

## BISSELL LAND ROLLERS

are all steel except the Pole. They are braced and stayed to stand all kinds of hard work and wear well. The entire frame, bottom and all, is built of steel. The (18) anti-friction Roller Bearings make light draught. The Draw Bracket and low hitch do away with neck weight.

The Axle revolves with the drums and there is no squeaking or grinding.

The Cages holding the anti-friction rollers are the best yet; they're MADE OF MALLEABLE ALL IN ONE PIECE—no twisting or binding of the bearings on the axle of the "Bissell" Roller. The Seat Spring is reinforced and is DOUBLED AT THE HEEL. These good features are not all of the advantages of the "Bissell" Roller. Many more good points are built into them, making a Land Roller that is "built for business," that stands up against lots of hard work.

Ask Dept W for free catalogue.

**T. E. BISSELL CO. LTD.**  
ELORA, ONT.

**HERD BULL** for sale. Count of Lakeview (0076), calved March 28, 1910. Bred by Lakeview Stock Farm, Bronte, Ont. A splendid stock-getter. Over 80 per cent of his get are females. Must sell him as I have a number of heifers from him of breeding age. He is quiet and sure. Also two young bulls now ready for service, sired by Count of Lakeview whose dams are granddaughters of Johanna Rhue 4th Lad. Straight and nicely marked. Will sell a few cows due to freshen this month. Bell Phone, Fenwick Stn. C. V. ROBBINS RIVER BEND, ONT.

**Hawthorne Glen Holstein Herd**  
Offers young bulls ready for service, one from Calamity Houttje, winner of 1st prize in cow class at Guelph, 1912; also a half-brother to Pontiac Jessie, sweepstakes heifer under 36 months; also a few females. Prices reasonable.  
Write for particulars, or come and make your choice.  
**MARTIN McDOWELL**  
Eastwood Sta., G. T. R. Oxford Centre, Ont.



**PURE-BRED REGISTERED Holstein Cattle**  
The most profitable dairy breed, greatest in size, milk, butter-fat and in vitality. Send for FREE illustrated descriptive booklets.  
**HOLSTEIN - FRIESIAN ASSOCIATION,**  
P. L. Houghton, Sec., Box 127, Battleboro, Vt.

**Dale View Holstein Farm**  
Bull calves for sale, and a limited number of heifers and heifer calves, sired by a brother of Pet Porch De Kol, 38.58 lbs. of butter in 7 days. Champion weekly record Cow of Canada, and grand son of Mercedes Jupp's Pictorial Paul, sire of 63 A.R.C. daughters and 15 proven sons.  
**F. S. FERGUSON, INVERARY, ONTARIO**  
Frontenac Co. Long Distance Phone

**Holstein Heifer** Calves from heavy-unregistered dams, sired by the great bull, Cornelius De Kol. Price, \$12 each.  
**GLENORO STOCK FARM, Rodney, Ontario**

**Glenwood Stock Farm** **5 BULL CALVES** fit for service, out of big milking strains, at low figure for quick sale. **THOS. B. CARLAW & SON, WARKWORTH, ONT.** Campbellford Sta.

PLEASE MENTION THE ADVOCATE.

## Questions and Answers. Miscellaneous.

### Lactation Period.

Is it possible to keep a heavy-producing Holstein cow at her best, and give her from four to six weeks' rest each year, or does she require more, and if so, how much longer? W. J. H.

Ans.—Such a cow should be dry from six weeks to two months between lactation periods.

### Spavin.

I have a mare of the Coach breed, and she travels as if she was spavined. You cannot see any enlargement, but she is lame when I take her out of the stable for a little while, and then she seems all right. Her mother had a bone spavin. Can you give a blister that will kill the spavin and not kill the hair or disfigure the leg? I will have to work her when spring work starts. G. S.

Ans.—Enlargements from bone spavin cannot be removed. Where the animal is lame, get a competent veterinarian to fire and blister, and give the animal at least two months' rest—longer if possible.

### Bloody Milk--Polish for Piano--Icing on Cake.

1. I have a cow which gave bloody milk last year. She will soon freshen again. Would like to know whether anything could be done to avoid the same trouble again?

2. Could you tell me what would make a good polish for a piano?

3. What is the cause of the icing breaking and falling off a cake?

### A CONSTANT READER.

Ans.—We know of nothing of any value that could be done, to prevent this occurring. It is due to a congenital weakness of the blood vessels of the udder.

2. A Conservatory of Music teacher informs us that nothing is better for restoring the polish of a piano than simply washing it well, little by little, with Castile soap and soft water, rubbing each cleaned portion to a gloss at once with soft cloths and chamois. There are piano polishes, which are sold by most piano firms, if one prefers to use them.

3. Icings that are too hard often crack and fall off. Try a different recipe.

### Hens and Eggs.

1. Hens have diarrhea; feed them shorts, oats and corn; there are no drafts. Can you tell me what causes this?

2. Hens are lame. I had six of them, and they would stay down on the floor nights and could not walk. After three or four days they started to get better. What is it?

3. How long after a turkey mates does she begin to lay?

4. Are fried oats good for hens?

5. How many eggs would you prefer to put under a Plymouth Rock hen?

6. Is an empty egg, filled with mustard, good for hen eaters?

7. What makes young cattle die when put out to pasture in the spring? I have two or three die every spring.

8. How many eggs does a hen lay before she sits? J. W. N.

Ans.—1. Do they get plenty of grit and meat food, also green feed?

2. Probably rheumatism. Hens suffering from tuberculosis often go lame. Are you sure your pen is not damp or ill-ventilated?

3. A turkey will lay without mating at all. Mating and laying are not dependent one upon the other.

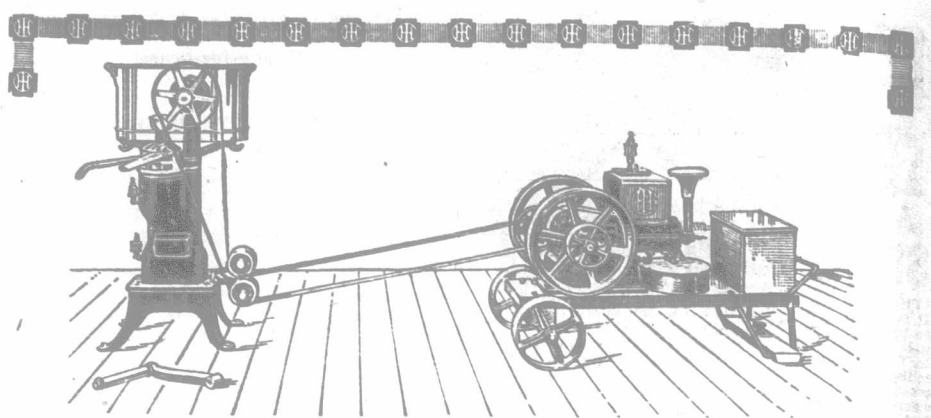
4. Never tried them.

5. Thirteen to fifteen.

6. What connection there would be between a "hen" eater and an egg filled with mustard we scarcely see. If "egg" eaters are meant, it might have some value, but would not likely prove very effective.

7. Who knows? Symptoms must be given before we can give intelligent answers.

8. Maybe two or three, or 150 or 200. There is no average number. Hens of the non-sitting breeds will often lay a full season without showing a desire to incubate; others, of the heavier breeds, and especially old hens, lay only a few eggs.



## Cream Separator Savings

**AN IHC** cream separator saves money for you in more ways than most people know. It saves cream because it skims practically all the butter fat out of the milk. It saves on the feed bills. Calves and pigs thrive on the sweet, warm skim milk that comes fresh from the separator. It saves fertility. The dairyman who feeds the skim milk to animals parts with a very small amount of fertility. The man who sells whole milk loses close to \$4.80 per cow per year in fertilizing matter. These three savings, while not all that a cream separator makes, are important enough to warrant the most thoughtful consideration.

## I H C Cream Separators

### Dairymaid and Bluebell

are also furnished as complete power outfits, as illustrated above. The engine is a one-horse power, back geared, hopper-cooled, I H C engine which can be detached and used to run any small machine. The separators are built for long life and skimming efficiency. They have heavy phosphor bronze bushings for bearings; a never-failing splash oiling system; trouble proof bowl spindle bearings; dirt and milk proof spiral gears which are easily accessible for cleaning. There are four convenient sizes of each style. Ask the I H C local agents who handle these machines for demonstration. Get a catalogue and full information from them, or, write the nearest branch house.



**International Harvester Company of Canada, Ltd.**

### BRANCH HOUSES

At Brandon, Calgary, Edmonton, Estevan, Hamilton, Lethbridge, London, Montreal, North Battleford, Ottawa, Quebec, Regina, Saskatoon, St. John, Winnipeg, Yorkton.



## SERVICE BULLS AND BULL CALVES FROM A. R. C. DAMS.

Sons of Johanna Concordia Champion, No. 60575, one of the richest bred and best individual bulls of the breed. His granddams, Colantha 4th's Johanna 35.22 per cent. butter, fat 4.32 per cent., and Johanna Colantha 2nd 32.90 per cent. butter, fat 5.02 per cent. Average butter in 7 days 34.06 per cent. Average fat 4.67 per cent. If you want to increase the butter-fat in your herd, let me sell you one of these bulls. I can spare a few good cows and heifers bred to the "Champion." Write me your wants and I will try and please you. **MAPLE AVENUE STOCK FARM, L. E. CONNELL, Prop., FAYETTE, FULTON CO., OHIO, U. S. A.**

## FAIRVIEW FARM'S HERD OFFERS sons of Pontiac Koradyke

25983, the greatest sire that ever lived, and the only bull that ever sired 13 daughters that have made 7-day records above 30 pounds each. Do you want your next bull to be a brother to such cows as Pontiac Lady Koradyke (35.62), Pontiac Pet (37.67), Pontiac Clothilde De Kol 2nd (37.21), Sadie Vale Koradyke (36.20), and eight others above 30 pounds? If you do, write me for price on a son of Pontiac Koradyke. I also have sons of Rag Apple Koradyke and Sir Johanna Colantha Gladi. **E. H. DOLLAR, HEUVELTON, NEW YORK. Near Prescott.**

## LAKEVIEW HOLSTEINS

We are now testing some of the daughters of Count Hengerveld Fayne De Kol, and they are running from 16½ lbs. with first calf to 20 lbs. with second calf. There are still a few young bulls from these heifers that we are offering at half their value, in order to make room. They are sired by Dutchland Colantha Sir Mona. Come to the farm and see the dams of these bulls and their dams.

**E. F. OSLER, BRONTE ONTARIO**

## Summer Hill Holsteins

Would you like your next bull to be from the same sire as the heifer that holds the world's record for yearly work, and the same sire as the Champion Cow of Canada in the seven day work, and the same sire as the Champion four-year-old of Canada in the thirty day work? We have bulls of this breeding to offer whose dams have records of over 27 lbs. We have also some extra choice heifers bred to our junior herd bull whose dam has a record of 34.60 lbs. butter in seven days and 111 lbs. milk a day. **Yorksires of all ages D. C. FLATT & SON, R. R. No. 2, Hamilton, Ont.**

**Woodbine Holsteins** Herd headed by King Segis Pontiac Lad, whose sire's dam is the champion cow of the world. Sire's sire is the only bull that has sired five four-year-olds that average 30 lbs. each. Dam's sire is the bull that has sired two 30-lb. three-year-olds. His two great grand sires are the only bulls in the world that have sired two 37-lb. cows. Bulls and bull calves for sale. **A. KENNEDY, AYR, ONT.**

## Evergreen Stock Farm High-class Registered Holsteins

For sale: A few choice young bull calves and females, all ages; good enough for foundation stock **A. E. HULET, Norwich, Ontario.**

**\$150.00** buys a 2-year-old HOLSTEIN heifer just freshened. Have also for sale some Yorkshire pigs just weaned.

**R. R. No. 1. A. WATSON & SONS, St. Thomas, Ont.**

## For Sale: Choice Bull Calves

Fayne 2nd Sir Colantha: also young females. Satisfaction guaranteed. **M. L. HALEY and M. H. HALEY, Springford, Ontario**

**Maple Holstein-Friesians** Special offering: Bulls from 1 to 15 months old. The growthy kind that will give good service. One from a son of Evergreen March, and all from Record of Merit dams. Write for particulars. **G. W. CLEMONS, St. George, Ont.** Bell telephone.

When writing please mention The Advocate

## The Maples Holsteins

I am now offering for sale 10 young bulls, official record backing on both sire's and dam's side. They are old enough for service, and my prices should soon sell them.

**WALBURN RIVERS, Foldens, Ont. Oxford County**