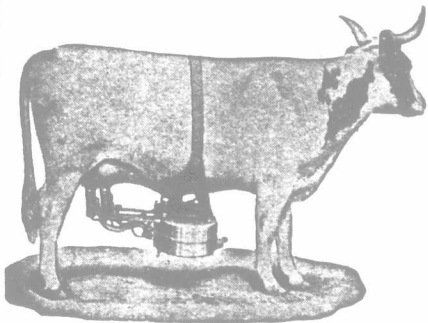


OMEGA Milking Machines



Care of Milking Machines

Excerpts from an article in the "Implement News":

"One of the most important needs of users of milking machines is that of quick cleaning. It should be done properly at the proper time. The machines should never be allowed to stand until the casein hardens on the rubber tubes or cups."

Omega has NO RUBBER TUBES

Short transparent celluloid tubes take the place of long rubber ones. They do not decay or harbor germs, and are easily and quickly cleaned. This is an exclusive OMEGA feature; another is that the pail and milking parts are suspended from the cow's back, and the teat-cups cannot fall to the floor and such up filth.

WRITE TO-DAY

for illustrated booklet describing the many exclusive features of the OMEGA.

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

LIVINGSTON BRAND

The purest and best

OIL CAKE MEAL

THE DOMINION LINSEED OIL CO., Ltd.
Manufacturers, Baden, Ont.

CRAIGIELEA FARM

The home of high-quality Ayrshires. Look up our records in public dairy tests and R. O. P., made under normal conditions. A few young bulls and females up to a carload.

H. C. HAMILL, R. K. No. 1, Markham, G. T. R. Station
Locust Hill, C. P. R. Home phone. Bell connection at Markham.

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.
O. McArthur, Manager, Phillipsburg, Quebec

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 Stn., G. T. R.

Dungannon Farm Ayrshires Offers two eleven-months-old bulls by Humesbaugh Prince Fortune, and from good dams. Also younger stock.

W. H. FURBER, Mgr., R. R. 6, Cobourg, Ont.

JERSEY BULLS For Sale—Knoolwood's Raleigh, sire Fairy Glen's Raleigh (imp.), 22 daughters R. O. P.; dam Eminent Honeycomb (imp.) R. O. P. 996 lbs. butter; reserve champion on island. Capt. Raleigh ready for service. 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.

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HIDES, SKINS, HORSEHAIR,
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Live-stock Labels for
cattle, sheep and
hogs, manufactured
by the Ketchum
Manufacturing Co.
Box 501, Ottawa, Ont. Write for samples and prices

WILLOWBANK DORSETS
Amongst our ram lambs is the 1st prize ram lamb
at Guelph, 1916, a very fine animal. Also a few
other lambs bred from imported sire and dams.
Jas. Robertson & Sons, Hornby, Ont.

Questions and Answers. Miscellaneous.

Summer Pasture.

I purpose sowing ten acres for summer pasture with one bushel each of wheat, oats and barley. Will fall wheat be suitable, or must I get spring wheat? Is it necessary to sow clover with it? This is the last year of my lease, and I do not wish to sow clover unless I get benefit therefrom this year.

R. C. Y.

Ans.—We understand that fall wheat is quite suitable. It is not absolutely necessary to sow the clover, as the grains will furnish the bulk of the pasture this year.

Remodelling Barn.

We purpose raising our barn in the spring and would like to get a plan for the cellar. We have a 50-acre farm. The barn is 47 by 48 feet, including the shed. We want room for 5 horses, 10 cows, box stalls for pigs and sheep, a root cellar and harness-room.

S. R. W.

Ans.—In a future issue we purpose publishing a number of barn plans which may give you an idea which will work out satisfactorily in your case. Owing to a large number of our subscribers desiring plans of buildings, no two of which are of the same dimensions, we are unable to comply with their wishes, but we publish general plans which may suggest ideas. A practically square cellar is more difficult to lay out conveniently than a longer cellar. The horse stable will require at least 23 by 25 feet for passageway, feed alley, mangers and stalls. This is allowing 5 feet in width for each stall. This leaves practically 22 feet on the end of the stable, which is wide enough for a row of cows. Consequently it might be economy of space to stable the cows along one end. Cow stalls should be about 3½ feet wide. A small space could be secured at the end next the horses for a harness-room. In this case it would be well to have the cows facing the centre of the stable. Three box stalls of fair size could be placed along the side opposite the horses, and between the horse feed passage and the box stalls there would be room for two small pens which would do for the hogs. This leaves a space practically in the centre of the cellar for roots and feed alley.

Rations for Cows and Steers.

1. Our cattle are getting cut oat straw and mixed hay, with a few pulped turnips mixed with the cut feed and dampened with water. Long hay is also fed. With oats at \$1.80 per cwt.; corn, \$2.15; shorts, \$1.95; bran, \$1.75; oil-cake, \$2.80, suggest a mixture to give best results for milk cows, also for finishing yearling steers weighing about 800 lbs. each.

2. Grade Shorthorn heifer, 31 months old, freshened Jan. 11 and is now giving 25 pounds of milk per day. Is this a fair amount for a heifer? When should she freshen again to make the best cow?

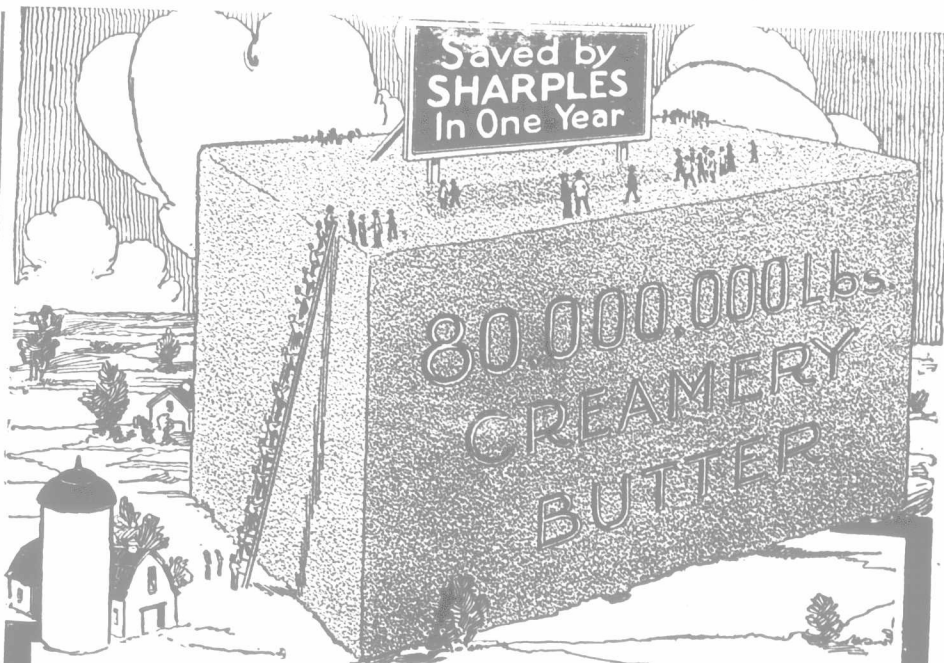
3. Horse weighing 1,500 lbs. is given a mixture of one-quarter oat sheaf and three-quarters mixed hay. Suggest a mixture of the grains previously mentioned to mix with the oat sheaf to fatten him.

H. W. C.

Ans.—1. We would suggest one pound of a mixture of oats, corn and bran to every four pounds of milk produced, and a little oil cake per day to each cow. If clover or alfalfa hay are being fed the oil cake could be dispensed with. For feeding steers start light on the grain. Six to eight pounds per day is good feeding by the time they are about finished. Oats and corn are satisfactory grains.

2. It will depend a good deal on her persistency as a milker. If she will give around 25 pounds a day for six or seven months, and then only drop off slightly until the end of the lactation period, she will produce a fair amount of milk in a year. However, we usually like to see them give a few pounds more than this at the start. A heifer should be milked for ten or eleven months the first lactation, and given two months' rest before freshening again.

3. Oats is the principal grain for horses, but a little bran or oil cake might profitably be added to put the horse in condition. Boiled oats might be fed occasionally, and care must be taken not to overfeed on hay.



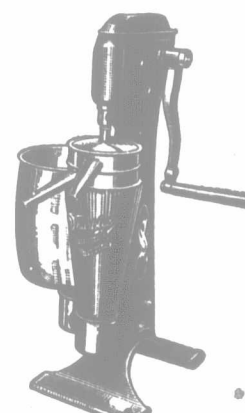
The height of this print of 80,000,000 lbs. of butter is 90 feet—its length 130 feet. An average loss of 10 lbs. of butter per cow by all separators except Sharples causes this appalling yearly cream loss in the United States alone. If all separators were Sharples this immense pile would be saved annually. For this reason: Sharples is the only separator that skims clean regardless of speed. Look back over your past experience with separators. Many a day you determined to turn at top speed and not lose cream. But unconsciously, little by little, you slackened and lost cream. That separator was not a

SHARPLES SUCTION-FEED CREAM SEPARATOR

If it were you could have slowed down and still gotten every particle of cream. Sharples is the only separator that "meets the moods"—almost human in its adaptability to every day conditions. It's the separator that not only can do unequalled work, but will do it, regardless of unfavorable circumstances. Sharples is

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Gladden Hill Ayrshires

—Headed by Fairvue Milkman, a son of Canada's Champion Ayrshire cow, for milk and butter-fat, Milkmaid 7th. Some choice young bulls from Record of Performance dams for sale, and a few females.

LAURIE BROS., Agincourt, Ont.

City View Ayrshires

—Record of Performance blood in everything. Our females run from 4.15 to 5.02% fat, with a herd average of 4.68. Bull calves and bulls fit for service. Stock for sale of either sex. Prices according to merits.

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YOUNG BRAMPTON JERSEYS BULLS

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.

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Largest and oldest importers and breeders of

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in Canada. Look up our show record. It will give you an idea of the kind of Oxfords we have for sale. **PETER ARKELL & SONS, Proprietors,** Teeswater, Ontario. Customers, beware of imitations of this advertisement.

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