

of the chief burghs. Deputations have proceeded to London, and have had interviews with the leading members of both sides of the House.

— UNIVERSITY OF ST. ANDREWS.—At the half-yearly meeting of the general Council, held in the end of March, Lord Jerviswoode was elected the Council's Assessor to the University Court, in room of Dr. Cook. The Council expressed itself favourable to the movement for University representation. A College Hall has been instituted for the residence of students at this University. Henry T. Rhoades, Esq., B.A., University College, Oxford, has been appointed Warden.—*Museum.*

— MIDDLE-CLASS PUBLIC SCHOOLS.—Lord Brougham lately presided at an influential meeting in St. James's Hall, in support of a movement for establishing schools for the "upper, middle, and lower middle-classes," on the model of Eton and Harrow. The Society of St. Nicholas College, which has this object in view, has been in existence since 1848, and has already three different institutions in operation,—1st, a grammar school at Lancing, for the sons of gentlemen; 2nd, a boarding school for the sons of tradesmen, containing nearly 300 boys (terms, £20 to £30 a-year), and a training college for masters, at Hurstpierpoint, in Sussex; 3d, a cheap boarding school at Shoreham, for the sons of shopkeepers and artisans, attended by 230 boys (terms, 13 guineas a-year.) The meeting pledged itself to assist the society in erecting a building to accommodate 1000 boys, as a public boarding school for the "lower middle-classes."—*Ibid.*

— THEOLOGICAL STUDENTS IN SCOTLAND.—The total number of students in Scotland attending the Theological Halls of the five dissenting denominations, is 398; and of students attending the Established Church Halls, 294; in all, 692,—representing about 159 added to the number of probationers in all the churches.

### UNITED STATES.

— VASSAR FEMALE COLLEGE.—We learn from the *Massachusetts Teacher*, that Matthew Vassar, Esq., of Poughkeepsie, N.Y., has given \$408,000 in trust, to found a female college in that town.

— YALE COLLEGE.—Joseph E. Sheffield, Esq., of New Haven, has given \$100,000 to Yale College, to improve its scientific department.

### XIII. Literary and Scientific Intelligence.

— A NEW RESISTANCE THERMOMETER has been devised by Mr. C. W. Siemens, who was appointed by the Government to examine into the electric condition of the Rangoon and Singapore telegraph cable. His instrument consists of a rod or tube of metal about eighteen inches long, upon which silk-covered copper wire is wound in several layers, so as to produce a resistance of about 1000 units (Siemens) at the freezing temperature of water. The rod is covered with sheet india-rubber, inserted in a tube hermetically sealed, and the apparatus is then connected with a galvanic battery, &c. By this instrument, after ten days' use, such an increase of temperature was detected in the interior of the cable as would inevitably destroyed it if the generation of heat had remained unchecked.

— A NEW ELEMENTARY BODY has been discovered by MM. Bunsen and Kirchhoff, in the course of their examination of the colorific effects of different metals. In the course of their investigations, some mineral waters gave results which could not be accounted for by any other of the previously observed facts, a new colour starting up before their eyes, and occupying a hitherto blank space in the glowing row of metals. Evidently this was a new element which thus revealed itself to an optical inspection. The next point was to collect some of the unknown body; but this for a long time baffled their chemical resources. After boiling down twenty tons of mineral water, however, and submitting the residue to various chemical agents they had at their disposal upwards of one hundred grains of Cæsium; this being the name under which the new metal enters the domain of science, given to it to recal the colour which it communicates to flame.

### XIV. Departmental Notices.

#### PUBLIC LIBRARY BOOKS, SCHOOL MAPS, APPARATUS, AND PRIZE BOOKS.

The Chief Superintendent will add *one hundred per cent.* to any sum or sums, *not less than five dollars*, transmitted to the Department by Municipal and School Corporations, on behalf

of Grammar and Common Schools; and forward Public Library Books, Prize Books, Maps, Apparatus, Charts, and Diagrams, to the value of the amount thus augmented, upon receiving a list of the articles required. In all cases it will be necessary for any person acting on behalf of the Municipal or Trustee Corporation, to enclose or present a written authority to do so, verified by the corporate seal of the Corporation. A selection of articles to be sent can always be made by the Department, when so desired.

#### FORM OF APPLICATION FOR PUBLIC LIBRARY BOOKS, MAPS, APPARATUS, SCHOOL PRIZE BOOKS, ETC.

[Insert Post Office address here.]

SIR,—The [*Trustees, or Board of Trustees, if in Towns, &c.*] of the ..... School being anxious to provide [*Maps, Library Books, or Prize Books, &c.*] for the Public Schools in the [*Section, Town, or Village, &c.*] hereby make application for the ....., &c., enumerated in the accompanying list, in terms of the Departmental Notice relating to ..... for Public Schools. The ..... selected are *bona fide* for the .....; and the CORPORATION HEREBY PLEDGES ITSELF not to give or dispose of them, nor permit them to be given or disposed of, to the teacher or to any private party, OR FOR ANY PRIVATE PURPOSE WHATSOEVER, but to apply them solely to the purposes above specified in the Schools of the ....., in terms of the Departmental Regulations granting one hundred per cent. on the present remittance. The parcel is to be sent to the ..... Station of the ..... Railway, addressed to .....

IN TESTIMONY WHEREOF, the Corporation above-named, hereto affixes its corporate seal to this application, by the hand of .....\*, this ..... day of ....., 186-.

Amount remitted, \$.....

Trustees must sign their own names here.—See page 41.	} .....	} Corporate seal to be placed here.

To the Chief Superintendent of Education,  
Toronto.

NOTE.—Before the Trustees can be supplied, it will be necessary for them to have filled up, signed, and sealed WITH A PROPER CORPORATE SEAL, as directed, a copy of the foregoing Form of Application. On its receipt at the Education Office, the *one hundred per cent.* will be added to the remittance, and the order, so far as the stock in the Depository will permit, made up and despatched. Should the Trustees have no proper corporate seal, the Department will, on the receipt of *two dollars* additional, have one engraved and sent with the articles ordered.

\* \* If Library and Prize Books be ordered, in addition to Maps and Apparatus, it will be NECESSARY TO SEND NOT LESS THAN *five dollars* additional for each class of books, &c., with the proper forms of application for each class.

☞ The *one hundred per cent.* will not be allowed on any sum less than *five dollars*. Text books cannot be furnished on the terms mentioned above: they must be paid for in full, at the net catalogue prices.

#### ERRATA IN THE SCHOOL MANUAL.

In the Programme for the Examination and Classification of First Class Common School Teachers, on page 145 of the *Trustees' Manual*, an error occurs in one of the paragraphs, by which the word "four" is left out. The paragraph should read as follows:

4. To know the first four books of (Pott's) Euclid.

Another error occurs in a subsequent paragraph, which should read as follows:

6. To have some acquaintance with the elements of vegetable and animal physiology, and natural philosophy, as far as taught in the fifth book of national readers.

\* The Trustees of the Section; Chairman and Secretary of the Board of City, Town, or Village Trustees; Warden, Mayor, or Reeve.