

should the Reciprocity Treaty be continued they will have a double advantage over us in having an open market in the States to sell live hogs, which is shut against us to buy; and, on the other hand, in event of the abrogation of the treaty altogether, they need have nothing whatever to fear in regard to an over-supply, for the demand will be sure to keep pace with it, and lead, if found necessary, to the erection of a range of pork houses stretching along the Canada shores of Lake Ontario and the river St. Lawrence, from Hamilton to Montreal. Examples are almost numberless of causes apparently less important than the prohibition in question having effected radical changes and revolutions in the relations of commerce, as well as in politics and in the destiny of nations; and who can tell but this very act of the Lincoln Administration may stand on record as an evidence of their short-sighted and unwise commercial policy. About 35 years ago Ireland manufactured its first ham that was fit to eat; nine years ago Chicago was undreamt of as a pork market, now it is without comparison the greatest in the world. We are only beginning."

Provincial Exhibition of Upper Canada.

We have much pleasure in calling the attention of our readers to the accompanying Circular, which has been addressed to the officers, &c., of Agricultural and Mechanical Societies by the President of the Association. We understand that the Prize List, containing full particulars of the regulations, &c., will shortly be published, and may be obtained of the office-bearers of the various Agricultural Societies and Mechanics' Institutes throughout the Province.

A trial of Reapers and Mowers will take place at the proper seasons, in the vicinity of Hamilton, the precise time of which will be duly announced. Persons intending to compete with these articles at the Exhibition, must submit them for previous trial, and the awards will be made known when the other premiums are declared during the Show-week. The Board of Agriculture will defray the cost of freight of all Reapers and Mowers transmitted for trial. As this is a matter of great practical importance, both to manufacturers and purchasers, it is to be hoped that it will receive proper attention from all parties. The prospect of a show that will be honorable to Upper Canada is highly encouraging, and a more convenient spot for such an occasion could not be found than Hamilton. We trust that our farmers will make timely and adequate preparation:—

SENIOR, LONDON, C. W., April 9, 1864.

SIR,—I beg to inform you that the Annual Exhibition of the Provincial Agricultural Association of Upper Canada will be held this year at the city of Hamilton, on the 26th, 27th, 28th, 29th and 30th of September 1864. The Prize List for the year will exceed in amount any previously offered by the Association (with the exception of 1860, on the special occasion of the visit of the Prince of Wales) amounting to \$12,500.

The Prize List, with the rules and regulations governing the Exhibition, will be published soon, giving full particulars. Several important alterations have been made in it, additions also, and I would beg to call attention thereto. In the meantime, allow me to bring before your notice some of the changes made, viz:—

In the several classes of Swine evidence must be given that they were born later after the 1st of April of the year in which they are exhibited. And a class for Shropshire Down has been added.

In Cattle.—From the continued practice by too many of feeding up breeding cattle for exhibition, which is so objectionable, the Board of Agriculture have deemed it necessary to give power to the Judges to reject such as in their opinion have been over fed.

An additional class has been added for Angus Cattle.

The Prince of Wales' Prize of \$50, will be given this year for the best portable steam engine, not less than six-horse power, suitable for agricultural purposes—the Association giving a second and third prize of \$30 and \$20. These engines will be required to be set in motion on the ground, and be ready to be applied to any implement which it may be desirable to test the working of.

An additional section has been added to class 29 in Wheat, and several alterations made in the class, as well as the following class, as also in the several classes for horses, cattle, sheep, poultry, fruit, &c.

An important feature of the forthcoming Exhibition will be the Grand Pyrotechnic March, which is to take place on the Tuesday of the week. The first prize will be a first class Combined Reaper generously given by Mr. Joseph Hatz Ochawa valued at \$150. The second, third and fourth prizes added by the Association, viz. The second prize, the iron plough which takes the first prize at the Exhibition. The third, the wooden plough which takes the first prize. The fourth, a set of harrows.

Alterations have been made in the list of the Arts and Manufacturing Department, which will be brought to your notice through their Journal. These are principally the striking out a few trifling prizes, and adding others of a more important character, such as for Native Rosin, Tar, Turpentine, and two prizes of \$50 and \$40 respectively, for not less than six varieties of Lumber Goods, manufactured in Canada, from flax, the product of the Province.

Favourable arrangements will be made with the Railway Companies and Steamboat proprietors for the conveyance of articles, &c., to and from the Exhibition.

The citizens of Hamilton are determined to do everything in their power to accommodate the visitors to the Exhibition. An

efficient local committee of gentlemen is organized, and are making preparation for the safe keeping and care of the property of exhibitors. And I am assured and feel confident that the arrangements will be in every respect complete. And now it remains with the farmers, breeders, mechanics and all exhibitors, to do their part, and make the forthcoming Exhibition the best, in every sense, that has ever been held, not only in Canada, but on this Continent. Come forward one and all, be up and doing, East against West, North against South, in honest, spirited rivalry, and show to the world what can be done in this noble country of ours, when her people are aroused and put forth their energy. Let me also urge upon intending exhibitors to be ready in good time, and have their stock and manufactures on the ground, and in their places, properly arranged, sufficiently early to allow the Judges to commence their duties at the hour appointed.

You will oblige me by giving as much publicity to this Circular as in your power.

I am, Sir, your obedient servant,

JAMES JOHNSON,
Pres. of the Prov. Agr'l. Association of U. C.

THE FORTHCOMING "CANADA SHORT HORN HERD BOOK.—The following circular has been addressed by the Secretary of the Provincial Board of Agriculture to the breeders of improved stock, and we insert it that as much publicity as possible may be given to the information it contains.

BOARD OF AGRICULTURE, Toronto, April 1, 1864.

SIR,—I beg to inform you that it is the intention of the Board of Agriculture of Upper Canada to publish, as soon as possible, a Herd Book, containing the full pedigrees of all the Short-horned or Durham Cattle in Canada, so far as they can be obtained, up to the present time. It is intended to make the work a thorough Book of Reference for Canadian breeders, affording all the necessary information relating to the descent of their cattle, without the necessity of consulting either the English or American Herd-Books.

The importance of such a work for this Province will be apparent to every intelligent breeder. No man can breed to advantage, or with any guarantee of obtaining a definite desired result, without a careful study of the pedigrees of the animals he proposes to breed from, in their various collateral sources of derivation, as well as in the direct line.

At present the information necessary for such a study can only be found scattered through the pages of the English and American Herd Books, consisting of upwards of twenty large and costly volumes, and, moreover, the publisher of the English Herd Book will not any longer receive pedigrees of cattle for insertion, except of those bred within the British Islands. But the CANADA SHORT-HORN HERD BOOK will contain all the information relating to Canadian cattle, up to the present time, in one compact volume and will be offered at a moderate price, not exceeding \$4 per copy.

The pedigrees of animals of which certificates of registration in the Upper Canada Stock Register have been obtained and paid for by the owners, will be entered in the Herd Book without additional charge. For all others, the charge will be half-a-dollar each.

Breeders who desire to have portraits of their animals inserted, are requested to communicate with the Board of Agriculture at once, who will send a competent artist to sketch the same on condition of the owners paying the cost of such sketching. The portraits will be executed in the best style of lithograph engraving of the present day.

The work will be printed in the autumn of the present year, and pedigrees will be received for insertion up to 1st July next. If you desire to have any of the pedigrees of your stock inserted, I have to request that you will forward them without delay, together with the necessary amount. The form of writing pedigrees of Short-horned cattle is well known to breeders, and is very simple; but to prevent any mistake, I give the following information in regard to it.—The following particulars must be given, viz: the name of the animal, the colour, the date of birth, the name and residence of the breeder and of the present owner, then the name of the animal's sire, with his Herd Book number; then the name of the animal's dam and her sire, with his Herd Book number; then of the animal's grand dam and her sire, and so on, tracing directly back through the female side, and giving the name of the sire of each dam, with his Herd Book reference number. If any sire mentioned has not been recorded in the Herd Book or Stock Register his pedigree must be given in full and paid for separately, when it will be inserted in its proper place in the Herd Book as an independent entry. Every pedigree must be traced back to a Herd Book dam, or till at least the name of five Herd Book sires have been given. The following is an example from the Upper Canada Stock Register.—U. C. S. R. meaning Upper Canada Stock Register; A. H. B. American Herd Book, and E. H. B., English Herd Book.

"Young Flamboro' (bull), light roan, calved February 9, 1863, bred by Mr. Thomas Stock, East Flamboro'; the property of Mr. John Gibbs, Ops. Co. Victoria, C. W.

Got by Garibaldi, 535, U. C. S. R.
dam Lazze, by Wentworth, 541, U. C. S. R.
sire d. d. Beauty, by Duke of Wellington (55), A. H. B.
sire s. d. Victoria, by Agrioola, (1614), E. H. B.
sire s. s. d. Beauty by Snowball, (2647), E. H. B.
sire s. s. s. d. —, by Lawnsleeves, (365), E. H. B.
sire s. s. s. s. d. —, by Charles, (127), E. H. B."

The number of copies of the Herd Book to be printed will be limited to suit the probable demand. If, therefore, you desire to secure a copy you will please to fill up and return the accompanying blank order as soon as convenient.

I am, Sir, your obedient servant,

HUGH C. THOMSON, Secretary

MAI APPROPRIATION OF AGRICULTURAL SOCIETY FUNDS.

J. Rothwell, of Emerald, complains that at the usual dinner after the Annual Fall Show of the Amherst Island Agricultural Society, the extra liquor used by the guests was, by a resolution of the directors, decided to be paid for out of the surplus funds of the society. Our correspondent states that the six directors were equally divided in their vote on the resolution, and that the decision was made by the president's casting vote. We hope there is some mistake here, as we can hardly believe the officers of an agricultural society would make so glaring a misuse of public funds.

OUR VILLA ILLUSTRATION. We beg to call special attention to the department of Rural Architecture in the present number. It is enriched with a beautiful engraving, representing a most desirable dwelling, with surroundings of a very attractive character. We take the opportunity of remarking, that these architectural wood-cuts are designed and engraved expressly for THE CANADA FARMER, and those of our readers who have cultivated tastes, and live at a distance from first-class architects, will find them, we doubt not, exceedingly valuable and useful. A like remark may be made of our engravings in general, which are almost wholly original, and the work of our own artists.

THE CANADA THISTLE AT RED RIVER.—This nuisance has become so prevalent and so serious in the Red River Settlement, that the *Nor' Wester*, of March 31st, devotes its leading editorial to a discussion of the question what shall be done. The article is headed, "Shall the Settlement be Abandoned?" and the statement is made that the evil has assumed such proportions as to "menace the existence of the Settlement." The editor says:—"We have heard of some who are convinced they cannot on this account remain on their farms more than a year or two." The *Nor' Wester* strongly urges upon the legislature of the colony the passage of a remedial measure forthwith.

Veterinary Department.

Hoven or Tympanitis in Cattle.

As its name indicates, this disease consists in the distention of the rumen, or paunch, with gas, and is one of the most common diseases to which cattle are liable. It is produced by various causes. It may appear as a sequel of choking, or arise from chronic indigestion; but it chiefly occurs from changing animals from poor to rich, succulent food, such as clover, tares, or vetches, especially when they are wet or covered with dew. Another cause is eating diseased or frosted potatoes. Within the past month several cases have come under our notice, arising from the last mentioned cause. Regarding the nature of tympanitis, it is generally unaccompanied by inflammation, and is considered due to a suspension of the functions of the stomach, owing to the food being of a kind to which the stomach has been unaccustomed. The consequence is, that the muscular bands of the rumen cease to act, and the food, by exposure to heat and moisture, undergoes chemical changes, by which gas is evolved.

The chief symptom is swelling of the left flank, and this to such a degree that the swelling will be higher than the loins. When struck gently with the hand, a dull resonant sound is emitted. As the disease progresses the respiration becomes disturbed, owing to the distended stomach pressing on the diaphragm, the animal moans heavily, the head becomes affected, and the patient appears stupid. There is great pain, and if it be not relieved, the animal gets down, or stands with hind legs placed forward under the belly, and the back arched, and death ensues either from rupture of the walls of the stomach or of the diaphragm, or from asphyxia.

When the tympanitis is severe, the treatment must be prompt and energetic. If the animal is attacked while at pasture, and the case not very bad, friction to the abdomen and walking about will often remove it. If medical treatment is required the best medicines are laxatives and stimulants. The stimulants operate by exciting the stomach to perform its proper functions and inducing the muscular pillars to act. The evolution of gas ceases, and that already evolved is got rid of by eructations. A useful and convenient medicine to give is linseed oil. About one pound combined with three or four ounces of sulphuric ether. Oil of turpentine, whiskey or gin may be administered. In many cases a powerful dose of epsom salts is beneficial, along with some active purgative, as croton oil, ten to twenty drops. Having tried such treatment as recommended, if there be