January 19, 1910

Manchester alesmen are as any other, and pany you could fore offering for eight on dressed o England, but or five dressed

space occupie Allowing that n abattoirs and ould be needed efrigerator cars at St. John o press upon the essity of such and I think we this latter at this Western more necessary adian farmer is macy with the o come soon at beef and dairy storage of this ducts can reach

four years ago, wn retail shops mutton of th white-coated ina Meat Com as possible e; quarters o kept cool til ter appearance h. Sent ove e., heifers and As for re in the man heifer of 1,000 s any. What ity of a great stock by tak-But it re and with conand patrons ered and the fairly treated enterprise i forry that the ot appoint nto the pos ade. Recom seem to ac the old story will begin to

SIMPSON.

Lhores niently done of many prohe West this ar too little h and good our stables to stop this be welcome. very compre ding an imself is re-

vay in which es about it. implements. ider a barn, eeding racks he mangers, hat the hay iple matter. e fed is first ng the feed.

help, if the ay, viz., by land power spensive for of a small cut up and er should be raw. Once r space; it eadily; the less likely rown about arser parts, aten; it is r bedding.

and it makes a much finer manure for the land. In speaking of cutting hay I do not mean that the hay and straw that is to be fed is the only material that is to be cut. All the bedding should be cut as carefully as the feed.

In feeding grain, whole or chopped, bins to hold a goodly quantity of each kind used, should be provided in a place convenient to the stock, to bins so as to avoid this slavery.

opening into the stable. A trap can be made our columns. through which to pass the roots from outside in

roots up remains the same.

principle to your root house. The door is on hinges, two or three of the paper. root house. feet above the floor of the stable. When open it lies down, slanting into a box, wheel barrow, solid shelves, however, have a well-balanced box or bin, balanced so that when full of roots it will attached to the front of the bin a rope. Now, standing in the root house, fill your bin with roots. Raise the dumb waiter to the open door. Pull the rope attached to the bin, tipping the roots from the bin onto the slanting door allowing them to slide into the box or wheel barrow. Let down the dumb waiter and continue until a sufficient quantity of roots is lifted up.

floor of some sort. I am not discussing the health under which you have had experience. of the animals here, but a floor, level and hard, quickly and well. If stanchions are not used, be tied or untied, and no buckles be buckled or lection that is just as good and simpler? unbuckled. Snaps are so much quicker to handle

Behind each horse there should be substantial harness pegs or hooks, high enough to prevent harness from being knocked down. The harness the right collar

The stable should be built long, with a row of practices. animals on each side, back to back. Wide doors manure spreader should be used. This should be And on this point we believe there is ground for driven into the stable at one end, and the manure placed at once in the spreader. It can then be driven directly to the field and spread at once, an enormous amount of time

If a spreader is not at hand, then use a common sleigh or stone-boat, either of which is much to be preferred to a wheelbarrow. I once knew a little lad who cleaned his father's stable by using a large hide. It was an old, hardened hide that had never been tanned. The boy tied a rope to one end of the hide and hitched a pony to the rope. The manure he piled on the hide. When out on the manure pile he turned the pony round, tipping the hide over in that way.

It is easier to go around the stable and arrange the bedding after the last feed is given at night, than it is to clean the cows' udders if they lie down in the dirt. The milking should be done as soon as the cows stand up in the morning, so as to be through with it before the cows lie down again and soil their udders, thus making

extra labor. Sask.

B. E. NEVILLE.

"I have taken THE FARMER'S ADVOCATE for several years and don't know what I should do without it. If I were to quit it, it would seem like a death in the family. It is like a neighbor coming in every week to give me the news." G. Garroock, Saskatchewan.

## FARM

## Topics for Discussion

To afford an opportunity for the interchange of avoid much running to and fro. These bins ideas, and to provide a place where information Editor Farmer's Advocate: should be filled regularly, the grain being brought may be given and received, we publish each week If the movement of moisture in the soil under

out frost in winter. If the root house is built like the editor, freely expressing their opinion of the to break the upward movement of the moisture a cellar, much lower than the floor of the stable, manner in which it is conducted and to suggest and the crop is left at the mercy of the wind. I it is difficult to lift the cut roots up. Of course topics. If any reader has in mind a question have concluded from many years studying the the roots may be cut inside the root house, if so which he or she may think can be profitably question of moisture in Manitoba soils, that rolldesired, or outside. The labor of carrying the discussed, it will be given a place in the order ing is a detriment unless the harrow is used freely of subjects if it is deemed of sufficient general immediately after the roller. I believe that if the Here is my plan. You have all hear of interest. Because this notice runs weekly at the roller were discarded entirely and more use made "dumb waiters" in houses. Apply the same head of the Farm department does not mean that of the harrow greater benefits would result. Have a horizon- farm questions, only, may be taken up. The In packers we have the sub-surface and the

each for horses and for cattle.

this cereal?

is quite necessary, if the stables are to be cleaned lecting eggs for hatching to ensure getting eggs but not till then. for this purpose from your best stock? Have The fact should not be lost sight of that when then all ropes, chains, or halters should be pro- you ever used a trap nest? If so, with what re- the sub-surface packer lifts the moisture it is not vided with rings and snaps, so that no knots need sults? Do you know of any other method of se- lost through evaporation, as the moisture is lost

## Roller vs. Packer

The question, therefore, comes down to the ridges which is a large advantage over surface should be opened at each end of the stable. A type of implement that is most generally useful. rolling.

further discussion for which our columns are open at any time.

In the present discussion we have awarded the orizes for best answers in the order in which the letters appear.

## Uses a Sub-Surface Packer

to them in wagons. The bins should be provided at head of the Farm department a list of topics, varying conditions is understood a clearer idea with chutes, into which the grain can be shovelled which our readers are invited to discuss. Oppo- would result regarding the use of rolling and packor emptied from the wagon. Carrying of bags of site each topic is the date of publication of con- ing implements. I believe the use of the roller grain on the shoulders of the men should not be tributions on it and readers are reminded that on plowed land is not advisable and that the necessary. It is quite possible to arrange the articles contributed on any of the subjects given practice should be discouraged. The object in must be in our hands at least ten days earlier using the roller is to firm the soil and draw Roots should be stored in a good root house than the subject is scheduled for discussion in moisture to the surface for the use of the growing crop. This it will do, but when the extreme Readers will understand that this department surface is rolled the effect is lost, for the moisture fall. This trap should be covered well to keep of the paper is theirs. They are invited to write is drawn off by evaporation. There is no mulch

tal door opening downwards, in the side of the discussions will be spread over every department pulverizer or surface packer. The latter type has been freely used in the West, but with question-For the best article received on each topic we able benefit I think, because it is simply an will award a first prize of Three Dollars and for extreme surface pulverizer; more so at any rate or any receptacle for the roots. Inside the root- the second best Two Dollars, paving the latter than the sub-surface packer. This the average house have a frame that moves on pulleys on the same plan as the "dumb waiter." Instead of and published in the same issue.

Sum for the contributions on the subjects received farmer in Western Canada does not want. What he needs is a sub-curface packer. Articles should not exceed 500 words in length. surface packer has a wedge shaped packing disc January 26. - What is your opinion as to the which presses the soil both downward and horiremain upright, after the plan of the sugar bins comparative feeding values of prairie hay and zontally. This type of packer has been in use and flour bins in our kitchen cabinets. Have cultivated grasses or clovers?

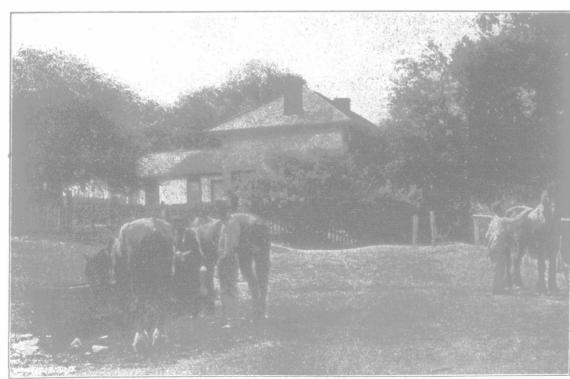
Discuss the use of many years in the United States and is now becoming as popular in this country. It has ad-February 2. — What is your opinion of two-vantages over the surface packer in that it presses rowed barley as a crop for the Canadian West? the soil right to the bottom of the furrow, making Is its malting quality of sufficient merit to warrant a firmer seed bed and leaving the plant food prairie farmers undertaking the production of more evenly distributed for the crop. Then again we have a thicker stratum of packed soil than can February 9.—What do you consider the easiest be secured by using the surface packer or a roller. and most thorough method of clearing "scrub" This naturally creates greater capillary power, land? Discuss different systems for various the soil is able to "lift" up more moisture for the The stable should be provided with a smooth tree growths, or particularize for the conditions use of the crop. To illustrate my argument take our of some sort. I am not discussing the health under which you have had experience.

The stable should be provided with a smooth tree growths, or particularize for the conditions use of the crop. To illustrate my argument take under which you have had experience.

The stable should be provided with a smooth tree growths, or particularize for the conditions use of the crop. To illustrate my argument take under which you have had experience. February 16.—What method do you follow in se- such a road dry I will recede from this position,

from surface packed soil. It is held beneath the surface mulch, accumulates there and aids the further upward movement of moisture from be-The contributors in this week's discussion have low. This is important as moisture is saved belonging to each horse should be kept on its no disagreement as to which is the more efficient during the dry hot spells with which most of us own peg, so that no time need be lost hunting for implement for use in conserving soil moisture, are familiar. By using the sub-surface packer we the roller or the packer. Of the letters published can largely overcome the loss of moisture by hot one advocates sub-surface packing, one surface winds, a loss which is common and serious in In cleaning stables much time is often lost, packing and the other does not state which he many districts. After land is packed with a subsurface packer it is not pulverized but left in

W. N. CROWELL.



COSY HOME AND GOOD HORSES IN OLD ONTARIO