

The Healthy Steer the Money Steer

Insure Animal Health Through

ZENOLEUM

Disinfectant, Lice Killer, Germicide.

It makes Healthy Quarters, Avoids Contagion, Kills all Lice and Insects, Relieves from Stomach and Intestinal Worms.

Zenoleum is Used and Endorsed by 43 Agricultural Colleges.

F. A. Nave, Hereford Cattle, Attica, Ind.
"It is with pleasure that we recommend ZENOLEUM to anyone for disinfecting, or to kill lice or mange on any kind of stock. We use it in our cattle barns and hog houses to purify them, with great success."

Frank W. Harding, Short Horn Cattle, Waukesha, Wis.
"We have used ZENOLEUM exclusively the past two years, and find it very satisfactory sheep-dip and cattle and hog wash, killing all ticks and lice and leaving the fleece or hair as the case may be, in a satisfactory condition. I take pleasure in recommending ZENOLEUM."

These are sample words from a few of the thousands of rank and file people who use Zenoleum. They use it because scientific men and the Experiment Stations have taught them its value.

Prices, Freight Prepaid: One Gallon, only \$1.50. Two Gallons, only \$3.00. Five Gallons, only \$6.25.

Send for "Zenoleum Veterinary Adviser" and "Chicken Chat" Free, Sure Guides to Animal and Poultry Health.

Zenker Disinfectant Co., 113 Lafayette Ave., Detroit, Mich.

ALBERTA
FARMS
CHEAP

Do You Want One?
WE SELL THEM.

Samis & Bush,
Calgary.

Write to-day.

BOYS FOR FARM HELP

The managers of Dr. Bernardo's Homes invite applications from farmers, or others, for the boys who are arriving periodically from England to be placed in this country. The young immigrants are mostly between 11 and 13 years of age; all will have passed through a period of training in Dr. Bernardo's English Institutions, and will have been carefully selected with a view to their moral and physical suitability for Canadian life. Full particulars as to the terms and conditions upon which the boys are placed may be obtained upon application to Mr. Alfred B. Owen, Agent Dr. Bernardo's Homes, 214 Farley Ave., Toronto.

SPRINGBROOK HOLSTEINS & TAMWORTHS

Two rich-bred bulls, ready for service, from Official Record cows; also a few choice females. One Tamworth boar ready for service. Some nice spring pigs just weaned, both sexes. All high-class stock. Come and make your own choice.

A. C. Hallman, Breslau, Ont.

Lyndale Holsteins.

For Sale A number of bull calves from one to four months old, out of Record of Merit cows, and sired by Beryl Wayne Paul Concordia, whose four nearest dams have official butter records averaging 22 lbs. 11 ozs. each. **BROWN BROS., LYN, ONT.**

Centre and Hill View Holsteins

We have four yearling bulls left which we will sell at reduced price to quick buyers; from good producing strain; our own raising. Sold out of females at present **P. D. EDE, Oxford Centre P. O., Woodstock Station, C. P. R. and G. T. R.**

HOLSTEINS AND CHESTER WHITES.

Our Holsteins are producers and prizewinners. Young bulls and a few choice heifers for sale, also some extra good young Chester White pigs, both sexes. **D. G. GOODERHAM, Thornhill P. O. G. T. R. and street cars**

MAPLE GROVE HOLSTEIN-FRIESIANS

For Sale: Three bull calves, sired by Lord Wayne Meechthilde Calamity, and all out of Advanced Registry cows. Apply

WALBURN RIVERS, Falden's Corners.

Grove Hill Holsteins—Herd contains 55 head in the advanced registry. Our stock bulls have all been backed up by high records. Present offering: Several young bulls and a few females. **F. R. MALLORY, Frankford P. O. and Sta., C. O. R.**

"GLENARCHY" HOLSTEINS

We have for immediate sale several young bulls and a number of young females, that for ideal type and superior quality, backed up by gilt-edged breeding, are unsurpassed.

G. MACINTYRE, Renfrew P. O. and Sta.

IMPERIAL STOCK FARM HOLSTEINS

A prizewinning herd of imported, officially tested stock. Bulls of all ages for sale, also a few cows. **W. H. SIMMONS, New Durham, Ontario.**

QUEEN CITY HOLSTEINS

If you would like to purchase a young Holstein bull whose sire's dam has an official record of 550 pounds of milk and 26 pounds of butter in seven days, write to **R. F. HICKS, Newton Brook P. O., York Co.**

Holsteins at Ridgedale—A few choice bull and heifer calves on hand for sale, sired by Prince Pauline DeKof 6th. Ates up to ten months. Write for what you want, or come and see them. Shipping stations: Port Perry, G. T. R., and Myrtle, C. P. R., Ontario Co.

R. W. WALKER, Utica P. O., Ont.

HOLSTEINS FOR SALE



Four imported and one home-bred bulls, from 8 to 12 months old; also our entire crop of spring bull calves, from week old up.

sired by the grandly-bred imp. bull, Sir Howitje B. Pieterje, whose dam record is over 82 lbs. milk in one day, and from great-producing cows of the most fashionable strains. Can spare a few cows and heifers, from one year up; 75 head to select from. Cheese 13c. Don't delay if you want one from this herd.

H. E. GEORGE, Crampton, Ont.

Cows from the

ANNANDALE HOLSTEIN HERD

Have won during the past show season at Ottawa first and sweepstakes on cow, first on 3-year-old, first on 2-year-old class. At Guelph (dairy test) first and sweepstakes on cow, first and second in heifers. At Chicago (National) first and sweepstakes on cow, also second-prize cow, second and third on 2-year-olds, second on 1-year-old heifers, and a host of other prizes (different cows at different shows).

Bull calves, 4 months and under only, for sale from great dams and greatest of sires. Buy young if you want them from Annandale Stock Farm.

GEO. RICE, Tillsonburg, Ont.

WOODBINE HOLSTEINS

Herd headed by Sir Meechthilde Posch, absolutely the best official-backed sire in Canada. Dan Ianthe Jewel Meechthilde, 25.8 pounds butter in seven days. Champion cow of Canada over all breeds. Sire's dam, Aaltje Posch 4th, holds the world's largest two-day public test record—8.6 pounds butter. Young bulls of the choicest quality for sale.

A. KENNEDY, Ayer, Ont.

Ayr, C.P.R.; Paris, G.T.R.

A FEW HOLSTEIN BULLS

fit for service, for sale at reasonable prices. Choice females, all ages. If you are willing to pay good prices for good stuff, write me.

G. W. CLEMONS, St. George, Ont.

Maple Glen Holsteins—Three sons of Sir

Altra Posch Beets, whose granddam holds world's largest official record for her age, and grand-sire has over 60 tested A. R. O. daughters, the most by any bull on record. Brother of Auggie Cornucopia. Secure the best. **C. J. GILROY & SON, Glen Buell, Ont.**

SHANNON BANK STOCK FARM

FOR AYRSHIRES AND YORKSHIRES

Young stock of both sexes for sale from imported stock.

W. H. TRAN, Cedar Grove, Ont.

SPRINGBROOK AYRSHIRES.

Gave over 7,000 lbs. of milk, testing 3.9 per cent. butter-fat, during 1905. **For sale:** One bull 4 years old, Comrade's Fancy of Glenora 15790; bull calves of this year; also females of all ages.

W. F. STEPHEN, Huntingdon, Que.

AYRSHIRES FROM A PRIZEWINNING HERD

Have some nice bull and heifer calves for sale at reasonable prices. For particulars, etc., write to **WM. STEWART & SON, Campbellford Stn., Ont.**

AYRSHIRES

The famous Reford Herd at St. Anne de Bellevue, Que., now owned by Sir William C. Macdonald.

Several yearling bulls for sale; also a number of bull calves. Quality and appearance extra good, bred from the best milking strains, noted for robust constitution and large teats.

For particulars apply to

MACDONALD COLLEGE
St. Anne de Bellevue, Quebec.

AYRSHIRES and YORKSHIRES

An August, 1904, bull of a choice dairy strain. A March, 1905, bull calf, very stylish, a winner. Several young calves of good breeding; cheap to quick buyers.

Some real good 2-year-old heifers in calf. Orders booked for young pigs.

Correspondence solicited.

ALEX. HUME & CO., Menie P. O., Ont.

Hillview Herd of Prizewinning

AYRSHIRE CATTLE.

All animals bred and carefully selected for size, constitution, long teats and deep-milking qualities. Select animals of both sexes for sale at reasonable prices. For further information and prices write

A. KENNEDY & SON, Vernon, Ont.

Winchester Station, C. P. R.

Maple Cliff Dairy and Stock Farm

Breeders of Clydesdale Horses, Ayrshire Cattle, Berkshire and Tamworth Pigs. Young stock for sale at all times.

R. REID & CO., Hintonburg, Ont.

Farm adjoins Central Experimental Farm.

AYRSHIRES—Choice stock of either sex, different ages, for sale. Prices

reasonable. For particulars apply to

N. DYMENT, Hickory Hill Stock Farm, Dundas Stn. & Tel. Clappison, Ont.

COOPER DIP

250 Million Sheep Dipped in it Every Year.

Has no equal. One dipping kills ticks, lice and mites. Increases quantity and quality of wool. Improves appearance and condition of flock. If dealer can't supply, send \$1.75 for \$2 (100 Gal.) Pkt. to

Evans & Sons, Ltd., Montreal & Toronto.

Leicester Sheep—Choice ram and ewe lambs; also a few yearlings for sale.

For particulars, write to **CHAS. F. MAW, Milton Stn. and Tel. Omagh P. O.**

SHROPSHIRE

Shearling ewes and rams for sale.

GEO. HINDMARSH, Allsa Craig, Ont.

Oxford Down Sheep, Shorthorn Cattle, Yorkshire Hogs.

Present offering: Lambs of either sex. For prices, etc., write to **John Cousins & Sons, Buena Vista Farm, Harriston, Ont.**

QUESTIONS AND ANSWERS

Veterinary.

THOROUGHPIN.

Have Hackney colt, rising one year old, which had one hock swollen some time ago. The swelling has all disappeared, except small puff, similar to thoroughpin. Colt is not lame. **SUBSCRIBER.**

Ans.—Apply Churchill's tincture of iodine with a stiff brush, once daily, until it blisters. Apply again in two weeks. **R.**

HEAVES.

Mare, 10 years old, seems to be taking the heaves. Is there any method of prevention, and cure, when, as in this case, first noticed? **J. P. R.**

Ans.—Heaves, when thoroughly established, are looked upon as incurable, but with proper care the symptoms can be so much relieved that they are scarcely noticeable. Feed only the very best quality of food; shake dust from hay, and sprinkle with lime water; wet oats with lime water; water before feeding, allowing only an ordinary pailful at a time; keep stable well ventilated, and give an ounce of Fowler's solution of arsenic twice daily. One to three ounces of raw linseed oil daily is also advised. **R.**

NASAL GLEET—TUBERCULIN TEST.

I saw a question and answer re nasal gleet in your issue of April 26th, but it was not sufficiently complete to suit me, so I ask some questions:

1. Is nasal gleet contagious?
2. What are the symptoms?
3. I have a mare that coughs while at work, but little when idle. A few days ago, when coughing, there was a discharge of a whitish secretion, with three little red spots in it, from her nostril.
4. I also saw something about tuberculosis, but the answer was not satisfactory. Cannot a farmer test his own cattle, and how is it done? **F. R. T. Que.**

Ans.—1. No.

2. An irregular discharge from one or both nostrils; some days the discharge will be slight or absent, some days copious. There may or may not be a cough. In rare cases, the discharge contains blood. There is usually general unthriftiness. In some cases there is a bulging of the bones of the face, and in some cases the nasal discharge has a foul odor.

3. I am inclined to the opinion that your mare has chronic disease of the lungs, but it may be nasal gleet, which, of course, is a chronic disease. In either case, the red spots you mention were blood which escaped from a small vessel in the nostrils which ruptured during coughing. On the other hand, your mare may be suffering from glanders. There are so many conditions that cause a nasal discharge, it is not possible for a man to say with certainty what condition exists without a personal examination of the patient. If your mare has nasal gleet, the treatment recommended in the issue you name will probably affect a cure, unless an operation is necessary.

4. If a farmer has the necessary instruments, the tuberculin, and the necessary skill in handling the instrument, and the necessary knowledge, he certainly can test his own cattle. The operator must satisfy himself that the cattle to be tested are not suffering from any disease or abnormal condition other than tuberculosis, which might cause an increase of temperature during the test. The temperature of the cattle should be taken 6 hours and 3 hours before and immediately before injection, and, of course a record kept. The instruments and seat of injection (usually the loose skin behind the shoulder blade) are disinfected with a five-per-cent. solution of creolin. With a hypodermic syringe, about 70 drops of a ten-per-cent. solution of tuberculin in a one-per-cent. solution of carbolic acid is injected under the skin. The cattle are cared for the same as usual. In about 9 hours after injection, the temperatures are again taken, and then every 2 or 3 hours, until 24 hours have elapsed since injection. If an animal's temperature increases 2 degrees or over above the highest point before injection, she is tubercular. Over one and less than two degrees is suspicious. Under one degree indicates soundness. **V.**