(6) Experiences in Cow Testing

H. Cherry, Haldimand Co., Ont. One does not need to drive far into the country even to-day to find that the good advice given by Farm and Dairy and other farm journals in re-gard to the care of cows is not heeded. In winter herds of shivering cows still huddle around the straw stacks while their owners stoubly maintain that there is no money in dairying.

there is no money in dairying.

I was in the same position myself some few years ago, but decided to specialize a little and await results.

I purchased a set of dairy scales and a four-buttl-Babeook tester. Their combined use was the means of ridding the herd of nine out of 13 of the dairy cown. New years were purchased it. New ones were purchased, including some pure bred Holsteins My dairy cows now average from 8,000 to 15,000 lbs. of milk per cow annually. Formerly from 8,500 to 4,000

lbs. of milk was the limit.

Three of the grades in my herd have for their dam the light-colored cow pictured in Farm and Dairy of Dec. 15th. The cow there idustrated gave 15th. The cow there i lustrated gave her owner, Mr. Wm. Pearce, of Oxford Co., Ont., 11,366 lts. of milk in eight months. He sold her for \$195. The heifers are no discredit to their

A Combined Rake and Tedder

Prof. John Evans, Guelph, Ont.

Simplicity is not always a characteristic of combination implements, but it is present to a marked degree in the new side-delivery rake and ted-der, which does away with at least implement in hay-making, may be explained that "when

It may the rake drum revolves in one direc-tion, the machine acts as a side delivery rake; by moving a lever, thus reversing the direction in which the drum revolves, the machine is im-mediately transformed into a hay ted-

When the machine is used as a sidedelivery rake, the rake drum revolve



ss Gate is made of stee d into one solid piece. It is of sag nor get out of order.

Peerless Farm and Gates

They will save you money be seed repair. We also make lawn ence that stands the test of time

HE BANWELL HOXIE WIRE FENCE CO , Ltd., Dopt.H , Winnipog, Man. Hamilton, Ont.

in the opposite direction to the road farming. Before your Canadian farm wheels. The rakes collect two swarths ers will ever adopt the most up-to-date cut by an ordinary two horse mower and scientific methods of crop produccut by an ordinary two horse mower and it is claimed will deliver the hav gently and neatly in one loose continuous windrow, in the best possible shape for "air curing," The motion of the teeth is "easy but positive," their action, we are assured, being very similar to the work of hand rakes.

When acting as a tedder the rake drum revolves in the same direction as the road wheels, but naturall, at a higher speed. In this way it shakes a higher speed. In this way is shared the hay gently but thoroughly, with-out any thrashing or injury, the hay lying in two swarths cut by an ordin-

y two-horse mower. The rear castor wheels can be adjusted to carry the frame at varying heights to suit all conditions of soil

ers will ever adopt the most up-to-date and scientific methods of crop production they will have received instruction on scientific agriculture in their schools. Before they can ever appreschools ciale the great importance of commer-cial fertilizer and be able to profit from their use they will require siderable knowledge of agrici agricultural siderable knowledge of agricultural chemistry. This they have not to-day, nor will the rising generation get it from the young girl school teachers who dispense the training in the pub-

"Did Canadian farmers adopt some of the methods that have brought us success in Hawaii, your agriculture would obtain a new lease of life and become exceedingly profitable. Before it will be possible for you to get the returns you might it will require that heights to suit all conditions of soil returns you might it will require that and surface and crops, and coil steel more land be worked under one mansprings are fitted on the stems of the agement. It may be worked cooperactors to lessen jobling on uneven atively, if you wish, but it will not pay ground. The teeth are arranged in so well as to have large areas under



The Tent Covered Sale Ring at the Recent Noted Ayrshire Sale

This illustration shows the tent under which the Robt. Hunter & Sons great e of Ayrshires was anducted.—Photo by an editor of Farm and Dairy.

three rows, with ample clearance between each, and the rake drum is provided with a number of curved rods to assist in cleaning the teeth as they rise from the ground.

Scientific Agriculture in Hawaii (Concluded from page 3)

(Concluded from page 3) if there is a farmer in Peterboro county who has ever spent anything worth while for fertilizer to apply on his land. Even the fertilizer you have in the country is, not appreciated. I understand that large quantities of wood ashes annually are allowed to leave the farms, and they enter the channels of commerce, and are shipped to be used by the United States farmers."

Among other subjects touched upon by Mr. Boswell was that of our edu-cational system, "Farming is like every other business," he said. "There is no end to what one can learn about

the management of a capable head, the management or a capable near, is able to take advantage of the many is economies that may be effected and with a knowledge of agricultural chemistry that will enable him to use

commercial fertilizers at a profit.

"Just a final word on this matter of commercial fertilizers. You know that in the old countries of Europe, where land is much more expensive and profits must be larger per acre than are called for here, large use is made of the fertilizers. I am satisfied that such fertilizers as sodium nitrate superphosphate and potash salts be used here with great profit by your farmers did they understand them d grow the crops they might."

Cow Improvement on a Big Scale S. A. Freeman, Oxford Co., Ont.

Last year our herd of 70 cows gave us 526,042 lbs. of milk, an average of 7,515 lbs. We received for this milk \$6,510.61, an average of \$93 a cow. \$5,510.61, an average of good a correction of the best cows had an average production of 10,426 lbs. of milk, The herd is composed of grades of all

In 1906 the average production of our herd was 5,149 lbs. of milk. They have made a gain, therefore, of 2,366 lbs. each. They have always received much the same care and feeding. This additional flow at the average price that we receive for milk this year. \$1.233/ a \$1.23¼ a cwt., means an added revenue of \$2,237. I attribute this gain almost entirely to weighing the milk from individual cows and keeping re-cords. The poor cows have got to travel. ivel. I set my standard this year 7,000 lbs. each, and sold the nine that did not measure up to this stan-dard. I have 12 two-year-old heifers to replace them. I am not satisfied with my herd yet, however, and in-tend to keep on testing and weeding out the poor ones until the cows have average production of 10,000 lb

In feeding silage is our standby. We grow 50 acres of corn each year. Last year we bought in addition to what we grew on the farm \$606.26 worth of mill feed, mostly bran.

Our Veterinary Adviser

ABSCESS ON LEG.-"One of ABSCESS ON LEG.—'One of p. home of the home one of its hind legs sweller from short distance above the hock relationship of the horse had been runned to burst, and has since been runned to burst, and has since been runned to burst, and has swelling in her trong the horse had to be home to be horse had to be horse had to be horse horse had been had

if the swelling does not subside rub and bandage when he is in stable. Give regular exercise or and give one dram iodide ofpotas

DIARRHOEA IN CALVES.—My came scouring very badly. Have tried as ing castor oil, reducing the amount wilk fed, etc., but without success, treatment would you recommend.—B 7. Peel Co., Out.

Peel Co., Ont.

Add to the milk given one-fifth of its bulk of lime water. If this doe not check the scouring, give to drams laudanum and one dram each characteristics. of catechu and prepared chalk in little new milk every five hours w til diarrioca ceases, and continue the lime water

A raised sleeping platform in the piggery makes the pigs cleaner and more comfortable.—W. J. Telford Peterboro Co., Ont.

160 ACRES of LAND FOR THE

SETTLER

Large areas of rich agricultural lands, convenient to railways, are now available for settlement in Northern Ontario

The soil is rich and productive and covered with valuable timber.
For full information regarder homestead regulations, and special colonization rates to settlers, write

The Director of Colonization Department of Agriculture, TORONTO



SYNOPSIS OF CANADIAN NORTH-WEST LAND REGULATIONS

WEST LAND REGULATIONS
Any person who is the sole head of a family, or any ho is the sole head of any homested a quarter section of arise and head of may homested a quarter section of arise and head of the sole of the section of the Any person who is the sole head of a mily, or any male over 18 years of ay homestead a quarter section of arable Dominion land in Manitobs, Saska

FARM ******

July 13,

Rédécéde

Harvestin We cut ou can be stripp and the thur We cutting tached to the Lotton. The I lowed to dry the seeds bauling the with cotton.

In case it r field we do hasten drying crop. A bus would be los handling. It very gently.

Secret of

Underdraini the problem of and securing l The point is ing lette Dairy last wee erville, of th Brockville, On A few days Stafford's of Lyn, Ont., a much intereste wheat.

pulled by the Sin. in length. Mr. Staffor of the county nent farmers in been a strong a ing. These six were well sum son, plowed for and harrowed sary, manured acre, and sowe September. A visited Mr. Sta indication that average yield of but best of all t grass were com To the write striking exampl oy summer falle

tivation. This season mer-fallowing 10 isfied that by a pletely eradical ther noxious w this case is ver Stafford would information to a of cultivation a has Stafford on this ing mustard, etc luction of th many farmers i well repaid for

Management Information fo alfalfa fie seeded is given agronomist at t ment Station in d form :

When weather infavorable the When this occur and the following the case may be. successful trial d If the leaves

badly, or if sev ects, or if weeds

the young plants, Clip whenever

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