



PREVENT BLACKLEG LOSSES
by using
Scientifically Prepared Vaccines

Blackleg Vaccine (Blacklegoids)

The reliable blackleg vaccine
in pill form.

Blackleg Aggressin

(GERM-FREE BLACKLEG VACCINE)

A natural aggressin.

Blackleg Filtrate

(GERM-FREE BLACKLEG VACCINE)

An aggressin made from cultures.

WRITE FOR FREE INSTRUCTIVE BOOKLETS ON
BLACKLEG AND ITS PREVENTION.

Animal Industry Department of

PARKE, DAVIS & CO.

WALKERVILLE, ONT.



COLIC

International Colic Remedy should be in every farmer's stable. Guaranteed to cure in ten minutes. Thousands of testimonials from people who have used it successfully. Colic kills more horses than all other diseases combined. A bottle of our Colic Remedy on hand is the cheapest insurance you can buy. \$1.00 in regular drenching bottle, ready for instant use, from your dealer.

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Cream Wanted

Ship your cream to us. We
pay all express charges.
We supply cans. We re-
mit daily. We guarantee
highest market price.

ONTARIO CREAMERIES
Limited
LONDON ONTARIO

ALLOWAY LODGE STOCK FARM

Angus--Southdowns--Collies

Recent addition of Imp. Idealist of Maisemore as
junior herd sire. Yearling rams and ewes,
all of superior merit, priced to sell.
No Collies at present.

ROBT. McEWEN, R. R. 4, London, Ont.

20,000 lb.—Holstein Bulls—20,000 lb.

Write us for extended pedigrees and full particulars of 1920 bulls whose dam and sire's dam average over 20,000 lbs. milk and 850 lbs. butter in R.O.P. R. HONEY & SONS, Dartford, Ont.

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Pamphlets sent free on application.

RIDOUT & MAYBEE
156 Yonge Street Toronto, Ontario

pup fled in yelping precipitation while the man stooped and with tender pats and caresses sought to make amends to helpless age.

A kindly smile of amusement lit up mother's face: "After all his brave words," she murmured.

In a little while dad strode in, stood the gun in a corner and sank into a chair. There came a scratching and a whine at the door and he looked up to meet mother's questioning eyes fixed upon him: Blame the luck, Mother! he blurted out, the old beggar wouldn't stand still an'—an' I missed.

York County, Ont. HIRED MAN.

Questions and Answers. Miscellaneous.

Sweet Clover.

Will sweet clover seed from the first crop?
J. J. R.

Ans.—Sweet clover will not seed the same season it is sown, but the following season seed will form on the first growth, or the first crop may be cut for hay and the second crop allowed to mature for seed.

Hens Dying.

A number of my hens are dying. On opening them I find the liver very soft. They are well fed and looked after. What is the trouble?
C. H.

Ans.—From the symptoms given it is rather difficult to diagnose the case. Quite a number of birds are lost from tuberculosis, the symptoms of which are: going light in weight, having an anaemic appearance, and usually lameness. On examining the liver of an affected bird, white, cheesy spots, varying in size, will be found. Nothing can be done for this trouble and every care should be taken to prevent healthy birds from becoming infected.

Learning to Be an Engineer.

Is it possible to become an engineer on a steam engine by studying at home? What books would be required? What length of time would be required before receiving a certificate?
D. Y.

Ans.—A person might take a correspondence course and acquire a good deal of information. The school which you took the work from would advise on the books needed. The length of time required to get a certificate would depend upon the adaptability of the student to the work. Along with the theoretical in engineering, a person required a good deal of the practical in order to become efficient.

Acreage in Grain.

According to figures issued by the Dominion Bureau of Statistics, the total area estimated to be sown to wheat in Canada for 1920 is 16,921,000 acres, or a decrease of 2,205,000 acres as compared with 1919. The area sown to oats shows an increase of 235,000 acres; barley, rye, peas, and mixed grains all show a slight decrease. Over a large portion of the Dominion the condition of the crops at the end of May was reported to be equal to or slightly better than the crops at the same time last year.

Ayrshire Herd Book.

The Canadian Ayrshire Breeders' Association, organized in 1870, have recently issued Volume 19 of their Herd Book. This contains pedigrees numbering from 61996 to 67020. Besides the pedigrees, it contains a good deal of information which should be of interest and value to all Ayrshire breeders. The constitution and by-laws are given, together with the report of the last annual meeting, printed in both English and French.

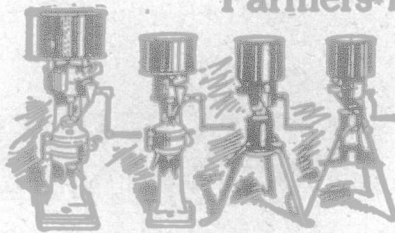
Volume Five of Angus Herd Book.

Volume 5 of the Canadian Aberdeen-Angus Herd Book is off the press. It is a neatly bound volume of 700 pages, containing pedigrees of bulls and cows from 13601 to 20869. A full list of members is given, the rules of entry, together with the constitution and by-laws. Every Angus breeder should have a copy of this Herd Book for reference.

MELOTTE

Cream Separator

There is only one "Melotte"—The "Melotte" that we have been selling to Canadian Farmers for 25 years.



FOUR MODELS—18 SIZES

Skims Cleanest

Turns Easiest

Lasts Longest

Everybody Knows It.

The Cream Separator with the Suspended Bowl

Think of it! A bowl hanging naturally on a ball-bearing spindle—a real self-balancing bowl.

Large stocks of the "Original Melotte" just received from England. Order now from nearest local agent.

R.A. LISTER & CO (CANADA) LIMITED
TORONTO & WINNIPEG

Hamilton House Holstein Sires

Our young bulls of serviceable age have all been sold but we have a number of the best young calves we have ever bred. All are from dams with good combination records for both milk and butter. Several are up to 700 lbs. of milk and 31 lbs. of butter for 7 days. If you are interested in a good calf, write or see them now—they can be purchased at considerably less than we will be pricing them next winter.

D. B. TRACY - (All Railways) - **COBOURG, ONT.**
Bell Phone

Hospital for the Insane, Hamilton, Ont.

HOLSTEIN BULLS ONLY FOR SALE

Senior sire is from one of the best sons of King Segis Alcartra Spofford. Junior is grandson of the noted May Echo Sylvia, by Champion Echo Sylvia Pontiac.

Write to the Superintendent for prices, etc.

Raymondale Holstein-Friesians

A herd sire of our breeding will improve your herd. We have sons of our present sire, Pontiac Korndyke of Het Loo (sire of \$12,750 Het Loo Pieterje), and also sons of our former sire, Avondale Pontiac Echo. Several of these are of serviceable age, and all are from good record dams. Quality considered, our prices are lower than anywhere else on the continent. Their youngsters should not remain long. Write to-day.

RAYMONDALE FARM, Vaudreuil, Que. **D. RAYMOND, Owner, Queen's Hotel, Montreal**

"Premier" Holstein Bulls Ready for Service—I have several young bulls from dams with 7-day records up to 32.86 lbs. of butter, 755.9 lbs. of milk, with 110 lbs. of milk in one day—over 3,000 lbs. in 30 days. All are sired by present herd sire, which is a brother to May Echo Sylvia. Step lively if you want these calves.

H. H. BAILEY, Oak Park Farm, PARIS, ONT.

Evergreen Stock Farm Registered Holsteins

Our motto: Choice individuals—the profitable producing kind. Nothing for sale now, but get in line early for your next herd sire.

A. E. HULET, Oxford Co., G.T.R. NORWICH, ONTARIO

HOLSTEINS—For the next thirty days I am offering bull calves from 2 to 4 months old, at reasonable prices. Sons and grandsons of Mercena Calamity Posch, and sired by Hill-Crest Rauwerd Vale. Come and see them, or write.

W. FRED. FALLIS, R.R. 3, Millbrook, Ontario

High-Testing Holsteins—Present offering: Three young bulls, 10 months old; all splendid individuals, out of high-producing dams, backed by noted blood and big this herd for several seasons, and his get, both heifers and bulls, are exceptionally promising individuals. It will pay you to inspect these youngsters before buying.

L. C. SNOWDEN, R.R. 3, Bowmanville, Ont.

HOLSTEIN BULLS FROM 30-lb. DAMS

If you want 30-lb. bulls—good individuals—and priced right—you should see my present offering. I also have lower priced bulls, and am offering females bred to Ormsby Jane Burke. Correspondence solicited.

R. M. HOLTBY, Manchester G.T.R., Myrtle C.P.R., PORT PERRY, ONT.

Cloverlea Dairy Farms—Herd headed by King Pontiac Rauwerd, who combine the blood of Canada's greatest sires and dams. His offspring are a choice lot. We have stock for sale, both male and female, 75 head to choose from. Consult us before buying elsewhere. Could book a few more cows for service to "King."

GRIESBACH BROS., L.-D. 'phone, Collingwood, Ont.

Two Young Holstein Herd Sires—I have only two young bulls of serviceable age left—both are sired by Lyons Hengerveld Champion, whose dam is the 25.83-lb. junior 3-year-old daughter of Baroness Madoline, 34.48 lbs. Both calves are 12-month youngsters, one from a full sister of a 29.95-lb. cow, and the other is from an untested daughter of Baron Colantha Payne. They are priced to sell.

T. W. McQUEEN (Oxford Co.) Tillsonburg, Ont.

Glenhurst Ayrshires—headed by Mansfield Mains Sir Douglas Hague, No. 16163 Imp.—have been noted for their depth and size, good teats and smoothness of conformation. If you are looking for a combination of size, type and production—plus high butterfat—write me or visit the farm. Males and females of all ages for sale.

James Begning, Summertown Sta., G.T.R. Williamstown, C.P.R. Bell Telephone 78-3 Cornwall