

course depend on the quantity sown to the acre, and the size or plumpness of the grain. A bushel of wheat is estimated to contain from 700,000 to 800,000 grains. An acre of land contains 52,272 feet in length of drills at ten inches apart. This at the rate of a bushel of wheat to the acre would give an average of about 15 grains to the foot in the drill, and other quantities and kinds in proportion. From three to four inches would be a suitable depth to deposit any of the seeds above mentioned.—Eds.]

Take Care of your Cattle and your Meadows.

EDITOR OF AGRICULTURIST.—Allow me, through your excellent paper, to say a word or two to my brother farmers.

At this season of the year, when the grass is young and tender, do not yield to the temptation to let your sheep and cattle go on your meadows and fields while you are giving them hay and other dry food; all they can get for some time to come will only scour and weaken them, as well as cause them to dislike and spoil their good food.

Besides this, they will seriously injure the soil by trampling on it while wet. Moreover, they will bite out the very heart of the young plant, and thereby not only keep back its growth; but materially lessen the quantity of the future crop. A word to the wise is sufficient. S. KING.

Ryckman's Corners, April 8th, 1861.

The Agricultural Statute.

The following are the amendments adopted by the Board of Agriculture of Upper Canada, at their meeting in Toronto on the 13th and 14th ult., to the "Act respecting the Bureau of Agriculture and Agricultural Societies," 22 Vict. cap. 32, Consolidated Statutes, to be submitted to the Legislature for incorporation in the law.

The several sections mentioned to be amended as subjoined. In order to show distinctly the alterations proposed to be made, the words inserted or changed from the present reading of the Act are here printed in Italics:—

XIII. It shall not be lawful for either of the said Boards to pay or allow any sum to a Member thereof, for acting as such Member, except the amount of his actual necessary expenses in attending the regular meetings of the Board; but each of the said Boards may appoint a Se-

cretary from among themselves or otherwise and may pay him a reasonable salary for his services, and the Treasurer of the Agricultural Association shall be *ex-officio* Treasurer of the Board of Agriculture.

XV. It shall be the duty of the Boards respectively:

1. To receive the Reports of Agricultural Societies, and before granting the certificates hereinafter mentioned, to see that they have complied with the law;

2. To take measures, with the approbation of the Minister of Agriculture, to procure and set in operation a model, illustrative or experimental farm or farms in their respective sections of the province, and in connexion with any public school, college, or university, or otherwise, and to manage and conduct the same;

3. To collect and establish, at Toronto and Montreal respectively, an Agricultural Museum and an Agricultural and Horticultural Library, and to promote the knowledge and practice of the Veterinary Art;

4. To take measures to obtain from other countries animals of new or improved breeds, new varieties of grain, seeds, vegetables or other agricultural productions, new or improved implements of husbandry or new machines which may appear adapted to facilitate agricultural operations, and to test the quality, value, and usefulness of such animals, grain, seeds, vegetables or other productions, implements or machines,

5. And generally to adopt every means in their power to promote improvement in the agriculture of this Province.

XVII. The said Boards shall transmit to the Bureau of Agriculture a copy of their resolutions, By-laws or other formal proceedings, immediately after the adoption thereof, and at the commencement of each year a detailed statement of receipts and disbursements made up to the 31st December of the previous year;

2. And every resolution, By-law, or other proceeding of the said Boards respectively which may involve an expenditure of money to an amount exceeding ten pounds, shall not be passed except with the assent of a majority of the members thereof.

XXXIV. The members of the Boards of Agriculture and of the Boards of Arts and Manufactures, the Presidents and Vice-Presidents of all lawfully organized County Agricultural Societies, and of all Horticultural Societies, Incorporated Mechanics' Institutes and Arts Associations, and all subscribers of Five Shilling annually, shall, in their respective sections of the Province, be and constitute an Agricultural Association for that section.

XXXV. The Members of the Board of Agriculture and the Council of the Board of Ar-