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HAMILTON MICA ROOFING CO. 101 REBECCA ST. HAMILTON, CAN.

#### AUCTION SALE HOLSTEIN-FRESIAN CATTLE At Maple Stock Farm, Bealton, Ont. WEDNESDAY, MARCH 30th, 1910 -

Eighteen females and 12 bills. Maple Horf represents several of the greatest families of the breed, TaK, Johanna, Wayno, Pieterle, Posch, Mechlide, Schulling, Mercene, Johanna, Wayno, Pieterle, Posch, Mechlide, Schulling, Mercene, Jacob and Johanna, Wayno, Pieterle, Bulls states are a choice lot, you could be considered to the breed. His dam, Paforti 7th, Bulls states are a choice lot, you could you could be made and the herd. His dam, Paforti 7th, Grand Champion at Toronto and of the herd. His dam, Paforti 7th, Grand Champion at Toronto and 498, will his fire's dam, of Grand Champion at Toronto and 18 by the state of the could be seen to the country of the

WM. SLAGHT.

BEALTON, ONT.

# ARTHUR JOHNSTON'S

(Greenwood, Ont.)

# BIG **Dispersion Sale**

Tuesday, March 8th

Of the whole of his noted herd of SCOTCH SHORT HORN CATTLE including a number of English Milking Short Horns

About 40 Females of various ages

9 excellent young Bulls fit for service

I exceedingly good 3-year-old Imported Scotch Bull, one of the best bulls ever used in the herd.

Mr. Johnston has sold his farm and every animal will be sold, whatever the price. Parties will be met evening before and morning of sale.

CLAREMONT STATION, C.P.R. PICKERING STATION, G.T.R.

TERMS: Six months credit on approved paper, with Five per cent, per annum off for cash.

CAREY M. JONES, Chicago, Ill., Auctioneer

### Increasing the Clover Crop

Every farmer knows that if he plows up a clover meadow he increases the fertility of that field. One of the reasons for this is that the clover contains a large store of the valuable fertility element, nitrogen and as the clover plants decay in the soil this nitrogen becomes available for the use-of the succeeding crop. The question of the succeeding crop. The question of the succeeding crop. The farmer may include as he turned up the roots of the clover that there were scattered along the roots, especially on the finer rootlets, little whitish nodules the finer rootlets, little whitish nodules the condition of these title nodules in two with a sharp knife he would have seen that the inside was pinkish white, and if he had a powel far increase. Every farmer knows that if he seen that the inside was pinkish white, and if he had a powerful microscope at hand he would find on assumining this pinkish white substance. That it was largely a mass of very tiny rods, some straight, some curved, and some T or Y shaped. These rolls are NITROGEN FROM THE AIR

NITROGEN FROM THE AIR

These bacteria get into the fine roots when the seed germinates, grow and auditply there as the clover plants grow, and as they grow they draw upon the nitrogen of the air in the soil and store this nitrogen up in the clover plant. Hence, the clover plant by the aid of these bacteria is able to grow, and to store up more nitrogen than it needs and which it can supply to succeeding crops. Without the harteria, the clover plant must get to grow, and to store up more attroped than it needs and which it can supply to succeeding crops. Without the bacteria, the clover plant must get all its nitrogen from the soil instead all its nitrogen from the soil instead of getting much of it from the air, and hence when the clover is plowed under there is no actual increase in whether the soil is not soil. In fact, clovities that the soil is not soil in the soil is soil in the plant roots. This is explained mit plant roots. This is explained mit plant roots. This is explained mit plant in the original soil in the soil is soil in the soil is soil in the soil in the soil in the soil in the soil is soil in the soil in the soil is soil in the soil is soil in the soil

which may be obtained by addressing that department.

These bacteria can be grown under artificial conditions in bacteriological laboratories, and cultures of them may be applied to the seed when it is sown, thus furnishing plenty of the appropriate nodules. When there is failure to get a good stand of clovers, when the crop does not thrive, it was not be considered to the condition of the seed in cases the treatment of the seed in future seedings, as mentioned above. The condition of the seed in future seedings, as mentioned above. such children is usually advisable when seed of any clover is sown on new land or on a field that has not pre-viously grown that crop.

THE CULTURES Each year since 1905 the Bacteriol-ogical Laboratory of the Ontario W. F. Yessey. Alarapan, Book Agricultural. College at Guelph, has

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sent out such cultures to all farmers who applied. Each year, recipionts of the cultures have leen asked to e-port as to whether the treatment of the seed had resulted in benefit or not, and of these reports about 65 per cent. stated that the cultures had aided in securing a better stand and increase in securing a better stand and increase in securing a better stand and increase in the securing and securing the conference of the securing and securing the conference of the securing a better stand and increase in the securing a securing a better standard ouring the conference of the securing a securi

Enclosed find my renewal for Farm and Dairy. I am much pleased with it. It is a fine farm paper.—F. Walker, Frontenac Co., Ont.



## ABSORBINE

Removes Bursal Enlargements, Thickened, Swollen Tisenes, Thickened, Swollen Tisenes, Thinkened, Swollen Tisenes, Swollen Tisenes, Swollen Swollen, Cures Spart Incide or Strain, Care Spart Incide or Strain, Pain Does not Hiller, Allay, Pain Does on Hiller, Book D Iree, ABSORIUS, Book D Iree, ABSORIUS, Book D Iree, ABSORIUS, For Synthia, Swillin, Goo

DISPERSION

# 40 HEAD HOLSTEIN-FRIESIAN GATTLE

At MADOC, MARCH 25th, 1910 Including the great bull, SARA JEWEL HENGERVELD'S SON, whose dam has an A.R.O. butter record:

In 7 days of 28.12 lbs.; in 30 days of 110.18 lbs.

In 7 days of 28.42 lbs.; in 30 days of 10.18 lbs. and the only cow in Canada that ever produced in official test one hundred pounds of milk in one day.

All the females old enough are bred to this great bull, and by the time of the sale there will be 20 calves sired by him.

Catalogues will be ready by March 1, 1910. Positively no reserve Stages connect with C.P.R. at Ivanhoe and C.O.R. at Eldomolo for Madoc, and willdelieve on date of sale all intending purchasers any farm. The sale of the farm, and arrangements are complete for transportation from G.T.R. station to the farm.

Col. D. L. PERRY, Columbus, Ohio, Auctioneer

J. A. CASKEY, Prop. Madoc, Ont.

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Minister indicatin alive to posal. T by Mr. Blacksto Warden varden who prese tation. Messrs, (S. Clark