

## COYOTE PROOF FENCE PROTECTS SHEEP

WASHINGTON, July 25.—The enclosure of a sheep ranch with in a coyote-proof fence has been tried in Colorado by F. H. Taylor, of Mancos, with highly satisfactory results. An experiment begun by U. S. Department of Agriculture on the Wallowa National Forest, in Oregon, to discover whether sheep could be advantageously pastured within such an enclosure, led Mr. Taylor to give the new method a trial. The outcome is set forth in a letter to the Department, as follows:

"After reading the description of your coyote-proof fence in Oregon, I constructed a fence to enclose about 500 acres in the same manner. The fence was constructed during the fall of 1908, and in the spring of 1909 and 1910 1000 head of ewes were lambled in this enclosure. One lamb to each ewe was saved, and one man did all the work. I think the per cent of the lambs would have been higher but one animal, presumably a coyote was inside when the fence was constructed. It was impossible to capture this animal even with hounds. Some of the herders thought the animal was not a coyote, but since coyote tracks were found in several places I am of the opinion that it was. Whatever the animal was it raised its young inside the enclosure."

Connecting his loss with the rapacity of this animal, Mr. Taylor says:

"A great many of the lambs were killed and a small hound behind the foreleg. The remainder of the carcass was untouched. On the land outside of the enclosure it required the service of three men and a pack of hounds to care for 1000 ewes, and only 95 per cent of the lambs were saved. This per cent could not have been saved without the assistance of the hounds."

"I consider this fence a splendid investment since it pays for itself in three years. On the other hand, it is often difficult and sometimes impossible to get men during the lambing season. For this reason the money value of the fence can hardly be estimated."

The Department of Agriculture

ture entered upon the experiment of enclosing sheep ranches within a fence which would turn stock-destroying animals, in the belief that this method would save forage as well as stock and wages. This belief has been fully justified by the results.

The Oregon enclosure carried more sheep than an equal area ranch of the same quality outside, produced a heavier lamb crop, heavier sheep, and more wool, and at the same time resulted in a better condition of the ranch itself. These advantages are due to the different behavior of sheep pastured within such an enclosure from that of sheep herded in the ordinary way.

When a band of sheep move about in charge of a herder, it must be kept from scattering much. As a result much of the forage is wasted through tramping. Within an enclosure, however, the sheep soon learn to spread out and shift for themselves. Under these conditions it is not to be wondered at that a given area supports more sheep, puts them in better condition, and suffers less wear and tear. The success of the new method, however, depends on the extermination of all dangerous animals within the enclosure, and on the maintenance of a fence which will keep off outside attacks.

Mr. Taylor believes that the Wallowa plan of construction is open to improvement in one particular. He advocates placing a barbed wire on the ground before the woven wire is unrolled, and stapling it down. "I expect to build another enclosure soon," his letter concludes, "and will have a barbed wire stretched around the enclosure and have the men place their foot on the wire and press it close to the ground and staple it. With the fence already constructed it seemed almost impossible to get the wire as close to the ground as is necessary on account of the uneven surface."

## BLACKSMITHING HORSESHOEING General Repairing

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THOS. H. MADDON  
Madras, Oregon

## MAKING BUTTER IN HOT WEATHER.

According to a well known dairyman, buttermaking on the farm in hot weather has always been difficult, and the same holds true in most of the creameries. Heat injures the grain or body of the butter directly and the flavor indirectly.

Butter with poor body and poor flavor is displeasing and unprofitable. A good body can be secured at any time of the year if the temperature of the cream is low enough. Ice will take care of that. If ice is not used, well or spring water will answer the purpose if cool enough.

A few farmers have cellars so clean and cool that churning can be done successfully all summer. Those who churn on the ground floor can do vastly better work by churning early in the morning. The early morning air has almost magic gifts in this respect.

### Avoiding a Bad Flavor.

But how avoid a bad flavor? More than 200 different kinds of germs have been found in milk by scientists. Most of them are harmless; some are beneficial. But even the helpful germs, the lactic acid germs, will spoil the cream if given time enough. Ripe cream makes delicious butter, but when overripe has a nauseous flavor. The secret of the whole matter is to churn before it becomes overripe.

There are three practices that have been proved helpful: First, churn early and often, so that fermentation will not have time to progress too far; second, hold the cream cold enough to retard souring; third, skim a rich cream with as little milk in it as possible. It is the milk serum, not the butter fat, which is food for the germs.

### Working in the Dairy House.

A dairy house is needed and a cement floor. If built of hollow cement blocks, all the better. A small gasoline engine will run the separator and the churn and pump water. Turn the separator screw so as to skim a thick cream. Set the can of cream in a tank of cold water in the dairy house, this water being kept fresh and cold by the engine and the overflow running out for stock use.

Twice a week take the cream cans out of the tank, mix the cream thoroughly and let it warm up. At night set it back in the cold water tank and early next morning churn it. This method will work successfully. In a large dairy churning can be done every day, and ripening rats and combined churning are in order.

If you have not a good cellar for ice or cold water, making good butter in hot weather is out of the question. Do not try. Failure is sure. Get the conveniences. The essential conveniences are few and simple, as mentioned above. Get them and become master of the situation.

### Treating Horses' Corns.

For corns in horses the only remedy is to protect the affected spot from the pressure of the shoe. Frequent shoeing, with careful paring away of the hardened hoof or corn, so that this particular region will not receive any more of the weight bearing than is absolutely unavoidable, is the point to be aimed at. In addition to this, the hoof should be kept as soft as practicable by applications of moisture to the whole foot. It is seldom that a complete cure is obtained, but with care little inconvenience will result from ordinary corns.

### Feeding Separator Milk.

A farmer living in Minnesota says that many of his neighbors who have been feeding separator milk to their calves have found that the milk formed gas in the stomachs of the animals and caused trouble. As a remedy they use a teaspoonful of baking soda or saleratus to each pail of milk, and the calves do well on it. This is worth knowing.

### Shelter Hogs From Hot Sun.

Every hog pasture ought to have an open shed on a high point of ground for shelter from the hot sun. Leave all sides open, so that the air can pass over them.

## HORSE NOTES

### Sponge the Horse Well.

Sponging a horse's eyes, face and nose three or four times a day during hot weather is refreshing and very beneficial.

### Be Careful With Water.

It is much better to give a horse a small quantity of water when he comes hot from the field and an hour later give him all he can drink.

### Use Box Stalls if Possible.

Always use box stalls whenever practicable. A horse tied in a narrow stall is never quite comfortable and is in more or less danger of being cast.

### Handle Horses With Care.

Since their value depends to such a great extent upon their disposition good horses at least should be handled by those who know how to do it.

### Train Colt Carefully.

While a colt may naturally be a good walker or a good trotter, yet it requires careful training to develop either of these special gifts to the best advantage.

### Don't Harness a Green Colt.

It is a shame to put a green colt in harness and work him until he has a sore on his shoulders or anywhere else. It takes months to heal such a thing up; then it is liable to break out upon a slight amount of labor.

# If You Buy

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Make your selections now before prices are advanced.

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AT TOWNSITE COMPANY'S OFFICE

## M. E. Thompson Co

**HOMESTEAD.** Notice for Publication. Department of the Interior, U. S. Land Office at The Dalles, Oregon, June 24, 1910.

Notice is hereby given that Asa Clark, of Madras, Oregon, who, on July 6, 1906, made Homestead, (serial No. 03955) No 15255, for Lot 2, 3 and sec 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 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