

**Bog Spavin**

Cure the lameness and remove the bunch without scarring the horse—have the part looking just as it did before the blemish came.

**FLEMING'S SPAVIN CURE (Liquid)** is a special remedy for soft and semi-solid blemishes—Bog Spavin, Thoroughpin, Splint, Curb, Capped Hock, &c. It is neither a liniment nor a simple blister, but a remedy unlike any other—doesn't irritate and can't be imitated. Easy to use, only a little required, and your money back if it ever fails.

**Fleming's Vest-Pocket Veterinary Adviser** describes and illustrates all kinds of blemishes, and gives you the information you ought to have before ordering or buying any kind of a remedy. Mailed free if you write.

**FLEMING BROS., Chemists**  
75 Church Street, - Toronto, Ont.

### What Every Dairyman Needs

A clip to hold the cow's tail while milking. Handy and easy to use. Saves the milkers many a nasty blow in the face from the cow's tail while milking. Sent post paid to any address, with full information as to how to use them, upon receipt of 50c. (fifty cents). Address:

**R. A. CHAMBERLIN**  
83 Baywater Ave. Ottawa, Ontario

### FOR SALE—Two Holstein Bull Calves

No. 1 born Dec. 20th, three parts white, nicely marked and a large, smooth, well-grown fellow.  
No. 2 born May 12th, nearly all white, except tips of ears and forehead which are black and a few black spots about neck. He is a large straight and likely looking fellow.  
No. 1 is from a R.O.M. dam and the dam of sires of both is also on the R.O.M. Photo on application. Box 847.  
**Griesbach Bros., Collingwood, Ont.**

### Holstein-Friesian Association of Canada

Applications for registry, transfer and membership as well as requests for blank forms and all information regarding the farmer's most profitable cow should be sent to the Secretary of the Association.  
**W. A. CLEMONS, St. George, Ontario**

1 Holstein Bull, 16 mos., 3 Holstein Bulls 8 mos. and under. 2 Canadian Bred Clydesdale Stallions rising two.

**R. M. Holtby**

Port Perry, R. R. 4

Manchester, G.T.R. Myrtle, C.P.R.

### Maple Grove Holsteins

There is still a bull fit for service left, of the Maple Grove quality and type, which will sell below his value; he is from R.O.M. stock on both sides; also a couple of rattling good calves sired by the great King Lyons Hengerveld out of Tidy Abberkirk and Pontiac Korndyke cows, fellows that will make herd headers. If you want such at a reasonable price, write.  
**H. BOLLERT, R.R. NO. 1, TAVISTOCK, ONTARIO**

### Holsteins for Sale

Grandson of Pontiac Korndyke; his dam, sire's dam and ten sister's records average over 31 lbs. butter in seven days. Choice individual. Price \$300.

**WM. A. RIFE, Hespeler, Ont.**

### Woodbine Holsteins

Young bulls and bull calves, sired by Duke Beauty Pieterje; sire's dam's record 32.52 lbs. butter, and his two grand-dams are each 30-lb. cows, with 30-lb. daughter, with 30-lb. granddaughter. Three generations of 30-lb. cows. If you want a bull that will prove his value as a sire, write.

**A. KENNEDY & SON, R.R. No. 2, Paris, Ont.**  
Stations: Ayr, C.P.R.; Paris, G.T.R.

### The Maple Holstein Herd

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

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

### GLENWOOD STOCK FARM HOLSTEINS

3 yearling bulls for sale, out of big milking strains, at low figure for quick sale. Thos. B. Carlaw & Son, Warkworth, Ont., Campbellford Station.

**Holstein Bull** Nearly white; age 6 months; dam has record of 9,000 lbs. (non-official) as a junior two-year-old and sire was second at Toronto Exposition from a 20,000-lb. two-year-old. **G. KEMMER, Sarnia, R. R. 1.**

Please mention "The Farmer's Advocate."

### Questions and Answers. Miscellaneous.

#### Septic Tank.

We have a dug well about 35 feet deep and 3½ feet in diameter, near the house. By partly filling in and concreting, could we use this as a septic tank for sewage? How deep should it be left, and where should the inlet and outlet drains be placed?

ENQUIRER.

Ans.—The valve or second compartment of a septic tank should not be more than three feet nor less than two and a half feet deep. The tank at Weldwood is 12 x 5 x 5 feet, outside dimensions, divided by two four-inch partitions into three compartments, with inside dimensions of about 5 ft. 6 in. x 4 ft. 4 in., 2 ft. 7 in. x 4 ft. 4 in., and 2 ft. 7 in. x 4 ft. 4 in. It is not necessary to make it five feet deep. Only two and one-half feet is effective depth, as the remainder of the wall was built to bring the top of the tank up to the ground level. Three to three and one-half feet would be deep enough on most farms. You would gain little by using the old well. It is not big enough, and would require filling up to the desired height. The soil pipe from the house enters the first chamber near the top. The pipe leading to the second (two are all that is absolutely necessary) is placed at very nearly the same level as the inlet, and runs down to near the bottom of the first chamber. The effluent flows out of ordinary drain tile and soaks away, or may be discharged in tile leading to a farm drain. A fresh-air pipe must lead to the drain for ventilation, and this drain flows out from the bottom of chamber two.

#### Water, Lighting and Power Queries.

Would like to hear from you on the following questions on house fitting. We are constructing new buildings and behind them is a large hill and we would like to put a tank in it to supply the house and barn with water.

1. What size tank would be required to hold enough water for 50 head of cattle and 10 horses as well as to supply the house.
2. Would this tank have to be covered in the ground to keep it from freezing?
3. I intend to have a soft water cistern in the cellar. Could I force the water up with one of those air tanks so as to have the hot water at the cook-stove and could the pipes be so arranged that if the soft water gave out I might turn on the hard water from a cement tank? Would like to have a waste pipe and cess pool.
- Please describe same.
4. Kindly give your ideas on electric light for the farm. Could it be done with a strong battery charged with a small gasoline engine and what would be the approximate cost of a plant large enough to drive a washer, churn and electric iron?
5. Which would be the better, electricity or acetylene for lighting, and what would the difference be in cost?

S. D. Mc.

Ans.—1. A tank 10 ft. long, 6 ft. deep and 3½ ft. wide will supply all. Any three dimensions multiplied together making 190 cubic ft. will be all right.

2. With the quantity of water coming in daily that would be necessary to supply sixty head of stock there would not be much trouble with freezing, even if left entirely open, but if convenient to cover with earth even part way up it would be wise to do so.

3. The air tank could be used satisfactorily in the way described and connections could be made to turn on the hard water if the supply of soft became exhausted.

4 and 5. The gasoline engine and dynamo could be used to charge storage battery, and then the light used either direct from the dynamo or from the battery when the dynamo was not running, but the cost of installing this method will be much greater than installing an acetylene outfit. The electric light, of course, is much more safe and convenient, especially for the barns. As the price of labor for installing varies somewhat you had better consult local plumbers regarding the cost of putting in an acetylene outfit. The price of the electrical outfit may be had by consulting Electrical Supply companies direct.

W. H. D.



### PURE BRED SIRES

#### THE LIVE STOCK BRANCH

Dominion Department of Agriculture

**WILL PURCHASE** during 1914, a number of CANADIAN-BRED Stallions, Bulls, Boars and Rams.

Animals must be of right type, in good breeding condition and of the following ages:

- Stallions, three to five years.
- Bulls, not under one year.
- Boars, not under six months.
- Rams, not under six months.

All stallions will be purchased, subject to veterinary inspection and bulls subject to the tuberculin test.

Breeders in Eastern Canada having CANADIAN-BRED male animals for sale, filling the above requirements and registered or eligible for registration in the Canadian National Live Stock Records, are requested to communicate with the Live Stock Commissioner, Department of Agriculture, Ottawa.

The purchase of stallions and bulls will be made during the current spring months. The purchases of rams and bulls will be deferred until the autumn.

Communications must state age and breeding of animal offered and price asked.—60271.

## LAKEVIEW HOLSTEINS

Senior herd bull—Count Hengerveld Fayne De Kol, a son of Pieterje Hengerveld's Count De Kol and Grace Fayne 2nd. Junior herd bull—Dutchland Colantha Sir Mona, a son of Colantha Johanna Lad and Mona Pauline De Kol. Third bull—King Canary Segis, whose sire is a son of King Segis Pontiac, and whose dam is 27-lb. three-year-old daughter of a 30-lb. cow. Write for further information to

**E. F. OSLER - - - BRONTE, ONT.**

## FAIRVIEW FARMS

Can furnish you a splendid young bull ready for immediate service, and sired by such bulls as PONTIAC KORNDYKE, the greatest producing sire of the breed, and also the sire of the greatest producing young sires of the breed; one of his sons already has six daughters with records above 30 pounds, RAG APPLE KORNDYKE 8TH, now heading our herd, and a few by a good son of PONTIAC KORNDYKE, and out of officially tested cows. Come and look at them, and the greatest herd of Holsteins you ever saw over, or write me just what you want.

**E. H. DOLLAR, Heuvelton, New York (Near Prescott, Ont.)**

## HOLSTEIN CATTLE

The only two world record Holsteins in Canada are owned by us. There are only three cows in the world that have made over thirty pounds butter, three years in succession; one of them is owned by us. The only bull in Ontario whose dam has given 116 lbs milk a day and made 34.00 lbs. butter in 7 days is owned by us. We have young bulls and females for sale bred on the same lines as our champions.

**D. C. Flatt & Son Long-Distance Phone R.R. No. 2, Hamilton**

### ELMDALE HOLSTEINS

Headed by Correct Change, by Changling Butter Boy, 50 A.R.O. daughters; he is by Pontiac Butter Boy, 56 A.R.O. daughters. Dam's record, 30.13-lbs., a grand dam of Tidy Abberkirk, 27.29-lbs. His service for sale; also young females in calf to him. **R. LAWLESS - Thorold, Ontario**

## Three Dandy HOLSTEIN Bull Calves

FOR SALE, FROM TESTED DAMS.

**F. HAMILTON, HAMILTON FARMS, ST. CATHARINES, ONTARIO**

### WILLOWBANK'S HERD OF REGISTERED HOLSTEIN-FRIESIAN CATTLE

Herd headed by King Korndyke Inka De Kol whose sire Pontiac is the world's greatest dairy sire. Will offer a number of both sexes from this grandly bred young bull and from dam with official 7-day records from 16 to 25 lbs butter in 7 days. **COLLIVER V. ROBBINS, RIVERBEND, P. O., WELLAND COUNTY. 'BELL' PHONE.**

### HOLSTEINS

We have a choice lot of bull calves with strong backing and from dams with records of 18 to 24 lbs. Just the kind you are looking for. Write for extended pedigree, or, still better, come to see us. Prices very reasonable.

**D. B. TRACY, Cobourg, Ont.**

**Don Jerseys** Young bulls of breeding age, young cows and heifers, got by our richly bred stock bulls, Fontaines Boyle and Eminent Royal Fern, and out of prize-winning and officially record dams. **David Duncan & Son, R.R. No. 1, Todmorden, Ontario**

## Brampton Jerseys

We are busy. Sales were never more abundant. Our cows on yearly test never did better. We have some bulls for sale from Record of Performance cows. These bulls are fit for any show ring.

**B. H. BULL & SON - - - BRAMPTON ONTARIO**