

DAIRY FACTS

SURE RETURNS FOR FARMERS

Bull Associations Now in Successful Operation in 21 States—More Milk Produced.

(Prepared by the United States Department of Agriculture.)

"A bull association would be a paying enterprise for our county, but the farmers here simply won't pull together on any proposition."

This is the usual answer a representative from the United States department of agriculture gets when he goes into a new community and asks the individual farmers about the feasibility of organizing a bull association. But 55 bull associations have been organized in 21 states and are successfully operating. A specialist from the dairy division recently returned from a two months' trip in Kansas, Oklahoma, Georgia, Louisiana, Tennessee and Mississippi. In those states he



Only Purebred Sires of Known Breeding Value Should Be Used in Bull Associations.

assisted in the initial steps for the organization of 14 more bull associations.

The first bull association was organized in Michigan in 1908. Since then 20 other states have taken up this work. Not a single farmer has ever lost a dollar by belonging. Better bulls are obtained for less money. Better dairy offspring results. More milk is produced for the same money. The investment for the individual farmer is small and the returns are sure.

FEEDING CORN OR MOLASSES

Both Are Rich in Heat-Producing Elements and Relatively Low in Protein.

Corn and molasses are about the same in composition. Both are rich in carbohydrates, or heat-producing elements and relatively low in protein. Molasses is not quite as valuable as a feed as corn, but when the price of corn is \$35 or \$40 per ton, as it is in some places, and molasses \$25 or \$30, the latter is cheaper feed. The dairy cow may be fed three to five pounds of molasses daily. More than this tends to lessen the digestibility of the other feeds in the ration. Molasses is very palatable to the animal and will always produce a sleek coat when fed. It can often be used to make unpalatable roughage most toothsome. There is difficulty always in feeding molasses. It may be put in the drinking water or diluted slightly with water and sprinkled on the roughage or the grain portion of the ration.

The Herald prints letter heads.
The Herald prints calling cards.

WATCH WINTER FEED OF COW

Very Easy to Have Grain Ration So High That It Won't Pay for Itself in Milk.

The feeding of cows for milk will need to be watched more closely than ever this winter. With cows such as they run, it is very easy to have the grain ration so high that it will not pay for itself in milk or cream. A very successful eastern dairyman feeds his cows only alfalfa hay and silage with a very little meal, limiting the silage to 25 pounds a day to the cow and 20 pounds a day to the heifer, thus getting them to eat more alfalfa. He admits that dairymen feeding grain will beat him in amount of milk produced, but says that his business is turned at a greater profit. Doubtless true—and he is also putting all his cows into advanced registry.

BETTER BREEDING BIG HELP

Most Economical Way Furnished to Obtain Large-Producing Cows—Use Best Heifers.

(Prepared by the United States Department of Agriculture.)

In dairying large production and profit go hand in hand. Breeding furnishes the most economical way to obtain large-producing cows. The purebred bull, with generations of high-producing ancestors back of him, must be used for breeding, and only the best heifers from the best cows should be chosen to be the dams of the next generation.

WANT ADS.

For Sale—Team of mares, weight about 2700 lbs. Good workers. With or without harness. F. L. Jewett, Hermiston. 22tc

For Sale—1 Mandy Lee incubator. See Ed. Graham, Phone 581, Hermiston. 23tc

160 acres Yellow Pine timber in Central Oregon, certified cruise 3,350,000 feet; will exchange for good land near Hermiston. R. O. Horning. 22tc

For Sale—Big type Duroc-Jersey hogs. Geo. H. Root. 49tc

Wanted—Your subscription for The American Boy, \$2 per year. Ed. H. Graham. 1tc

Fire Insurance, Notary Public and typewriting and stenographic work. See Edie M. Johnson at Dodd's office. 3tc

Wanted—Your subscription for The Saturday Evening Post, \$2.00; The Ladies Home Journal, \$1.75; The Country Gentleman, \$1.00. Ed. H. Graham, Hermiston, Ore. 35tc

Spices and Extracts for the Housewife—in fact everything in the Watkins line. Mail your orders, or call at my home, one door east of Tum-a-Lum lumber yard in Hermiston, Ore., and make your selections. W. A. Mikesell. 11tc

Chiquita Chimes, No. 371,177, made average of 34 pounds of butter per month, official test, as heifer. This cow has just dropped her third calf, a heifer. She is a splendid individual with good blood lines in her pedigree. Cow with calf, which is sired by Rosaire's Lad of Hermiston, for sale. May be seen at my place in east city limits of Hermiston. J. W. Campbell. 22tc

Wanted—To dispose of the following used cars at a sacrifice: Ford Touring, 1917 model, \$300; Studebaker Six, seven passenger car \$550. Hermiston Auto Co. 22tc

Lumber ready cut for all kinds of irrigation boxes. See Correll. 15tc

AUCTIONEER—I will cry sales anywhere in the country. Personal property a specialty. Write me for dates and terms or call at Herald office. Give me a trial. G. L. Bennett, Hermiston, Oregon. 16tc

Ten acre tract close in for sale cheap. Liberty bonds accepted. Box 104, Glasgow, Mont. 20-7tp

For Sale—Big Type Duroc Jersey boar, farrowed June 1, 1919; can be registered. Inquire of F. N. Whitney, or phone 181. 17-tfc

For Sale—Splendid team with harness; 25 h. p. Avery tractor or 16 h. p. portable engine; four incubators, different sizes; 500 lb Sharpless separator. C. W. LeBarre. 23tc

Eggs for Hatching—White Leghorn, Oregon and Oak Park strains, 90c per doz. F. M. Guiwits. 23-2tc

For Sale—75 good locust fence posts. Call 251. 23tc

Fire Insurance in three strong companies. See Edie M. Johnson at Dodd's office. 3tc

Pruning and grafting by the reliable and experienced J. A. Rowan. Drop him a card. Grafting a specialty. Satisfaction guaranteed. 21tc

Ford car in good condition for sale cheap. Inquire at this office or see Harry Kelley. 17tc

New house for sale—Part cash, balance easy payments—like rent. No commission, no bonus. See Correll. 15tc

For Sale—17 1/2 acres joining Columbia school and Columbia Park; ten acres in alfalfa. Finest location in east end of project. Call on or write A. R. Fisher, Hermiston, Ore. 19tc

For Sale—Cream separator, capacity 750 lbs, practically new; also 1 top buggy. O. O. Felthouse. 18tc

See Bennett for auctioneering. 16tc

For Sale—20 acres in Columbia District, partly improved and cleared, 3 room house and barn; also team, harness and colt. Paul Miller, Hermiston. 19tc

For Schweizer's Imported high grade exclusive dress materials and embroideries for spring and summer see Mrs. Burgess. 22tc

For Sale—My home ranch—best improved ten acres on the project. Alfalfa and fruit of all kinds. J. J. Casserly. 22tc

Wanted—Good renter, with help, for 60 acres alfalfa—some grain. Will sell equipment. J. J. Casserly. 22tc

For Sale—A quantity of cedar drop boxes and turnout boxes; can be bought for what lumber in them is worth; all ready made up. H. E. Hanby. 22tc

Do you want a good second hand car cheap? If you do it will be worth your while to see the Hermiston Auto Co. 22tc

Wanted—To demonstrate to the skeptical the merits of the new Overland Four. Hermiston Auto Co. 22tc

For Rent—Will rent large 35-ton hay press by the ton for entire season 1920. Machine nearly new. Sappers' Inc. 22tc

For Sale—White Wyandotte cock \$5. White Leghorn cockerels \$2.50. Wm. F. Hoskins, Stanfield. 22-4tc

DIAMOND QUALITY SEEDS

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for growers of the Northwest, listing our complete lines of Seeds, Trees, Plants, Fertilizers, Poultry and Bee Supplies, Sprays and Sprayers, Dairy Supplies, and Equipment.

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LODGE DIRECTORY
QUEEN ESTHER CHAPTER No. 101, O. E. S., meets second Tuesday evening of each month at 8:00 sharp in Mack's hall. Visiting members welcome. Emma S. Johnson, W. M. Kathryn L. Garner, Sec.

HERMISTON LODGE NO. 138, A. F. & A. M., meets in Masonic Hall on First Tuesday evening of each month. Visiting brethren welcome. C. W. Kellogg, Secy. A. W. Prann, W. M.

VINEYARD LODGE NO. 206, I. O. O. F., meets each Monday evening in Odd Fellows hall. Visiting members cordially invited. W. R. Longhorn, Sec. W. S. Cassidy, N. G.