

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.

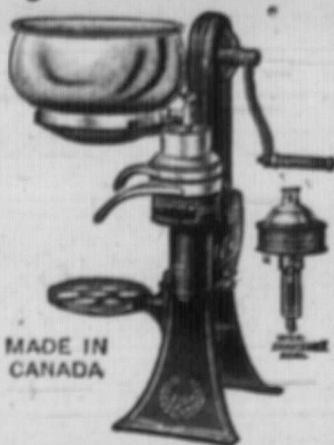
The change of capacity is not accomplished by merely changing the skimmer. On the contrary, our new patented interchangeable bowl casing permits bowl to be changed completely. Each bowl is proper capacity for the work it has to do, not a makeshift.

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.

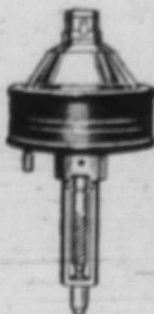
COCKSHUTT PLOW COMPANY LIMITED

Winnipeg Regina Calgary Saskatoon



MADE IN
CANADA

To change capacity you
do not have to buy a new
machine—just
this part.



Interchangeable
Bowl and Spindle

the above feeds are quite unsuitable for other classes of stock and the percentage of digestibility also would vary proportionately. This, however, serves as an example of the method of selection. Special attention is drawn to the value of elevator screenings in the feeding of growing pigs and to the fact that corn at present price, if available, is slightly cheaper than barley for finishing hogs.

Only standard feeds have been mentioned, but there are many compounded meals on Canadian markets which may possibly be purchased more cheaply than many of the standard meals or grains, both as to price per ton or price per hundred pounds of digestible protein or total digestible nutrients.—E. S. Archibald, Dominion Animal Husbandman.

Influence of Grinding

There is considerable difference of opinion amongst good feeders regarding the value of grinding grain for farm animals. The value of the grain is enhanced in two ways by grinding. It makes it more digestible and in some cases more palatable. According to experiments re comparative digestibility of whole and ground grain it was found that grinding increased the digestibility of oats from 3.3 to 14 per cent. for horses. In the case of ruminants the value of ground grain is not so marked, especially in this true with sheep. So far as palatability is concerned, horses apparently relish whole oats equally as well as when chopped. With colts and aged horses where quite often the mastication is not perfect there is little question that chopping oats is to be recommended. The profitability of grinding grain depends in part at least upon the relation of the cost of grinding to the loss of nutritive material from not grinding. If the cost of grinding amounts to one-tenth to one-twelfth the value of the grain the economy of grinding it is doubtful.

Blackleg

Blackleg is a disease that affects cattle. In North Dakota most of the cases have been west of the Missouri river and usually on hilly land, but cases have occurred even in the Red River valley, but only in the last few years.

The first indication of it is depression, loss of appetite, a failure to ruminate and a high fever. The breathing becomes rapid, the animal moves with difficulty and lays down often. In a few hours swellings appear under the skin, and in 12 hours the animal may become paralytic. The muscles of the affected quarters become dark brown or black.

Blackleg is caused by a germ found in the soil in some sections. These germs get through the skin by way of scratches, pricks of thorns, stubble beards and penetrating foreign bodies which may puncture the skin. Cattle between six months and two years are the most susceptible. The disease does not usually spread from animal to animal, but the germs from the sick or dead animal get into the soil and from the soil to another animal. For this reason the dead animal should be burned or buried (at least six feet deep) and quick lime sprinkled over it. In case of burning it must be done thoroughly, then disinfect thoroughly.

The cattle can be vaccinated against blackleg. The Bureau of Animal Industry of the U. S. Department of Agriculture furnishes this vaccine free. Where blackleg is known to have occurred all cattle should be vaccinated.—N.D.A.C.

The Hampshire Down Sheep

Continued from Page 10

value of fleece, strength and vigor of lambs, quick development and stamens for market, motherly qualities of ewes, docility and precocity when crossed on other breeds or common stock, it may well be doubted whether an equal to the Hampshire can be found today on the face of the earth. We think not. They have been brought to the U.S. in considerable numbers and found most admirably adapted to our needs. The American Hampshire Sheep Association was organized in 1889, and for a few years made seemingly but slow progress, but in later years it has gone on to the fore front by leaps and bounds until in the year 1916, the last year in which we have statistics, the demand had grown so great that more Hampshires were imported into the U.S. than of all other breeds combined; not only more, but more than three times as many as all others combined. What further comment is needed as to their popularity or value?

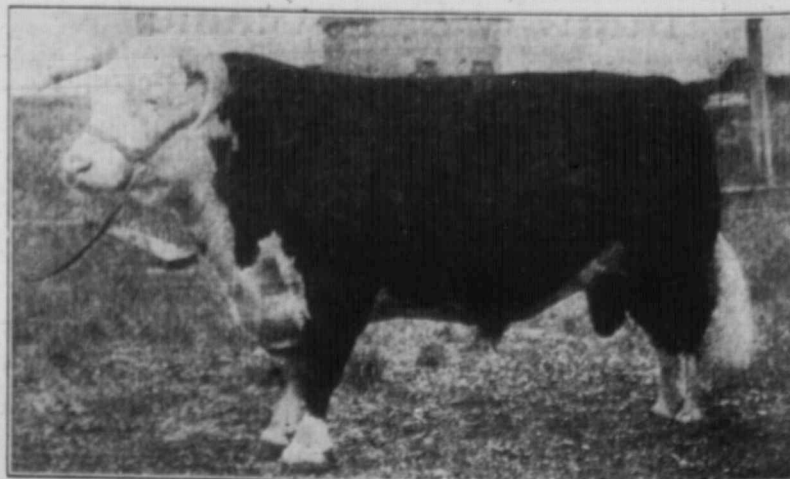
Vol. I of the American Flock Book contained 65 pages, all told. Vol. XV, has about 820 pages closely printed and replete with pedigrees of the aristocrats; handsome photo's and information relative to the breed. The officers of the organization are as follows: President, Robert Blastock, Donerail, Ky.; vice-president, F. J. Hagenbarth, Spencer, Ida.; vice-president, H. W. McLaughlin, Raphine, Va.; vice-president, W. F. Renk, Sun Prairie, Wis.; vice-president Frank Sherwood, Shelbyville, Mo.; sec. treas., Comfort A. Tyler, 36 Woodland Ave., Detroit, Mich.

They believe in all legitimate advertising, have spent hundreds of dollars in newspaper and other advertisements. Issued printed matter galore that is free for the asking, and have plenty of money in the treasury to accomplish what they set out to do. Probably no other breed of sheep on the face of the earth has made such rapid strides toward popularity during the last five years as the Hamps., and all the time "There is a reason."

A Reliable Road Motor

My experience with various means of locomotion on the country highways may possibly interest some of your readers. I consider, after due experience, the horse to be the most marvelous motor invented and think his running gear very admirable. While I do not care to work him at his extreme speed and find that he steers a little uncertainly as yet, still I think him an astonishing advance over the ordinary internal combustion engine, and even more dependable than is steam.

I have owned and driven six machines of my own and have tried a good many others. For rapid work with large loads and hot days and good roads give me the big gasoline car. It is a success, and it does not sweat or get weary un-



"Byron Fairfax Jr.," 25471; Sire, "Byron Fairfax"; Dam, "Miss Rupert 2nd." Hereford bull, a prize-winner at Brandon and Regina Fairs last summer. Owned and exhibited by Jas. J. Moffat, Carroll, Man.



"Gay Lad 16th,"
Champion Bull of Calgary,
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Three litters, sired by "Robbards Champion 2nd," shown by us at the recent Alberta Summer Fairs won first, second and third at Calgary, first and second at Edmonton, and first, second and third at Medicine Hat and at Lethbridge.

We still have for sale at \$50 each a few young boars and sows from these and other large litters.

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