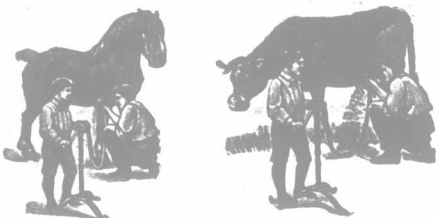


Beware of poorly  
made imitations  
of this machine



## Clip Your Horses and Cows with this Machine

Horses should be clipped in the spring. Clipped horses thrive on less feed, are healthier, look better and do better work. They dry off quickly, rest well and are not prone to have colds, etc., like unclipped animals. Clip the flanks and about the udders of your cows every three or four weeks. This makes it easy to clean the parts before milking and insures clean, uncontaminated milk. The easiest and quickest way ever devised for clipping horses and cows is with this

**Stewart Ball Bearing Clipping Machine** Anyone can operate it. It turns easier and clips faster than any other. The gears are all of cut steel made fig. hard. They are enclosed, protected and run in oil. It has six feet of high grade flexible shaft, and the celebrated Stewart single nut tension clipping head, highest grade. The price all complete, at your dealers, is only \$9.75. Get one from your dealer. Write today for new 1911 catalogue.

Chicago Flexible Shaft Company  
110 LA SALLE AVE., CHICAGO

Made  
Up  
To  
Standard

# Standard

Not  
Down  
To  
Price.

## Is There Any Money in Dairying

I once heard a farmer say that if the cows paid their own way he had the manure pile for his profit. EASILY SATISFIED, WASN'T HE?

DON'T LAUGH, MAYBE YOU ARE STILL EASIER SATISFIED, AND DON'T KNOW THAT YOU HAVE EVEN THAT MUCH PROFIT.

Why plunge along in the dark? For all you know, instead of the DAIRY MAKING MONEY TO KEEP YOU, YOU ARE MAKING MONEY TO KEEP THE DAIRY.

## Investigate

First look to the **quality** of milk your herd are giving. This is just as important as the quantity.

Then get a proper way of taking care of the milk. The matter that will decide whether your dairy is to be run at a PROFIT or at a LOSS is the getting of the cream from the milk. There is only one way that this can be done to advantage, and that is by the use of a **GOOD CREAM SEPARATOR**. Any cream separator is better than the old way, but to get the best results only the highest grade machine should be used.

"STANDARD" CREAM SEPARATORS PRODUCE MORE CREAM (butter-fat) FROM THE MILK THAN IS POSSIBLE WITH ANY OTHER SEPARATOR. A "STANDARD" will get enough extra cream over the pan or deep-setting system TO PAY FOR ITSELF IN LESS THAN ONE SEASON with a herd of six cows, and gets enough extra over the next best

skimming separator TO PAY FOR ITSELF IN TWO AND ONE-HALF YEARS. The above are FACTS which can be PROVEN by a TRIAL.

Write for our free Catalogue, which fully describes THE WORLD'S GREATEST SEPARATOR.

Address Desk 7 **The Renfrew Machinery Co. Ltd., Renfrew, Ont.**

### TRADE TOPIC.

It is well known among stockmen that molasses is a valuable food for animals of all kinds. Great quantities of the cheaper grades are used for this purpose in Britain. Considerable labor, however, is required in preparing it for stock, as it has to be diluted with water, and the dilute liquid sprinkled on the food. The Caldwell Feed Co., Ltd., Dundas, Ont., claim to have a product in Caldwell's Molasses Meal, which does away with this

labor of preparation, and is, besides, free from some other objections to the use of liquid molasses. This preparation is formed by incorporating, under pressure, 80 to 84 lbs. of pure cane molasses, and 16 to 20 lbs. of sphagnum moss. The moss is said to have a digestive and antiseptic effect on the intestines, and about the same feeding value as straw. This molasses meal is not intended for a stimulant, but is to be used in place of other foods. Send for circular.

### QUESTIONS AND ANSWERS. Miscellaneous.

#### SUCKER PROBABLY TOO HIGH.

To obtain water for our school, the Trustees got a well sunk and put in a pump. After a time the pump would not work on account of sand getting around the sucker. There was little water used, and it became impure. The Trustees had it filled up, and put down what is called a drive well; that is a 2-inch pipe with a point, and soldered a hand-pump to it, but it will not bring the water. Can you, or any of your readers, give the reason? At the level of the sea an ordinary pump will not lift the water any higher than 32 feet. The sucker may exhaust the air out of the pipe, but no air can get on the surface of the water to force it up. Do you think if the pump was taken off, leaving the pipe open, and a small pipe was put inside, a sufficient amount of air would get down to the water to force it up?

Ans.—From the information you have given, it is impossible to be certain as to the cause of the trouble. If you had mentioned the distance the sucker is from the water level, it would be of great assistance. Theoretically, the sucker must be within 30 feet of the surface of the water, when the pressure is 28 inches of mercury, and 32 feet when the barometer stands at 30 inches. But as pumps can not be made perfect, the sucker must be closer than this to the water to insure satisfactory results. In general practice, it is placed within 25 feet of the water. I judge the trouble with this pump is that the sucker is too high up. Letting the air in as suggested by you would be of no use, as the air is already pressing on the head of water that supplies the well. Measure the height of the sucker from the water, and if you find it less than 25 feet, write further details.

WM. H. DAY.

#### FERTILIZERS FOR HOE CROPS.

Would like your opinion on how to act to the best advantage in the growing of roots, corn and potatoes this coming season. Have 18 or 20 acres set apart for that purpose, and have not quite enough manure to go over all the ground.

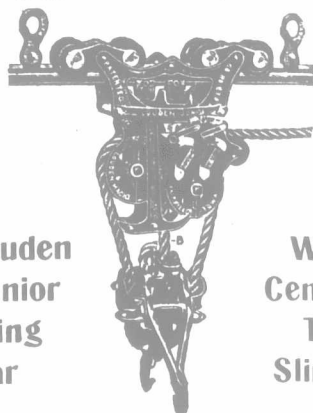
1. Would you advise the use of nitrate of soda on any of the above crops?
2. On which crop would it be most beneficial to use it, and in what quantities? I might say that part of my potato ground is an old sod on a hillside, from which I expect to get a good crop. The remainder of the land is stubble. Soil is clay loam throughout.

QUEBEC.

Ans.—The results of experiments conducted by Prof. Zavitz on the College Farm at Guelph, and under his direction by the Co-operative Experimental Union, go to show that, while it is not usually profitable to use commercial fertilizers on oats or other grain, yet they can often be profitably applied to potatoes, roots and corn. These experiments also show that a complete fertilizer—that is, one containing the three elements of nitrogen, potash and phosphoric acid—gives better and more profitable returns than when one or two only of these elements are applied. So far as money value of increased yield from the use of fertilizers is concerned, potatoes would probably be the most satisfactory crop of the three mentioned on which to apply fertilizers, with roots second, and corn third. A formula recommended for potatoes, without the addition of barnyard manure, is: Sulphate of potash, 180 lbs.; acid phosphate, 360 lbs., and nitrate of soda, 140 lbs. Where ten tons of barnyard manure were applied, the quantities might be reduced to 150 lbs. sulphate of potash, 300 lbs. acid phosphate, and 100 lbs. nitrate of soda. A full dressing for turnips would be: Muriate of potash, 140 lbs.; acid phosphate, 500 lbs.; nitrate of soda, 140 lbs. For corn, where a scant measure of manure has been available, an application of muriate of potash, 60 lbs.; acid phosphate, 200 lbs., and nitrate of soda, 60 lbs., would be beneficial. Nitrate of soda, on account of its extreme solubility, should not be applied until after the crop is above ground, and then in two or three dressings, at intervals of two weeks. The other ingredients should be mixed together, and sown on the ground as early as possible after it has been plowed, and before it has been worked fine.

### If You Have 50 Loads of Hay

this summer, would it pay you to handle them in the old-fashioned way, when a



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would enable you to mow them away in one-third or less time? Think of the saving of time and labor. We make a full line of Hay Tools, Barn-door Hangers, Litter Carriers, Stalls, etc. Write for our catalogue.

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Little Willie—Say, pa, what's the difference between a public servant and any other kind?

Pa—The difference, my son, is that the public servant tries to hold his job longer than the other kind.

