

## PALMER-McLELLAN FARM BOOTS



[Mailed to You  
Post Paid]

Light in weight—wear like iron.

More comfortable than those who don't wear them can imagine.

Made in the general shape of a moccasin, they afford ease of movement that is delightful. Built on right and left lasts, with counters and soles they fit the foot, hold their shape, and give the greatest measure of neatness and support.

All leather used is from selected hides tanned by the famous

### Palmer-McLellan Chrome-Oil Process

which makes it soft and very durable and prevents it from shrivelling, hardening or cracking. The sole and heel are nailed on by a method which prevents ripping or parting with the uppers.

Will outwear and give greater comfort than any other farm boot on the market.

Men's 8-inch high, \$4.75. 9-inch high, \$5.25.

Boy's 8-inch high, \$3.75. 9-inch high, \$4.00.

Women's 8-inch high, \$4.25. 9-inch high, \$4.50.

Fitted with top soles, men's 70c. extra, boy's 60c. extra, women's, 60c. extra.

State size and height desired. Address your order to Dept. 2.

PALMER McLELLAN SHOEPACK CO.

Limited, Fredericton, N.B.

## WOOL

Farmers who ship their wool direct to us get better prices than farmers who sell to the general store.

**ASK ANY FARMER!** who has sold his wool both ways, and note what he says—or, better still, write us for our prices; they will show you how much you lose by selling to the General Store.

We pay the highest prices of any firm in the country and are the largest wool dealers in Canada. Payment is remitted the same day wool is received. Ship us your wool to-day—you will be more than pleased if you do, and are assured of a square deal from us. 2

H. V. ANDREWS  
13 CHURCH ST., TORONTO

## Flintstone Farm

Breeders of—

Milking Shorthorn Cattle  
Belgian Draft Horses  
Berkshire Swine

### OTHER RECORDS

Employees of Flintstone Farm have subscribed for \$5,200 worth of Liberty Bonds, besides contributing to the Red Cross, Red Triangle and other war funds.

Eight of our men are in the service. Two of them are already in France. Those still with us are carrying on the extra load placed on them willingly and cheerfully.

Dalton  
Massachusetts

## BULLS

am offering, for immediate sale, three good bulls. One roan, imported, 13 months, and two others, extra well bred.

Anyone wanting a bull of the better sort should see these.

A. G. FARROW, OAKVILLE  
(Half Way Between Toronto and Hamilton)

## Shorthorns for Sale

Right Sort Son = 96282 = (guaranteed) \$500. A choice lot of young heifers and bulls. Special price for next 30 days. Sound Shire mare, registered, 4 years old. Radial every hour from Hamilton.

C. N. Blanshard, R. 2, Freeman, Ont.

mentioned, the rate of filtration is lowered and the area must be increased.

Aside from these general principles of construction, there are many details. Cleats should be provided on the sides of a small filter to prevent the water from working around the sand. At the bottom of the filter some means of collecting the purified water must be provided. The best and simplest way of accomplishing this is by a layer of gravel at the bottom of the tank. Coarse gravel or broken stone should be placed at the bottom of the tank with finer gravel between it and the sand. Six inches is usually thick enough for such a collecting layer. In a large filter, tile drains are necessary to convey the water to the outlet, but in a small filter it is sufficient to slope the floor to the side where the outlet is located.

### Keep Filter Full of Water.

As has been explained before, in order for a filter to operate efficiently, it is necessary that the slimy bacterial growth in the upper layers be maintained. To do this effectively, requires that the filter be kept full of flowing water, as air interferes with these water bacteria. For this purpose the outlet provided should be small enough to make the flow steady and kept it steady. If a large outlet is used the water, travelling faster through the lower layers than through the upper layers, will take in air, which greatly hinders the action of the filter. If the filter is operated continuously, some automatic device must be provided at the intake to regulate the head by means of a float. There are several such devices on the market, and they usually consist of a float attached to a valve by a lever.

When the filter is first put in operation, the water is not purified efficiently until after the gelatinous mass forms on top of the filter. Because of this fact, the water should not be used for the first week, if better water is obtainable. After a filter has been in operation for some time this mass becomes so thick as to greatly retard the flow. This condition can be greatly remedied by removing about a quarter of an inch of sand from the top, or by allowing the air to circulate through the sand. If the former method is used, the operation of the filter can be immediately resumed. But if the latter is used, it is best not to use the water for several days.—H. A. Sewell.

## Rural Leadership Conference.

A summer school for rural leadership will be held at the Ontario Agricultural College from Monday, July 22, to Saturday, August 3. An effort has been made to have a particularly strong program. Prof. E. R. Groves, Professor of Rural Sociology, of New Hampshire State College, will deliver a course of ten lectures on Rural Sociology, and another course will be on a program of community work. There will be a course of five lectures by L. L. Driver, of Indiana, a promoter of consolidation of rural schools in the United States. There will also be a series of seminars on various country problems, including social hygiene, rural community life movement, the church, and war problems. The program for the afternoons will include a study of types and breeds of live stock, judging standing field crops, soil chemistry, bacteriology and bee keeping.

The 1918 National Dairy Show is to be held at Columbus, Ohio, from October 10 to 19. An effort is being made to have this year's show excel all previous ones. As in the past, it is expected that representatives from the best dairy herds in the country will be present and enter in competition for the honors. Manufacturers of dairy supplies will be present with their wares. There will also be many features of a special, educative nature put on by the various State Colleges and Experimental Stations. In the past Canadian breeders have not been very well represented; neither as exhibitors nor visitors. The show is held at a time of year when there is a good deal of work on the Canadian farm. However, we believe that a few days at the National Dairy Show would be time well spent.

Fifteen cents a pound has been fixed as the price of Government fish under the "cash-and-carry" system.

## "Harnessing the Air" to Save Butterfat

The air is a great wizard. Properly employed, (as in a Sharples Suction-feed Separator) it will save North America more than eighty million pounds of butter which fixed-feed separators waste because 95% of them are turned below speed much of the time.

The Sharples Suction-feed principle really harnesses the air and makes it work for you. By means of the suction-feed, just enough milk enters the tubular bowl as can be perfectly separated. As your speed varies so does the suction-feed. Thus, Sharples saves the cream waste that results when fixed-feed separators are turned under speed.

## SHARPLES SUCTION-FEED CREAM SEPARATOR

### Skims Clean at Any Speed

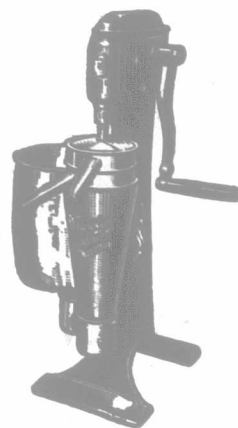
While air is free to everybody, yet the suction-feed principle is exclusive with Sharples and fully protected. Bear that in mind when you investigate a separator and insist on knowing if it will skim clean at any speed. Get proof.

There are no discs in a Sharples tubular bowl which adds further to its superiority. The one-piece bowl is easy to clean, easy to turn—even for a boy. Write nearest office for catalog, addressing Dept. 78

The Sharples Separator Co.

Toronto, Ont.

Regina, Sask.



## WELDWOOD SHORTHORNS

We have a choice offering of bulls ranging in age from 7 months to 1 year. They are bred for milk and have excellent quality and individuality. They are sired by Dominator, 10624, whose grandam on his sire's side has an R. O. P. record of 13,535 lbs. of milk, testing 3.99, and whose dam has an R. O. P. record of 10,609 lbs. milk, testing 3.88. Their dams have records ranging from 8,000 to 11,000 lbs. milk in one lactation.

Weldwood Farm, Farmer's Advocate, London, Ontario

## THE MANOR STOCK FARM---SHORTHORNS

Bulls all sold. Have Wimples, Rosemarys, Minas, Roan Ladys, etc., for inspection.

JOHN T. GIBSON

DENFIELD, ONTARIO.

## BURNFOOT STOCK FARM

Breeders of high record, dual-purpose Shorthorns with splendid conformation for beef. Have a number of bulls calved last fall and early in winter.

S. A. MOORE, PROP.

(Farm one mile north of Caledonia)

CALEDONIA, ONTARIO

## WELLAND DISTRICT SHORTHORN BREEDERS' CLUB

New sales list out: cows, heifers bred, young bulls, also stock bull Morriston Pride = 102330 =.

Chas. Gainer, Secretary, Box 607, Welland, Ontario. A. E. Howell, President, Fenwick, Ont.

## Sprucedale Dual-Purpose Shorthorns

I am offering my herd sire, Braebur Prince; dam, Bessie of Low Banks 2nd, 11,636 lbs. of milk in R.O.P. Good individual, sure and right. Also a few calves by him as well as some nice young litters in Berkshire.

Frank Teasdale, (Concord G.T.R. Station 100 Yards) Concord, Ontario.

## GERRIE BROS.' SHORTHORNS

Herd headed by Gainford Matchless, one of the very best sons of the great Gainford Marquis. Our breeding cows are Missies, English Ladys, Duchess of Glosters, etc. Present offering of young bulls are by our former herd sire, Master Missie, Junior Champion at Brandon last summer.

GERRIE BROS., ELORA, ONT.

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