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FOREST FIRE DAMAGE HEAVY ANNUAL LOSS.

Roseburg Review, Roseburg, Ore.

Gentlemen: I should be very glad to have you publish in your paper the enclosed statement in reference to damage done to merchantable timber by surface fires. This is important, especially at this time of year, and will no doubt interest many of the readers of your paper.

Yours very truly,
S. C. BARTRUM,
Forest Supervisor.

The statement is frequently made, "Light surface fires, such as those that run through the forest periodically, consuming the dry surface litter and undergrowth, without scorching the foliage of the trees, do no harm to the merchantable timber." This statement, while rather plausible to those who are not familiar with the effect of forest fires, or who do not look at all sides of the question, does not appear to those who study this problem carefully, to be borne out by the facts. A study was therefore made by the foresters of the Forest Service last autumn to determine just how much damage these light surface fires do to merchantable timber. A number of areas were examined, both in the Douglas fir region west of the Cascades and in the yellow pine region east of the Cascades, all of which had recently been burned over by surface fires; that is, fires which simply burn the ground cover of needles, twigs, dry grass and underbrush and do not get into the crowns of the trees; most of these areas had been periodically burned over previous to this last fire by similar light surface fires. The trees on strips running through typical parts of these burns were classified according to the amount of damage they received in the fire, either: (1) "burned to death," trees which were killed by the heat of the surface fire about their bases; (2) "felled by fire," living trees which were burned off at the butts by fire eating into basal fire scars; (3) "scarred by fire," trees which were fire scarred either by the last or previous fires, so that the wood of the trunk was exposed; (4) "uninjured," trees which at the time of the examination showed no bad effects from the fire.

Facts Concerning the Damage Done.

The following are some of the facts obtained by this intensive study of these burns:

On the area of the Medical Springs fire in Eastern Oregon before the fire there was on the average 17.8 merchantable yellow pines per acre; after the fire 7.7 of these showed fire scars, 1.2 were dead, and only 8.9 trees, or about half, were apparently uninjured; yet to the casual observer the surface fire that ran over this area was not particularly harmful.

A small fire in Wallowa County, Oregon, burned over 23 acres of pine grass in an open yellow pine stand. The fire was merely a light grass fire, but it got into the pitchy butts of many of the trees and by actual count felled six big trees out of the 297 merchantable trees on the area. Many fires in the yellow pine region are of just this mild character; a single fire kills but a small proportion of the merchantable timber, but the sum of the damage done by a number of such periodical fires is enormous.

Of the seven large fires examined, the condition of the trees shows that on the average area which has been scourged by repeated fires anywhere from 22 to 40 per cent of trees are fire-scarred, and that the average surface fire kills from 3 to 14 per cent of the merchantable trees chiefly by gnawing through their butts.

Summary of Conclusions.

The lesson which this study teaches is that all surface fires, no matter how gentle and harmless they appear to be, (if of sufficient area) always

(1) Kill a certain amount of merchantable timber.

(2) Damage much of the merchantable timber that survives, so that its commercial value is lessened, both in direct and indirect ways.

(3) Kills off much of the young growth, which should be the basis for the next crop.

(4) Exert an unfavorable influence on the forest soil, thereby decreasing its productive capacity.

These being the facts, it follows clearly that fires should be prevented in all types of standing timber.

Your Neighbor's Experience

How you may profit by it. Take Foley Kidney Pills. Mrs. E. G. Whiting, 360 Willow St., Akron, O., says: "For some time I had a very serious case of kidney trouble and I suffered with backaches and dizzy headaches. I had specks floating before my eyes and I felt all tired out and miserable. I saw Foley Kidney Pills advertised and got a bottle and took them according to directions and results showed almost at once. The pain and dizzy headaches left me, my eyesight became clear and today I can say I am a well woman, thanks to Foley Kidney Pills."

GENERAL NEWS.

Hundreds of silver coins, mailed to President and Mrs. Taft for the silver wedding anniversary, are being returned to the senders with an explanation that the Executive and his wife appreciate the motive prompting the gifts but cannot accept them. The coins range from dimes up.

A new invention that may transform London, and eventually all of the municipalities of the world, into cities of silence, has been demonstrated for the first time at the International Rubber Show in Royal Agricultural Hall, London. It was a rubber compound for paving, and was laid along a roadway 122 feet lond and ten feet wide. It is declared to be more lasting than any paving material now in use and costs but little more. The demonstrations today proved that the material renders all ordinary street traffic practically noiseless. It is proposed to lay the rubber blocks in the vicinity of all London hospitals at an early date.

Now that Gifford Pinchot and James R. Garfield have let it become known that they are for Taft in 1912, it may be set down as reasonable certainty that Taft will be nominated—that is, as certain as anything can be in politics. This does not mean that the support of Pinchot and Garfield assures President Taft a renomination; it merely means that when such bitter and pronounced enemies as Pinchot and Garfield reach the conclusion that a fight against Taft would be futile, then the average politician may satisfy himself on the same point, for Pinchot and Garfield would never consent to Taft if there was a chance of nominating another man.

That Harriet Kelly, of Boston, stewardess on the steamer Governor Andrew, was a man was not exposed until an autopsy was held over her charred remains. She was one of the two persons burned to death in the fire which destroyed the vessel. For thirty years she posed as a woman and was known on the boat as a widow.

Middle Aged and Elderly People.

Use Foley Kidney Pills for quick and permanent results in all cases of kidney and bladder troubles, and for painful and annoying irregularities. They contain just the ingredients necessary to regulate and strengthen the action of the kidneys and bladder. They are tonic in action, quick in results. Try them. For sale by all druggists. F

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ONE WAY OF DOING IT.

Portland Labor Press: Some of the veterans of the Oregon Indian wars are receiving $8 a month pension. There is no reason under heaven why the veterans and pioneers over 70 who have lived in Oregon over 40 years should not have a pension of three times that, if they need it. The people of Oregon should vote it to them, and take it out of the holders of natural opportunities, such as water power and timber land, by a special tax. There is plenty in Oregon for all, and the aged men and women who braved the terrors and the perils of the untamed West to secure homes in Oregon, and preserve it for the American people, should be given of that plenty, especially the plenty enjoyed by speculators in land.

Foley's Kidney Remedy

is particularly recommended for chronic cases of kidney and bladder trouble. It tends to adjust and control the kidney and bladder action and is healing, strengthening and bracing. L. McConnell, 117 Catherna St., Elmira, N. Y., says: "Two bottles did the work most effectively, and proved to me beyond doubt it is the most reliable kidney medicine I had ever taken and it shall always have my endorsement." For sale by all druggists. F

Dressmaking.

Will go out by the day or sew at home. Fancy dresses a specialty—Miss Mabel Stone, 717 S. Hamilton. dj27

Dr. Lowe's glasses wear longer. Why? Ask him next Friday or Saturday morning. dsw

NOTICE FOR PROPOSAL FOR STREET IMPROVEMENT.

Sealed proposals will be received by the undersigned at his office in the City of Roseburg, Oregon, up to 5 o'clock P. M. on Monday, July 3rd, 1911, for the paving of North Main Street from the North line of Douglas Street to the North line of Court Street, in the manner provided by Ordinance No. 381 of the City of Roseburg.

All bids must be submitted on blank forms which will be furnished upon application to the undersigned, and must be accompanied by a certified check, payable to the City Treasurer, for five per cent. of the amount bid, to be forfeited to the City in case the successful bidder shall fail to enter into a contract and bond with the City. A surety bond of thirty per cent. of the amount bid will be required from the successful bidder. The time stated in the proposal for completing the work will be considered in awarding the contract.

The Council reserves the right to reject any and all bids.

By order of the Council.
Dated this 24th day of June, 1911.
A. N. ORCUTT,
Recorder of the City of Roseburg, Oregon. d5t

NOTICE FOR PROPOSAL FOR STREET IMPROVEMENT.

Sealed proposals will be received by the undersigned at his office in the City of Roseburg, Oregon, up to 5 o'clock P. M. on Monday, July 3rd, 1911, for the paving of Court Street from the East line of Jackson Street to the West line of Main Street, in the manner provided by Ordinance No. 379 of the City of Roseburg.

All bids must be submitted on blank forms which will be furnished upon application to the undersigned, and must be accompanied by a certified check, payable to the City Treasurer, for five per cent. of the amount bid, to be forfeited to the City in case the successful bidder shall fail to enter into a contract and bond with the City. A surety bond of thirty per cent. of the amount bid will be required from the successful bidder. The time stated in the proposal for completing the work will be considered in awarding the contract.

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NOTICE FOR PROPOSAL FOR STREET IMPROVEMENT.

Sealed proposals will be received by the undersigned at his office in the City of Roseburg, Oregon, up to 5 o'clock P. M. on Monday, July 3rd, 1911, for the paving of Spring Alley from the West line of Jackson Street to the East line of Rose Street, in the manner provided by Ordinance No. 383 of the City of Roseburg.

All bids must be submitted on blank forms which will be furnished upon application to the undersigned, and must be accompanied by a certified check, payable to the City Treasurer, for five per cent. of the amount bid, to be forfeited to the City in case the successful bidder shall fail to enter into a contract and bond with the City. A surety bond of thirty per cent. of the amount bid will be required from the successful bidder. The time stated in the proposal for completing the work will be considered in awarding the contract.

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Sealed proposals will be received by the undersigned at his office in the City of Roseburg, Oregon, up to 5 o'clock P. M. on Monday, July 3rd, 1911, for the paving of West Douglas Street from the East line of Rose Street to the East line of the O. & C. R. R. Co. right-of-way in the manner provided by Ordinance No. 378 of the City of Roseburg.

All bids must be submitted on blank forms which will be furnished upon application to the undersigned, and must be accompanied by a certified check, payable to the City Treasurer, for five per cent. of the amount bid, to be forfeited to the City in case the successful bidder shall fail to enter into a contract and bond with the City. A surety bond of thirty per cent. of the amount bid will be required from the successful bidder. The time stated in the proposal for completing the work will be considered in awarding the contract.

The Council reserves the right to reject any and all bids.

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Dated this 24th day of June, 1911.
A. N. ORCUTT,
Recorder of the City of Roseburg, Oregon. d5t

NOTICE FOR PROPOSAL FOR STREET IMPROVEMENT.

Sealed proposals will be received by the undersigned at his office in the City of Roseburg, Oregon, up to 5 o'clock P. M. on Monday, July 3rd, 1911, for the paving of Oak Street from the West line of Rose Street to the East line of the O. & C. R. R. Co. right-of-way in the manner provided by Ordinance No. 380 of the City of Roseburg.

All bids must be submitted on blank forms which will be furnished upon application to the undersigned, and must be accompanied by a certified check, payable to the City Treasurer, for five per cent. of the amount bid, to be forfeited to the City in case the successful bidder shall fail to enter into a contract and bond with the City. A surety bond of thirty per cent. of the amount bid will be required from the successful bidder. The time stated in the proposal for completing the work will be considered in awarding the contract.

The Council reserves the right to reject any and all bids.

By order of the Council.
Dated this 24th day of June, 1911.
A. N. ORCUTT,
Recorder of the City of Roseburg, Oregon. d5t

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