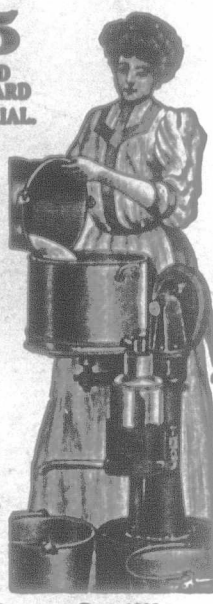


15⁹⁵ AND UPWARD ON TRIAL

AMERICAN CREAM SEPARATOR

A SOLID PROPOSITION, to send fully guaranteed, a new, well made, easy running, perfect churning separator for \$15.95. Shims warm or cold milk; making heavy or light cream.

Absolutely on Approval. The bowl is a sanitary marvel, easily cleaned. Different from this picture, which illustrates our large capacity machines. Shipments made promptly from WINNIPEG, N. W. A. TORONTO, ONT., and ST. JOHN, N. B. Whether your dairy is large or small, write for our handsome free catalog. Address: **AMERICAN SEPARATOR CO.** Box 1200 BAINBRIDGE, N. Y.



Lump Jaw

The first remedy to cure Lump Jaw was **Fleming's Lump Jaw Cure** and it remains today the standard treatment, with years of success back of it, known to be a cure and guaranteed to cure. Don't experiment with substitutes or imitations. Use it, no matter how old or bad the case or what else you may have tried—your money back if Fleming's Lump Jaw Cure ever fails. Our fair plan of selling, together with exhaustive information on Lump Jaw and its treatment, is given in Fleming's Vest-Pocket Veterinary Adviser. Most complete veterinary book ever printed to be given away. Durable bound, indexed and illustrated. Write us for a free copy. **FLEMING BROS., Chemists, 77 Church Street, Toronto, Ont.**



Calves Without Milk

BLATCHFORD'S CALF MEAL
The Complete Milk Substitute

The result of over 100 years' experience with calf-raisers. The only Calf Meal made in an exclusive Calf Meal Factory. As rich as new milk at less than half the cost. Makes rapid growth. Stops scouring. Three calves can be raised on it at the cost of one. Get Bulletin, "How to Raise Calves Cheaply and Successfully Without Milk" by sending a post card to **Steele, Briggs Seed Company, Toronto, Ontario**.



WILLOWDALE STOCK FARM
Holsteins & Clydesdales

For Sale: A pair of choice Holstein cows, 6 and 7 years of age, just fresh. This pair won 3rd and 4th in dry class at Toronto National Dairy Show; also some other good cows soon to freshen and some yearling heifers. Write for prices and breeding.

EDGAR DENNIS Newmarket, Ontario

The Maples Holstein Herd

Headed by Prince Aggie Mechthilde. Present offering: Bull calves born after Sept. 1st, 1913. All sired by Prince Aggie Mechthilde and from Record of Merit dams. Prices reasonable.

R. R. No. 5, WALBURN RIVERS, Ingersoll, Ontario

HOLSTEINS & YORKSHIRES

Minster Farm offers bull fit for service from a date of a 4-year-old Heifer with R.O.P. record of 14,753-lb. and 540-lbs. butter, and Lakeview Burke Fayne whose dam and sire's dam average 22.14-lbs. of butter 7 days. For extended pedigree write: **Richard Honey & Sons, Brickley, Ont.**

Holsteins Young herd headers. Just now headers up to 15 mos. of age, closely related to our Toronto Dairy Test Champion, and sired by the richly bred, Imperial Pauline De Kol.

W. W. Walker & Sons, Utica P. O. Manchester Station.

For Sale—Reg. Holsteins—A few choice young cows, due to calve March and May; also three yearling heifers from officially tested stock.

W. A. BRYANT, Strathroy, Ont. R.R. No. 3.

Please mention "The Farmer's Advocate."

Questions and Answers.
Miscellaneous.

Untimely gravelling.

1. A notified B that he intended drawing logs while sleighing was good. B had gravel put on the road. Is this lawful?

2. In case of accident, can A claim damages from Council?

Ontario. A SUBSCRIBER.

Ans.—1. No.

2. It is not probable that such a claim could be maintained.

Age of Turkeys.

1. To what age will a turkey hen live, and be useful as a breeding hen?

2. What is the greatest age you have known a turkey hen to live?

C. W. S.

Ans.—1 and 2. It is generally believed that a turkey hen does better the second year and thereafter, than she does as a young bird. They are generally most valuable up to six or eight years of age, but often live to much greater age. We have heard of a hen being very productive at thirteen years of age.

Barn Building.

I intend putting two narrow barns, each thirty feet wide, and the same height, side by side, on a high, nine-foot wall. They are too narrow to set that height against the wind. They also make better stabling side by side, with wall around outside and string beams to hold center. Could you give information as to keeping water out between the two barns? Could a gutter be made to keep the water out? Would it be best to cut the roof and bolt posts together, or leave them a couple of feet apart?

A. E. J.

Ans.—With the barns placed together as stated, there would be difficulty in keeping out snow, and a great deal of water would run down between. It would be more practicable to place the barns together, and put one roof on the two.

Tile and Clover.

1. How many acres can be drained in a six-inch main tile?

2. How many acres can be drained in an eight-inch main tile?

3. How many acres can be drained in a ten-inch main tile? I am using three-inch tile, four rods apart, three acres long, depth between 2 and 3½ feet; flat farm; fall 1 inch; water in trench just see it run slowly.

4. I would like to know if it would pay seeding alsike clover in the oats in spring, plowing it under the next fall or next spring. Red clover is very hard to catch. I don't like clover hay for feeding, it is simply to improve the soil, and not lose the season.

I. F.

Ans.—The water will run very slowly in a ditch with only 1 inch fall in 100 feet. We gather from your remarks that it is 1 inch fall in 100 feet, as you say 3 acres long. Acres is a measure of area, not of length. To know what a certain size of tile will drain, it is necessary to know the fall, and our calculations are based on 1 inch fall in 100 feet.

1. Ten acres.
2. About 20 acres.
3. About 35 acres.
4. You cannot adopt a better system unless you use clover hay as one year in the rotation. Many successful farmers always have clover in the seed-box, even if they are not seeding down. Alsike on heavy land is a little more likely to catch than red clover in some seasons.

Gossip.

It may be of interest to some of our readers to know of the progress the Dominion Department of Agriculture has made in distributing pure-bred sires. Owing to the lateness of the season, only a few stallions were sent out. To date, about 125 bulls, 175 boars, and 225 rams have been placed with various associations. The majority of the bulls were placed in the Prairie Provinces, while the rams and boars were fairly evenly scattered, both West and East, with a few in Northern Ontario.

50^{Prizewinning, Record-making} Holsteins 50^{BY AUCTION}

Owing to circumstances which must be remedied, I will, at my farm, one and one-half miles from the Village of Norwich, on

Wednesday, Feb. 11th, 1914



sell by auction, absolutely without reserve, my entire herd of 50 head of high class, prizewinning, record making and richly bred, Holsteins. I have been many years getting this herd together, they have cost me a lot of time and

and money, culling and testing to get them up to the present high standard, a standard that their sweeping victories at the leading shows, proves they have not an equal in the Province, but they all go under the hammer.

Senior and junior champions, senior and junior first prize herds, as well as many lesser honors, won by them this past fall.

Adult records up to 25 lbs., 3-year-old records up to 22 lbs. 2-year-old records up to 17 lbs. with official backing for generations back.

40 females, 14 heifer calves, 6 yearlings, 6 two-year-olds, 3 three-year-olds, 4 four-year-olds, 1 5-year-old, 5 6-year-olds, 1 and aged. 10 bulls from calves up to two years, unbeaten champions among them.

TERMS: Cash or 6 months with 7%. Conveyances will meet all morning trains at Norwich.

Write for Catalogue to:—

A. E. HULET, Norwich, Ont.

Royalton Stock Farm Holsteins

A number of cows and heifers for sale, bred to Royalton Korndyke Major (Imp.) 12937, whose dam gave 111.1-lbs. milk in one day. Am booking orders for bull calves from above bull at \$25 up, according to age and dam. All bulls of serviceable age sold.

E. C. GILBERT, ST. THOMAS, ONT.

Telephone connection

R. R. No. 7

Fairview Farms Herd

Offers for sale: A son of Rag Apple Korndyke 8th out of a daughter of Pontiac Korndyke with a record of 27.72 lbs. in 7 days, averaging 4¼% fat. Grand dam has a record of 29 lbs. Calf is nearly ready for service. Write me for description and breeding.

E. H. DOLLAR,

HEUVELTON, N. Y. (near Prescott, Ont.)

HOLSTEIN CATTLE

The Buyer's Opportunity

We have more Cattle than we can stable. Some of the finest young bulls and heifers we ever offered; their breeding and quality is the very choicest, they will be sold worth the money. Don't wait to write, but come and see them.

D. C. FLATT & SON, R.R. No. 2, Hamilton, Ont. Long Distance Phone 2471

KING SEGIS WALKER

The greatest transmitting family of the breed, holding the world's records for 3, 4 and 5 generations. I have for sale sons of this bull, from high-record daughters of Pont. Korndyke, making the greatest and most valuable combination it is possible to get in the whole Holstein breed. Photo and pedigree on application.

A. A. FAREWELL

OSHAWA, ONTARIO



HOLSTEINS—I can supply a limited number of high-producing and highly-bred bulls, bred on both sides from high official backing. Let me know your wants.

W. E. THOMPSON, R.R. No. 7, Woodstock, Ont. L.-D. Phone.

HOLSTEINS

W. T. WHALE & SONS,

GOLDSTONE, ONTARIO

Brampton Jerseys

tested daughters. Several imported cows and B. H. Bull & Son, Brampton, Ont. bulls for sale. Canada's Greatest Jersey Herd.

When Writing Advertisers Mention "The Advocate."