

SAW MILL WASTE IS TREMENDOUS

ESTIMATED AT 36 MILLION CORDS

Part Used for Fuel and Part Burned—Methods of Utilization are Studied by Forest Service—No Solution Has as Yet Been Found.

There are more than 48,000 saw-mills in the United States, and their output of waste in the form of saw dust, shavings, slabs and other wood refuse is estimated as 36 million cords per year. This is equal to over four and one half billion cubic feet of waste, which is the capacity of a bin one half mile high with a base covering a forty-acre lot. Or, considering each cord to contain 80 cubic feet of solid wood with all the cracks and air spaces taken out, these 36 million cords would make a block of wood more than a quarter of a mile on each edge.

Perhaps one half of this so-called waste product is not strictly speaking wasted, but serves a useful purpose as fuel under the boilers. Much of the remaining 18 million cords not only serves no useful purpose, but in most cases is a source of inconvenience and danger and costs the mill time and money.

Saw mill waste is disposed of in various ways. Some goes to the local fuel market, some to pulp mills or to wood distillation plants. Shavings and hog cuttings, as well as other mill waste, are sometimes used to fill low places in the yard. However, the most common method of getting rid of waste is by burning either in a fire-pit having an open fire which sometimes has a protecting wall on the side towards the mill, or in a burner enclosed on all sides and having a spark arresting screen at the top and a fire grate near the bottom. In both cases some kind of a conveyor is necessary to bear the waste from the mill to the fire. This is usually a sort of trough with a metal bottom, along which a slowly moving chain or cable equipped with cleats or buckets, carries the waste to the fire.

A closed burner and conveyor costs about \$12,000 for a mill of a hundred thousand feet daily capacity. Forty per cent of the larger mills, cutting more than 55,000 board feet daily, are equipped with closed burners. Forty-five per cent have fire-pits. The remainder have neither and dispose of their waste in some other way.

It is estimated that for a mill of one hundred thousand feet capacity the cost of conveying the waste from the machine where it is made and destroying it in a closed burner is 42 cents per cord or \$10.95 per day. Burners seldom bring in any revenue although in a few cases ashes are sold for fertilizer, and in a number of others the burner furnishes hot feed water for the boilers.

Both burners and fire pits add to the insurance rates on lumber, and in the case of the pit on the mill itself. In order to reduce the fire hazard to zero, in the case of the burners, it is necessary to keep all lumber piles at least one hundred fifty feet away from the burner. The matter is much worse in the case of pits, especially the open ones, which must be kept three hundred feet away from the mill and five hundred feet away from any lumber pile. When nearer than these distances from the mill and yard respectively, the insurance rates mount up rapidly with closer proximity until they become practically prohibitive when the fire pit is nearer than one hundred feet.

No well managed mill would produce waste if it could be avoided. This, however is not possible, so the next best thing is to seek out some method of utilization of the waste so it will pay for its disposition. The Forest Service is working on this problem, but has not yet found a satisfactory solution.

Cut This Out—It Is Worth Money.
Don't miss this. Cut out this slip, enclose with 5c to Foley & Co., Chicago, Ill., writing your name and address clearly. You will receive in return a trial package containing Foley's Honey and Tar Compound for bronchial coughs, colds and croup; Foley Kidney Pills, and Foley Cathartic Tablets. Specially comforting to stout persons. Send everywhere.—Adv.

EAST SIDE ROADS WORKED.
(Crook County Journal.)
Residents of the Upper Crooked River and Bear Creek country will get no road development this year, but surveys will be made and plans perfected for improvement, and perhaps some new roads next year according to Commissioner Blanchard. Mr. Blanchard told those who attended the Friday luncheon last week that the roads were being dragged after the rains in various parts of the county.

PRINEVILLE LINE GETS AID; RAILROAD BOND SALE ASSURED

W. P. Davidson of Oregon & Western Colonization Company, Will Take Issue If Ready Sale is Not Found (Crook County Journal.)

The sale of the \$100,000 bond issue for the construction of Prineville's railroad is absolutely assured. Watson P. Davidson, president of the Oregon & Western Colonization Company assured the council at a meeting held last evening, and in an interview this morning stated that although he is not in the market for municipal bonds, he is prepared to give the council a check for the par value of the bonds on next Tuesday evening in case a satisfactory bid is not received on that date.

"There is no question as to the feasibility of the railroad," said Mr. Davidson, "and the council has taken absolutely the right steps in every respect in the matter. They should be encouraged and given every assistance in the work of building this road and I have decided to make what personal sacrifices are necessary to buy these bonds myself if they do not meet with a ready sale otherwise."

"It is only a matter of completing the road to Prineville, which will be done this summer, until a logging road will be started into the timber east of this town, which will mean a large mill here."

"Mr. Rogers has sold his timber in the Cascades and is getting his money for it. He is anxiously watching the railroad development here and I know he is ready to act in the matter."

"This means a pay roll, the doubling up of values of all the property in the city and surrounding country and the transformation of Prineville from a country village to something very much better."

"As I understand the matter this is the only point that has prevented your council from getting the dirt to flying on this road, and I for one want to see action and that is the reason I am making this offer. I have investigated your records and all the facts concerning the matter, and I have spent much time and thought over the situation."

"Of course it is possible that after the \$100,000 is spent which you now have assured you, and the other assistance has been given, you may be short of some money. Maybe not, but possibly you will be, say as much as \$40,000 or \$50,000. That is easy. Just issue stock, or possibly bonds against the road and the thing is done."

"I was requested to investigate the entire situation and report by findings to Mr. Gilman of the Oregon Trunk. I am ready to say that Prineville's railroad will be under construction at once, and that the conditions are in every way favorable for early completion of the project."

How to Get Rid of a Cold.
Read how C. E. Summers, Holdrege, Neb., got rid of his cold: "I contracted a severe cough and cold and could hardly sleep. By using Foley's Honey and Tar as directed my cough was entirely cured and I give it full credit for my speedy recovery." Foley's always soothes and heals. Children love it. Sold everywhere.—Adv.

HUBBARD ACQUITTED.
(Fort Rock Times.)
Not guilty was the verdict rendered by the jury in the case of S. J. Hubbard, Justice of the Peace for Poliyat Precinct, who was charged with forging a name to a complaint in Justice court. Mr. Hubbard had been indicted by the grand jury some weeks ago.

MARKET REPORT.
NORTH PORTLAND, June 5.—There was nearly a thousand head of cattle on to-day's market. The entire day's receipts were Californias with the exception of a car of native and a few odds and ends. Mexicans went at \$8 for steers and \$7 for cows. Native went as high as \$8.35.

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Velvet Joe



EVERY day more smokers are learning how greatly natural ageing improves naturally good Tobacco. VELVET is teaching them.

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Vealers and bulls had little activity. Market was steady. With 4500 hogs on to-day's market, prices sagged considerably, \$8.50 was the best top and bulk \$8.35 to \$8.40. Today's receipts were the largest single day's offerings for the month. Market slow. There was no over supply of sheep in today's receipts. Not quite 700 were offered and nothing sensational was developed. All kinds are quoted steady.

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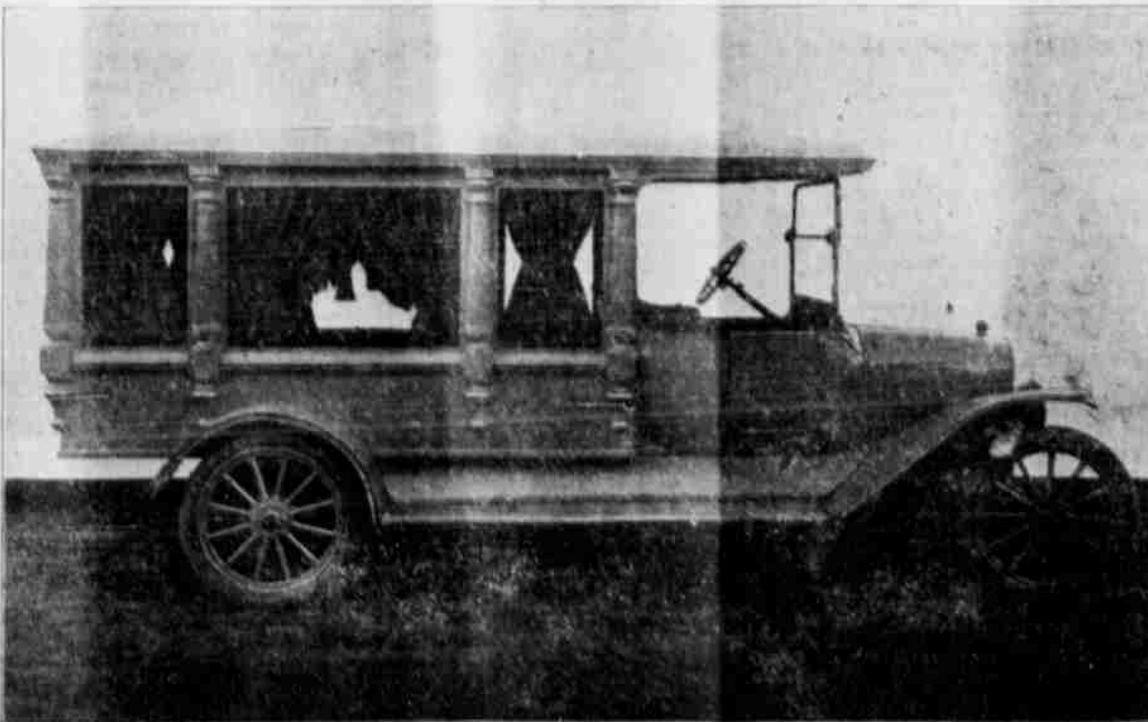
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C. P. NISWONGER'S AUTO HEARSE



C. P. Niswonger, the Bend undertaker, has recently put in commission a new auto hearse shown in the cut above. The hearse body was made in Bend and fitted to a new auto chassis, thus providing a completely modern and up-to-date conveyance. Adv 137c

TROUT EGGS ARE SHIPPED.
Five hundred thousand eggs were shipped last week from the Odell Lake egg collecting station to Bonneville state fish hatchery. In return 500,000 eastern brook trout will be shipped from Bonneville to the hatchery at Bend for feeding about June 10. Later a like number of rainbow trout will be sent to Bend for feeding. The hatchery is being improved and when completed will have a capacity for about one million trout fry.

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