February 26, 1908

HEAD OFFICE:

THE J. A. MCLEAN PRODUCE CO. LIMITED Exporters and Wholesale Dealers Butter, Eggs and Cheese

74-76 FRONT STREET EAST, TOPONTO. . . CANADA.

Inquiries and Answers lers of the paper are invited to submi-tions, on any phase of agriculture -0--0--0--0

Growing Roots

Crowing Roots Which did or too he made profitable for magning or guing head of a start profitable for head of a crist and 10 picks. Keeding ong whead of a crist and 10 picks. Keeding ong whead of a crist and 10 picks. Keeding ong which are too he own to provide ambient for this amount of stock, esti-mating on an ordinary crop? What is the best way of exercise the stock of the weat of the start of the the storing cristian of the start be provide store cristian for the start be provide to be the results from it works and with horse heo, or to enable one to the the storing cultivator with a team be provide to be the results from it works and with unjury?-F. L. L. L. Landow down, One.

downe, Oni. Mangles are more preferable for dairy cattle than either of the feeds named. Turnips are good, but have a tendency to taint the milk, hence it is dangerous to use them. For hogs these kinds of roots have about equal value. Sugar bests contain slightly uses der metter than mangles or turvalue. Sugar beets contain sugnity more dry matter than mangles or thr-nips, also a slightly higher percentage of earbolydrates. Where mangles are being produced for dairy cattle, however, it is hardly advisable to grow turnips or sugar beets when only a few hogs are being fed.

a few hogs are being fed. Mangles are fed to cows at the rate of 25 to 40 pounds a day. Taking the outside figure—40 pounds—25 cows would require 1,000 pounds a day. Twenty pounds a day for logs is a large amount, but taking this esti-mate it would require 200 pounds a day for the tan 10^{26} , 10^{26} , 10^{26} , 10^{26} , 10^{26} , a required for the scale should be a a required for the stock each day, and if fed 200 days—4,000 bushels would be required. would be required.

would be required. An average erop of roots, rows be-ing sown about 25 or 32 inches apart, and the plants thinned out to 10 to 12 inches apart in the rows, would produce approximately 20 tons of needs to the acre. To make allowance, therefore, for the seasons, three or four acad or your stock. If it is devised to get a good ample to the season approximately 20 to the season approximately 16 to the devised to get a good ample

If it is desired to get a good crop of roots, and, at the same time culti-vate the land, so as to kill weeds, and prepare it for future crops, it is essential to sow in drills. By sow-ing broadcast cultivation cannot be ing broadcast cultivation cannot be followed; a smaller crop is assured, the roots themselves are small, and it requires more labor to handle them.

Rows can be planted at any width allow for cultivation. If it is Rows can be planted at any width to allow for cultivation. If it is intended to cultivate with a horse hoe, 18 to 24 inches apart is wide enough. If it is desired to use a spring tooth cultivator with team, which would facilitate considerable work, we would advise sowing from 28 to 38 inches apart. The more cultivation that is given

The more cultivation that is given this crop, the greater will be the ion. Cultivation should be production. Cultivation should be followed with a view to eradicate the weeds, as well as increasing crop production. It should be the aim to cultivate after every rain, in order to break the crust, create a mulch, and thus conserve the soil moisture. production.

Mangles, if they are to be stored for any length of time, will not stand a very hard frost. A hard frost affects them, causing them to rot in a very short time. Turnips, on the other hand, will stand considerable frost without injury. **Questions About Alfalfa**

What kind of grain is best to seed down with alfalfa clover? What time of the year is best to seed down? How does it do on sandy land?-G. W. B., Ont.

the Western States, where al-In the Western States, where al-falfa has been grown for many years, the practice generally adopted is to seed without a nurse crop. Some see without a nurse crop. Some growers in Ontario have had good suc-cess by seeding with barley, or some spring grain. Others report good re-sults with short straw and peas, to recommend the latter plan Wheth-r a nurse, eron is used are wet. to recommend the latter plan. Wheth-er a nurse crop is used or not, it will be a safe plan to inoculate the alfalfa seed before soving with the bacteria suitable for its growth. These can be had by applying to the Bac-teriological Laboratory, Ontario Agri-cultural College, Guelph, and will be sent with full instructions as to their use their use.

The best subscritteness to the subscription of the set of the subscription of the subs

Umbilical Hernia.

I have a colt eight months old that has a small rupture about the size af a butternut just at the end of the sheath. This has been much larger but was kept bandaged. The bandage has now been taken off. What should I do with it - D.T., Simcoe Co., Ont.

As the truss or bandage has suc-As the truss or bandage has suc-ceeded in reducing the size, I advise its continuance. When a truss will ef-fect a cure it is much the better treatment. When a truss will not cure an operation by a veterinary is nec essary There are many operations for this trouble, the most common one being the application of a clam, or skewers, but an amateur could not operate with safety

Age to Castrate.

At what age should colts be castrated 1-D.T., Simcoe Co., Ont.

Opinions differ on this point. The Opinions differ on this point. The younget the less danger, (provided, of course, he is healthy and normal), and of course the less the loss, should untoward results occur. In my opin-ion the better time is between 10 days about a yearch doll. If not then, at about a yearch doll. If not then, at about a yearch of the he can be turned out on grass. If a person wants his geding to have the mascuturned out on grass. If a person wants his gelding to have the masculine appearance of a stallion, he should not operate until he is two or three years old.





AUTHORIZED CAPITAL, \$2,000,0000.00

Special attention given to the business of Farmers, Cattie Dealers, also the accounts of Cheese Factories and Creameries. Sales Notes discounted. Money Orders issued payable at any banking town. Farmers' Notes discounted. Money loaned for grass or stallfeeding cattle. Municipal and school section accounts received on favourable terms.

SAVINGS BANK DEPARTMENT

Deposits of One Dollar and Upwards received and interest compounded 4 times a year.

Prompt attention given to the collection of Farmers' Sales Notes.

Free Veterinary Book

Be your own horse doctor, you to cure all the common all splint, spavin, lameness, etc. the makers of



The world's greatest ho remedy. \$100 reward failure to cure above di is possible. Write for th iscases where cure the book Pot TUTTLE'S ELIXIR CO., 13i Beverly St., Boston, M. atresit H. A. Tutlio, Mgr., 32 St. Gabriel Reware of all blisters: only temporary relief, (f.

MURRANT'S

carloada

Maple Syrup Makers

Did you ever stop and think that you can mak your Maple Grove the best paying investmen on your farm for the satural line open if The results are accomplished by thousands of up-t date Sugar Makero on the American Coultmos and Sugar Makero on the American Coultmos symething better than can be obtained by usin oil out-of-date pans; if you will lake th trouble to write us, we will forward you d scriptive catalogue.

THE GRIMM MFG. CO. 58 Wellington Street, Montreal.

