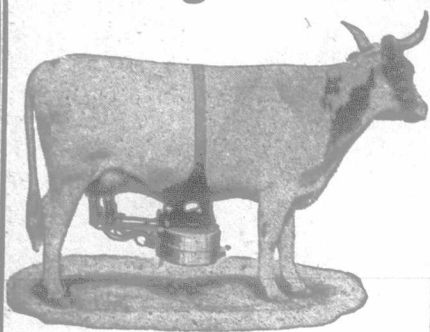


THE OMEGA Milking Machine



has been installed in the private dairy of H. M. King George V. at Windsor Castle and also at His Majesty's private estate at Sandringham. The OMEGA in a 17-day test on ten cows (against 17 previous days) at the O. A. C., Guelph, increased the milk flow 206 lbs. or 3 per cent.

Cleanly and Efficient

The OMEGA is the only machine that draws the milk from the teats through stiff transparent celluloid tubes to the pail which is suspended from the cow. (See cut.) The pail cannot be kicked over and the teat-cups cannot fall to the floor and suck up straw or manure. There are no rubber tubes in the OMEGA to crack and harbor germs. The OMEGA is simple in design and easily cleaned.

Write to-day

for free booklet describing the many exclusive and desirable features of the OMEGA.

C. RICHARDSON & CO.,
St. Mary's, Ontario

CREAM Wanted

Our markets have advanced. We are paying according to quality from 42 to 46c. per lb. fat.

Net to Shippers. Cans supplied.
A line will bring you particulars.

Toronto Creamery Co., Ltd.
9-11 Church Street, Toronto

CREAM

Where are you shipping now?
And what are you getting for your cream?

We want more individual shippers and more men to gather cream for us.

Write for our proposition.

Silverwoods Limited
LONDON, ONTARIO

Lakeside Ayrshires

A few young bulls for sale from Record of Performance dams, imported and Canadian-bred, sired by Auchinbrain Sea Foam (imp.) 35758, grand champion at both Quebec and Sherbrooke. Write for catalogue.

GEO. H. MONTGOMERY, Proprietor
Dominion Express Bldg., Montreal, Que.
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DUNGANNON FARM

Offers two ten-months-old Ayrshire bulls by Humeshaugh Prince Fortune and others younger. Write at once. Bred-to-lay White Leghorn cockerels. **DUNGANNON FARM, Cobourg, Ont.**

Glencairn Ayrshires
Herd established 40 years. Producing ability from 8,600 to 11,022 lbs. If that sort of production appeals to you, we have heifers all ages and young bulls for sale. **Thos. J. McCormick, Rockton, Ont. Copetown Sta., G.T.R.**

JERSEY BULLS. For sale—Knoolwood's Raleigh, sire Fairy Glen's Raleigh (imp.), 22 daughters R.O.P.; dam Eminent Honeymoon (imp.) R.O.P. 596 lbs. butter; reserve champion on island. Capt. Raleigh ready for service, sire Knoolwood's Raleigh, dam Mabel's Post Snowdrop; first as calf, 1914, first Junior Champion, 1915, 2nd 1916, Toronto. Milked 38 lbs. day, 6 per cent. milk, first calf. **Ira Nichols, Burgessville, Ont. R.R. No. 2.**

Please mention "The Advocate."

Questions and Answers.

Miscellaneous.

Nuisance—Words Causing Damage.

A rents a farm to B, and B's son rents a farm from C. A beast dies on C's farm and B's son hauls it onto A's farm, and dumps it over a bank near a spring. Can A make B's son remove the beast off his farm, or what can he do?

2. A has another farm rented, and B is trying to injure the farm by making false statements about the farm. Can A take any legal steps against B?

Ans.—1. A is probably not in a position to compel B's son to remove the carcass; but it would be quite proper for A to notify B, his tenant, to do so. He ought certainly to bring the matter to the attention of the Local Medical Health Officer, and this course would probably prove to be the more effective.

2. Yes. If A can prove that B's statements are really untrue, that they are being made without just cause or excuse, and that he, A, has suffered special damage thereby, he can bring an action against B for damages.

Mange.

I have an English bulldog that has been troubled with mange for over a year. The hair comes out in spots and little red pimples are to be seen. What treatment do you advise?

C. F.

Ans.—There are several forms of mange, but none of them show any tendency to spontaneous recovery. The predominant object in treatment is a destruction of the parasite, therefore it will be necessary that several treatments be given at intervals of two or three days for possibly two weeks, in order to cover the period of incubation of the eggs. Before applying the dressing, the hair should be clipped and the skin washed with soap and water. It may be necessary to apply a scrubbing brush in order to remove the scurf. A sulphur ointment consisting of one part sulphur to three parts lard sometimes proves effective; one part creosote, twenty parts linseed oil and thirty parts soap solution is another remedy which is recommended. Two parts kerosene, one part linseed oil, two parts soap solution, is also applied, or, one-half ounce of carbolic acid one ounce oil of turpentine, one and one-half ounces of oil of tar, two ounces of sulphur and linseed oil to make one pint, has proved effective. If one of these remedies does not destroy the mange try one of the others, as what will remedy one kind of mange will not work on another.

Water Power.

I have a stream 15 feet wide and nowhere less than 6 inches deep, across which there is a 4½-foot dam. This supplies water to a hydraulic ram for house and barn use.

1. Is there enough power in the fall to run a turbine connected with a 110-volt dynamo?

2. Would a nine-inch turbine be sufficient?

M. W.

Ans.—1. Yes, but probably an overshoot wheel would be more suitable to this power.

2. No. Turbines are not made in such small sizes. Apparently M. W. is thinking of impulse wheels instead of turbines. The impulse wheel is used where there is a high head available. The water is brought down from the high level through a pipe, and spurts out of a nozzle against cups on the wheel, thus the wheel is driven by the impulse of the water. The wheel itself stands above the tail-race, that is, where the waste water flows away. The turbine, however, is used for lower heads, and is placed down in a penstock and the water flows down through the turbine and out into the tail-race. M. W., while stating the width and depth of water in the stream, does not state how fast it flows, and, consequently, it is impossible to tell how much power could be developed from this stream with 4½ feet of head. He might have difficulty in getting a wheel of the proper dimensions for so small a head, but possibly he could raise the dam to, say, 6 feet. "Fitz" water wheels are made for a head as low as 6 feet. They are made in Hanover, Penn.

W. H. D.

Ayrshire Sires

For Grade Herds

THOUSANDS of our grade herds over Canada could be made much more profitable by the use of good sires—sires that come from blood of high fat test and large total production. The dairy branch has shown where this has been done in hundreds of cases over the Province. Is your herd among these?

½% INCREASE IN BUTTER-FAT WOULD MEAN—

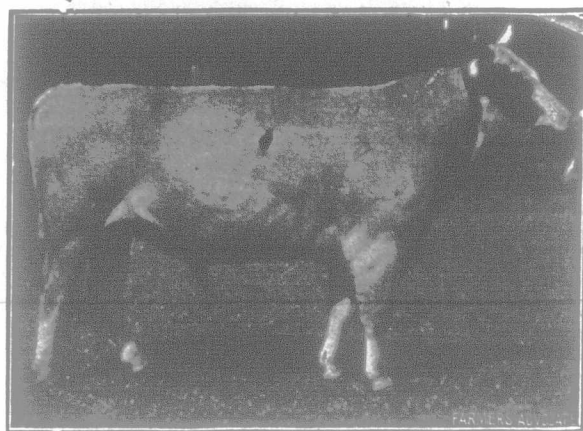
Suppose we figure it out. Say that you have 12 cows (about the average for Ontario) each giving an average of 6,000 lbs. of milk in a year.

It would mean—

30 lbs. more butter-fat per cow, worth \$12.00.

360 lbs. more butter-fat for your herd, worth \$288.00.

And this without increasing your labor or feed cost in the least.



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The Canadian Ayrshire Breeders' Association
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You Can Accomplish This In Your Grade Herd

by using a good Ayrshire sire. Ayrshire bulls are known for their prepotency and easy feeding. They come of naturally high-testing blood—handy, thrifty and specially suited to average farm conditions.

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GLADDEN HILL AYRSHIRES

Two yearling bulls; one's dam has a 4-yr.-old record of 8,971 lbs. milk, 3.94% fat. Her dam is Briery of Springbank and is a half sister to Briery 2nd. One won 3rd at Toronto; his dam has a record of 10,000 lbs., testing over 4%. Also bull calves for sale and a few females. Prices reasonable.

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THE CITY VIEW HERD OF PRODUCING AYRSHIRES

We have three good young bulls fit for service, from Record of Performance cows and sired by bulls from R.O.P. dams; also pure-bred Berkshire pigs ready to wean, for quick sale.

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R. R. 1, St. Thomas, Ont.

CANADA'S OLDEST JERSEY HERD

Has for sale several exceptionally choice young bulls of serviceable age, bred on both sides with official and high producing blood. Also yearling heifers and heifer calves.

D. DUNCAN & SON,

TODMORDEN, R. M. D.,

Duncan Sta., C. N. O.

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For the next fortnight we are making a special offering on young bulls, bred from the highest producing families ever introduced into Canada. Brampton Jerseys and their descendants hold all Jersey R.O.P. records save one. Females, all ages, also for sale. **B. H. BULL & SON, Brampton, Ont.**

THE WOODVIEW FARM JERSEYS
LONDON, ONTARIO
Jno. Pringle, Prop.

Canada's Most Beautiful Jersey Herd
Present Offering—Some high-class bull calves ready for service, from Record of Performance dams, including grand champion bull at last Western Fair and his full brother; also cows and heifers. State distinctly what is wanted, if writing. We work our show cows and show our work cows.

BLAIRGOWRIE SHOPSHIRES AND SHORTHORNS

PRESENT OFFERING:
100 Imported Shearling Rams
25 Imported Shearling Rams
75 Canadian-bred Shearling Ewes
75 Canadian-bred Shearling Rams
20 Cows and Heifers in Calf
5 Bulls of serviceable age
JOHN MILLER, Ashburn, Ont.
Myrtle Sta., C. P. R. & G. T. R.

When writing please mention Advocate