

SACK bucket which saves a lot of work is this one, on the Osborne Brothers place, Tulelake.



Western States Confab On Potatoes Due Here

Representatives from the departments of agriculture of probably a half dozen Western states are slated to gather in Klamath Falls this weekend in an annual meeting to iron out produce shipping problems among the various states.

The meeting has been held here annually because of Klamath Falls' central location since shortly after the war.

Among noted agriculturalists coming here will be California Director of Agriculture E. A. Brock, federal supervisor of Shipping Point Inspectors W. L. Close and Frank McKennon, chief of Oregon's division of plant industry.

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Poult Trouble Due in Winter

Wet weather days ahead spell trouble for many poultrymen. Tulelake Farm Advisor Ken Baggett, has advised that the deep litter program should have some prompt attention.

1. Litter should be built up from 12 to 16 inches for best results.
 2. Take out the caked litter that usually occurs around the feeders and waterers.
 3. Keep the litter stirred and separated.
 4. Ventilate the house so as to drive the moisture out.
- The job of ventilation is a most important one because if the litter is kept reasonably dry, it eliminates most of the other work that is ordinarily taken to maintain a good deep litter program. Ventilators in the top of the building, cross ventilation from side, front and back, and under the roosts

will all aid in keeping moisture content at a minimum.

Good litter should be highly absorbent material and thereby take up moisture from the air and from the birds. A flock of 100 normal producing birds will give off about 48 pounds of water in one day through their breathing and droppings.

SAWDUST FUEL SCARCE

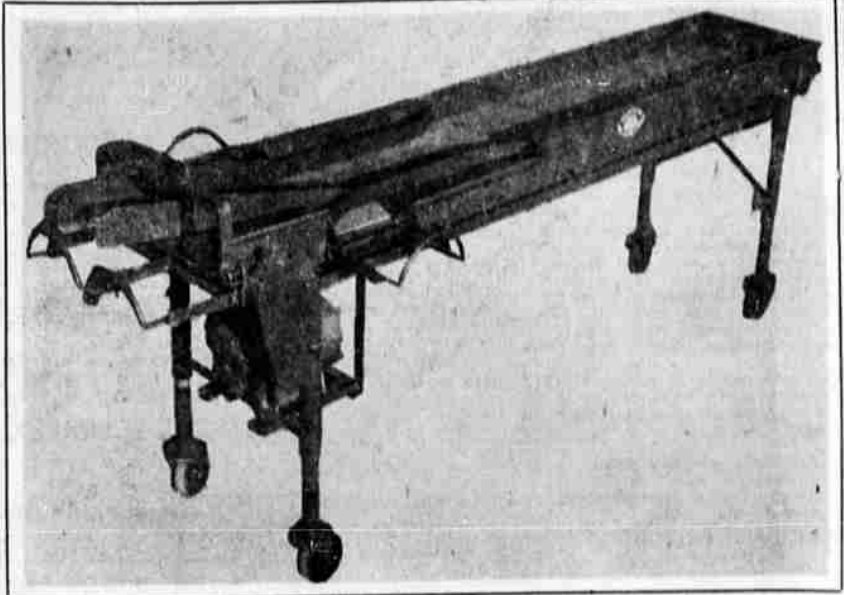
Householders here, who use sawdust for fuel, are being urged to buy all they can get while the supply lasts. Sawdust dealers say the supply is smaller, while the number of homes using sawdust for kitchen and furnace fuel is as large as ever.

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Process Recovers Straw

The spraying of molasses or molasses and urea (promol) on fields of aside straw, barley straw, and other varieties of roughage feeds will probably provide an economical method of feeding cattle this year in the Tulelake Basin, says Ken Baggett, farm advisor.

This feeding method has proven profitable in the past by enabling farmers to improve palatability and consumption of low quality roughage, and provide livestock with a concentrate supplement. This method also has the advantage of recovering unpalatable natural forage that otherwise would be lost. The economy of feeding in this manner is important in view of the labor saving it involves, and also important is the food value of low quality roughage. Experience has proven that fields are well cleaned of all roughage. Experience has proven that fields are well cleaned of all roughage when sprayed with promol or molasses, and that there is little or no loss through trampling or scattering.

The farm advisor mentions that Promol contains an economical source of protein, and is guaranteed to contain not less than 3 per cent protein equivalent. Tests have shown that urea may be effectively utilized when the ration contains adequate amounts of good quality carbohydrates, or high grade forage crops. The optimum amount of urea in any protein supplement for direct feeding is

about three per cent. Baggett says that because of its high concentration and the undesirability of excessive ingestion by the animal, urea must be blended with other feedstuffs before feeding.

The paunches of ruminants, such as sheep and cattle, contain micro-organisms which can use nonprotein nitrogen for their growth and multiplication. The microbes from the rumen, when cultured, washed, and fed as a source of protein, were found to be digested and to have good biological value. Feeding promol could be a very cheap source of protein, for 1-7 pound of urea contains the nitrate equivalent to 1 pound of cotton seed cake.

Using approximately current prices, five cents worth of cottonseed cake might be replaced by 7-10 cents worth of urea. The urea, however, has no energy value, and to maintain the same digestible nutrient intake, and rate of gain, as when one pound of cake is fed the addition of one pound of barley would be advisable. The combination of urea with molasses as a cheaper source of energy might be more favorable under Tulelake conditions, being more favorable economically, as well as providing a safe and palatable vehicle for feeding urea. It also favors bacterial activity in the rumen.

Farmers in the Tulelake Basin who have aside clover straw, or barley straw may find it desirable to spray promol on these low grade feeds. Due to the surplus amount of molasses in the U. S., the price of molasses and promol is considerably below most feed concentrates.

The farm advisor is encouraging farmers to save by making the most use of this low grade roughage and to improve the roughage quality by the use of promol and molasses spraying on roughage prior to feeding. Such prices as these will enable farmers to save considerably and to have better quality feed. Prices of this product delivered to Tulelake varies from \$18.11 per short ton may be obtained in small amounts, while it is \$8.95 per short ton in quantities of 20 tons.

Further information on the feeding of promol and molasses may be obtained at the Tulelake Farm Advisor's Office.

Annual fall meeting of the Oregon Baby Chick association will be held in Portland at the Mallory Hotel Friday, Oct. 31, according to Noel Bennion, OSC extension poultry specialist and association secretary-treasurer.

The meeting will be started at 2 p.m. by the new president of the association, Conrad Burmeister of Portland.

The business meeting will include a vote on two proposed changes in the by-laws. They are a change in name from Oregon Baby Chick association to Oregon Poultry and Hatchery federation, and a provision for associate producer members.

Several state poultry leaders will address the association through the day and Don W. Lyon, manager of the Poultry and Egg national board, Chicago, will be the banquet speaker.

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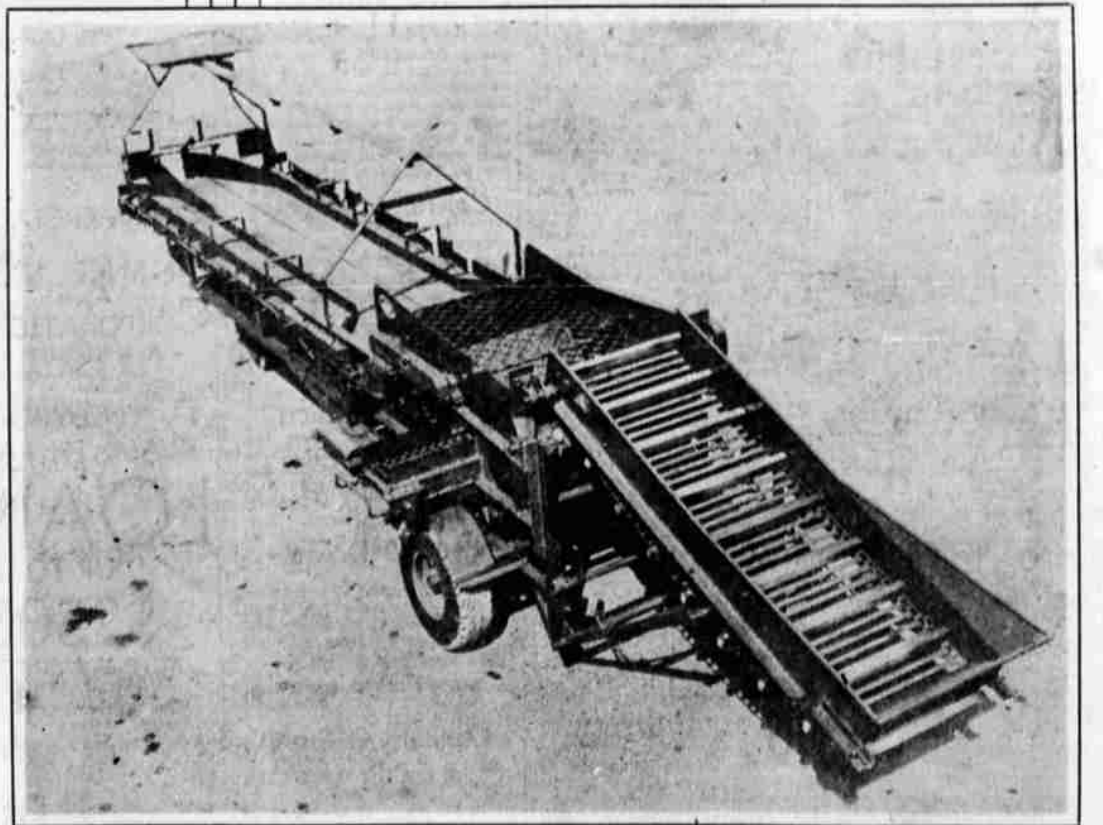
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