

FARM STOCK

ACTUAL COST OF SHEEP CARE

Hard to Figure in Dollars and Cents Labor Required—Much Depends on Equipment.

The actual value in dollars and cents of the labor required in the care of a flock of sheep and lambs for any given period is hard to figure. Much depends on one's equipment and its adaptability to sheep. The value of the manure must be taken into consideration, as also must the use of farm work during the month just before pasture comes in.

Summer pasture for sheep is worth about 25 cents per head per month. Two lambs are considered to average the equal of one sheep during the pasture season. One-fifth of the wool and one-fifth of the lambs would be reasonable pay for the care of the flock



Fine for Wool and Mutton.

and its pasture. The portion of the wool paying for the shearing and care for the month preceding pasture. With five-sixths of the ewes rearing twins we have 183 per cent increase. That is a very good lamb crop and a fifth of them will pay for summer pasture of the flock.

COLTS PAY FOR HORSE WORK

Fine Points of Farm Management Illustrated by South Dakota Farmer—Uses Mares.

(By W. A. OSTRANDER, South Dakota State College.)

A farmer in Splink county, South Dakota, was shown last spring that he should get his horse work done cheaper in order to make his farm pay better. So he sold two geldings, aged seven years old, for \$450, and bought two mares of about the same age and quality for \$425, which raised two colts. On analyzing his business, we found that his horse work cost him practically nothing for 1916. The colts paid the bill. This fact is convincing his neighbors that there is something in the finer points of farm management.

GOOD AND INFERIOR HORSES

Careful Consideration Should Be Given to Sires at Present Time—Difference in Price.

There has never been a time when the sires to which mares are to be bred should be more carefully considered than the present year. The last five years have seen a gradually increasing difference between the price of good and of inferior horses. During the last year those horses and mules which were good enough to do some job well have found ready sale, while others have been a drug on the market, and have lost money for the men who produced them.

PROPER EXERCISE FOR BULL

Keep Him in Separate Paddock Where He Will Always Be Under Control, Is Safe Plan.

When you have made your purchase of a good baby beef sire, don't keep him shut up without exercise, and by all means do not underfeed him. More bulls are spoiled by underfeeding and lack of exercise than by overfeeding, but in seeking to have your bull get plenty of exercise don't let him run with the cows. Keep him in a separate paddock where you will always have him under proper control. It's the safe and the economical plan to follow.

CORRECT COLLAR FOR HORSE

Styles Are Created Mostly by Use of Different Materials—Metal Is Not Much Used.

The styles of horse collars are created mostly by the use of different kinds of materials in their construction. Such materials as heavy duck, ticking and leather are used either alone or in various combinations. All-metal collars may also be bought, but are not so much used.

OREGON NEWS NOTES OF GENERAL INTEREST

Principal Events of the Week Briefly Sketched for Information of Our Readers.

The adjourned annual meeting of the Grand Commandery of Oregon of the Masonic Order will be held in Salem December 2.

With a loss estimated at more than \$30,000, the flour mills at Pilot Rock were burned early Friday by a fire that started from unknown causes.

Benton county held its first annual corn show last week at Corvallis under the direction of the county farm bureau, with County Agent Kabel in charge.

The assessed valuation of Clackamas county's property is \$23,573,515, exclusive of the property of public service corporations. The increase amounts to \$243,076.

Oregon was the only state in the western division to attain its quota of 150 per cent in the united war work drive, according to State Director Orlando W. Davidson.

Victor J. McCone, formerly secretary for the state socialist party, was drowned at Portland when he drove his automobile off the approach to the Sellwood ferry into the Willamette river.

The residents of Evans Creek valley in the north end of Jackson county, have voted to incorporate the entire valley into an irrigation district, and an early survey will be made of the project.

A statement issued by the Treasury department shows that in total sales of war savings and thrift stamps to November 1, Oregon stands sixth in rank in sales per capita and also sixth for the month of October.

Domestic use of powdered sugar, for some time past restricted solely to commercial manufacturing and baking, is now permitted, according to official advice received by W. B. Ayer, food administrator for Oregon.

The state text book commission will make its selection for books for schools of the state next June, the selections to continue for another six years. Under the law the commission selects these books each six years.

Extension schools in dairying, which will cover the subjects of breeding and feeding dairy cattle, will be held in Ontario, Malheur county, and at Halfway and North Powder, Union county, the first week in December.

In a complete check made on wood ships building in the United States a statement from Washington shows that of 243 hulls launched up to October 31, the Oregon district was first, with 67, and of 92 ships completed Oregon led with 26.

Present and prospective removal of soldiers from the mills and logging camps is already creating a labor shortage on Coos bay and W. J. Rust, government agent, declared there was a call for between 300 and 400 men for mills and camps.

Only two fatal accidents are included in the 538 reported to the industrial accident commission for the week ending November 21, inclusive. These were F. Auterson, shipbuilder, Portland; Henry Fromong, terminal facility worker, Portland.

Dr. Marie Equi, a woman physician and member of the Industrial Workers of the World, was found guilty at Portland of violating the espionage act by referring contemptuously to American soldiers and by other alleged objectionable remarks in the I. W. W. hall.

Three entrances for fish coming up the Willamette river are now in existence at the Oregon City fishways, according to R. E. Clanton, general superintendent of state hatcheries. This improvement will treble propagation of spawn in the Willamette river, it is thought.

Saturday, December 7, was set as Fire Prevention day and the week of December 2-7 as Fire Prevention week for Portland by the committee in charge. The original day, October 9, was delayed until November 2 and then again delayed by the influenza epidemic.

So excellent is the fuel situation in Oregon that dealers are complaining because there is so little demand for their stock on hand and mines are complaining because the dealers are putting in so few orders, according to Fred J. Holmes, federal fuel administrator for Oregon.

Plans for re-establishing a steamboat line on the Willamette river between Salem and Portland were discussed at a meeting held in Salem, when C. K. Spaulding of the Spaulding Logging company and Captain Exson of Woodburn made proposals for financing the enterprise.

Early risers at Baker recently were treated to the sight of one of the well known capitalists of the city out with a bucket of hot water and a scrubbing brush trying to efface the bright yellow paint with which his house had been bespattered, owing to his refusal to help support the united war work drive.

Warden Murphy's resignation as warden of the state penitentiary was received by Governor Withycombe Saturday, effective as of December 16, in line with the request of the governor. It is understood that ex-Sheriff Robert L. Stevens, of Multnomah county, will be on hand to take over the office by that date.

Deputy United States Marshal Frank Tichenor arrested Charles Zimmerman, C. E. Morris and O. W. Morris, of Powers, on bench warrants issued in the federal court at Portland. The men were apprehended in connection with ownership of an illicit still located several months ago in a cave near Powers by secret service men.

The public service commission has made an order increasing fares on the interurban electric lines running out of Portland, and recommended a reduction in service, so as to give the relief sought to meet the increased cost of labor and material. The order applies to the lines running to Bull Run, Casadero, Montavilla and Troutdale.

Plans are being completed for the collection of lady bugs to be scattered in grain and dairy lands of Oregon and Washington infected by plant lice. Great caches have been located from the Crater National forest to the Olympic mountains. One lady bug will eat about 200 plant lice a day. County agricultural agents will make the distribution.

Within the next 60 days the entire equipment of the spruce production division—timber, mills, logging railroads and a wealth of other material—will be advertised for bids and sold to the highest bidder. Estimates on the value of the property place it at approximately \$10,000,000. Demobilization of the spruce division will begin within a fortnight.

The sale of \$200,000 of the \$590,000 issue of bonds, recently approved by the capital issues committee at Washington, D. C., was authorized at a meeting of the state highway commission in Portland. The commission also adopted resolutions requesting county courts to make known what improvements they are desirous of making within their respective counties.

With reports on hand from substantially all of the farmers in the county, County Agent Shrock's figures show that the Umatilla county grain crop for the past year was 3,452,819 bushels and that there were slightly more than 204,000 acres of grain in bearing. The season was a hard one on the light land farmers, but the yield from other sections of the county made a fair balance.

Under the direction of County Agent Gregory a systematic warfare has started at Dallas for the extermination of gophers and moles. The campaign is being carried on by the school children and already encouraging reports reach the county agent's office. The contest ends Christmas week and at that time prize money amounting to \$35 will be distributed to the winners of the contest.

The Astoria chamber of commerce appealed to the public service commission to take action to prevent the North Bank railroad from carrying into effect its order reducing train service between Astoria and Fort Stevens, and between Astoria and Portland. As that railroad is under government control, the commission advised the Astoria chamber that it has no jurisdiction.

Umatilla county's annual irrigation and drainage congress this year will be held in the west end of the county. Two towns will share the honor of hosts. At Hermiston two days will be devoted to the consideration of subjects relating to irrigation problems. The sessions there will be held December 16 and 17. On December 18 and 19 the farmers will meet at Stanfield to discuss drainage subjects.

The policy of State Engineer Percy A. Cupper, who has been appointed to succeed John H. Lewis, will be to cultivate the present tendency toward closer relation with the waterusers of the state so that the interests of the public as well as of the individual wateruser may be served. Mr. Cupper so declared upon receiving from Governor Withycombe certificate of appointment formally making him state engineer.

Eight counties of the state have met their quotas in the purchase of war savings stamps, Henry E. Reed, associate state director, has announced. The last compilations, as of October 31, show Clatsop in the lead, with a record of 139 per cent. Jackson ranks second, with purchases aggregating 123.8 per cent. The six other banner counties, with their percentages, are: Sherman, 114; Wheeler, 111; Coos, 108; Tillamook, 103; Baker, 102; Lincoln, 100.

Five separate irrigation projects are now being organized in Baker county by Henry E. Tweed, county agricultural agent, of Baker. The county agent is cooperating with the state engineer in having the following projects organized under the Oregon irrigation district law: Sparta irrigation district, 14,000 acres; Bridgeport-Durkee irrigation district, 6000 acres; North Fork irrigation district, 4000 acres; Unity irrigation district, 8000 acres; Medical Springs irrigation district, 4500 acres.



RIGHT MANAGEMENT OF COLT

Practical Suggestions for Feeding and Care During Early Life—How to Promote Growth.

(From the United States Department of Agriculture.)

Colts should be housed in dry, sanitary quarters, which give fairly warm protection from winds. Where several of the animals are kept together it is important to make provision for the weaker ones and see that they are not driven away from their feed by the stronger animals.

The quarters should be kept clean and well bedded and occasionally should be disinfected. Lice are to be suspected when the animals get to rubbing and lose patches of hair. Thorough washing with the proper solutions of coal-tar disinfectants will kill lice. It costs money to feed lice, consequently efforts should be made to keep them down. The foals should be out in the open every day that is not stormy; it is harmful, however, for them to remain out in a cold rain. The foal should be taught to lead and to stand tied during the first winter.

Feeds that will promote growth should be supplied. Good, clean clover hay is palatable and slightly laxative. Timothy hay commonly is fed. Well-cured alfalfa hay free from dust is one of the best roughages for growing, but because of its relatively high protein content it generally is economical to supplement it with other roughage such as timothy, mixed hay, or corn fodder. Besides lending variety to the ration such a method of feeding alfalfa would offset any likelihood of kidney or bowel irregularities. Sheaf oats can be used to advantage to supplement other roughage. The animals should not be allowed to gorge themselves on dry feed. They should be given only what they will clean up readily, but at the same time enough feed should be supplied. Oats, corn, and peas, preferably fed ground, are suitable grains. Bran, oil meal, or gluten feed will add protein and lend variety. Cottonseed meal should not be fed to foals. Appropriate grain ra-



A Standard Bred at a Government Remount Station.

tions for the first winter are: Two parts corn, five parts oats, three parts bran, and one part oil meal; or four parts oats, one part corn, and one part bran.

Slage should not be fed to foals to any considerable extent. Sliced roots, such as carrots and sugar beets, are very palatable and have a cooling effect on the digestive system. The quantity of feed generally should be regulated by the appetite, although occasionally the appetite may be too ravenous to be a good indication. The general condition of the colt and the droppings should be observed daily. Usually not over one pound of grain per 100 pounds of live weight should be fed until the animal is two years old. A liberal supply of salt and good water and plenty of fresh air and exercise are essential for the proper development of young horses. Idleness succeeding exercise will cause constipation. It is often said that a horse is made during his first winter. Certainly this is a critical time in the animal's life, and at no other age will proper feed and attention do so much to make of him a good horse. If stunted during the first winter he never will gain proper size and shape.

Foals should be changed from dry feed to pasture gradually and should not be turned on pasture until the grass is old enough not to become washy. Grass is an indispensable factor in the economical and proper physiological development of young horses.

During the second winter the feed and management should be nearly the same as for the first winter, except that the quantity of feed should be increased somewhat, the colt tied up in his stall, and handled frequently. Education by gentle and careful but firm handling at this age will save later much strenuous labor.

The succeeding years are largely a repetition of those already discussed so far as feed and management are concerned, although the quantity of feed must be gradually increased as the animal grows. The prime general essentials for the proper development of horses from the yearling stage, until they are put to work are: Fresh air, pure water, plenty of exercise, nutritious, palatable feed in sufficient quantity, and shelter from storms.

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812284
NOTICE FOR PUBLICATION
Department of the Interior, U. S. Land Office at The Dalles, Oregon, November 11, 1916.
NOTICE is hereby given that NORMAN A. JENSEN of Held, Oregon, who, on May 18, 1914, made Homestead Entry No. 612284, for SE 1/4 SW 1/4 Section 28, E 1/2 W 1/4, N 1/2 SE 1/4 NW 1/4 SW 1/4 Section 28, Township 18 South, Range 30 East Willamette Meridian, has filed notice of intention to make Final Three Year Proof to establish claim to the land above described, before Charles A. Sherman, U. S. Commissioner, at The Dalles, Oregon, on the 24th day of December, 1916.
Claimant names as witnesses:
Mrs. C. A. Simons, Mr. C. A. Simons, Alex Ammons, all of Held, and Bert Demaris of Barnes.
H. FRANK WOODCOCK, Register
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