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# FARM

#### Keep a Look-out at the Elevator.

Mr. Castle's advice to grain sellers in this issue is deserving of thorough perusal. The farmer as a rule does not take the trouble to learn all the rules governing the handling of grain, not even in many cases acquiring a knowledge of his own responsibility. He is too apt to consider his duty done when he dumps his load into the hopper of the elevator, and while an interfering person is not welcomed by most elevator managers still the farmer owes it to himself to see that no of labor has made it necessary to place men in charge of elevators who have had but little experience. The trouble caused by neglect upon crop the part of those selling or storing grain, to care-

## Doubtful of the Pickler in Preventing Smut,

EDITOR FARMER'S ADVOCATE:

I would like to give my views on the grain the land, however, in the sense that it exhausts picklers. I have grown a crop for fourteen the plant food of the soil to a greater degree than Previous to this year I had always immerced found at the North Dakota Experiment Station my seed but this spring bought a pickler with that land which had grown six successive crops the result that smut shows in my wheat, and for of flax was not exhausted in fertility when seeded which I lay the blame on the pickler. I may be to wheat so much as adjacent land which had right and may be wrong but my idea is that grown wheat continuously, the yield of the first some grains are not touched with bluestone, crop of wheat after the six crops of flax being Another season to test the two methods I intend nearly double the yield received from land which to immerse all with the exception of an acre had been continuously cropped with wheat." or so and see whether my theory is correct.

Ed. Brown

## More About Flax Growing.

by Professor Ten Eyck:

growing At the North Dakota Experiment Station flax even if the crevices do fill up with snow.

pens on the farm, this cannot be done, begin wheat, larger crops of wheat being secured as an One, to have the land ready for a spring crop, gently with the new product gradually increasing average by seeding wheat after flax than by seed- and the other to store up moisture during fall the quantity as time goes on and the animal ing wheat after wheat. Flax does not follow and winter. To accomplish the latter object succession. This is not due to the fact that the Moisture is constantly rising from the subsoil flax is 'hard' on the land, but to the fact that the and escaping by evaporation from the surface juring or destroying the flax crop which is grown less that is available for the following crop. Haron such land.

close feeder and does not root very deeply, and when grown on new breaking the tendency is for the crop to exhaust the moisture very thoroughly, preventing the sod from decaying with the result that when such land is backset the sod will turn over in hard, unrotted chunks, in a very undesirbeing depleted of its moisture and plant food is in point where it will do the crops most good. serious errors occur, especially since the scarcity no condition to start another crop early the next

'Experiments conducted at the North Dakota fully preserve their storage checks, or to neglect Experiment Station showed that the injurious to get receipts for each load, or to note the weights, effect of flax on sod land was much greater when or to have an eye to the dozen other little things the flax was planted on spring breaking. Ground that require attention has been colossal, and which was broken the previous season and cultiwould be greater if it were known how great the vated some and put into good physical condition loss to the producer has been. The excuse in produced a much larger crop of flax than the every case of neglect is lack of time, and while it spring breaking, and this land produced an exis true that one must keep up a continual hustle cellent crop of wheat following the flax, while when drawing grain away from a machine, still wheat following flax on the spring breaking only a few minutes spent at the weigh scales can yielded about one-half as much grain per acre as easily be made up on the road or in some other wheat following flax on the fall breaking. It appears therefore that flax may have an unfavorable effect on land due to unfavorable soil and weather conditions. In a very dry season the effect of the flax on succeeding crops is apt to be more marked than in seasons of plentiful rainfall. Now the crop is cut and threshing partly done Flax should not be considered a 'hard' crop on years and this is my first experience with smut. other ordinary grain crops. For instance, it was

## Fall Plowing Quite General.

From our observations throughout the country we are satisfied that more plowing is being done In a recent issue on page 1431, this paper had this fall than ever before. This is good. Farman article entitled "Flax as a Crop for the New ers are coming to the conclusion that fall plowed Settler,"and to the information therein contained land when handled properly does not dry out we would add the following expression of opinion any more than stubble, and that the loss from drifting does not amount to anything considerable. regions that flax is a 'hard crop land over and leave it to the drying winds of accurate record of the amount going into the car

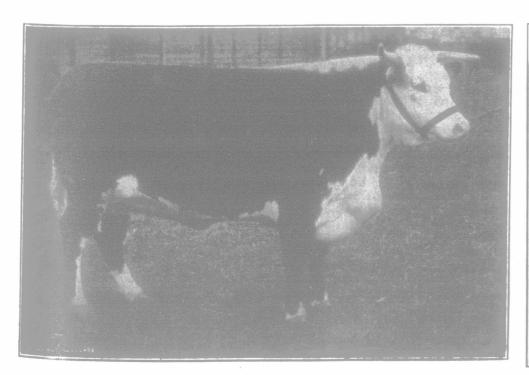
old with the new oats and if, as frequently hap- proved to be an excellent crop to rotate with Two objects are to be sought in fall plowing. flax very well for more than two or three crops in surface cultivation should follow fall plowing. flax wilt, a fungus disease which attacks flax, and the greater the surface exposed the greater gradually becomes prevalent in the soil, thus in is the amount of moisture that escapes and the rowing or packing after fall plowing does two "It is a common practice to grow flax on new things of importance; it reduces the amount breaking, and doubtless it is because of this prac- of surface exposed and it settles the soil together tice that the impression exists among farmers so that the layer that hasbeen disturbed by plowthat flax is a hard crop on the land. Flax is a ing can better absorb the moisture that rises from below. This latter point is demonstrated by the fact that a soil so treated freezes harder in winter than a loose lying uneven soil. A soil so treated has the further advantage, in the spring, in that the channels of movement for the subsoil moisture are already established and the spring cultable condition for future cropping. The soil also ivation arrests this upward movement just at a

The old method of fall plowing whereby a season, but if some late crop be planted on such large surface was left exposed to the weather, is land it may succeed better than an early seeded wrong, both theoretically and in actual practise, in a climate like ours and on soils that do not require the action of the frost to make them friable. But the system of fall plowing and packing is likewise correct in both respects, and if anyone has found that he does not have good success from land so treated he should enquire into his methods of plowing and the condition of his soil with regard to fertility. We look forward to the time when the greater part of the stubble land of the wheat belt will be fall plowed even in the drier sections where a few years ago it was declared that a crop could not be grown on fall plowed land. When fall plowing becomes more common the man with the large farm will have less trouble getting his work done, and we shall also hear less about adapting winter wheat to our climatic conditions. Fall plow but do not fail to pack the soil afterwards.

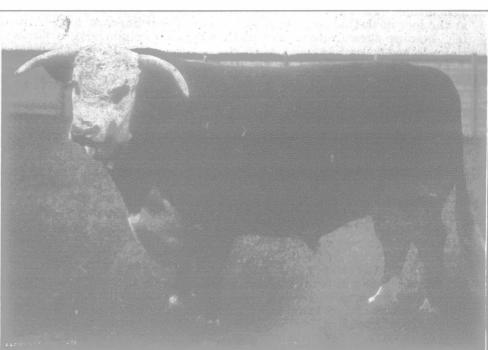
### New Institute Superintendent,

Mr. Horace Craig has recently been appointed to the position of Superintendent of Farmers Institutes in the Province of Alberta. Craig is a graduate of the University of Toronto in the faculty of agriculture. He was a member of the judging class at the International when the O. A. C. succeeded in bringing the prize trophy to Canada, and when at college always took a prominent part in the various local organizations. He has his work cut out for him in Alberta. It needs a man of life and energy to galvanize into activity the semi-comatose Institute organization. There is no broader field for work in agricultural education than the Institutes and in no work is there more scope for originality in methods. We hope and believe that Mr. Craig will prove more than equal to the new position.

The farmer loading a car, or cars, of wheat needs There is a general opinion among the farmers. Of course, it is not good policy to simply turn to stop all possible leak holes, and also to keep an This may or may not be a fact. winter and then harrow it down in the spring as well as to have a witness to the relation of the grain level and the load line.



BRAMPTON AGNES 33RD Two-year-old Hereford Heifer. First and Ghampion at the Royal Show, 1906



ADMIRAL (23250). Three-year-old Hereford Bull. First at Royal Show, 1906.