

## FARM SEPARATOR SYSTEM.

We have received the annual report of the Osage Co-op. Cr. Co., of Osage Iowa, operated upon the gathered cream plan. Farm separators are very largely used by the patrons, with the results that the cost to the farmers of hauling their butter, producing and manufacturing it, is extremely low; a very great difference between what it costs in the sections where the amount of milk is not large and hauling expensive. The general cost of hauling and making is figured at about from 6c to 10 cents per pound of butter in the milk of the farms. In the case of the Osage factory it is less than two cents per pound. This difference in the income of the farmers for their milk will be the best inducement for them to do the milking rather than allow the calves to do it for them.

The total receipts for the year were \$61,931.10; total disbursements, \$61,698.72; of which amount \$55,606.75 was paid net to the patrons. The number of pounds of butter sold, 360,237, for which the patrons received an average net price per pound of 15.34 as against 14.37 received by them for the past year. The cost of gathering the cream, manufacturing the butter and placing it on cars, per pound, for '98 was 1.71; for '97 1.86. The high prices that the farmers received net indicates the quality of goods produced. This, together with the exceedingly low price to the farmers for manufacturing, delivering and handling, would indicate that not only is the creamery prosperous, but that the farmers themselves can see some great benefit in dairying.

The statement of the Osage Creamery emphasizes very strongly the position that the *Elgin Dairy Report* has held, that the gathered cream factory, with the use of farm separators, will do more to upbuild the dairy industry than any other one idea.—*Elgin Dairy Report*.

## PIERCE COUNTY NOTES.

A. W. Steward fruit and stock ranch is located at the junction of Stuck and and Tacoma road. Mr. Steward has a fine herd of Jersey yearlings, which he prides very highly. He is milking 18 head of cows and shipping to Sumner creamery. His fine orchard looks very healthy and the young fruit is in good condition. The Wealthy, Alexander and Russett trees are well loaded. The cherries, Black Republicans and Royal Annes, have not been affected by the frost as some in other parts of the valley.

The Cole farm is located at Sumner, and is in charge of B. E. Baker, who is milking 35 cows. Having a separator, they make butter. Mrs. Jennie Cole, who is interested in the farm, has 250 hens at her home and 200 on the farm, and takes her eggs each week to Tacoma. Mrs. Cole takes great delight in her chickens.

RANCHER.

## SHEARING BY MACHINE.

Interest in sheep shearing machinery is growing apace. The latest development in this line is the new portable power machine plant of the Chicago Flexible Shaft Co., which is simply 10 of their newest power machines mounted upon a low, broad platform on wheels, the machines handily placed in rows of five each on either side of the platform and driven by a

gasoline engine at a trifling cost. The wagon is nicely covered with a canvas awning for the protection of the shearers and machinery, and the outfit as a whole is not only the novelty of the period in sheep shearing circles, but the most thoroughly practical and widely adaptable of anything in the sheep shearing line yet produced in this or any other country. In fact, it is revolutionary in conception as it will be in practice, for it will not only displace the big local shearing plants at the great stations, by traveling from band to band and ranch to ranch, shearing the flocks as it goes, but like the threshing machine, it will invade the sheep districts of the old agricultural states, shearing the sheep at the rate of a thousand a day, until whole counties are cleaned up. The work is so nicely done the hand shearer hasn't a ghost of a show in competition with it. It will revolutionize shearing on the range and on the farm. It is unique, practical, perfect, complete and taking. The first complete plant of this kind caught the quick eye and keen practical sense of Montigue Stevens, one of the most progressive ranchmen of the southwest, who drew his check for its value and proudly sent it to his New Mexico ranch. Think of a traveling outfit of 10 machines and 10 shearers rolling across the country from county to county, state to state, and ranch to ranch, clipping as it goes large flocks and small, leaving every sheep as smoothly and prettily shorn as if he had come from the hands of the molder, not a bruise or cut on him and his owner happy! That's what the new portable machine will be doing in a score of states next year, dear reader, and you and I will look on and wonder.—*American Sheepbreeder*.

"Last spring we had lost eight head of yearlings from blackleg, and our usual losses are about 6 per cent. We treated 300 calves and yearlings with Pasteur blackleg vaccine and have had no losses since. Judging from our experiences with blackleg, Pasteur vaccine saved us about \$600. Therefore, we can recommend it."—Duling Bros., Garfield, Whitman Co., Wash., Jan. 22, 1899.

### The Blair Business College

Prepares young men and women for business. Our faculty is composed of specialists in their line. Our school is modern and full of enthusiasm.

SEND FOR CATALOGUE.

H. C. BLAIR, Principal  
Cor. First Ave. and Post St., Spokane.

## Trees!

We have our own nursery and sell you trees that we guarantee to be  
**FREE FROM DISEASE AND TRUE TO NAME.**  
Nursery, 423 East Union; seed store and packing grounds, 1123 Second avenue.

Puget Sound Nursery & Seed Co.,  
C. N. Sandahl, Mgr., Seattle.

## Bicycles

Don't send East for your Guns and Bicycles when you can get them cheaper at home. A good, fully guaranteed bicycle for \$25. Write for price of anything you may need in my line.

E. A. KIMBALL

Wholesale and Retail Dealer in  
Guns and Bicycles.

TACOMA, WASHINGTON

When writing advertisers always  
mention *Ranch and Range*.

# DAIRYMEN:

BUY A MIKADO SEPARATOR AND SHIP US YOUR CREAM; WE WILL SELL YOU ONE ON VERY EASY PAYMENTS. YOU NEED PAY NOTHING DOWN BUT TAKE SO MUCH OUT OF YOUR CREAM EVERY MONTH UNTIL PAID. CALL AND INVESTIGATE, OR WRITE US FOR INFORMATION—THIS IS THE BEST SEPARATOR MADE.

JOHN B. AGEN,

Seattle, Wash.



## J. W. DeCamp & Co

WANTS YOUR

# Butter EGGS POULTRY

QUICK RELIABLE SALES.

We are in the market to buy Cream, also Ranch Butter. If you have anything in these lines let us hear from you.

REFERENCES: The Puget Sound National Bank, Schwabacher Bros. & Co.

909 Western Ave., Seattle, Wash.

## GEO. F. KIENSTRA

Manufacturer of

### CLOVER LEAF BUTTER

### Gilt Edge Montesano Creamery Butter

Jobber of

### Butter, Cheese and Eggs

I am prepared to fill all orders promptly to Merchants and Dealers of Southwest Washington for all grades of Butter, Cheese, Eggs, Milk and Commercial Cream in quantities from the Montesano Creamery. Write to

GEO. F. KIENSTRA

Telephone 24: P. O. Box 194.

MONTESANO, WASH.

FOR CLOVER LEAF

P. O. Box 472

Telephone Main 172

SEATTLE, WASH.

FOR GILT EDGE

P. O. Box 194

Telephone 24

MONTESANO.

# Eagle Dairy Co.

Exporters of Dairy Products

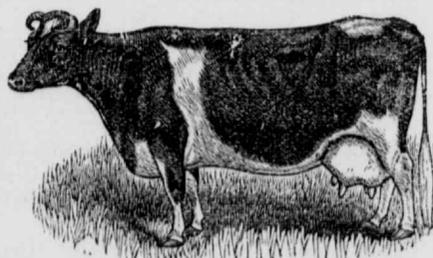
913 Railroad Avenue,

SEATTLE, WASH.

We Buy and

Pay Cash for

## GOOD RANCH BUTTER



## CREAM AND MILK

Shippers of Butter who desire top prices, write us.