

EPPERT SPEAKS

(Continued from page ten.)

25th of May. I would get a very firm, solid seed bed and then I would drill in the alfalfa about an inch deep. The so-called nurse crop of alfalfa is not a nurse crop at all. Ten loads of manure to the acre takes the place of plowing under a green crop. I would just as soon have ten loads of manure to the acre as the green crop plowed under.

"As I have said before, the way to correct acidity in the soil is to use lime, which is not a fertilizer. There is another thing that land plaster will do and that is it will combine with the magnesia in these volcanic soils and liberate the potash, and it will have very much the same effect as burning a pile of brush on the ground. Fifty to a hundred pounds of lime to the acre is enough to use—I would not go above a hundred pounds, where your ground is black, and even then I would first try the litmus paper and see if it would color. You never find acidity unless you find humus. The fact that this soil turns black when watered does not mean that it is acid.

"You ought to get 2 1/2 tons for the June or July cutting of alfalfa and from a ton to a ton and a half for the September cutting. I should say without irrigation. If you have water to irrigate, then make your first cutting when it is heavy enough to make about two tons to the acre, which is when it begins to show the first purple flowers. Cut it then and irrigate immediately after cutting, and cut again in thirty days and in that way get about three good cuttings of two tons to the acre. In answer to a question will say I do not consider that it would be very good for the alfalfa or very good for the hogs to turn them into the alfalfa after the second cutting. I think with irrigation you can raise three crops of alfalfa here. As I said before, frost is not liable to kill alfalfa after it has got the fifth leaf. I have seen it hurt after it was in bloom, but that would not kill it. That does not do any particular harm and in three days time you can hardly notice it.

"I would never sow alfalfa where the water is as close as three feet to the surface of the ground. It would not last more than two or three years. As to a so-called hardpan five or six feet deep will say that depends on the nature of the soil, but such as I have seen around here hardpan six feet deep would not interfere with alfalfa, as you can break that up with dynamite. I know a man who dynamited one hundred and sixty acres of it. This is simply breaking it so water will go through it.

"The soil here is primary rock, and is very rotten, but it is not quite fine enough to be readily soluble and it requires cultivation and the mixture of organic matter with it. It is very fertile, and while I have not seen the chemical analysis, from what I know of soils I know it carries a form of phosphorus, magnesia and more or less potash, and what it needs is organic matter, or humus, added to it to make it productive and you can add it very readily.

"Primarily this is a dairy country. You will be more successful here in dairying than in anything else, I think, and every dairyman ought to keep a few hogs. You can grow cow feed here very well if you will give proper attention to the growing and grow only such things as are absolutely safe, such as grasses, roots, and things not affected by frosts and in that way get an abundance of cow feed, and then you can experiment on some few rods with some of the other things, but do not invest very heavily in anything new. Alfalfa and the grasses have been tried out. We know they will grow. Eventually you will find that a great deal of your land will be free enough from frost so that you can grow potatoes and some of the small varieties of corn and you can get barley that will grow here, and I should not hesitate at all to experiment with winter wheat. Let me make this suggestion. If the damage to winter wheat comes from late June frosts, use it for pasture until after this time of year and then it will come on so it will miss the frost entirely.

HAS LIVESTOCK AGENT.

To assist further in the development of the livestock industry in Oregon and Washington, the O-W-R. & N. Company has appointed Daniel E. Clark, of Cheyenne, Wyo., its special livestock agent, who will study animal husbandry on the lines of this company and who will assist farmers who are engaged in this industry.

RECORD OF TRANSFERS

D. E. Hunter Realty Co. to James H. Bean, it 15, blk 4, of re-division of Bend. (Correction dead). The Bend Co. to J. H. Shouse, its 15 and 16, blk 25, Center add. Bend. G. W. Hall to Fred A. H. Amell, sec 12-14-12. D. A. McNewell to John L. McDowell, et al. it 1, blk 76, Redmond. The Bend Co. to T. J. Murphy, its 11 and 12 blk 15 Park add. Bend. James Rice to J. H. Hunter, sec 8 1/4, nw 1/4, sec 8-15-10, \$10,000. La Pine Townsite Co. to J. E. Morrison, its 19 and 22 inc, blk 28, La Pine. The Bend Co. to Trassa A. Shriner, it 1, blk 15, Park add. Bend. Bend Park Co. to Carl Bonson, its 5, blk 101, First add. to Bend Park. John W. Witt to J. M. Allen, nw 1/4 and nw 1/4, sec. 8-15-10, \$10,000. La Pine Townsite Co. to J. E. Morrison, its 19 and 22 inc, blk 28, La Pine. Bend Park Co. to Wilbur E. Farris, et al. it 2, blk 122, First add. to Bend Park. \$150. Patena to Fred A. Shonquest, 8 1/4 nw 1/4 and 8 1/4 sw 1/4, sec. 32-19-12; to Harry J. Catlow, sec 4, sec. 1-16-12. Township blanks, neatly bound in books, 25 cents at The Bulletin.

FISH FOR PAULINA LAKE.

Forest Supervisor Harvey has been advised by the commissioner of the fisheries bureau at Washington that a number of rainbow trout to serve as brook stock will be shipped him this summer for Paulina lake, some 35 miles south of Bend. There are now no fish in this lake, on account of the falls in Paulina creek which drains it.

CONTINUOUS ELECTRIC POWER.

Since the enlargement of the H. W. L. & P. Company's electric plant, a perpetual current is maintained over its system, the "juice" now being on Sunday and noon hours. The only time the plant shuts down is for an hour Sunday morning, between 6 and 7, when the mechanisms are tightened up and greased.

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That Boy of Yours.

It seems like yesterday that mother mourned the transition from skirts to trousers—his rocking horse will soon give way to the baseball and the pigskin. He's developing, changing every day, and you haven't had his picture taken in more than a year—yes, its two years last Christmas! How the time does fly!



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Apalling Fire Loss

The loss by fire in America is appalling. Government reports show that in 1907 the recorded loss including the cost of fire protection and insurance was over

\$450,000,000 DOLLARS

This enormous tax must be paid by all the people whether taxpayers or not. The annual fire loss exceeded the total value of gold, silver, copper and petroleum production in the U. S. for that year, and it was not an exceptional year for fires either. The first three months this year shows a startling increase. WHO PAYS THIS ENORMOUS LOSS?

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Through the summer season, on the dates given below, round trip tickets will be sold to the points in the East shown below, and many others, at greatly reduced fares quoted.



Table with columns for destinations and fares. Destinations include Atlantic City, Baltimore, Boston, Buffalo, Chicago, Colorado Springs, Denver, Detroit, Duluth, Kansas City, Milwaukee, Minneapolis, Montreal, New York, Omaha, Philadelphia, Pittsburgh, St. Louis, St. Paul, Toronto, Washington.

DATES OF SALE MAY 2, 3, 4, 5, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 1912. JUN 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 1912. JULY 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 1912. AUGUST 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 1912.

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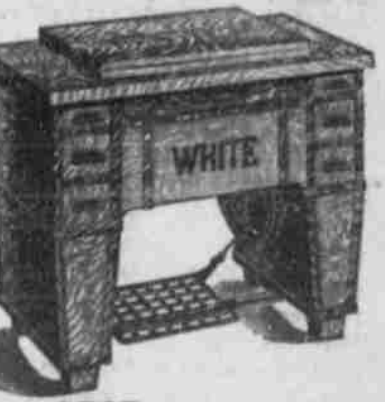
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