

Let Him Alone

Perhaps some maker or agent of common cream separators is trying to sell you a disk filled or other complicated machine by claiming it is simplest, most efficient, or most



62 disks from one common separator exchanged for Dairy Tubular. The maker calls it simple and easy to clean

durable. Ask him why he makes such claims when everybody knows that Sharples Dairy Tubular Cream Separators

use neither disks nor other contraptions, yet produce twice the skimming force, skim faster, skim twice as clean, wash easier and wear longer than common machines. If he tries to dispute these facts, ask him to go with you to the nearest Tubular agent and disprove them. If he refuses to go, just let him alone—his machine is not the kind you want.

Tubulars are The World's Best. Sales easily exceed most, if not all, others combined. Probably replace more common separators than any one maker of such machines sells. The manufacture of Tubulars is one of Canada's leading industries. Write for Catalogue No. 193

THE SHARPLES SEPARATOR CO.
TORONTO, ONT. WINNIPEG, MAN.

Cattle Feed!

Have you ever fed
**BRANTFORD
GLUTEN FEED**

To your milking cows?

Note the guaranteed analysis:

Minimum Protein15%
Minimum Fat10%
Maximum Fibre7%

No feed on the market so economical.
Write for prices, which vary with the corn market.

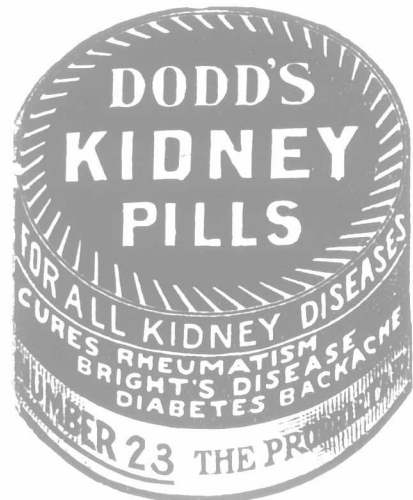
**THE BRANTFORD STARCH
WORKS, LIMITED,**
BRANTFORD, ONTARIO

Fairmount Holsteins

Headed by Aaggie Grace Cornucopia Lad, whose dams for four generations have records that average 21.30 lbs. For sale are two young sons of his, cows and heifers freshened to him. C.R. Gies, Heidelberg P. O., St. Jacob's Sta.

Ridgedale Holsteins—I have left three bull calves that will be priced right for quick sale; their dams are heavy producers, and their sire was bred right.
R. W. WALKER, Utica, Ont. Phone connection.

A man named Stone and one named Wood met on the street recently, and they stopped for a moment to exchange a few cheerful notices, when a woman in a particularly noticeable sheath-gown passed. Simultaneously, Wood turned to Stone; Stone turned to Wood; then both turned to rubber.



QUESTIONS AND ANSWERS. Miscellaneous.

ENGINEERING IN THE WEST.

Has there been a law passed lately prohibiting a person running an engine in the West without an engineer's certificate? Could I study at home so as to be able to write on an engineer's exam? If so, where could I get the books? Where would I have to go to write on this exam., and how much would it cost?
YOUNG ENGINEER.

Ans.—This matter is under Provincial jurisdiction. Alberta and Saskatchewan, we believe, both stipulate that before a man may run a steam engine within their precincts, he must have a Government certificate. Regarding the conditions on which certificates are issued in the latter Province, we append an official statement we have on file from the Deputy Commissioner of Public Works at Regina:

"With reference to the provisions of the Steam Boilers Act in Saskatchewan, I have to say that a Provincial Certificate, qualifying the holder to operate boilers up to 40 h.p. for a period of one year, can be granted upon receipt of satisfactory proof that the applicant has served one year, or three threshing seasons, operating boilers. A form of application for this grade of certificate is supplied by this Department upon request. Applicants who have not had this experience, are required to serve three seasons firing under a qualified engineer, and upon completion of this term to pass an oral examination before an Inspector of Steam Boilers. For the higher grades of certificates, a written examination is necessary, previous to taking which, the applicant must file proof of considerable engineering experience in the operation of boilers. The fees in this connection are: For Provisionals, \$3; for third- or second-class, \$5; for a first-class, \$10. The examinations are most conveniently taken at this Department, and the certificates issued by us are good only for the Province of Saskatchewan."

GROUND-HOGS.

Can you give me a sure way of destroying ground-hogs? Trapping is very uncertain. Smoking them out seems a failure altogether, and digging them out makes quite a waste in a field of clover, if there be a number of holes. A. W.

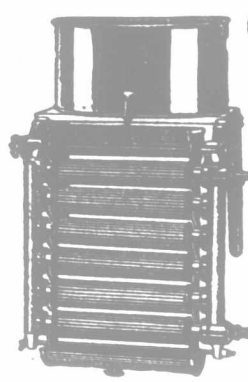
Give best way you recommend for the destruction of ground-hogs?
G. H. P.

Ans.—Poisoning, by placing in the burrows cloths dipped in carbon bisulphide, an inflammable, poisonous liquid, which volatilizes readily, forming a vapor which is heavier than the air, and hence sinks to the bottom of the burrow, killing the ground-hogs, is a remedy which has been often recommended in these columns, and is effective.

This liquid can be purchased at any druggist's at about 5 cents an ounce—cheaper in large quantities, and an ounce is quite sufficient for one hole or nest.

Spot out the holes which you know to be habited, and then, about sundown, with bottle and bits of old wooden rags or waste of any kind, go the round and doctor each one. Roll up a little piece of rag about the size of a hen's egg, not too tight, and saturate this from the bottle, pouring on until the rag has all it will hold. Then reach down the hole as far as you can and deposit it there, after which cover up the entrance with sods or loose earth, and tramp solid, being careful not to allow the earth to roll down and cover up the rag, else this might stop the volatilization of the liquid into the deadly gas which suffocates the animal. This gas is heavier than air, so penetrates to the bottom of the hole, and kills all living things. Covering the hole is probably unnecessary, as the gas, being heavier than air, would go down and exclude the air, but when you cover the end of the hole, or holes, as the case may be, you can see, if you go back, whether the ground-hog has dug out or not. If not so, in a day or two, you may conclude he has been dispatched.

This method is much ahead of traps or shooting, as it takes very little time, and is quite inexpensive. When you have administered the dose and covered the hole, the ground-hog is dead and buried in the grave he dug himself.



The Secret of Pure Sweet Milk

You dairy-farmers can't afford to ship impure, germ-laden milk into the towns and cities. Our medical authorities are urging the Government to penalize offending dairymen very severely—don't you run any risks. If you pass all your milk through the Root Cooler-Aerator immediately it leaves the cow, you can guarantee it pure and sweet and get a bigger price for it per gallon. The

Root SANITARY MILK Cooler-Aerator

will keep the milk sweet for 48 hours because it kills the animal heat quickly and cools the milk to the same temperature as cold running water. The water is admitted at the bottom, flows through the bottom tube, then from the water column into the second tube and so on until it reaches the top. The cylinders are kept perfectly cold all the time, and as they are deeply corrugated the milk flows down them slowly, reaching the retaining pan thoroughly cooled and aerated. Cylinders are made of heavy copper, heavily coated with pure tin and guaranteed to stand heavy water pressure. Perfectly simple to operate—no complicated parts—a child can easily clean the whole machine in 5 minutes. Made in various sizes—will cool from 40 to 55 gallons an hour. Write us today for catalogue and prices—every dairyman should have a Root Cooler—it's a big money maker. Address:

W. A. Drummond & Co., 175 King St. East, Toronto

WOODBINE FARM HOLSTEINS

Offers a number of fine bulls and bull calves, sired by Sir Creamelle, who is a direct descendant in two different lines of the great cow, Duchess Ormsby, 24.44 lbs. butter in 7 days, dam of five daughters with records that average 20 lbs. of butter in 7 days, the greatest producing family of the breed. Write for prices. Telephone connection. Shipping stations: Ayr, C. P. R.; Paris, G. T. R. A. KENNEDY, AYR, ONTARIO

CENTRE AND HILLVIEW Holsteins

140 head, 45 females, 12 O. M. Herd headed by Brookbank Butter Baron, Bonheur Statesman and Sir Sadie Cornucopia Clothilde. The average of dam, sire's dam and grandam is: milk in 7 days, 662.86 lbs.; butter in 7 days, 30.58 lbs. We have bulls born Mar., '09, to two weeks old for sale, from Record-of-Merit dams. Long-distance telephone P. D. Ede, Oxford Centre, Ont. Woodstock Sta.

LAKEVIEW HOLSTEINS!

Herd headed by Count Hengerveld Fayne De Kol, whose sire, Pietertje Hengerveld Count De Kol, is the sire of De Kol Creamelle, the world's champion milk cow, with 119 lbs. milk in 1 day, 780 lbs. in 7 days, 10,017 lbs. in 100 days. He has five daughters that average 30 lbs. in 7 days, and 120 lbs. in 30 days. His dam, Grace Fayne 2nd, 26.30 lbs. in 7 days, is dam of Grace Fayne 2nd's Homestead with the following records:

7 days, 4 years old,	29.16 lbs.	% fat 4.12	Bull
30 "	4 "	119.22 "	" "
7 "	5 "	30.55 "	% "
7 "	6 "	35.55 "	% "

The Maples Holstein Herd

of Record-of-Merit cows, headed by King Posch De Kol. Nothing for sale at present except choice bull calves from Record-of-Merit cows. Also one or two good cows.

WALBURN RIVERS, FOLDEN'S, ONTARIO

Elmwood Holsteins—Choice-bred calves for sale at April and May delivery. Sired by imported Ykema Sir Posch and Pontiac Sarcasie, a grandson of Sarcasie Lad. Registered. Delivered. Express paid. Safe delivery guaranteed. E. D. GEORGE & SONS, PUTNAM, ONT.

Burnside Ayrshires

Having disposed of my 1909 importation, I intend leaving about March 1st for another lot. I expect to have a number of bulls through quarantine by first week of June. Orders entrusted to me will be carefully attended. We have a few young bulls fit for service on hand of choice breeding, and females of all ages. Phone, etc.

R. R. Ness, Burnside Stock Farm, Howick, Que.

Ayrshires—Four young bulls, all bred on dairy lines, out of famous dams; fashionable in color, as well as in breeding. Will be sold worth the money. Females all ages.

N. DYMENT, Clappison's Corners, Ont.

Stonehouse Ayrshires

all ages. Am now booking orders for bull calves. Hector Gordon, Howick, Quebec

CRAIGALE AYRSHIRES.

Present offering: One Bull, 14 months old, unbeaten at Fairs last fall; also 3, under 6 months, all from Record of Performance cows, true to type, with good teats; also a few heifers.
H. C. HAMILL, Box Grove P. O., Markham, G. T. R. Locust Hill, C. P. R. Bell phone connection from Markham.

Ayrshires and Yorkshires!

We still have a few choice individuals of almost any age on hand in Ayrshires, and are always ready to price any. Other breeders in this section. Bull calves from Record of Performance cows. A few young Yorkshires on hand. Long-distance phone.

ALEX. HUME & CO., MENIE, ONT.

Shannon Bank Ayrshires and Yorkshires. Am now offering young bulls and heifers, true to type and high in quality. Young Yorkshires of both sexes.

W. H. Tran & Son, Locust Hill P. O. & Sta., Ont.

ISALEIGH GRANGE AYRSHIRES!

Our herd were all selected on their ability to produce a heavy yield of milk. We have a number of 40, 45 and 50 lb. cows, imported and Canadian-bred. From them are young bulls and heifers for sale. None better. JAMES BODEN, DANVILLE, QUEBEC, ISALEIGH GRANGE FARM.

HOMWOOD HOLSTEINS, headed

by Grace Fayne 2nd's Sir Colantha, one of the richest bred bulls of the day. (The home of Lady Aaggie De Kol, sweepstake cow at Guelph Winter Fair, '08-'09.) Official record 27 1/4 lbs. of butter in 7 days. Also Queen's Butter Baroness, champion 3-year-old of Canada; official record 23.66 lbs. of butter in 7 days; and several others with records of over 20 lbs. of butter in 7 days. Only a few choice bull calves for sale. M. L. & M. H. Haley, Springfield, Ont.

Holstein - Friesians

FAIRVIEW FARM offers young bulls, sired by Pontiac Korndyke and Rag Apple Korndyke, without question the two greatest Korndyke bulls in the world, and out of cows with large A. R. O. records and testing 4% fat. Come and see them, or write.

E. H. DOLLAR, Heuvelton, N. Y.
Near Prescott.

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