## Agricultural Clubs - Important Notice.

The agricultural olubs arcady in existence and those shortly to be instituted, are requested to apply to the seoretary of the Department of agriculture, who will forward to them, gratuitously, for the use of their membere, certain pam phlets on agriculture, and all the iuformation on that subject that the department is able to afford them.
H. G. Joly he Lozbinidre,

Pres. Counch of Agriculture.

## IMPORTANT NOTLCE

The tour of inspeotion of Canadian cattlo, for the purpose of making entries in the stud-book, will take place in July. Those who have animals for entry are requested to send their names and addresses to the undersigned before the first day of july prox., if they wish their steck to be inspeoted this jear.

> (Signed)
J. A Couture, D. M. Y. 19 rue des Jardins Quebec.

Netrate of sollu.-As mentioned in a note in the May number of the Journal, Mr. Evans finds he cannot afford to sell this manure at less than $\$ 3.00$ the 100 lbs ., in bags containing 300 lbs ., each. I am sorry for it, because I fear the great rise in price. from, 82.25. will prevent its use from becoming as geneial as I was in hopes it would be. By the bye, I may as well mention that I have nothing to do with the sale of this or any other manure. I received an order from a farmer in the Quebee district the other day to buy him a ocrtain quantity of fertilisers, I "eaccuted the order", for once, but I really have no time to spare for such business. If any one wants artificial manures, he should write direct to the Capelton factory for superphosphate, \&e, to Mr. Evans for nitrate of soda, Mr. Wm. Ewing for Indian bone.meal, and to Mr. Vascy, Hochelaga for sulphate of ammonia. A. R.J.F.

## Barley for the English market.

Great complaints have beca made in England about the quality of the barley sent thither from Canada for malting purposce. I really do not sec bow anything else could be expected There ar: two principal points that strike the eye of au Engli,h maltster in looking at a cargo of any foreign barley:1. Is the grain equal in quality? $\overline{2}$. are there many brukin grains in it? As regards the first point, if the quality is not equal, that is, equally ripened all through, the pickles will not grow equally on the foors, and, consequently, when some of it is ready for the kila, the plumule, or acrospire, as the maltstels usid to call it, being nearly up to the end of the grain, the rest will be found some half-way up the grain and others only just starwd on their jouracy. "Ah," then says the buyer, "this is only fit for "brown malt," for porter-brewing," and of course the price suffers in consequence.

As for broken grains, of whioh Mr. Saunders' ruport sajs. $"$ unless the Canadian barlcy ean be threshed so as to arvid the large proportion of half and broken grains, which cause cteessive mould on the floors, the trade woa't materialise. All Eoglish maltsters agree on this point." Yce, I should thish thiy did, for mouldy malt would invariably be rcjeeted by any bristor that made fine iules, as it causes a secondary, or raiher contincous, fermentation that never stops, and ales brewed from it never becone really bright.

Nuw the first of these two vital faults in our barlegs secm to $m_{c}$ to arise from the following causes. 1. the want of due preparation of the land. If the land intended for barley is
not rendered homogencous, that, is, of equal fineness all over, the grain will not eome up synelironously, and some will ripen before the others; 2. The selection of the seed. If mised seed is used, some from heavy land, somo from light land, some fully ripe before cutting, some only half-ripe, the sam. effect as before will be produced. Equal de che of depositin. the seed, and wide ridges, or lands, are also points to be attended to. As I have remarked before, narrow ridges, with some plants growing duwn in the open furrows and others on the crest of the ridge, cannot produce an equally ripened orop. Lastly; barley for malling must be deac'ripe before $l l$ cut.

Again ; they complain in England that "Shippers have not kept faith with the purohasers as to quality, the bulh Was not equal to the sample." How could it be, when the bulk was probably made up of lots from hundreds of farm-, all slumped together, no too lints of which were perhaps grusu or harrested alike. In my day, Essex, Hertfordshire, and Cambridgeshire maltaters never mixed the grain of even two farms, though contiguous, without the most careful inspection In Uanada, this would be impossible, but some plan must be contrived to grade the purchases, so that light and heavy, bright and discoloured, lots be no longer mixed together." Well may the reporter say: "The returns reocived for some of the shipments have been very unsatisfactory, having resulted in loss to the shippers. This disappointment, howercr, is clearly traceable to want of care in threshing, cleaning, and gradiog the grain."

If a farmer is careful enough to thoroughly clean out the threshing machine before he entrusts it with the duty of threshing his barley, one great cause of mixed samples of sced barley will be obviated.

In Essex, and the malting countics of East-Anglia, no malt ster in 1850 would buy barley threshed by horse-power. They complained of broken grains that turned mouldy on the floorI had a great job,in 1852, getting them to see that uny steam threshing-machine, with its $5 \frac{1}{2}$ fect drum and its unvarying pace, never broke or bruised a grain. The flail was then always used for barley, though for all of or grain it had long been abandoned. In the modern machine, the straw goes in sideways, and comes out as unbroken as it went in. There is nothing in it but a drum and a oylinder, there is no beat-ing-action, but only a rubbing. Not a grain is broken, and I may almost say, not a graia is left in the ear unthrcolud. Orviag to the uncuen paco of horses in a mill, sudden ruathe: cannot be avoided, and it is here that ine much complaited of breakage of the grain tates place, and I du not belis that any great improvement can take place until steans is sabstituted for borse-power, and the wide-mouthed English machne with its rubbing action for the narrow-mouthed beater at present in use.

The buycrs in the barley districts in Ontario paid up tu the close of navigation from 8 to 12 cents more per bushel for the two-rowed than was offered for the six-rowed; but in mans instances nu care seems to have been taken to grade the par chases, but light and heavy, bright and discolored lots, were all mixed toyether, making a very uneven sample. Muoh bruken grain was also found in some lots. The returns it ccived for some of the shipments are said to have been rets unsatisfactory, having resulted in loss to the shippers. Thes disappuiatheol, home ier, is cleariy traccable tu want of cirt in threshing, elcaning, and gradiog the grain. The fault liey partl\} with the furmer, who must exeroise more care in handi ing this crop if it is to bring hum its full valuc. In a lecher Written by a practical Canadian maltster who recently visited England in conncetion with the barleg business of his firm, he says, when referring to the disapponntiag sales. "Shifpers have nut kept faith with the brokers or purchasers as to qua

