

Board of Arts and Manufactures

FOR UPPER CANADA.

BOARD ROOMS, Toronto, Oct. 29, 1863.

The monthly meeting of the sub-committee was held at 2 o'clock, p.m. Present: the President (Dr. Beatty), Professor Hincks, J. Shier, Professor Hind, W. H. Sheppard, W. S. Lee, Professor Buckland, and E. A. McNaughton.

Minutes of former meeting were read and approved of; business correspondence submitted, and accounts passed and ordered for payment.

The Secretary-Treasurer submitted his financial statement, showing total receipts to date \$1489 38; expenditure, \$1424 60; balance in hand, \$64 78. Anticipated revenue for remainder of year, including Govt. grant and above mentioned balance, \$2499 74; expenditure, \$1436 10; anticipated balance, \$1063 64.

Professor Hind submitted a report upon the specimens of *Terra Sienna* forwarded by Messrs. Browning and Hitchins, Beauharnois, C.E., and referred to him for examination. (See report appended to these proceedings.)

The committee on "Final Examinations," Professors Hincks, Hind, and Buckland, reported a draft of programme for final examination for 1864, which was adopted and ordered to be printed in the Journal. The committee also submitted a sketch of a design for *Certificate to Candidates*.

Moved by Mr. Shier, seconded by Mr. Lee, and *Resolved*,—That the sum of sixty dollars be offered for the best design and one hundred printed copies of a certificate on stone, after the general design submitted by the committee.

The "Book & Journal" Committee submitted a report showing the cost of printing and publishing 1250 copies of the Journal to be nearly one dollar each per annum; that the present income is only about \$750; annual loss about \$500. The Committee recommended that for the ensuing year 2,000 copies be printed; that the subscription be raised from 50 cents (its present rate) to 75 cents per annum, of which 25 cents be allowed agents for canvassing for subscribers and remitting subscriptions. The assumed cost of printing 2,000 copies is \$1489 per annum, income \$1300, excess of expenditure over income anticipated \$189 00.

The report was received and adopted, and its suggestions and recommendations ordered to be carried out.

Resolved,—That the *Book and Journal* Committee be authorised to have a circular letter prepared and printed, to be from time to time issued to

proprietors of manufacturing establishments in Upper Canada, offering to send an agent to visit their respective manufactories, with a view to publishing a descriptive notice thereof in the Journal of the Board, provided said proprietors will pay the actual travelling and hotel charges of the agent in making such visit.

Resolved,—That we cannot allow this (the first opportunity which has presented itself) to pass without expressing our sincere regret at the death of Dr. Wm. Craigie, whose constant attendance at its meetings, and active cooperation in its objects, greatly contributed to the success which has thus far marked the progress of this Board, and whose sound sense, judgment, and general intelligence, united with his kindly manner, won him the esteem of all with whom he acted.

The meeting then adjourned.

W. EDWARDS, *Secretary*.

PROF. HIND'S REPORT.

Toronto, Oct. 29, 1863.

In compliance with the request of the sub-committee of the Board of Arts, I have examined the Ochres (oxides of Iron) sent to me, and find them to contain a considerable percentage of Silica; and the unburnt specimen a notable quantity of organic matter, which would interfere with its practical use in its present state. By calcination the whole of the organic matter is burnt out, and the yellow or amber coloured specimen becomes the ordinary burnt Sienna of commerce.

I did not think it necessary to make a quantitative analysis, in consequence of the great abundance of excellent ochres in Canada, of very superior quality.

Reference to the reports of the Geological Survey will show that ochres have been found in the following localities:—

1. Ste. Anne de Montmorenci—
 - a. Brownish ochre,
 - b. Brownish black ochre,
 - c. Yellow ochre.

This deposit appears to extend over four square acres, the thickness of the deposit varies from 17 to four feet.

2. Cap de la Madelaine—
 - a. Greenish black ochre,
 - b. Yellow ochre.

The deposit extends over 600 square acres.

3. Pointe du Lac—
 - a. Purplish ochre,
 - b. Yellow ochre.

Extends over 400 acres. Thickness varies from 6 inches to 4 feet. This deposit was worked in 1851 by Messrs. H. A. Monroe & Co., of New York.