

day's paper, (No. 34) I was surprised to find that the amount "eighteen septillions," was expressed by 24 ciphers after 18.

Now, you must know that those figures express 18 *quadrillions*, not 18 *septillions*; a billion being equal to a *million* of millions, not a *thousand* millions; a *trillion* being equal to a *million* of billions, not a *thousand* billions; a *quadrillion* being equal to *million* of trillions, not a *thousand* of trillions, &c.

And, therefore, to express 18 septillions, one would require, after the 18, 42 ciphers, thus:—

septillions	sextillions	quintillions	quadrillions	trillions
18,000,000;	000,000;	000,000;	000,000;	000,000;
	billions	millions.		
	000,000;	000,000.		

I think this old way of placing a semi-colon between each 6 figures, and a comma between each intermediate 3, facilitates notation.

I noticed a few years ago a similar error in a leading journal, in its article on Japanese policy, *quintillions* being treated as only equal to *thousands* of *quadrillions*, and *quadrillions* as equal to *thousands* of *trillions*, &c.

I am, sir, yours obediently,

CYRIL A. GREAVES.

[We inserted the paper alluded to in this letter without any comment. It was a reprint from a respectable Canadian journal, and we published it (yet, at the same time, doubting the accuracy altogether of the calculation) for the purpose of exciting some correspondent to go thoroughly into the subject, and we are much obliged to Mr. Greaves for his communication. With the well-known formula, and a table of logarithms, it is no very difficult task to arrive at the truth.—  
ED. S. R.]

## The Board of Arts and Manufactures for Upper Canada.

### PROVINCIAL EXHIBITION.

#### PRIZE LIST—ARTS AND MANUFACTURES DEPARTMENT.

The following is the Prize List of the Arts and Manufactures Department of the Agricultural Association's Exhibition, to be held in the City of HAMILTON, on Tuesday, Wednesday, Thursday, and Friday, September 27th, 28th, 29th, and 30th, 1864. The Rules and Regulations will be published in the next issue of the Journal.

#### CLASSIFICATION OF PRIZE LIST.

##### ARTS, MANUFACTURES, LADIES' WORK, &c., &c.

- Class 40—Cabinet Ware and other Wood Manufactures.
- “ 41—Carriages and Sleighs, and parts thereof.
- “ 42—Chemical Manufactures and Preparations.
- “ 43—Decorative and Useful Arts; Drawings and Designs.
- “ 44—Fine Arts.
- “ 45—Groceries and Provisions.
- “ 46—Ladies' Work.
- “ 47—Machinery, Castings, and Tools.
- “ 48—Metal Work (Miscellaneous) including Stoves.

- Class 49—Miscellaneous, including Pottery, and Indian Work.
- “ 50—Musical Instruments.
- “ 51—Natural History.
- “ 52—Paper, Printing, and Bookbinding.
- “ 53—Saddle, Engine Hose, and Trunk-makers Work; and Leather.
- “ 54—Shoe and Bootmakers' Work, and Leather.
- “ 55—Woollen, Flax, and Cotton Goods, and Furs, and Wearing Apparel.
- “ 56—Foreign Manufactures.

##### Class 40—Cabinet Ware and other Wood Manufactures.

###### Cabinet Ware.

Sect.		1st Prize.	2nd Prize.
1	Bed Room Furniture, set of .....	\$10 00	\$6 00
2	Centre Table .....	8 00	4 00
3	Drawing Room Sofa.....	8 00	4 00
4	Drawing Room Chairs, set of.....	8 00	4 00
5	Dining Room Furniture, set of.....	10 00	6 00
6	Side Board.....	8 00	4 00
7	Wardrobe .....	6 00	3 00

###### Miscellaneous.

8	Coopers Work .....	\$6 00	\$3 00
9	Corn Brooms, 1 doz .....	2 00	1 00
10	Handles for Tools for Carpenters, Blacksmiths, Gunsmiths, Watchmakers, &c., &c., collection of .....	8 00	4 00
11	Joiner's Work, assortment of.....	8 00	4 00
12	Machine-wrought Moulding, and Flooring, 100 feet of each.....	6 00	3 00
13	Turning in Wood, collection of specimens .....	6 00	3 00
14	Turned Hollow Wooden Ware, assortment of.....	6 00	3 00
15	Veneers from Canadian Woods, undressed .....	8 00	4 00