

RANCH AND RANGE

ISSUED EVERY WEEK

Vol. 4, No. 45

SEATTLE and SPOKANE, WASH., JANUARY 26, 1899.

\$1.00 Per Year

CARDS NOT TRUMPS.

While the U. S. Separator shows testimonial letters from the following Agricultural Experiment Stations: Iowa, Minnesota, Cornell and Massachusetts, bear in mind that the De Laval Separator is blessed with letters likewise and of a more recent date, as the following testify:

Massachusetts Agricultural College.

Amherst, Mass., Jan. 12, 1898.
"We have used a De Laval 'Baby' No. 3 separator daily in our Dairy School during the past several terms, separating from 600 lbs. to 1200 lbs. of milk at a run, and with an average speed of 5812 rev. per minute have obtained an average capacity of 682 lbs. of milk per hour, with only .026 fat in skim-milk. In one test the skim-milk contained only .01 of fat. IT HAS SEPARATED COLD MILK AT 60 DEG., WHEN OTHER MACHINES CLOGGED BADLY, with only .1 of fat left. We think very favorably indeed of the 'Alpha' machines."

F. S. COOLEY, Acting Prof. of Agriculture.

University of Minnesota Experiment Station.

St. Anthony Park, Minn., Jan. 24, 1898.
"We have now operated the different sizes of the 'Alpha' De Laval separators in our college of agriculture, school of agriculture, and experiment station for the past seven years, and in every instance they have given entire satisfaction. They all skim clean to their full rated capacity and at a wider range of temperature than is claimed for them. I do not see how it could be otherwise when the law of gravity and the distance the milk must travel in passing through the separator is taken into account. The thinner the layer of milk as it passes between the discs, and the further the milk must travel under centrifugal pressure the more exhaustive and complete the separation. It, therefore, follows that the 'Alpha' is the ideal milk separator."

T. L. HAECKER,
Professor of Dairy Husbandry.

Cornell University Experiment Station.

Ithaca, N. Y., Jan. 10, 1898.
"After another year's experience I see no reason to alter the opinion regarding the 'Alpha' De Laval separators expressed by me a year ago, which was as follows:

"Being asked to revise the summary of our Bulletin No. 39, concerning the efficiency of different systems of separation, I may say that it seems to me this is hardly necessary, as at present the centrifugal is practically the only process of cream separation, all gravity processes being mere makeshifts. One would no more think of using a gravity process where a separator could be used than he would think of buying a scythe where a mower would work.

"It has been my good fortune to observe closely the operation of a large number of separators of the various kinds in general use and my observation has led me to believe that in material, workmanship, and efficiency of separation THE 'ALPHA' DE LAVAL MACHINES EASILY RANK FIRST."

H. H. WING, Prof. of Dairy Husbandry.

Iowa Agricultural College.

Hon. James Wilson, now U.S. Secretary of Agriculture, Director until he entered President McKinley's Cabinet.

Ames, Iowa, Jan. 14, 1898.
"We have used one of the De Laval 'Baby' separators WITH ENTIRELY SATISFACTORY RESULTS, and I am convinced that the Dairy separator is a valuable machine and may be profitably used on farms where a moderate number of cows are milked."

C. F. CURTISS, Director.

In addition to these we have conclusive evidence that while the U. S. Separator may have a few "cards" the Alpha has the "trumps" in the shape of flattering letters from every experiment station in the country, also from all over the world.

We regret that the exponents of the "triple current bowl" have opened their "milk faucet" of abuse and are slinging their "separator slime" at us. We still think however that their arguments are "wobbly" and also that "running hot in their bearings" as they are, a little "oil" of Pullman demonstration might put them clean "out of balance."

Columbia Implement Company

Agricultural Implements, Creamery and Dairy Machinery and Supplies.

New Market Block, 13 to 27 First St.

P. O. DRAWER 26 : : : PORTLAND, ORE.