

First-Prize Calf of Lambton County
Owned and raised by D. A. Graham, Wainstead, Ont., the well-known stock breeder. Captured the cash prize at Lambton County Fair, Sarnia, October, 1914, in spite of strong competition, and was raised on

Gardiner's Calf Meal

"The Perfect Cream Substitute"

Contains absolutely no filler or cheap by-products.

MADE IN CANADA

A trial convinces. Write for prices. We pay the freight.

GARDINER BROS., Sarnia, Ont.

Buchanan's Swivel Carrier

For unloading Hay and all kinds of Grain.
For wood track, steel track, rod and cable track. Made entirely of malleable iron; no springs. Fitted with our patent deadlock. 25,000 of our Haying Machines in use, is the best guarantee that we build them right.
Write for catalogue of Carriers, Slings, Stacks etc.—and name of dealer near you who handles Buchanan's. M. T. Buchanan & Co., Ingersoll, Ont.

We also manufacture Steel Cow Stalls and Positive Lock Cow Stanchions.

STOP! LOOK! LISTEN!—Milk River Farm says: Buy the best 3 Holstein Cows, 2 Shorthorns, grades, in the County of Ontario at low prices, making up to 60 lbs. a day; one Pure Bred Holstein Bull three years old, also 3 Pure Bred Yorkshire White Sows 8 months old, bacon type. Seed Potatoes yielding up to 160 bags to the acre in 1914.
O.A.C. Barred Rock eggs for hatching, \$1.50 per fifteen. Write for prices and snap shots.
Hervey Smith, R.R. No. 2, Port Perry, Ont.
High Point, G.T.R., Myrtle Station, C.P.R.

Holsteins—This time I offer a beautiful bull rising 3 years of age, whose dam as a jr. 3-year-old produced 23 lbs. butter in 7 days and whose sire is a son of Francy 3rd, butter 29.16. This bull's dam is rising five years of age and gives great promise for a 30-lb. record with next calf, which will be in June, 1915. Her two records, 1st as a jr. 2-year-old 17.19 and as a jr. 3-year-old 23.32 stamp her as a sure 30-lb. cow. Have two great yearlings at \$100 each.
James A. Caskey, Madoc, Ontario

CLOVER BAR
Sires From R.O.P. and R.O.M. Dams
We have several choice ones, 2 to 10 months old, from the splendid sire Count Mercedes Ormsby (sired by Paladin Grimsby) all are out of R.O.M. and R.O.P. dams with records as 3-year-olds, 21.6 butter; 2-year-olds, 16.3 butter; mature cows 14091 with 661 lbs. butter. A couple of these sires fit for service, they are nice fellows, priced reasonably. Write, or come and see them.
P. Smith, R.R. No. 3, Stratford, Ontario

There is a vast difference between keeping Holsteins and just keeping cows. **ONE GOOD HOLSTEIN COW WILL DO THE WORK OF TWO or three ordinary cows.** You save in feed, housing, risk and labor. Holstein Cows milk longer, more per year, and more per life than any other breed. There's money for you in Holsteins.
W. A. CLEMONS
Vet's H-F Association, St. George, Ontario

The Maples Holstein Herd
Offers ready for service, sons of Prince Aaggie Wechbilde from R.O.P. and R.O.M. sisters and lam of Duchess Wayne Calamity 2nd, Canadian champion two-year-old for butter in R.O.P. 16714 lbs. milk, 546 lbs. butter. Write: Walburn Rivers, R.R. No. 5, Ingersoll, Ont.

Holsteins, Yorkshires and Cotswolds
R. Honey & Sons, R.R. No. 1, Dartford, Ont.
year-old dam and sire's four-year-old dam average milk 1 day 80 lbs., 30 days 2,144 lbs., 365 days 17,064 lbs. Also females all ages and other bulls of similar breeding. Write us.

Questions and Answers Miscellaneous

Oats—Pigs Cough.

1. A sold 300 bushels of oats to B in January, to be delivered at railway station last of February or first of March, at 50 cents per bushel. Is A compelled to give B the oats at 50 cents per bushel since they have advanced so much in price, there being no earnest money given to A? How long will A have to keep oats in March?

2. I have two pigs seven months old in good condition which have a choking or difficulty in breathing. They will wheeze, and then open their mouths to get breath, and will choke when eating. What will cure them, and is disease contagious?
ENQUIRER.

Ans.—1. If A considers his word worth anything he is duty bound to deliver the oats at the price. Perhaps B would allow a little extra if approached in the right spirit. A would have to deliver the oats any time up to the middle of March.

2. We do not think this contagious, and it is likely the pigs will get all right.

Apple Trees Spraying and Pruning.

1. Is the McIntosh Red apple as good as the Northern Spy, and will the trees come into bearing any sooner? I am advised by the nursery agent that they are better.

2. Would you advise a man with about two acres of orchard to buy a barrel sprayer, and what mixture is best for caterpillars, and when is the best time to spray; also, what mixture is best for the apple worm, and what different times do you spray for them?

3. I want to trim my apple trees in March, and as I have never trimmed any, could you advise how to do it?

4. Do you know any cure for cows with big knees? We have several just like a puff ball.
F. J. B.

Ans.—1. The McIntosh Red is a fall and early winter dessert apple; the Spy, a standard winter sort. Both are high-class in their place.

2. It would pay to get a sprayer. Methods of spraying will be outlined in our "Spray Calendar" in a few weeks.

3. Avoid cutting too many big limbs. Take out all dead stuff, all cross limbs, cut back if trees are high, and thin out the end branches. The idea is to let light into the tree, also a free circulation of air and to stimulate the branches left by cutting out others.

4. No. It is a stable injury quite common.

Sweet Clover, Rye, Salt, Etc.

1. Is white sweet clover as good a fertilizer as mammoth clover? Let me know what you think of it. Do you think it would be a profitable crop in this part of country?

2. What do you think of spring rye as feed, or would you sooner grow peas and oats mixed?

3. What do you think of salt for destroying weeds?

4. Did you ever have any experience or hear tell of necrotic spurge being destroyed?

5. If you were growing buckwheat, what variety would you sow?

6. What kind of corn would you recommend?

7. Which silo would you recommend, wood or cement?
E. B.

Ans.—1. Sweet clover (not White Dutch) gives a rank growth, and should be a good crop to turn under as a fertilizer. We are trying it at Weldwood, and so far have had fair success as a feed crop, but we will have more definite information after another crop has been taken.

2. We would prefer peas and oats mixed.

3. It is all right on small patches.

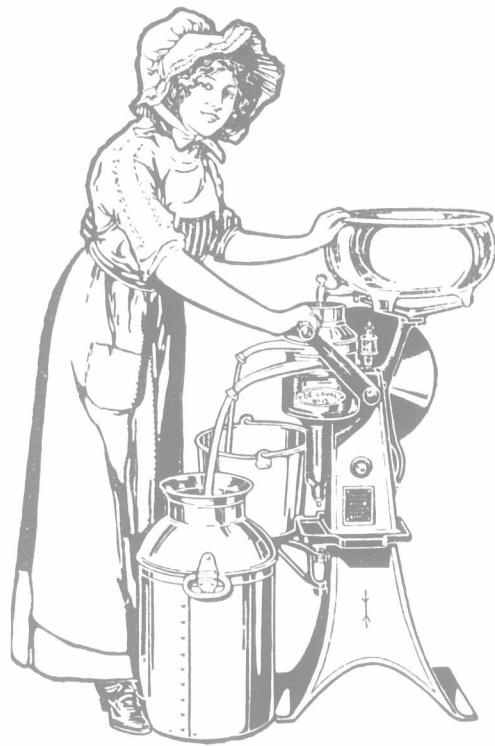
4. Of course, enough salt to kill weeds, destroys all other vegetation as well.

5. Have had no experience with this weed.

6. Silver Hull, Japanese or Rye Buckwheat. Any of the three is good.

7. In Dents; Bailey, Wisconsin No. 7, White Cap, Leaning. In flints: Long-fellow, Compton's early.

Generally cement. Of course, some of the manufactured silos are sometimes considered preferable.



730 times every year you use a Cream Separator

NO other machine or implement used on the farm receives anywhere near such constant use, nor is there any other farm machine or equipment with which quality of work means so much and first cost means so little.

If the separator runs hard, gets out of order or isn't easy to wash, it's a constant bother, and it only takes a very little loss of cream at each separation, when multiplied 730 times, to run into a good deal of money, very soon more than the original cost of the machine. But no matter how small the loss, it is too big a handicap for any cow owner to try to work with.

As a matter of fact, the men who know most about cream separators, the creamerymen, long ago came to the conclusion that the De Laval was the only machine they could afford to use. That's why 98% of the cream separators used in creameries and milk plants the world over are De Laval.

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No matter where you go you will find the biggest and best dairymen almost invariably are De Laval users. Experience has taught them that it is the best and most economical cream separator.

You don't have to experiment with cream separators any more, because the men who are best able to judge as to the merits of the cream separator have already done that for you, and the result of their conclusion is evidenced by the practically exclusive use of the De Laval in creameries and milk plants, and the fact that over 1,750,000 farm and dairy size De Laval—more than all other makes combined—are in daily use.

The nearest De Laval agent will be glad to set up a machine for you and arrange for payment of same as is most convenient. If you don't know the local De Laval agent, simply address the nearest main office as given below.

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MONTREAL PETERBORO WINNIPEG VANCOUVER
50,000 Branches and Local Agencies the World Over

IMPERIAL HOLSTEINS

We bred the sire and grand dam of the World's champion in public test. Do you want some of this blood in your herd, combined with that of Valdesa Scott 2nd World's greatest cow, and Princess Johanna Rue, dam of a 33.62 lb. cow and sister to the youngest cow in the world to make 35 lbs butter in 7 days. Bulls for sale only.
W. H. Simmons, New Durham, Ontario