

AGRICULTURE AND LIVESTOCK NEWS

Up-to-date Information to Help Develop Progressive Farming

STATE COLLEGE AT FAIR MAKES UNUSUAL EXHIBIT

Students of agriculture, the home, trades and industries, Oregon farmers and home-makers and military men and florists, find an appeal in the four groups of exhibits staged at the Oregon State Fair by the agricultural college. These groups show student and military training, the latest and most helpful findings of the experiment station as to crops, livestock and poultry, horticulture and farm plans in Oregon, and economic floral design.

Campus training in agriculture, home economics, commerce, mining, forestry, pharmacy and vocational education, are graphically represented in the educational pavilion. Brilliant transparencies show the observer the principal activities as they are carried out by student and staff. Information booths will supply literature and offer consultation to those in search of information.

The station in four large booths shows what farm crops to grow and which to sell alone in various parts of Oregon, soil fertility, moisture and management, farm plans and land clearing by new burner method, growing and caring for fruit, including new economic prune drying, and classes, types and breeds of farm animals and poultry, with feeds and management for improved stock and profits.

How the country's soldiers live in war and in peace camps, means and arms of attack and defense, sanitary living in training and field camps, modern army transportation and other important military features are shown in the military display.

The floral arts exhibit shows some methods of making the best use of the flower friends and presents suggestions to practical florists in the conduct of their business.

The entire exhibit is by far the most complete and helpful ever staged by the college.

Concrete Tank For Liquid Manure
A 2000-gallon concrete tank has been built and arranged to catch all the liquid manure from the dairy barn on the E. W. Van Tassel Ayrshire farm at Wenatchee, Wash. The concrete gutters are extended through the barn lot and join at a point near the pit.

A pitcher pump is used to pump the liquid into a 200-gallon tank, which is hauled on a truck to the orchard and the manure sprinkled on the soil. Mr. Van Tassel estimates that this form of manure is worth about \$7 a load, based on the fact that all solid manure from the dairy herd is sold readily at \$3 a ton at the farm. There is a waiting list of orchardists who want the manure and much more could be sold if it could be supplied.

For his own orchard Mr. Van Tassel used an alfalfa cover crop, which is disked under every spring for a mulch. With this plan there is little use for the solid manure when the liquid can be supplied in large enough quantities to fertilize the crop.

How To Avoid Colds And Roup
The cold nights will soon be here. With them will come colds and roup in the poultry flock, unless prompt measures are taken to prevent them. In about nine cases out of ten these troubles come from lack of fresh air in the poultry house or coop. The chickens will not take cold just because the weather is cold. They are more likely to take it when they are too closely crowded together in a small coop with little ventilation. They become overheated at night and when the cold air strikes them in the morning they catch cold. Give them an open shed to roost in and spread the perches not less than eighteen inches apart. With plenty of fresh air, which is only secured in an open-front house with wide-apart roosts, the flock will suffer little or none from colds and roup. The fresh air treatment is the only sure preventative or cure.

**BUFFALO HERDS INCREASING
ON FEDERAL GAME PRESERVES**
Forty-six new buffalo calves are reported on three of the four game preserves maintained by the Biological Survey of the United States Department of Agriculture for the special protection of buffalo. On the National Bison Range, in Montana, there are 417 buffalo, including 28 calves born this spring. Fifteen calves are reported at the Wind Cave preserve in South Dakota, and three at Niobrara, Nebr.

The department has been very fortunate in maintaining the herds established at these three points and at Sullys Hill, N. Dak. There are relatively few large buffalo herds now scattered over the country, and the Biological Survey has made special efforts to provide suitable ranges and protection for what threatened a few years ago to become extinct species of native American animal.

Fall Breeding of Mares

There appear to be many good reasons for breeding brood mares in the fall in preference to the spring season. Farmers who have their cows bred for fall calves will find that many of the advantages in favor of this practice will also apply to the breeding of brood mares.

In a recent statement, George R. Rothwell, of the Canadian Department of Agriculture, points out that a mare bred for fall foaling will be available for more work in the busy season; that foals will be stronger at birth and will get a better start, and that the older foals will survive their first summer better than those produced in the spring. The disadvantages of fall breeding are that in some cases a stallion is not available, and that occasionally a mare will be found almost impossible to breed out of the spring season.

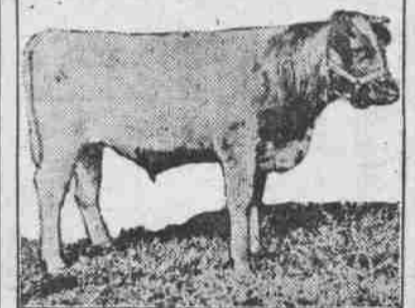
PLAN FOR IMPROVING STOCK Progressive Firm of Butchers in Ohio Hit on Novel Scheme to Build Up Quality.

(Prepared by the United States Department of Agriculture.)
Recognizing that live-stock improvement is beneficial to the meat trade as well as to producers of animals, butchers are becoming interested in the better-sires idea. A progressive firm of butchers in a small Ohio city seeks to better the live stock of that locality by a plan described in the following letter to the United States Department of Agriculture:

"While we have never made a business of dealing in purebred live stock," says the writer, "we have always encouraged their use. We try to keep a line on well-bred young bulls in our vicinity, and whenever we buy an animal for slaughter we use our best efforts to have him replaced with something better. We believe this plan will help to build up the quality of cattle in the neighborhood, to the advantage of both ourselves and the farmers.

"When we kill an animal that has an exceptionally good 'dress' we display the carcass in our window, giving on a card the age, live weight, dressed weight and the percentage of dressed meat. In this way we advertise to producers that they get more live weight and we get more dressed weight from well-bred stock than from inferior stock of the same age. We have demonstrated also the superiority of veal calves from well-bred parents, and have shown that they mean more to the farmer in dollars and cents than the other kind."

In commenting on the plan, live-stock specialists in the bureau of animal industry point out that small-butcher firms are in a position to help



First Cross Shorthorn Steer Obtained by Using a Purebred Sire With a Common Cow.

In influencing the quality of future generations of cattle and hogs that come to their cutting blocks. The plan as presented by the firm of butchers quoted is in accord with methods of live-stock improvement advised by the department.

MARKET HOME GROWN FEEDS

Farmer Should Determine Number of Head of Cattle to Keep by Available Feed.

The number of live stock which a farmer feeds on his farm should be determined by the amount of home grown feeds which he has on hand, and the price which he can get for these feeds if sold on the market. As a general rule live stock will market home grown feeds at a profit if the live stock is given a square deal; but it is out of the question to expect scrub stock to be economical users of feeds.

Dill Pickles

For each gallon of cucumbers prepare three sticks of dill, a handful of peach and grape leaves each. Place a layer of dill and leaves in bottom of stone jar, then two layers of cucumbers; continue this until the jar is full, sprinkle a cup of salt on top, and fill jar with cold water; weight down until the pickles are covered with the brine.

Corn Flake Cookies

Four egg whites beaten stiff; one cup granulated sugar, one cup nut meats (walnut), one cup coconut, three cups corn flakes. Drop from spoon on buttered sheet and bake. Mrs. Geo. Seeback.

Cucumber Soup

A soup which was a great favorite of the ancient Greeks. Peel four large cucumbers, slice them and remove seeds; fry with one ounce of butter, add salt, pepper, a blade of mace, one pint hot milk and one quart white stock. Cook one and a half hours. Thicken with flour and butter and press thru sieve.

EXPOSITION WOULD BENEFIT ALL OREGON

"California's most rapid growth was from 1910 to 1920, and we believe we can cite this as being partially attained, at least, by the Panama-Pacific exposition," says Guy E. Leonard, secretary of the Fresno chamber of commerce, in a letter received at the Oregon 1924 exposition headquarters, telling of the great benefits the entire state of California received from the 1915 exposition.

The subject is of especial interest at this time, as Oregon is in line to reap similar benefits from the 1925 exposition, which is to be an Oregon exposition, and not one for Portland or any other one section of the state. The entire state is to vote on November 7, on the proposition to give Portland authority to tax itself for financing the exposition.

In the course of his letter, Mr. Leonard says: "There were a number of very definite benefits derived from that exposition," referring to the Panama-Pacific exposition, which was used most extensively to advertise to the world the resources of California. Among the benefits he names "the publicity that attended it, publicity that extended to every corner of the United States and that was worth in itself the price of the exposition. Of even greater benefit was the result of this publicity, when thousands of eastern visitors came to California."

"Oregon can achieve results in state development as gratifying as those which have come to California, if the entire state maintains a united spirit," declares Mayor George L. Baker of Portland, who is head of the committee conducting the campaign for the amendment to be voted on in November. "We must all get together and work for Oregon as California has for California. This state has the attractions for tourists, who can be drawn here by the thousands; it has agricultural, commercial and industrial opportunities and resources, the same as California. It takes only some big movement such as the 1925 exposition to start the ball rolling."

Canby Bus in Limelight

Suit has been filed in the circuit court by J. H. Cam for the cancelling of a sale of the Canby stage line to him, in February, 1922. The sale was

made by M. J. Lee, who, with George D. Rose, holder of a part purchase note, are defendants. Cam claims the route was represented to him as worth \$25 a day.

THE PRAISE CONTINUES

Everywhere We Hear Good Reports of Doan's Kidney Pills. Oregon City is no exception. Every section of the U. S. resounds with praise of Doan's Kidney Pills. Fifty thousand persons are giving testimony in their home newspapers. The sincerity of these witnesses, the fact that they live so near, is the best proof of the merit of Doan's. Here's an Oregon City case.

C. W. Bagby, contractor and builder, 203 17th St., says: "I know the value of Doan's Kidney Pills and gladly recommend them. My kidneys troubled me and often I had a weak and aching back which made it hard for me to stoop. My kidneys didn't act right, but Doan's Kidney Pills from the Huntley Drug Co. soon fixed me in good shape by strengthening my back and kidneys."

Price 60c, at all dealers. Don't simply ask for a kidney remedy—get Doan's Kidney Pills—the same that Mr. Bagby had, Foster-Milburn Co., Mfrs., Buffalo, N. Y.

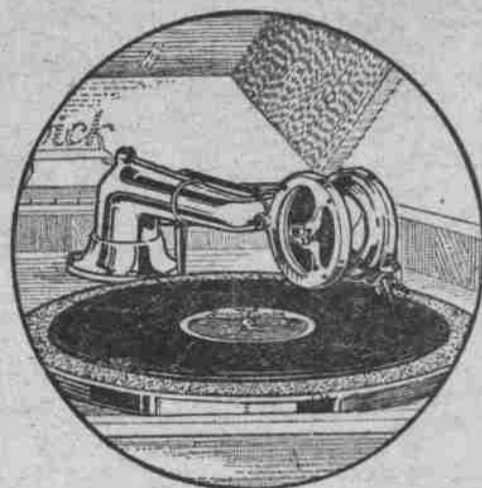
citizens of the United States, associations of such citizens and corporations organized under the laws of the United States or any state, territory, or district thereof only. Upon application of a qualified purchaser, the timber on any legal subdivision will be offered separately before being included in any offer of a larger unit.

T. 4 N., R. 3 W., Sec. 17, SW 1/4 NW 1/4, yellow fir 1200 M., red fir 700 M., bastard fir 300 M., red cedar 130 M., hemlock 160 M., NW 1/4 SW 1/4, yellow fir 700 M., bastard fir 275 M., red cedar 680 M., hemlock 75 M., SW 1/4 SW 1/4, yellow fir 985 M., red fir 430 M., bastard fir 450 M., red cedar 220 M., white fir 90 M., hemlock 200 M., none of the red, yellow and bastard fir to be sold for less than \$3.00 per M., none of the red cedar timber to be sold for less than \$2.00 per M., and none of the white fir and hemlock timber to be

NE 1/4 NE 1/4, red fir 1200 M., SE 1/4 NE 1/4, red fir 1650 M., SW 1/4 NE 1/4, red fir 2100 M., red cedar 110 M., hemlock 75 M., NW 1/4 SE 1/4, red fir 1150 M., SE 1/4 SE 1/4, red fir 1500 M., red cedar 50 M., hemlock 50 M., SW 1/4 SE 1/4, red fir 525 M., red cedar 25 M., none of the red fir timber to be sold for less than \$2.50 per M., none of the red cedar timber to be sold for less than \$1.50 per M., and none of the hemlock timber to be sold for less than \$1.00 per M. T. 4 S., R. 2 E., Sec. 5, NW 1/4 SW 1/4, red fir 665 M., none of the red fir timber to be sold for less than \$1.50 per M. T. 2 S., R. 5 W., Sec. 29, NE 1/4 NE 1/4, red fir 1400 M., none of the red fir timber to be sold for less than \$1.50 per M.

WM. SPRY, Commissioner, General Land Office, (9-28-22)

Another Secret of the BRUNSWICK



THE BRUNSWICK "ULTONA"

—Just a twist of the wrist enables the Brunswick owner to play ANY record that is made. There are no exceptions. We want you to see this "ULTONA" reproducer—and wonder, as we have, why no one had ever thought of it before.

—the "ULTONA" plays every record with the right needle—steel, fibre, sapphire or diamond—they are all there.

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—This exclusive feature, together with the acoustically perfect amplifier or tone chamber—built of wood on the violin principle—not only enables the Brunswick owner to choose his music from all the world's great libraries, but to actually PLAY them ALL BETTER.

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Why be Without One?

JONES DRUG CO.

Bridge Corner - - - - - Oregon City

RECIPES

Contributions to this column are invited

Make Your Own Soap

If rinds are salty put in warm water for 24 hours. To each five and a half pounds of rinds and cracklings use one can of lye in one quart of water and be sure to let it cool, then add it to the rinds with two and a half or three quarts more of cold water. Let this mixture stand ten days, or three weeks will not matter, but stir occasionally. Place in a kettle and boil from one to two hours until it drops like syrup from the paddle.

Ten minutes before removing from the fire add three tablespoons of kerosene; this will make the soap lather, and four tablespoons of salt will make

I Have Sold Out
all Hardware and have a
New Stock of
Workingmen's Clothing, Shoes, Gloves,
Pants, Shirts, Underwear, just in
My shoe machinery is set up and ready for the same high-class of shoe repairing as before the fire.

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ANNOUNCEMENT

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A Timely Display of New Stocks of
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That Will Prove to Be of Special Interest to Women Who Take Pride in Making Their Own Comforters. Here Are the Most-Desirable Materials in Dependable Qualities, Pleasing Styles and the Most Moderate Prices. Be Sure to Profit by This Opportunity.

Challis at 19c
36-inch Challis in an extensive variety of pretty styles in both light and dark colors.

Cretonnes at 25c
36-inch Cretonnes in pretty flowered styles especially adapted for comfort coverings.

Silkolines at 25c
Both plain and fancy styles in a large variety of patterns and shades.

Flowered and Figured Sateens at 50c Yard
36-inch fabrics in a wide range of styles in attractive flowered and figured effects in medium dark colorings. One of the most popular and most satisfactory materials for comfort coverings.

One-Piece 3-Pound Fine White Cotton Batts at \$1.50
One-Piece 3-Pound Stitched or Plain Cotton Batts at \$1.25
One-Pound White Cotton Batts a, each 40c and 50c
1-lb. Wool Batts, \$1.50—2-lb. Wool Batts, \$3.00—3-lb. Wool Batts, \$4.50

NEW FALL STOCKS BOYS' THINGS

With School Days Close Upon Us It Is Time to Replenish the Boy's Wardrobe—Our New Fall Stock Offers Splendid Selection From Styles and Qualities Most Dependable and Satisfactory.

BOYS' BLOUSE WAISTS AT \$1.00, \$1.25 and \$1.50
Regulation styles of splendid wearing fast color materials in light and dark colored patterns

ALL WOOL SWEATERS AT \$3.50, \$5.00, \$5.50, \$6.00
The popular slip-on styles in fine all wool SW eaters for boys and youths—all sizes

BOYS' REGULATION SHIRTS AT \$1.00, \$1.50, \$1.75, \$2.00
The good fitting, sturdy sort in regulation styles, well made of fine Percale, Madras, Chambray and Khaki—all sizes.

KNIT JAZZ CAPS, 35c—WOOL CAPS AT \$1.00 and \$1.50

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Vacuum Packed

Fruit of all Kinds FOR CANNING
Jars and Jar Trimmings

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are a large factor in successful poultry farming. Our prices compare very favorably with pre-war times.

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