

WE are the largest manufacturers of Tread Power Machines in Canada. Our machines are the most durable and will develop more power for the same elevation than other makes. One-Horse Machine has two tracks for the rollers, Two-Horse Machine has three tracks, and Three-Horse Machine has four tracks. Thus each horse has a bearing on each side of him—roller bearings on main shaft—speed regulator when desired—special safety brake on Three-Horse Machine. Labor-saving Farm Machinery delivered freight paid. **MATTHEW MOODY & SONS, Terrebonne, Que.**



ONE-HORSE TREAD POWER with roller bearings



TWO-HORSE TREAD POWER with roller bearings



THREE-HORSE TREAD POWER with roller bearings

# The Improved U.S. Separator

## AGAIN DEMONSTRATES ITS SUPERIORITY

Read the following report by a Canadian Government Butter and Cheese Inspector of the work of the U.S. and De Laval Cream Separators at the Creamery of St. Annes de la Parade and notice the great saving of butter fat made by the U.S. over the De Laval.

To the President and Directors of the Creamery of St. Anne de la Parade :

GENTLEMEN,—At M. F. X. O. Trudel's request I came here to follow the operations of a contest between the De Laval and U.S. Cream Separators. I followed the work of these machines since the 16th and you will see the work of each as follows :

### THE DE LAVAL SEPARATOR

	Nov. 16, 1900	Nov. 19, 1900
Milk received .....	2219 lbs.	3386 lbs.
Fat in whole milk .....	4 60 p.c.	4 60 p.c.
Quantity skimmed per hour .....	3504 lbs.	3627 lbs.
Average temperature of milk .....	93 degrees	80 degrees
Average speed (rev. per minute) .....	5660	6000
Percentage of cream .....	17 35	17 35
Fat left in skim milk .....	.10 & 11 of 1 p.c.	.07 & 08 of 1 p.c.

### THE U.S. SEPARATOR

	Nov. 17, 1900	Nov. 21, 1900
Milk received .....	1177 lbs.	2775 lbs.
Fat in whole milk .....	4.60 p.c.	4.80 p.c.
Quantity skimmed per hour .....	2715 lbs.	3468 lbs.
Average temperature of milk .....	91 degrees	88 degrees
Average speed (rev. per minute) .....	8000	8025
Percentage of cream .....	21 32	17 12
Fat left in skim milk .....	.03 & 04 of 1 p.c.	.03 & 07 of 1 p.c.

### TOTAL OF EACH FOR THE TWO DAYS

	De Laval Separator	U.S. Separator
Milk received .....	5605 lbs.	3952 lbs.
Average temperature .....	87 1/4 degrees	89 degrees
Average speed .....	5825	8025
Total loss of fat .....	4 02	1 84
Loss per 100 lbs of fat .....	1 55 lb.	87 lb.
Total loss in cash .....	<u>\$1.15</u>	<u>\$0.42</u>

Sworn to before me Nov. 21, 1900

T. E. LANONETTE, T. P. ex. of C. C. Ste. Anne.

L. P. LACOURSIERE,

Government Butter and Cheese Inspector

NOTICE that the De Laval lost \$1.15 in separating 5605 lbs. of milk or ..... 205 on 1000 lbs. while the U.S. lost \$0.42 in separating 3952 lbs. of milk or only ..... 106 on 1000 lbs. by which it will be seen that the De Laval lost in actual cash nearly twice as much as the U. S.

In other words, a creamery separating 10,000 lbs. of milk a day would save in a year in butter fat alone by using the U.S. Separator \$361.35 that would be lost by using the De Laval Separator.

The President and Directors, after carefully considering the Judge's report, decided to purchase a No. 0 Improved U.S. Separator.

This is only one instance among many where the

**Improved U.S. Separator has Proved Itself to be a Cleaner Skimmer than the De Laval**

For further particulars and information write the

**VERMONT FARM MACHINE CO., Bellows Falls, Vt.**

Remember, there is no duty on Improved U.S. Separators shipped into Canada.