

— **WORMS ON SHADE TREES.**—Now is the time to destroy the next crop. Any person looking on our trees or fences will see what appear to be small bunches of cotton attached to them. On examination they will be found to be masses of eggs, which are to furnish a future supply of worms. By destroying the eggs now, we save our trees for future use and ornament, and ourselves from the annoyance of worm nuisance.

— **AURIFEROUS STEEL.**—Attention is being attracted in England to a very remarkable invention of Mr. William Longmaid, which proposes to improve the quality of iron and steel by a small actual tare of gold or platinum, or both. Different alloys of the same kind have been already attempted, but nothing has been accomplished, owing to the large quantity of the precious metals used. Mr. Longmaid finds that a half-ounce of one of the above-mentioned metals, or of the two mixed, can be made to penetrate a ton of iron or steel, materially improving its density, ductility and tenacity. A still smaller amount will be found very useful. For bells, Mr. Longmaid has employed as much as three ounces of the precious metal to the ton to great advantage in getting a very sonorous metal.

— **CHEAP INCOMBUSTIBLE DRESSES.**—Sulphate of salt or of soda, mixed in small quantities with the starch in which summer dresses or ladies' skirts are "done up," on the authority of Dr. Odling, of Guy's Hospital, London, will make them absolutely incombustible.

XVI. Departmental Notices.

NO PENSIONS TO COMMON SCHOOL TEACHERS

UNLESS THEY SUBSCRIBE TO THE FUND.

Public notice is hereby given to all Teachers of Common Schools, or Teachers of the English branches in Grammar Schools, who are legally qualified Common School Teachers in Upper Canada, who may wish to avail themselves at any future time of the advantages of the Superannuated Common School Teachers' Fund, that it will be necessary for them to transmit to the Chief Superintendent, if they have not already done so, their subscriptions, at the rate of \$5 per annum for each preceding year, commencing with 1854, and at the rate of \$4 per annum for the current year's subscription. The law authorizing the establishment of this fund provides, "That no teacher shall be entitled to share in the said fund who shall not contribute to such fund at least at the rate of one pound per annum." No pension will be granted to any teacher who has not subscribed to the fund, in accordance with the preceding regulations of the Council of Public Instruction.

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 Maps, Apparatus, Library and Prize Books, &c., 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. } } 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.

PRE-PAYMENT OF POSTAGE ON BOOKS.

According to the new Postage Law, the postage on all books, printed circulars, &c., sent through the post, *must be pre-paid by the sender*, at the rate of one cent per ounce. Local Superintendents and teachers ordering books from the Educational Depository, will therefore please send such an additional sum for the payment of this postage, at the rate specified, and the Customs duty on copyright books, as may be necessary.

ASSORTED PRIZE-BOOKS, IN PACKAGES,

Selected by the Department, for Grammar or Common Schools, from the Catalogue, in assorted packages, as follows:—

Pkge. No. 1.	Books and Cards,	5cts. to 70cts.	each.....	\$10
" No. 2.	Ditto ditto	5cts. to \$1.00	each.....	\$16
" No. 3.	Ditto ditto	10cts. to \$1.25	each.....	\$20
" No. 4.	Ditto ditto	10cts. to \$1.50	each.....	\$26
" No. 5.	Ditto ditto	15cts. to \$1.75	each.....	\$30
" No. 6.	Ditto ditto	15cts. to \$2.00	each.....	\$36
" No. 7.	Ditto ditto	20cts. to \$2.25	each.....	\$40
" No. 8.	Ditto ditto	20cts. to \$2.50	each.....	\$46
" No. 9.	Ditto ditto	25cts. to \$2.75	each.....	\$50
" No. 10.	Ditto ditto	25cts. to \$3.00	each.....	\$56
" No. 11.	Ditto ditto	30cts. to \$3.25	each.....	\$60
" No. 12.	Ditto ditto	30cts. to \$3.50	each.....	\$66
" No. 13.	Ditto ditto	35cts. to \$3.75	each.....	\$70
" No. 14.	Ditto ditto	35cts. to \$4.00	each.....	\$76
" No. 15.	Ditto ditto	40cts. to \$4.50	each.....	\$80

☞ *Special Prizes*, in handsomely bound books, singly, at from \$1.05 to \$5.50. In sets of from two to six volumes of Standard Literature, at from \$3.00 to \$10.00 per set.

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

ADVERTISEMENTS inserted in the *Journal of Education* for 25 cents per line, which may be remitted in postage stamps, or otherwise.

TERMS: For a single copy of the *Journal of Education*, \$1 per annum; back vols., neatly stitched, supplied on the same terms. All subscriptions to commence with the January Number, and payment in advance must in all cases accompany the order. Single numbers, 12½ cents each.

All communications to be addressed to J. GEORGE HODGINS, LL.B., Education Office, Toronto.