

In the preamble of the Agricultural Statute, 20 Vic., cap. 32, among the objects which the Board is required to promote, is the establishment in Toronto, of a public Library of reference, comprising both agricultural and horticultural publications, and also a Museum, embracing both those departments of industry. The former has already, to some extent, been accomplished, the nucleus of a library having been formed; but for want of adequate accommodation of a permanent nature, the latter has necessarily been kept in abeyance. It is intended that the capacious Hall set apart for a Museum, shall comprise characteristic specimens of the natural as well as the cultivated productions of Canada; implements and machines, or their models; specimens of soils, and their related rocks and minerals; with whatever can throw light on the agricultural condition and capabilities of the Province. The Board will therefore have to appeal to farmers and others interested in these important objects, (and who is not?) to assist in carrying them to completion. Our agricultural Societies should see that the choice productions of their respective localities are represented in this collection; and horticulturists it is hoped, will follow their example. The firm of James Fleming & Co., will always keep an extensive and reliable assortment of all kinds of agricultural and garden seeds, suitable to this climate; and they intend, we understand, to form a Depot for the various implements and machines belonging to the departments of industry. Numbers will doubtless visit the Agricultural Hall for purposes of business or enquiry, and there can be little doubt that this new enterprise of the Board will be found in its practical working of great general convenience and public advantage.

An Experiment of Wheat Growing in 1766.

In the *Gentleman's Magazine* of May 1770, the following statement appears of the wonderful power of increase which the wheat plant possesses when subjected to extraordinary treatment:—

"In the autumn of 1765 and spring of 1766, Mr. Miller, of Cambridge, produced 2000 ears of wheat from a single grain, by dividing and transplanting it. He repeated his experiment in June, 1766, with yet greater success.

"He sowed on the 2nd of June. some grain of the common red wheat; on the 8th of August he took up a plant and divided it into eight parts, each of which he planted again separately; by the middle of September they pushed out several side shoots, and were again divided into 67 plants; these plants remained through the winter, and were then divided into 500; they soon became stronger than many in the wheat field, and some of them produced 100 ears from a single root. Many of the ears were 7 inches long, and contained between 60 and 7 grains. The whole number of ears produced in this process from a single grain was 21,000 which yielded three pecks and three quarters grain, and the number of grains being also 576,800.

The Provincial Exhibition of 1862

The Local Committee for the Provincial Exhibition at Toronto this year have been appointed, and have already held several meetings. The committee consists of the following gentlemen:—

F. W. Jarvis, Esq., Sheriff York and P. J. P. Wheler, Esq., Warden, York and P. J. G. Bowes, Esq., Mayor of the City of Toronto; Hon. G. W. Allan, President Toronto Horticultural Society; Jas. Beachall, Esq., President Toronto Electoral Division Agricultural Society; The President of the Mechanics' Institute of Toronto; Aldermen Brunel, L. Strachan, and Hynes; Professor Croft; Professor Hind; Captain Shaw; Arch. Be. Esq., Markham; J. P. Bull, Esq., York City; together with all the members of the Board of Agriculture, *ex-officio*. Chairman of the committee, Hon. G. W. Allan; Secretary and Treasurer, Wm. Edwards, Esq. The committee have commenced work energetically, and we hope that those on whom the exhibition must mainly depend for material elements of success, we mean producers of the country, the stock breeders, farmers, gardeners, mechanics and artists will not be behind hand in their preparation to carry out their part of the program. The Prize list will be published as early as the season as possible, but in the mean time the lists of previous years will serve very as a guide. The subjoined letter from