

Butter Prices Will Be Maintained

THE Food Controller for Canada states: "I do not expect that the sale of oleomargarine will result in any reduction in the price of butter. The overseas demand is practically unlimited—For years after the war Europe will require all the butter which Canadian produce for export, and the prices are certain to be high."

High prices for butter make every pound of butter-fat saved a source of extra profit that is a revelation to many farmers and dairymen. The

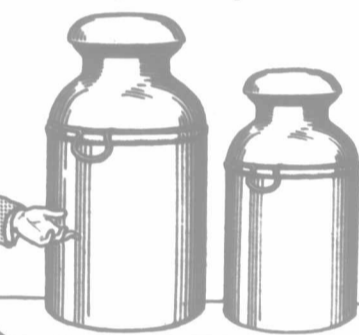
Renfrew

saves you about one half-pound of valuable butter-fat, per cow, per week, over other machines, even if they are in running condition, and much more if they are not running properly. Multiply this half pound by the number of cows in your herd and then calculate what this means to you in dollars and cents per year. Will it pay you to continue losing money by using an ordinary machine? The Renfrew gets all but the last three ounces of butter-fat in a ton of milk skimmed.



MADE IN CANADA

Which would you rather sell at present prices?



10 Gallons of good firm butter-fat from the Renfrew which gets all but 1-10 pound in every 1,000 lbs. skimmed.

7 Gallons of butter fat from other machines which lose a whole pound in 1,000 lbs. of milk skimmed.

Besides quantity, the Renfrew gets *quality*. Good first-class cream means globules of fat unbroken, and better, firmer butter. This high quality of cream is secured by the exclusive curved wing centre-piece of the Renfrew, which distributes the milk to the discs in thin sheets, and prevents the slapping of milk and breaking up of the fat globules, which occurs with the ordinary straight wing machines.

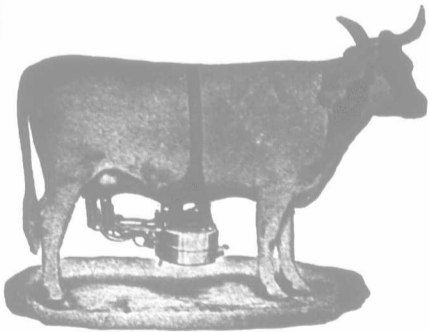
Our illustrated booklet gives Government Dairy Schools proofs of the close skimming. Also read about the Renfrew's exclusive interchangeable-capacity feature, self-oiling system and many other modern advantages. Write for booklet today.

NOTICE.—The Renfrew Separator illustrated here was formerly sold under the name "Standard," which identified it as a high efficiency cream separator. The name "Renfrew" has been used on the same machine for several years for our United States and foreign trade and under that name has become as popular in those markets as under the name "Standard" in Canada. Now the name "Renfrew" has been adopted for Canada, so as to link the name more closely with that of our company and so that we can sell the machine under a uniform name throughout the world.

The Renfrew Machinery Co., Ltd.

Head Office and Works: Renfrew, Ontario
Eastern Branch: Sussex, N.B. Agencies almost everywhere in Canada
Our Other Lines: Renfrew Kerosene Engine, Happy Farmer Tractors, Farmers 2,000 lb. Truck Scale, Wood Saws, Grain Grinders.

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

D. M. WATT

For imported or Canadian-bred Ayrshires, bulls or females, get my prices. My importations win wherever shown. Write me for one animal or a carload. St. Louis Station, Que.

Hospital for Insane, Hamilton

We offer bulls only for sale, but they are from some of the choicest cows to be seen in any herd, and bulls equal to the best.

—Apply to Superintendent

Cream Wanted

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

Ontario Creameries, Limited
London, Ontario

AYRSHIRE COWS

are good breeders, rich milkers, easy feeders.

WRITE W.F. STEPHEN, Secretary
CANADIAN AYRSHIRE BREEDERS' ASSN.
Box 513, Huntingdon, Que.

Fernbrook Ayrshires

Young bulls for sale (out of R. O. P. dams) from one to fifteen months old; tracing closely to the world's champions, Garclaugh May Mischief and Jean Armour.

COLLIER BROS., Beachville, Ontario
(OXFORD COUNTY)

HILLHOUSE AYRSHIRES—F. H. Harris, Mt. Elgin, Ont.

Headed by Burnside Lucky Master Swell, a combination of blood so hard to equal, being of the Masterpiece and Lucky Girl families, a combination which means quality, production and constitution. Ninety head to select from. Special offering—20 yearling heifers and 3 bulls. Inspection invited.

GLADDEN HILL AYRSHIRES

Herd headed by Fairview Milkman. Have one choice bull of serviceable age for sale—a 3rd-prize senior calf at Toronto, 1917—17 months old. Also a few females. Two Canadian-bred Clydesdale stallions from Imp. stock. **LAURIE BROS., AGINCOURT, ONT.** C. N. R., G. T. R., C. P. R.

LAKESIDE AYRSHIRES

A choice selection of young bulls for sale from Record of Performance dams imported and Canadian bred.

SIRE: Auchenbrain Sea Foam (Imp) 35758 many times grand champion.
Fairfield Mains Triumph (Imp.) 51137 a son of the noted Hobland Perfect Piece.

Write for catalogue.
Geo. H. Montgomery, Proprietor, Dominion Express Building, Montreal. D. McArthur, Manager, Phillipsburg, Que.

SUNNYSIDE AYRSHIRES

We have, at present, the strongest lot of young bulls we ever offered—1 by Hobland Masterpiece, 1 by Sunnyside Matchless—and the others by our present herd sire, Sunnyside Masterpiece.

JOHN W. LOGAN, HOWICK STATION, QUE.
JAS. B. ROSS, MEADOWVALE, ONTARIO, for high-producing, show-yard Ayrshires. Herd headed by SNOW KING 47376, first-prize two-year bull at Toronto, 1917. Write me also for anything in Yorkshires.
Meadowvale P.O., Streetsville Station

Dairying and Fertility.

The importance of conserving our natural resources is a subject that is occupying the attention of the most eminent men of the country. One of the most vital natural resources of any nation is the fertility of the soil. The milk cow is the greatest aid the farmer has in conserving the fertility of his land. By separating the milk produced and selling the cream, the fertility lost will be inconsequential. The skim-milk and the manure left on the farm will increase the fertility to such an extent that bigger and better crops may be grown and more cows milked each succeeding year. The results will be continually increasing profits without an increase in the number of acres cultivated.

In his famous book, "Feeds and Feeding," Professor W. A. Henry says: "The dairyman who sells butter and feeds the skim-milk to farm animals, parts with an insignificant amount of fertility. When cheese is made; if the whey is returned to the farm, a considerable proportion of mineral matter is conserved, but most of the nitrogen is lost. If whole milk is sold, the drain of fertilizing matter is considerable. These differences should always be borne in mind in conducting the various branches of dairy farming."

There is no branch of agriculture that takes as little fertility from the soil, and at the same time returns as good a profit to the farmer as dairy farming. It is a noteworthy fact, that wherever butter-making has been practiced for a number of years, there has been a steady increase in the crop-producing capacity of the soil.

When you sell \$1,000 worth of wheat off your farm there goes with it \$240 worth of fertility; with \$1,000 worth of beef, \$85 worth of fertility; with \$1,000 worth of pork, \$60 worth of fertility; with butter there is only \$1.35 worth of fertility taken off the farm with over \$1,000 worth of butter sold.

The first requisite of good farming is in so managing that the fertility of the land will be maintained. The only thing that makes your land worth anything is that it contains a supply of plant food. That supply is not inexhaustible. If you take from it, you must put back or eventually the supply will be exhausted.

A man who would annually sell a few acres of his farm, instead of cultivating it, would be considered a very poor farmer. Yet this is just what is being done when the crops which take a large amount of fertility from the soil are sold off the farm.—W. F. Willoughby, of the I. H. C. Service Bureau.

Treating Birds For Tuberculosis.

There is a heavy loss to poultrymen each year through the disease known as tuberculosis. This disease has gotten into many flocks and has been the direct cause of a heavy mortality. Treatment has been unsuccessful, and it is generally thought advisable to kill all birds showing symptoms and destroy the carcasses. One of our subscribers who has had his flock greatly decimated by this trouble was in the office the other day, and informed us that he had commenced feeding a little bluestone to his birds. About one teaspoonful to twelve quarts of water was the proportion used. This was for drinking purposes. The birds showing marked symptoms of the disease were given a stronger dose. A piece of bluestone about the size of a small bean was dissolved in a cup of water and given to each bird. Our subscriber stated that a few days after feeding this material the birds appeared to be a great deal better, and that where he had been losing a bird or two every week, he had not had a casualty since starting the use of bluestone. We have never tried this mixture, and must admit that it is the first we have ever heard of it being used for this trouble; however, we pass it on for what it is worth. If it has increased the vitality of one flock, it is possible it will give similar results with another. Care should be taken not to give the solution too strong else the results might be fatal.

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