OREGON COUNTRY LIFE

BETTER FARMING

amook, Or., a two-day cheese production contest was neld. In the test were three

Guernseys, three Holsteins and two Jer-

seys. The average of all cows on the

test showed that the Guernseys produced

enough milk to make 13.83 pounds of cheese each valued at \$6.076; the Holsteins 13.12 pounds of cheese each; val-

ued at \$5.843, and the Jerseys 12.95 pounds

of cheese each, valued at \$5.70. The highest producing cow in the test was Janis Sequoia 104315, owned by Howard

Edmunds of Tillamook, Or. Her produc-tion for the two days was 90.4 pounds of milk and 4.775 pounds of fat. This cow was also awarded grand champion-ship on confirmation in the judging at

.W. D. Pine, county agricultural agent was superintendent of the contest. Own

ers of cows in the test were H. R. Ed-

nig, Rollie Watson, Alois Weber and Ira

RAIL SHUATION IS OF VITAL INTEREST TO FARMER CLASS

By R. C. Stewart nding strike is today occupying alto the farmer than any one else that an efficient and continuous system of transbuilt up upon the presumption that pres-ent framsportation facilities would be maintained and in time beter systems in-stalled. Is it any wonder then that a general nation-wide depression should when transportation rates are to a figure which makes it imfor which they were destined?

BLAME OTHER PELLOW Today we have a beautiful merry Everyone blames the other

The rise in transportation rates has not meant a corresponding increase in profits to the railroads. For with the higher rates, farm commodities ceased to move to distant markets, Citrus fruits went to waste in Florida and California. Hay and many other commodities all over the country have been wasted for simple reason that it was cheape to leave the crop unharvested than it was to transport it at a loss. This has all caused shortages, which in turn meant a higher price to the consumers. included among them being the railroad

Everyone has stool a loss in the recent depression and the demand of the labor unions that the railroads make a decrease in rates corresponding to a de CAUGHT BOTH WAYS

The farmer, paying as he does, trans-ortation costs both ways, for he must pay the freight rates on what he sells as hit of anyone. He is naturally anxious that some adjustment be made to lower the cost of transportation. The railroads are trying to defend their position by several means. They are even carrya large campaign of advertising to justify themselves in the eyes

No one realizes better than the farmer that the very cost of this advertising es not from the railroad but from from the shipper, and the farmer is the principal shipper of the country. High freight rates may be due in part to high wage scales. But in the writer's opinion, it is more nearly the direct result of inefficient management, paralellng of rival roads and the failure to in-RIGHTS ARE SEIZED

Rights of ways were gained and tracks were built by railroad promoters not for

Tet, the railroads are demanding that they be allowed a fair rate of interest upon the increased valuation of their properties, even before the country has hardly started to develop along their immense trackage. The railroad companies and the railroad employes must remember that avery raise in rate and every wool and mutton, while the Corriedale wool and mutton, while the Corriedale

ber that every raise in rate and every delay to service is gradually but surely losing for them their business.

While they are holding up rates and fighting over wage scales, other systems of transportation are rapidly being developed. With railroads losing business right along to motor vehicle and water transportation, it will not be long until their tonnage will be so depleted that some of the railroads will have to go out of business. This in turn will eliminate the positions held by the union men.

The farmer is vitally interested in the success of the railroads.

Fifteen Carloads Of Prunes Packed In Day, by Plant

Walla Walla, Wash., Oct. 22.—With a perfected system of packing, an output of 15 carloads of prunes a day may easily be handled by one medium-sized packing house. The prunes are packed in "suit cases," holding about 20 pounds; "tin tops" or "baskets," running about six pounds to the basket and 24 to the crate, and "lugs," which also hold about 24 pounds. The suitcases are placed on a moving belt and are packed through one side with the fresh fruit as they pass along the belt. When they reach the other end of the

When they reach the other end of the table they are nailed, then moving on down the belt and into the car.

The packing of "lugs" and "tin tops" is a slower process. The lugs are lined with paper and filled with loose prunes and then faced by hand. Each box must be weighed before and after filling. In the "lug" method of packing, each prune is packed in the paper lined basket in such a manner that the end of the paper will cover the last layer in the basket. Several packers in the valley market their own fruit, among them H. W. Hurst of Milton, Or., who has estab-lished a warehouse on his 40 acre or-onard.

WARREN FARMERS MEET
Warren, Oct. 22.—County Agent Holobaugh held a successful meeting of farmers of Warren recently. Nearly 100 were present and a plan was adopted for overcoming many of the difficulties affecting the farmer. An extensive crop raising program will be extensive crop raising program will be closely followed in the future, under the direction of Holobaugh.

PRIZE WINNERS AT RECENT STATE FAIR



Neals are newcomers to Oregon, but are old-time Jersey breeders, and are proving to be consistent win in the show ring as well as breeders of high producing Jerseys.

Four distinct lines of investigational Fruit Exposition work are being carried on by the United States department of agriculture at the sheep experiment station near Dubois, Idaho. The purposes of these breeding

experiments are: The breeding of the heavy-shearing type of Rambouillet sheep with a de-

sirable mutton form. A study of the different types of crossbred sheep for the purpose of producing the type best suited to the Western ranges. A comparative study of different

methods of utilizing range land for sheep raising, and different methods of supplying water on dry ranges. production of crops on arid lands that may be utilized

SOO SHEEP IN FLOCK The Rambouillet flock consists of 800 an individual grower, for which 200 feet animals. Efforts are being made to of free space is allowed, will be given intensify the most desired characterintensity the most desired characteristics, such as smooth, desirable mutton
form and body free from wrinkles except about the neck, a face open and
free from wool blindness, and a light
shrinking, bright and long staple fleece.
The crossbred type of sheep is gaining
in popularity on the Western ranges,
because the away shear heavy fleeces.

the profits they would make in the first because the ewes shear heavy fleeces few years of operation, but in order to and produce lambs that mature earlier be able to hold these right of ways until than fine wool lambs. Two principal country had been developed to a types of crossbreds are being studied—the country had been developed to a types of crossbreds are being studied—the Corriedale, using as the foundation stock individuals that were imported from New Zealand in 1914, and the

> wool and mutten, while the Corriedale has produced wool somewhat superior in character. The Corriedale has proved its general adaptability to Western ranges, but the Columbia has evidenced signs of greater robustness and larger size, Lambs of the Columbia breed size. Lambs of the Columbia breed weigh heavier at weaning time than the Corriedale lambs. The department sheep experts believe there are advantages in both these breeds of sheep that might possibly be combined by crossing them. Such experiments are now in progress, and the early results indicate gratifying returns from these crossbreeding activities.

Cow Makes Splendid Test Over 10 Years

made an average of over 12,000 pounds of milk and 700 pounds of buttarfat per year. She has given enough milk to supply 20 children with a quart of milk daily for 10 years. Sophic has also contributed enough to the farm business to register \$10,000 in the cash sate of her products either way that it may be figured, milk or butter, and she has also contributed several times this also contributed as a several times this also of the size of their new foundry to care for the greatly increased number of orders which they are receiving for their pressure cooking and canning outfits.

Pressure cookers are saving the house-tough meats or vegetables in one-third of the normal time. Hanninger & also contributed several times this also contributed several times this amount in the value of her progeny. Her owner, C. I. Wood of Lowell, Mass., has been a leader in Jersey cattle breeding and testing for over 30 years and was one of the successful exhibitors at the World's fair at St. Louis in 1904.

Farmers Will Hear Experts of College

Goldendale, Wash., Oct. 22.—Agricul-tural extension work will be exploited to farmers in the Troutlake valley in Western Klickitat county at Troutlake, Wash., October 24 and 25, by experts

Be on safe side, store coal giving best service. Edlefsen's, Bdwy. 70.—Adv.

HEREFORDS

Consignments from the Northwest Hereford Cattle Breeders' Association offer a worthwhile selection of breed-ing matrons, young herd sires and RANGE BULLS.

There never was a better time

Catalogues malled on request R. P. BANES, Sales Munager Box 85, Portland, Oregon

How Many Pies? Colfax, Wash., Oct. 22. - County Agricultural Agent C. A. Lodge has on exhibition in the window of his office a pumpkin which weighs 97 It was grown by S. W.

Premiums Listed; No Entrance Fees

Seattle, Wash.. Oct. 15.—The present of the Pacific Northwest Fruit exposition to be held at the Bell street soils."

Data are now available on Data are now available on the pacific November 21 to 26. is ready for distribution among the fruit growers of Washington, Oregon munity display, the first prize is \$1000 and a gold banner; second prize, \$500 and a silver banner; third, \$100 and a silver cup; fourth, \$100 and silver cup; fifth, \$100, and a suitable trophy. For this class of exhibits will be allowed 400 square feet of free space. Entries have closed. The best display by

In the one, five and ten-box apple contests, the entries close November 10. The one-box prizes are \$3, \$2 and \$1. The five-box prizes are \$15, \$10 and \$5: In this contest prizes are provided for 28 varieties of apples in all. Plats exhibits of apples, with entries to close November 19, draw prizes of \$2 and \$1. There are single box and plate contests for 12 varieties of pears, with prizes ranging from \$3 to 50 cents. Prizes are also offered for other kinds of fruits, and for nuts, evaporated fruits, home processed fruits and cran-

No shiry fee is charged for any com-petitive fruit display, large or small. The Exposition building will be open for receipt of exhibits on November 14, one week before the show opens. But fruits intended for exhibit may be forwarded prior to that time, but on due notice to the management, and will be properly cared for.

Pressure Cannery Plant Enlarged to Meet Gaining Trade

A good many housewives in the Northwest have wondered where the pressure to the point where production is no longer and cockers that they have seen demonstrated and perhaps have purchased, were made. Hanniger & Ayres Manufacturing company have recently found it necessary to build a new plant to care for their growing business. Alto care for their growing business. Sophie 19th of Hood Farm has com-pleted a 10 years' test wherein she has crease in the size of their new foundry

> Ayres manufacture and sell a complet line of canning equipment, including the double seamer for sealing tin cans Their output goes largely to canneries and housewives in the Northwest.

WOULD JOIN WOOL MEN to affiliate with the Oregon Wool and Mohair Growers' Cooperative association and a number of these men have joined recently. Failure to market their wools for a two-year period and approval of the association's method of grading and orderly marketing have induced them to combine with the Oregon association.

Perfection Milkers Reduced to Pre-War Prices



The J. C. ROBINSON COMPANY 53 FIRST ST. POETLAND, OR

VENTURE SUCCESS

Sunnyslope began raising grain hay in 1913 on waste land above his orchard. This year he has harvested a 20 bushel

This year he has harvested a 20 bushed crop from 285 acres.

Hensel says: "The extremely low price of apples in 1912, when every grower in the valley lost money and some lost their homes, caused me to study on some plan for diversifying. So I got hold of some dry land above the orchards and began raising grain hav When 1814 came along which was

the orchards and began raising grain hay. When 1914 came along, which was just as bad for the fruit growers as 1912, I was selling grain hay all winter and that sure did help some.

"Since then I have added a little each year to my dry land farm until it now consists of more than a section, of which about 400 acrey are tiliable. The price paid was from \$10 to \$15 per acre.

"I had 285 acres in wheat this year, Eighty-four acres of volunteer averaged 171/2 bushels. The seeded grain was a

better. "I keep a herd of Jersey cattle, som of them thoroughbreds, and raise milch cows to sell. I have 10 to 15 cows to

sell each year. Then I keep thorough-bred Poland China hogs and ship pigs all over the country. It is my aim to keep the best of stock."

This wheat land of Hensel's takes little of his attention. He owns a 23 acre apple orchard and this year ex-pects to take off 10.000 boxes. However, ditch is built it will pass through this dry farm. Hensel will then find him-self the owner of 250 to 300 acres of po-

Oregon Agricultural College, Corval- Device Designed to is, Oct. 22.—That rotation and manure Pull 7 or 8 Acres have proved their worth under Western Of Flax Each Day suits from this year's work on the col-lege experimental farm, according to W. L. Powers, chief of soils.

Oregon conditions is shown by the re-

doubled the net profit.

CORN GAINS THREE TONS

INCREASED AND REDUCED

Holstein Cattle

"Rotation pays big," says Professor owers. "Supplemental irrigation pays on naturally drained and free working tured by the Multnomah Iron works. This is really an attachment for a regulation binder and was invented by Joseph A. Bartoss of Salem. It has in and irrigation covering 13 years of experimental work. Manure, rotation and irrigation records have been kept for seven years. These experimental plots place of the cycle bar a series of rubbe rollers working in pairs and so con-structed that as the machine moves are the oldest on the college experi-mental farm showing the cumulative efperied of years. Potatoes show marked increases in by a chain gear puller, the flax then being straightened out and laid back yield, the plots receiving six acre inches of water yielding 228 bushels, a gain of 108 bushels over the dry plots, which gave 125 bushels per acre. Irrigation

same manner as any other grain. This With corn a gain of three tons per per day, and it is claimed that it will acre resulted from the application of take the place of 35 hand pullers.

Improved machines of this type will improved machines of this type will ncrease of two tons per acre. The 13 go a long ways towards making flax rear average gain from irrigation on raising more economical. There is a this crop was 2.1 tons per acre.

Beans, alsike clover and barley have been grown in rotation seven years in successful flax puller. The inventor of successful flax puller. The inventor of this new machine expects to be able to secure this much sought after award. Toledo council has decided. The council an all-purpose sheep.

Pine Valley Road Work Progressing

comparison with beans grown continuously, both dry farmed nad irrigated. The irrigated series included manured and unmanured plots. The continuous cropping plot yielded five bushels of beans the seventh year, returning 72c less than sost of production, while the irrigated and continuously cropped plets gave an increase of 2.94 bushels, and a net profit of \$5 ever cost of production. Beans, both irrigated and rotated, yielded 17½ bushels, with a profit of \$33.32 per acre, while irrigated, rotated and manured beans yielded 18½ bushels, making a net profit of \$37.12 per acre. Rotation and manure pays under rainfall farming, but pays better with supplemental irrigation. Haifway, Oct. 22.—Farmers and business men of this locality are doing a large amount of volunteer rand work in Pine valley this fall. The road from Pine to Halfway was graded for about a mile and a half and a heavy coat of gravel laid. The estimated cost, had gravel laid. The estimated cost, had the work been paid for, is about \$2000. Another piece of road south to Pine was graded and graveled. This work will connect Halfway with the Baker-Cornucopla Post road. A third stretch on Dry Creek is being graded approximately than miles. Rotation and manure increased the yield per acre-inch of water used and reduced the water requirement per pound of dry matter one third.

In the beginning of the trials the plots yielded the same amount, 10 to 12 bushels. Now the continuously cropped plots have decreased in productiveness to the point where production is no longer profitable. It is supposed that this is partly due to the exhaustion of the particular fertility elements used three miles.

Blackberry Canners Pay Out Large Sum

this is partly due to the exhaustion of the particular fertility elements used by the crop, partly to the increase of natural enemies, and partly to the toxicity developed in the soil by continuous cropping to beans.

Holstein Cattle

Sale Is Proposed

Chehalis, Wash., Oct. 22—A sale of Holstein cattle will be held on the fair grounds between Chehalis and Centralia, on December 9. Stapley Butchart, secretary of the Washington State Holstein

Remains a partly due to the exhaustion of the company has partly approximately 13,500 for this year's crop. The Stockwell ranch owners, near Montesano, received \$600 for evergreen wild blackberries ploked in a cow pasture, Between August 25 and October 10 approximately 13,400 cases of blackberries were canned by the company. An early frost destroyed a good many berries, while early rains affected the vines in some localities. Packers received from \$3 to \$7 a day.

CORN TIELD PROVITABLE

Ridgefield, Wash., Oct. 22.—Walter A.

CORN TIELD PROFITABLE
Ridgefield, Wash., Oct. 22,—Walter A.
Stevenson this season sold about \$150 worth of corn from three acres. The
variety was Stowe's Evergreen. The retary of the Washington State Holstein association, will select the animals to be sold. There will be some local stock consigned to the sale, but most of the stock will come from the northern part Stevenson ranch is just east of Ridge-of the state.

Don't Write-Come

Golden Glow Jerseys

AT AUCTION

MARION, OREGON, OCT. 25, 1921

32 Head R. of M. Cows, Heifers and Bulls

The offering consists of fearteen females and seven built offered by Pickard Bros. and ten females from the Iron Mine Farm (W. M. Ladd, owner; D. Brooks Hogan manager). Among the lot are grandsughters and a daughter of Golden Glow's Chief; daughters, grandsughters and grandsons of Old Man's Darling 2d, 983.68 pounds fat, world's record junior 4-year-old; also grand champion Oregon State Fair, 1916; grandsughters and grandsons of Vive La France, 1038 pounds, the world's greatest dairy cow and grand champion at Pacific International, 1915; daughters, grandsughters and grandsons of Lady Silken Glow, 882 pounds fat, and now on test and promises over 1000 pounds.

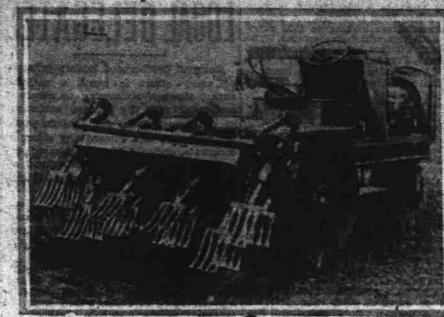
THE SALE WILL-BE HEGD ON THE PICEARD PARM, NEAR MARION, OREGON, RASILY REACHED BY TRAIN OR AUTO, LUNCH WILL BE SERVED AT 11:00 A. M. AND SALE STARTS IMMEDIATELY THEREAFTER. SALE HELD UNDER COVER-COME.

PICKARD BROS. . Maries, Or. Owners.

E. A. RHOTEN, Salem, Or. . Sale Manager

COL. J. W. BUGHES, Forest Grave, Or. | Auctioneers

SPADES THREE ACRES AN HOUR



This spading tractor, invented by Axel Killadere and S. A. Elkehorn of Stockholm, is now being taken up to America. It spades three acres an hour, 16 inches deep, using one gallon of kerosene an hour.

As the ewes come off of summer rang it is a good time to cult them. Sort or or injured teats, also all "gut those with spread teeth such that it will he hard for them to stand the winter With sheep prices low this is a good time to pay attention to general conformation in culting and thus build up an attractive uniform flock. Select ewes having strong, straight backs and good coverings of wool.

Now that the mushroom season is coming on the department of botany ad-rises caution in choosing the edible spe-les. A circular describing the edible and poisonous sorts found in Oregon

greater satisfaction to the user next year if the machine is cleaned thor-oughly, now that the spraying season is over. Flush out the tank and pump with clean water and then put some light ubricating oil in the valves to keep off which will include grinding the valves adjusting the bearings, and replacing all worn or broken parts. If new hose is needed it should be listed now and purchased in early spring in order to get fresh rubber, if possible.—O. A. C. Experiment Station.

tion of denying cows the right to run at grade wool and is marketable in a few large in Toledo is to be put before the months. The mutton is said to be of people at the December election, the the highest quality, which makes of it

accepted a 10-year lighting franchise offered by the Washington-Idaho Water, Light & Power company, which calls for 39 street lights at approximately \$57 per month.

New Barn in Clarke

Ridgefield, Wash., Oct. 15 .- A big dairy barn is being constructed on the large about one mile north of Ridgefield along the Northern Pacific Railway company's right of way. The structure is 112 feet long, 38 feet in width and has a height of 43 feet. The barn will require about 60,000 feet of lumber and \$5,000 shingles and will hold about 150 tons of hay and 50 head of cattle. The barn will represent an investment of about \$8500 and will be one of the largest of its kind in this part of Clarke county Contractor Arthur Bottemiller has

Rambioulett Rams

Ashland, Oct. 22 .- Fred Herrin, presiient of the Wool Growers' association shipped in some fine Rambioulett rams from Woodlands, Cal., this month. Herrin has one of the largest ranches in Southern Oregon. His cross breeding of the Corriedale and Rambioulett is re-Chehalic, Wash., Oct. 22.-The ques- sulting in a sheep which yields a high

COUNTY AGENTS MEET

Many years of usefulness will be and is comprised of 700 acres, mostly added to the spray outfit together with lowland, ideal dairy pasture.

Brought to Oregon

Janis Sequola has been entered for the Pacific International Livestock exposition and will compete for the purple ribbons here.

Chehalis, Wash, Oct. 22.—A conference was held here Friday of county agriculturists of Southwest Washington.
R. G. Fowler, Lewis county agricultur-Will Cost \$3500 ist, had charge. The following countles were represented: Mason, Thurston, were represented: Mason, Thurston, Grays Harbor, Cowlitz, Pacific and

Jaxophones Martin



The Martin Cornets. Trumpets, Saxophones, and everything for the

MELODY "C" SAXOPHONE JOHNSON PIANO CO.

Are you coming to the PACIFIC INTERNATIONAL LIVE STOCK EXPOSITION? Portland, Nov. 5-12

VOU can't afford to miss the 1921 Show. You'll see the leaders in their classes! Beef and Dairy Cattle, Horses, Swine, Sheep and Goats. Finest individuals of all breeds. Not a better show anywhere! Plan now to come and bring the family.

Brilliant Horse Shows 5 Nights-3 Matinees

Most brilliant horse show in West-afternoon and evening performances. Four and six-in-hands, tandem, and long jumping events, the colorful drills of the Portland Hunt Club, vie for attention.

Western Dairy Products Show

One of the most interesting and vital features of the Exposition. Large exhibits of butter, cheese, milk and cream. Entries from as far east as Pennsylvania.

Poultry and Rabbit Show 2000 Birds-800 Rabbits

This year the Western Winter Poultry and Pet Stock Show is held in conjuction with the Pacific International. Big display of pedigreed males, trappested females and laying pens \$2,500 in premiums.

The Biggest Show of the Season!



Auction Sales Daily Beefand Dairy Breeds

A spendid appertunity to purchase foundation stock from the best he in the West.

Come to the 1921 Show!

FARE AND ONE-HALF ON ALL RAILROADS



Largest live stock show in America - 10 acres under one roof. A non-profit organization by public spirited men to build ue the West