trustee and Teacher in the Dominion.

All communications intending to secure aid at Associations, should be addressed to our firm.

We are,

Yours faithfully,

W. J. GAGE & CO.

Mathematical Department.

SOLUTIONS TO PAPER IN FEBRUARY NUMBER

SUITABLE FOR INTERMEDIATE EXAMINATIONS.

ALGEBRA.

1. (a) See H. Smith's Algebra, Section 58.

(b) Take a as letter of reference, arrange coefficients of dividend thus: $(2x - y)^2 + 0 - x^2(x + y)^2 + 0 + 2x^4(x + y) - x^6$. Apply Horner's method. Quotient $= a^2(2x - y) + ax(x + y) - x^2$.

(c) $a + b + c = 0 \therefore a^2 + b^2 + c^2 = -2(ab + bc + ca)$
 $(a^2 + b^2 + c^2)^2 = 4(a^2b^2 + b^2c^2 + c^2a^2) + 8abc(a + b + c)$

$= 4(a^2b^2 + b^2c^2 + c^2a^2) + 0$, since $a + b + c = 0$ (A)
 also, $(a^2 + b^2 + c^2)^2 = (a^4 + b^4 + c^4) + 2(a^2b^2 + b^2c^2 + c^2a^2)$, comp. with (A)
 and $a^4 + b^4 + c^4 = 2(a^2b^2 + b^2c^2 + c^2a^2)$
 $\therefore 2(a^4 + b^4 + c^4) = 4(a^2b^2 + b^2c^2 + c^2a^2) = (a^2 + b^2 + c^2)^2$.