

We have another new fern to record as discovered in Nova Scotia, and when, to the fact of its being new, we add that it has been a century's puzzle to botanists, the interest of the discovery will be considerably enhanced. The fern in question is *LASTREA CRISTATA ULIGINOSA* of Moore, *L. uliginosa*, Newman, and was found by Peter Jack, Esq., on his property of Bellahill, on the Old Windsor Road, in the township of Sackville, N. S.

The history of *L. uliginosa* presents some points that are worthy of being recalled. In 1850, Mr. Lloyd found a new fern, which was sent to the late F. Newman, F. L. S., who submitted it to six botanists who had paid attention to ferns, and every one of them gave a different opinion respecting it, as follows:—1st, "a form of *Filix-mas*." 2nd, *L. rigida*. 3rd, *L. cristata*. 4th, *L. spinosa*, strong variety. 5th, *L. dilatata*, rigid variety. 6th, no way different from *L. spinosa*. Mr. Newman found, on further examination, that it was an unknown form, and described it under the name of *L. uliginosa*. Thomas Moore, Esq., F. L. S., subsequently pointed out that it was not really new to England, nor specifically distinct, that it was exactly intermediate between *cristata* and *spinulosa*, and, although not previously described, had been encountered by the older botanists, and was an apparent justification of Linnæus and others who had been charged with confounding *L. cristata* and *L. spinulosa*, and even with including both in their idea of one species. After a full discussion of the relations of the new fern to its allies, Mr. Moore segregated it as follows:—

"The characters of venation and venation may be considered as of higher value than the mere form or incision or mode of connection of the pinnules. Now it is in their form and mode of incision that Lloyd's fern most closely approaches *spinulosa* and diverges from *cristata*, whilst in their venation it exactly coincides with *cristata* and absolutely differs from *spinulosa*. In the venation, too, it very nearly coincides with *cristata*, certainly resembling that species much more than it does *spinulosa*." For these reasons Mr. Moore came to the conclusion that Lloyd's fern was more nearly related to *cristata* than to *spinulosa*,"—a conclusion (he says) different from that drawn from the inspection of a single fertile frond, and arrived at by an examination of the entire growing plant, selecting those characters which appear of the highest structural importance." He therefore ranked it as a variety, under the designation - *Lastrea cristata* var. *uliginosa*. (Trans. Bot. Soc. Edin., iv., p. 111).

Mr. Jack's specimens agreed so well with a specimen in the Herbarium at Dalhousie College, taken from the original plant in Yorkshire in 1850, by Mr. Moore himself, that there seemed to be no doubt of the identity of the Bellahill fern with the English one. But, to make assurance doubly sure, Mr. J. had specimens sent to Mr. Moore, who, besides being special sponsor for *L. uliginosa*, is the best European authority on ferns, and, after careful examination, he writes back: "I have now compared the specimens both with English and German ones, and they are in my opinion quite the same."

By the kind assistance of Professor Honeyman, D. C. L., we have been enabled to prepare a complete and strictly correct list of awards to Nova Scotian Exhibitors at the International Exhibition, Philadelphia, 1876.

AWARDS, BY THE BRITISH JUDGES, OF MEDALS OFFERED BY THE CANADIAN COMMISSION, FOR SPECIAL COMPETITION AMONG CANADIAN EXHIBITORS.

- Class 1.* Machinery. None.  
*Class 2.* Agricultural Machinery. None.  
*Class 3.* Fine Arts. None.  
*Class 4.* Manufactures of Metal. Starr Manufacturing Company, Halifax, N. S.,—Spikes, Nails, Screw Bolts, etc.; also "Acme Club Skates," a variety of styles, and excellent workmanship. Silver Medal.  
*Class 5.* Woollen and Cotton Fabrics, Yarns, Furs, &c. Oxford Woollen Co., Oxford, N. S.,—Woollens. Silver Medal.  
 C. Kaiser & Son, Halifax, N. S.,—Furs. Bronze Medal.  
*Class 6.* Leather. None.  
*Class 7.* Musical Instruments. Brockley & Co, Halifax,—Piano. Bronze Medal.  
*Class 8.* Carriages and Furniture, Jno. M. DeWolf, Halifax, N. S.,—Pony Carriage, Victoria Phaeton and T. Cart. Bronze Medal.  
*Class 9.* Agricultural Products. None.  
*Class 10.* Preserved Meats, Fruits, &c. None.  
*Class 11.* Minerals. Steel Co. of Canada, Londonderry, N. S.,—excellent quality of Pig Iron. Silver Medal.  
 G. J. McDonald, Cornwallis, N. S.,—Building Stone. Bronze Medal.  
 J. W. Fraser, Halifax, N. S.,—Coal. Bronze Medal.  
 Wm. Hall, Springhill, N. S.,—Coal. Bronze Medal.  
 John Sutherland, N. S.,—Coal. Bronze Medal.  
 Wm. Routledge, N. S.,—Coal. Bronze Medal.  
 R. McDonald, N. S.,—Coal. Bronze Medal.  
 R. H. Brown, N. S.,—Coal. Bronze Medal.

T. D. Archibald, N. S.,—Coal. Bronze Medal.

Henry Mitchell, N. S.,—Coal. Bronze Medal.

*Class 12.* Chemical and Pharmaceutical Preparations. None.

*Class 13.* Ladies' Work. Misses Farrell, Halifax, N. S.,—Fancy Wool Work. Bronze Medal.

*Class 14.* Educational and Philosophical Apparatus. None.

*Class 15.* Wines and Malt Liquors. None.

*Class 16.* Unenumerated Articles. Dartmouth Ropework Co., Halifax, N. S.,—Ropes. Silver Medal.

Smith & Kaye, Halifax, N. S.,—Bricks and Tiles. Bronze Medal.

T. E. Egan—Stuffed Birds and other Animals.

In the Live Stock Department Nova Scotia did not exhibit.

AWARDS TO NOVA SCOTIAN EXHIBITORS BY THE UNITED STATES CENTENNIAL COMMISSION. INTERNATIONAL COMPETITION.

I. Minerals, Mining, Metallurgy and Machinery. Hon. R. Robertson, Halifax, N. S.,—Gold Specimen.

A Seaman & Co., Lower Cove, N. S.,—Grindstones.

Geo. J. McDonald & Co., Cornwallis, N. S.,—Building Stone.

Dr. Honeyman, Halifax, N. S., Geological Collection.

Steel Co. of Canada, Londonderry, N. S., Ores, Iron and Steel.

Nova Scotia Section of Canada Commission, Nova Scotia,—Collection of Building Stones.

Nova Scotia Advisory Board,—Coals.

II. Pottery, Glass, Artificial Stone, etc. None.

III. Chemistry and Pharmacy, with the Apparatus. None.

IV. Animal and Vegetable products, Machinery. Christian Netz, Halifax, N. S.,—Bologna preserved in Lard.

W. Woodill, Halifax, N. S.,—Mess Beef.

J. W. Betcher, Halifax, N. S.,—Preserved Fruits, (Strawberry and Cranberry Jelly).

Christian Netz, Halifax, N. S., Smoked Goose, Ham, Ox Tongue.

Advisory Board of Halifax, Halifax, N. S.,—Exhibit of Seeds.

Advisory Board of Nova Scotia,—Various Seeds other than Cereals.

James Knight, Halifax, N. S., Brandy Cherry.

Keith & Co., Halifax, N. S., Ale.

V. Fish and Fish Products,—Apparatus of Fishing. Andrews & Co., Halifax, N. S., Canned Lobster and Mackerel.

Chebucto Packing Co., Halifax, N. S.,—Canned Lobsters.