

### Choose Your Engine as You Would Your Friends

*Wearing Quality as well as Appearance*

A few dollars saved on first cost looks very small when compared to valuable time lost because of an unreliable power plant.

### The MONARCH Reliable and Economical

because of having in its construction all the features absolutely necessary to accomplish this result.

It will prove a friend indeed to those whose profits are being consumed because of unreliable power.

Our leaflet explains the many desirable features of the engine. Free for asking.

**CANADIAN ENGINES, Limited**  
Dunnville, Ontario

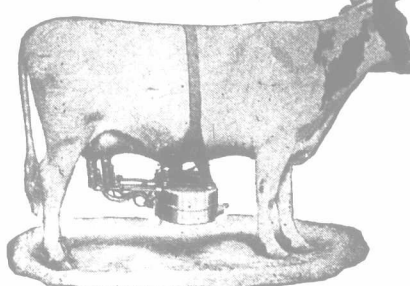
### Good Luck Feeds

Cotton Seed Meal, Oil Cake Meal, Gluten Meal, Digestive Tankage, Bran, Shorts, Oats, Crushed Oats, Corn, Cracked Corn, Corn Meal, Feed Wheat, Good Luck Baby Chick Feed, Scratch Feed, Poultry Mash, etc. Write for prices.

**CRAMPSEY & KELLY**  
Dovercourt Road Toronto

### OMEGA MILKING MACHINES

Efficient, Hygienic



The pail and teat-cups are suspended from the cow's back. The teat-cups cannot fall to the floor and suck up manure or straw. The Omega has no rubber tubes. The Omega milks as fast and as clean as is possible by hand. Leading dairymen in Canada, U. S. A. and Europe are using the OMEGA. It's a perfect milker. WRITE TO-DAY for free booklet describing the special features of the Omega. C. Richardson & Co., St. Mary's, Ontario.

Every farm should have an  
**AYRSHIRE**  
**The Cow for Profit**  
WRITE  
Canadian Ayrshire Breeders' Association  
W. F. STEPHEN, SECRETARY-TREASURER  
HUNTINGDON, QUE.

**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.**

**Choice Offering in Ayrshires** At Special Prices. Several young bulls of serviceable ages. All from R. O. P. sires and dams. Come and see them.  
**Jno. A. Morrison, Mount Elgin, Ontario**

**City View Ayrshires**—For July sales: Senator bull calves, all R.O.P. dams. Will exchange one. Must have quality and R.O.P. records.  
**MES BEGG & SON St. Thomas, Ont.**

ing the plant and equipment in repair, for buying new equipment, and for paying taxes and insurances. The amount accumulated for that purpose should constitute up to 20 per cent. of the cost of the building and equipment. All money received by the co-operative creamery association, from the sale of goods, belongs to the patrons of the creamery and should be divided between them in proportion to the amount of butter-fat delivered by each after all operating expenses have been paid, and the necessary amount deducted for the sinking fund.

Only patrons of a creamery may become members of the association. Each patron has one vote on all matters pertaining to the business. The fact that a party becomes a patron of the creamery makes him a member of the association, inasmuch as he, in paying his share of the sinking fund, is paying towards the maintenance of the plant. In case of dissolution of the co-operative creamery association, each patron, or former patron, has the right to share in proportion to the amount of business he has transacted through the association, in the amount that is left after the liabilities of the association have been paid. The co-operative creamery in Denmark is usually successful in communities where a sufficient amount of milk is produced, and where the people understand to work together in harmony. In such communities the advantage of the mutual co-operative creamery association over the individually owned company are many. First—Increased value of the raw product. This is due to elimination of dividends on capital stock, and also to less expense in securing raw material. Second—A definite supply of raw material is assured. Third—Greater interest is manifested in increasing the production from the herds. This is due to the greater profit obtained, as well as to the existing friendly feeling towards their own institution. Fourth—Better quality of raw products. The patrons of the co-operative creamery realize keenly the importance of care of the milk and cream on the farm, they realize that neglect along such lines results in direct loss to them. In a co-operative organization the producers pay closer attention to the quality of goods delivered by their fellow members, and the one who delivers raw products of inferior quality is liable to severe criticism.

We see here where the educative value of co-operation comes in, for after all, it is only a matter of habit if we do our work in our daily life as well as we possibly can, and once getting the good habit, we are, more or less, inclined to keep it up, first for the benefit of ourselves, as that is human nature, and also for the benefit of our fellow beings.

This is a brief outline of the mutual co-operative system, as it is worked out in Denmark, and this form of organization has proved itself a success under varying conditions in many countries in Europe. It has also been recognized that co-operative production, co-operative marketing and co-operative borrowing or credit are vitally inter-related.—S. P. Broby.

### Questions and Answers. Miscellaneous.

#### Tractor Gear for Engine.

1. I have a 10-h.-p. Chapman engine which I operate on coal oil and water. Can I get a truck tractor gear by which I can plough and disk?
2. What would be the cost of such a gear?
3. Could you give me the name of a reliable firm who make such?
4. Do you think it advisable to invest in such a rig?

FARMER.

Ans.—1, 2, 3 and 4. We take it that your engine develops 10 h.-p. on the belt. That being the case it would not likely develop more than 5 h.-p. on the pull. Besides, we doubt the practicability of adjusting it to a tractor gear satisfactorily and know of no firm manufacturing such a gear at present. It would likely prove more profitable to invest in a tractor which could be used in the fields or on the belt. You might with such a machine be able to dispose of the engine you already have. At any rate we would advise that you write the manufacturers of your engine re the tractor truck proposition before attempting to alter it for plowing and disk.



## BUYING A DE LAVAL SEPARATOR NOW

**Is real thrift and genuine economy**

"THRIFT" means saving wisely. "Economy" means spending wisely. There is no economy in going without money-saving and labor-saving equipment.

It is poor economy to try to do without a De Laval Cream Separator—a machine which would not only save a lot of time-wasting work, but would add from 15 to 25 per cent to your cream crop by putting a stop to your butter-fat losses.

This country is at war. The nation cannot afford, and you as an individual cannot afford to allow the present enormous waste of one of our most valuable foods—butter-fat, to continue an unnecessary day.

See the local De Laval agent to-day. Get him to explain to you how the De Laval saves butter-fat that is lost by gravity skimming or the use of an inferior or half-worn-out separator. If you do not know the De Laval agent, write to the nearest De Laval office for new catalog or any desired information.

Every New De Laval is equipped with a Bell Speed-Indicator

### THE DE LAVAL COMPANY, Ltd.

LARGEST MANUFACTURERS OF DAIRY SUPPLIES IN CANADA. Sole manufacturers in Canada of the famous De Laval Cream Separators and Ideal Green Feed Silos. Alpha Gas Engines, Alpha Churns and Butterworkers. Catalogues of any of our lines mailed upon request.

MONTREAL PETERBORO WINNIPEG VANCOUVER  
50,000 BRANCHES AND LOCAL AGENCIES THE WORLD OVER

## Patriotism, Production and Profit

ARE COMBINED IN THE USE OF

### SYDNEY BASIC SLAG

The Canadian farmer is asked to help in winning the war by producing more foodstuffs. To get a bumper crop of wheat the sure way is to apply SYDNEY BASIC SLAG. It costs twenty dollars per ton, the same as before the war. At this price no man can afford not to use fertilizer.

Send us your name and address, and our salesman will call and tell you all about SYDNEY BASIC SLAG.

If you have a little time to spare, perhaps you could distribute a car of twenty tons among your neighbors. You will be reasonably remunerated for your trouble, but above all, you will be doing your bit in helping to win the war by increasing food production.

**The Cross Fertilizer Co., Limited**  
Sydney, Nova Scotia

### THE WOODVIEW FARM JERSEYS

LONDON, ONTARIO

John Pringle, Prop.

CANADA'S MOST BEAUTIFUL JERSEY HERD  
The foundation of this herd is made up of very high-class cows, imported from the Island of Jersey, most of them in the Record of Performance, and while we have, at all times, a few mature cows for sale, we make a specialty of in-calf heifers and young bulls. Write us your wants, or better still, come and see the herd. We work our show cows and show our work cows

### 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, ONTARIO**

### Edgeley Stock Farm

The home of Canada's greatest producing Jersey, **SUNBEAM OF EDGELEY**, the Sweepstakes Dairy Cow at the recent Guelph test; is also the champion R. O. P. butter cow for Canada. Would a grandson or great-grandson of this famous cow improve your herd? We have them. Write for particulars. **JAS. BAGG & SON, Woodbridge, C. P. R.; Concord, G. T. R. EDGELEY, ONT.**



**Glenhurst Ayrshires** For 50 years I have been breeding the great Flos tribe of Ayrshires; dozens of them have been 60-lb. cows. I have lots of them get 60 lbs. a day on twice-a-day milking. Young bulls 1 to 10 months of age, females all ages. If this kind of production appeals to you, write me.  
**James Benning, Williamstown, Ont.**