

When you need more capacity —  
Which would you rather  
pay for?

**SOONER** or later in these times of change you are up against the problem of an increase in capacity for skimming. Which would you rather pay for—a whole new separator, or a new bowl and fittings only? With other machines you must buy another entire new machine to increase capacity. The day you get your

**Renfrew**

you can forget your capacity troubles; increase your herd and you simply send for larger bowl and fittings, returning old bowl. You pay the difference between the sizes. The one frame does for all capacities.

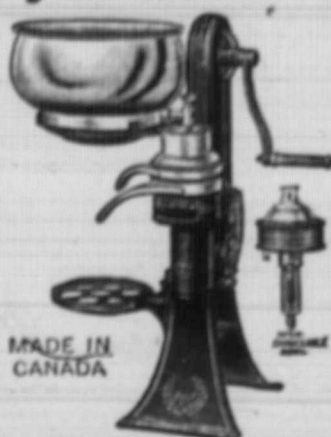
The change of capacity is not accomplished by merely changing the skimmer. On the contrary, our new patented interchangeable bowl casing permits bowl to be changed completely. Each bowl is proper capacity for the work it has to do, not a makeshift.

This interchangeable capacity feature, in perfected form, is obtainable only in the Renfrew. It is making a hit with dairymen. Alone it would make a big appeal, but the Renfrew also gets quality butter fat and more of it than others. This is due to its exclusive curved-wing centerpiece and wide open bowl. The Renfrew saves all but 1/10 of a pound, less than 7 cents worth lost in 1000 lbs. of milk skimmed. It runs easy and is the easiest machine of all to clean.

All these big features mean both convenience and real gold dollars saved right along. The Renfrew catalogue explains all; besides, it gives Government Dairy Schools' tests proving close skimming. Write for it to-day.

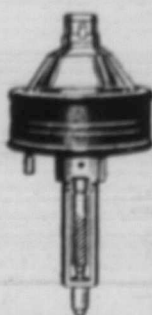
**COCKSHUTT PLOW COMPANY LIMITED**

Winnipeg Regina Calgary Saskatoon



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Interchangeable Bowl and Spindle



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WHEN WRITING TO ADVERTISERS PLEASE MENTION THE GUIDE

# Red Polled Have Made Good

Continued from Page 5  
**WORLD'S OFFICIAL RED POLLED RECORDS**  
For Different Ages

| Age Class | Name of Cow                                            | Milk Lbs. | Fat Lbs. | Butter Lbs. |
|-----------|--------------------------------------------------------|-----------|----------|-------------|
| 5 A       | 31725 "Jean Du Luth Beauty," A. R. (No. 2836 Canadian) | 20280.6   | 891.5    | 1114        |
| 4 B       | 33551 "Jean Du Luth Millie," A. R.                     | 12675.7   | 519.9    | 649.8       |
| 4 C       | 31787 "Jean Du Luth Dorothy," A. R.                    | 11614.8   | 571.4    | 714.2       |
| 3 D       | 34863 "Jean Du Luth Latona," A. R.                     | 12647.4   | 532.6    | 665         |
| 3 E       | 38454 "Lady Golden," A. R. (2880 Canadian)             | 12073.5   | 536.5    | 662.5       |
| 2 F       | 34871 "Jean Du Luth Bata," A. R.                       | 8629.1    | 437.8    | 547.2       |
| 2 G       | 44953 "Cremo Casey," A. R.                             | 10241.7   | 571.3    | 714.32      |

## Points of Merit

Extreme hardiness seems to be one of the chief points in this breed of cattle, as they seem to withstand the cold of our northern winters and are very resistant to many forms of disease. We have noticed that the calves are also especially hardy, and there is a smaller percentage of loss in raising them than any other breed of cattle. One of our fellow breeders has a herd of about 100 head, all or nearly all of which he has raised from one foundation cow, while our herd, established only about half as many years, 69 trace to three of our foundation cows. There is no means of knowing with exact certainty, but from the experience the writer has had with cattle he is strongly inclined to the opinion that they are more free from abortion and much more resistant than other breeds of cattle. This is a chief reason for the writer's admiration for the breed. For three years we never lost a Red Poll calf from any cause, and had no abortion from cattle that we bred in our own herd.

There are those who prize most highly the dual character of the breed, as they find Red Poll cows splendid milkers and when through their days of usefulness, make most excellent beef, and many high producing cows raise excellent Red Poll steers. In most markets there seems to be a strong preference for red color in market stock, and butchers will pay a premium for red cattle for meat purposes. The hornless feature seems to appeal to many as they do not care to have their stock go through the pain of being dehorned. This breed of cattle have been hornless for so many generations that the polled character is dominant over horns, and there is hardly a case among well-bred Red Polls where horns are thrown. Even where a Red Poll bull is used on a Shorthorn herd of cows practically all of the calves will be hornless, the facts are we have never had a grade Red Poll that developed horns. The shape of the head of a Red Poll is quite important in breeding stock, as the higher the crown the less apt they are to throw horns. In carrying out selection according to Mendel's law the high polled Reds are the pure polled cattle.

Among the early records of Red Polls as meat producers we find the steer exhibited by H. P. Green, at the fat stock show of England, in 1895. This steer was one of twins, and his dam "Gleaner" a pure-bred, had a milk record of 14,189 pounds made the previous year. At less than one-and-a-half years old the steer weighed 1238 pounds, at two years and six months he weighed 1735 pounds. Another one of Green's steers exhibited at a previous show dressed out 73.7 per cent. of live weight. In recent years we might call attention to the bull "Paul," No. 20994 (2799 Canadian), who sired the first prize and champion Red Polled steer at the Iowa State Fair; first prize at Nebraska State Fair and member of the Steer Herd that was champion over all breeds. "Paul's" full sister in blood, "Pansy," produced "J. D. Parity," who was unbeaten in 1915, and has just closed an official record of over 500 pounds of butter fat in her three-year-old form.

The bull "Teddy's Best," No. 17603 (2590 Canadian) who has two high record daughters for milk production, and many more that will be put on test when older, has been a great show bull and sire. He has been 32 times a champion, and with his sons sired 60 per cent. of all the Red Polled prize winners shown in America in 1916, and about as large a proportion of those shown in the U. S. and Western Canada in 1917. A full brother to the world's champion four-year-old Red Polled cow

"Dorothy," sired the first prize senior Red Polled steer calf at the 1917 International Livestock Show, Chicago.

The modern Red Poll cow should weigh between 1,300 to 1,400 pounds, and the bull not less than a ton when in fair show condition. The early standard called for a high tail setting, and with this we find a tendency to a lack of depth in the loin which two characters we are constantly trying to eliminate. As in most dairy breeds there is a tendency to lack of development in the front quarters of the udder, but in the more highly developed and highly bred stock we are doing away with this imperfection. We believe Red Polls are more prone to have larger teats and a funnel shaped udder than in any other breed, but these points are being successfully overcome. Coarseness in the head and a wiry hair, especially about the poll, is an indication of a lack of production in a cow. Dark red color is desirable and no white should be permitted with the exception of the switch of the tail, the udder, and as far forward as the navel. The deeper colored reds are more popular at the present time than is the light color or dun of the old Suffolk cow. However, in breeding dark Red Polls there is always a tendency to run to black in the tail, head and underparts of the body. Light red or dun is an indication of excellency in milk production and dates back to the old Suffolk cow whose color was inclined to run to dun. The world's champion Red Poll cow "Beauty," is about as deep a color as it will do to breed, in fact she is so deep that a few very dark hairs can be found along her tail. The weight of "Beauty" is 1750 pounds, which is heavier than our standard calls for.

## In conclusion:

1st.—Norfolk and Suffolk polled cattle can be traced with some degree of certainty to the eighth and ninth centuries and Suffolk polled cattle cows have been great milk producers since time immemorial, while Norfolk "Home-breds" have been recognized as peerless cattle for the block since a very early date. In 1808 these two strains were hybridized for dual character, and since have been selected with great care according to Mendel's law to preserve the hornless feature, high dairy production with deep fleshing quality.

Red Polled-cattle breeders were the first to keep authentic yearly milk records beginning in May 1, 1886, and since that time some 2,150 authentic yearly records have been published. In America some 50 official records in one herd average 468 pounds fat, and the same blood lines sired the first prize Red Polled steer calf at the 1917 International.

2nd.—If milk and beef is desired from the same herd, two characters must be carried in mind instead of one as is the case when breeding a single purpose animal. Splendid herd records at the fair and steers dressing out over 73 per cent. prove that the Red Polled breed have dual character. While nearly all Red Polls have dual character the best results are obtained through animals whose ancestral production for generations has been known as well as the beef making tendencies as judged by the show ring winnings. Success comes to those who keep in mind these two characters, selecting and line breeding according to Mendel's law from such animals as are found to possess the desired character.

3rd.—The same points of merit do not appeal to all alike, but it seems desirable to many farmers to raise some excellent beef along with production at the milk pail. Red Polls are extremely hardy and resistant against common diseases, and especially the dreaded

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