turnips at any rate, the method employed being Growing, Storing and Feeding Roots at the same time fairly expeditious.

Turnips being grown on the flat in drills, the Editor Farmer's Advocate: tools required to harvest them are a sharp hoe, a fork, a potato digger and a manure spreader. for economically producing milk or beef in winter, tainted if cows run on the field and fill up on the The spreader has to be one of the kind the and even with ensilage I find roots, either as a tops. apron of which can be unwound by a hand crank supplementary or alternate feed, to be fully supplied with the machine.

by using the hoe for topping them, just as they with me for roots, the quality being very fine, start here to pull and pile, and from this center stand in the row. When enough have been though the yield is not quite so large as some throw till you have cleared five rows six yards, and done for the first day's work hitch on the digger, years. This is attributable to later sowing and so on. The wagon draws up at the pile; the and, having set the machine to the required the peculiar season; all rain coming in July, roots are topped and thrown into the wagon. safely housed before night. Then, with forks, ber. The roots have ripened from three weeks cellar. The roots are unloaded into the chute go up and down the field, leaving the roots in to a month earlier too, and we were harvesting with a twelve-pronged vegetable fork or scoop, the top of the ground and in the most convenient would have given us three weeks more growth. form for loading. This work should be done in I contrive to make roots the second crop, well ventilated until freeze-up, and that the be exposed to the sun and wind during the land fall-plowed and sub-soiled. This helps chute is broken up, and the earth, etc., removed. noon spell, thus giving the attached soil an the crop on my stiff, clay land, and the succeeding Following this plan we have kept roots into

the turnips into the spreader by hand, choosing were sown May 21st, with several varieties of taint, and if all milking is done, and milk taken the windward side to avoid dust. In this connection the direction of the wind should be noted when starting operations in the morning, so that the benefit can be had without driving on the undug roots.

To unload, nothing is required except a strong arm to wind out the load, unless access to the root-house is inconvenient, in which case a box as long as the spreader is wide and holding about 200 pounds, should be used. This box should have handles at both ends and can be carried by two men.

My root-house is under the driveway to the barn, and to unload it is only necessary to drive on to the barn floor and lift up a trap door behind the load. Under this trap door is a removable chute with a slatted bottom. The turnips roll down almost to the back of the house, the soil falling through the slats as the the roots descend.

The digger mentioned is a two-horse machine that sells for about \$18.00. This style of digger does not do particularly good work in either best for table use; the Monarch Swede a little potatoes or turnips, but it is much better than a the heaviest yielder. plow, and very much easier on men than hand pulling or digging with a fork. The large exhold in the ground.

To harvest mangels and sugar beets, it is

that they are pulped twelve hours before being done will depend.

Apart from ensilage, roots are a prime necessity lowing July, however, and milk is apt to be worth the trouble of growing and storing.

depth, root out about what amount will be with excessive heat in June, August and Septem- box, which when full is drawn to the chute in regular rows so that they will all be exposed on turnips at the end of September, which usually which will lift thirty or forty pounds at once.

the forenoon if possible, so that the roots may after an application of manure, and to have the mass of roots, earth and rootlets close to the opportunity to dry and put it in condition crop also. My seed this year was of superior May, but unfortunately have never had suffito shake off in the process of loading and unload-quality. It germinated and came along very cient to carry us further. As we are in the ing.

Of mangels I had four varieties—business of producing cream, we are careful of Now take the beater off the manure spreader, Garton's Yellow Intermediate, Yellow Mam- the time and quantity of Swedes we feed, and and commence hauling to the root-house. Throw moth, Red Mammoth and Intermediate. They during eighteen years have had no complaint of the turning into the root-house.



CUTTING ALFALFA ON THE FARM OF A. COOPER

Garton's Swedes on May 24th. There is little to choose between varieties. The Superlative Swede is generally the handsomest root, and

pensive four-horse diggers do capital work, but acreage, the saving on seed and time, and the during the coming year, and they hope by it cost more money than most farmers care to ease and certainty with which the work is done to encourage the keeping of better dairy stock spend. I have read of a common harrow being besides it can be used to sow nearly all garden province. A gold medal will also be given soon pays the \$10 or so the implement costs; and the practice of better dairy methods in the used to pull turnips, but have never tried it seeds, better and quicker than by hand. The here, as I know it would not be the slightest very best seed should be obtained, and it should to be given for second and third placing. More use because the turnips always have a strong be new, as it germinates quicker, and the rows particulars regarding the competition will be showing may then be kept clear of weeds and the plants get a show from the start.

My experience is that, outside the season, at the earliest possible date. necessary to pull by hand, topping with a knife the weight of crop depends on the seasonable one inch from the neck, or twisting the tops off thinning of the plants, and the thoroughness of the cultivation given. After all weeds are I prefer to grow Swede turnips for all classes killed keep on cultivating to keep the surface of stock, because they will stand quite a hard fine and moisture and air circulating. Mangels Storage Commissioner for 1908 has been issued are rather tedious to single, owing to four or The records of the cow testing work are given in fall frost without injury, provided they are left five being enclosed in the case sown, and they some detail, and it is the intention of the comin the ground to thaw out before being dug, often come up entwined together, or so close missioner to extend the scope of the work by They keep better than mangels or sugar beets, that very careful work is necessary to separate encouraging owners of herds to keep a record of and if properly housed, will remain sound until them. Swedes may be almost entirely thinned the feed consumed by the individual cows, or at and singled by use of the hoe, if done at the least a record of the average cost of feeding the right time, and this being done, almost all herd. They can be fed to dairy cows in quite large subsequent work can be done with quantities without tainting the milk, provided horse cultivator until harvesting. How this is of the branch, particulars are given of the bonus

fed, and the feeding is done immediately after are to be plowed in, or the cattle allowed to eat companies. The arrangement made, by the them off the field, a quick and expeditious Department for the reservation of cold storage

in the row, and tear out the roots by running the spike harrows over the rows. Roots harvested by this method won't keep till the fol-

I prefer a slower method, and we are now

harvesting our crop this way When ready to take up the turnips begin This season has been a very favorable one Walk about three yards along the fifth row,

All that remains is to see that the cellar is

out of the stable before the roots or ensilage is fed, unless a very excessive quantity is given, there will be no taint.

J. H. FARTHING. Man.

DAIRY

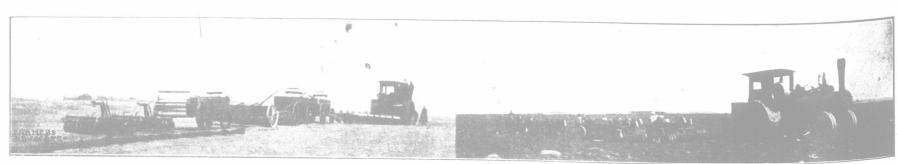
Dairy Stock in British Columbia

At a recent meeting of the directors of the British Columbia Live Stock Association the matter of improving the dairy stock of the province was discovered. It was pointed out that dairying had made such rapid strides, and the possibilities were so great that every effort should be made to promote the industry. The association endorsed the proposition of the Dominion Department sending a shipment of dairy cattle to British Columbia, and it asked that at least three cars of stock be sent. It was decided that the cup given by the Provincial Government be held for a commercial dairy Nothing beats the hand drill for sowing small competition. This competition is to be held with the cup, and a silver and bronze medal is given out later. The association asked that the Government appoint a creamery inspector

Dairy Commissioner's Report

The report of the Dominion Dairy and Cold

In the part which covers the cold storage work for creamery cold storages and the various iced If long keeping is not desired, and the tops car services arranged for with the several railway way is to cut off the tops as the roots stand chambers on certain steamships for the carriage o



Tighnduin Farm, Saskatchewan; and some of the implements