

PREVENTION OF DUST ON ROADS

Permanent Treatment of Public
Highways With Tar.

PRINCIPAL MATERIAL USED.

If Work Is Properly Done a Treated Road After Being Opened For Traffic a Short While Takes an Appearance Closely Resembling Asphalt—It Is Waterproof and Dustless.

Although the problem of dust prevention on public highways is by no means a new one, its importance has been greatly accentuated by the comparatively recent introduction of the automobile. The dust raising tendency of the latter is due to the destructive shearing action of the tires of the driving wheels and the intense suction and eddy producing effect of the car body in passing swiftly over surfaces which have been already loosened up by tire action. In the days of the horse drawn vehicle the iron shoes of the horse and the tires had a tendency to consolidate rather than loosen up the surface of a well made macadam road, and the comparatively small amount of dust which gathered could be sufficiently laid by one or two daily trips of the watering cart. The advent of the automobile, however, has complicated the problem greatly, and it has become necessary not merely to find a more efficient means for laying the dust, but to provide also a method of road construction which will more firmly bind the road material together and enable it to stand up under the extreme conditions which the automobile has imposed.

The most valuable quality in any dust preventive is its ability to hold together the finely divided material which is produced on or near the surface of the road. The value of any oil, asphalt, emulsion or what not lies at the last analysis in its "binding power," and this quality in any dust preventive is proportionate to the amount of bituminous base which it contains.

The principal material used in the permanent treatment of roads with tar



A ROAD SECURE FROM DUST.

are coal tar, refined coal tar and water gas tar. They may be used effectively either by applying them to a road already finished or by incorporating them in the surface material of the road during construction. In applying the tar to an old road the surface should be thoroughly dry, comparatively warm and free from dust.

Moisture prevents the tar from proper contact with the stone, and a cold surface stiffens the material and prevents its being absorbed. Before the application is made cuts and hollows should be filled and the surface brought up to a smooth and even condition. The tar, heated to about 180 degrees F., is spread upon the road through a hose or by other suitable means and is then thoroughly broomed in.

After this has been done, to secure good results, the surface treated should be closed to all traffic for about twelve hours so as to give the tar an opportunity to thoroughly sink in the surface. Next a coat of clean sand or stone chips should be applied to absorb any excess tar and dry up the surface, as it were. The road should then be rolled thoroughly to bring it into condition.

In applying the tar in new construction the road should be formed and consolidated without the use of water. The voids should be filled with fine stone chips free from dust, and care must be taken not to roll the surface too heavily or the tar will not adhere properly. Hot tar may be applied through all of the courses as they are laid and rolled, but occasionally the upper course only is so treated. After tarring, a top dressing of material is laid on and the surface is thoroughly rolled. The tar spreading may be done either by hand, in which case an excess above what is necessary will probably be used, or it may be spread on by an apparatus mounted on wheels, the tar being discharged under pressure at the road surface by specially designed spraying nozzles.

If the work be properly done, a tarred road after being open to traffic for a short while takes on an appearance closely resembling asphalt, being smooth and firm, practically noiseless and more resilient than asphalt. It is largely waterproof, practically dustless, and the resistance to traction is less than that of an untreated macadam road.

The Man of Leisure.
Most of our rich men work very hard—not always because they want to, but in many instances because they have to. The husbandry of a big estate in itself may be a task for the whole of the time and thought, not of one man, but of several. As a general thing it is fair to say that our only man of leisure is the tramp. The social pariah, the outcast against the rule of work, is the only one who can be sure of a care free, sybaritic existence, and even he lives in constant danger of rock salt from the farmer's gun or the onslaught of the watchdog around the corner as the hobo knocks at the kitchen door or pauses at the water trough to drink. The poor tramp is certainly a more frequent social phenomenon than the rich one.—Philadelphia Ledger.

The Earl and the Angler.
One of the earls of Minto had a kindly nature. One day a Hawick angler was throwing his line on the river near Minto when a tall gentleman came up to him and inquired what kind of sport he was having. The fisher replied that it was not very good and that he could do better if he were at the other side of the water, adding, "I'll give ye sixpence if ye'll carry me across." The earl was struck, and the gentleman, getting the angler on his back, carried him through the water to the other side. True to his promise, the angler produced the sixpence, which he proffered to the stranger, who, however, smiled and remarked, "Give it to the first beggar you meet and tell him it is a present from the Earl of Minto."

Why She Worried.
"But, mother, why do you object to my being pleasant to the young men? You can't hope to keep me with you always, you know. One of them will take me away from you some day."
"Take you away from me? Well, if that happens I shall not complain. It is the certainty that none of the young men who have been coming here so far would take you away that has worried both your father and me."—Chicago Record-Herald.

Only Wanted the Chance.
Emperor—I do not care to hear your proposition, sir. Everything that is submitted must first be put through the prime minister. Subject—Nothing would please me better. I wanted to show you the new bayonet which I have invented for army use.—London Answers.

Willing, but Cautious.
"Yes, my daughter eloped."
"I suppose you will forgive the young couple?"
"Not until they have located a place to board."—Washington Herald.

Tough Combination.
Probably there is no combination on earth harder to live with than an artistic temperament soured in a bad cold.—Galveston News.

It is always safe to learn even from our enemies, never safe to inspect even our friends.—Colton.

Barbed wire cuts, ragged wounds, collar and harness galls, heal up quickly when Ballard's Snow Liniment is applied. It is both healing and antiseptic. Price 25c, 50c and \$1.00 per bottle. Sold by C. Y. Lowe.

Took It to Heart.
"Didn't you hear all of the professor's lecture?"
"Why, no. He began by saying that sleep is the secret of right living, and then I came home and went to bed."—Cleveland Plain Dealer.

Terminological Inexactitude.
It is what might be called a "terminological inexactitude" to say that a man is "inclined to be bald." As a rule, to become bald is absolutely against a man's inclinations.

Home Training.
Mother—Robert, come here to me instantly. Robert—Aw, shut up! Mother—Robert, how dare you talk to me like that? Say, "Mamma, be quiet."—Puck.

They are slaves who dare not be in the right with two or three.—Lowell.

For soreness of the muscles whether induced by violent exercise or injury, Chamberlain's Liniment is excellent. This liniment is also highly esteemed for the relief it affords in cases of rheumatism. Sold by C. Y. Lowe.

The Crossbow.
As a weapon of war the crossbow lasted on in Europe all through the middle ages. Even so late as the Napoleonic invasion of Russia it was in use by the Cossacks. The crossbow was a most formidable instrument of destruction, comparing most favorably with the old fashioned musket. It was with the bow that the English won their celebrated victory over the French in the Hundred Years' war. Its timber shafts often pierced the armor of the "mailed chivalry" and made the British yeoman more than a match for the French knight.

Sallow complexion is due to a torpid liver. Herbine purifies and strengthens the liver and bowels and restores the rosy bloom of health to the cheek. Price 50c. Sold by C. Y. Lowe.

DO YOU HAVE THE RIGHT KIND OF HELP?
Koley Kidney Pills furnish you the right kind of help to neutralize and remove the poisons that cause backache, headache, nervousness, and other kidney and bladder ailments. For sale by Bandon Drug Co.

PUBLIC LAND AND MINING CASES.

If you are interested in any contest or any matter before the Interior Department, contact Clark & Wright, registered land lawyers, 602 F Street N. W., opposite the Gen'l Land Office, Washington, D. C. Free information about contests and where to obtain scrip, locatable open public lands, without residence or cultivation.

Chamberlain's Cough Remedy

Cures Croup, Whooping Cough, Boots - AND - Shoes

You can't expect to get \$2 worth for \$1, but you can get your money's worth at

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Repairing neatly and promptly done at lowest living prices

Administrator's Notice of Final Account.

Notice is hereby given that the undersigned, administrator of the estate of J. F. Prewett, deceased, has filed his final report and account of the business of said estate in the County Court of Coos County, and that by order of said Court, Monday, June 5th, 1911, at 10:00 a.m., at the Court House in Coquille, County of Coos, State of Oregon, has been fixed as the time and place of hearing the said report and account, and objections thereto, if any there be, and that all persons having objections to the said report and account must present same on or before said date.

Notice for Publication.

Department of the Interior,
U. S. Land Office,
Roseburg, Oregon, May 15, 1911
Notice is hereby given that John E. Young, of Bandon, Oregon, who, on March 10, 1909, made homestead entry No. 63187, for NE 1-4 SW 1-4, E 1-2 NW 1-4, Sec. 33, and SE 1-4, SW 1-4, Section 28, Township 29 S, Range 14 West, Willamette Meridian, has filed notice of intention to make final commutation proof, to establish claim to the land above described, before A. D. Morse, United States Commissioner, at Bandon, Oregon, on the 7th day of July, 1911.

Notice to Contractors.

Re-advertisement for Bids for grubbing and grading on Spruce street in Azalea Park and South Bandon Add.

Notice is hereby given that the Common Council of the City of Bandon, Coos County, Oregon, will, upon the 7th day of June, 1911, at the hour of 7:30 o'clock, p.m., receive sealed bids for the grubbing, grading, and filling on Spruce street, extending from the intersection of Spruce street with Pine street, then running south to the south limits of Spruce street in Azalea Park.

All Bids submitted to the Council for this improvement must be in the following form:
(1) Excavating, bid per cubic yard.
(2) Filling, bid per cubic yard.
(3) Grubbing and clearing the street of all wood to grade. Bid on this as a lump bid.
All bids for the improvement herein stated must be filed with the City Recorder on or before 7:00 o'clock p.m., June 7th, 1911, and all Bids submitted must be in accordance with specifications for the improvement of the portion of Spruce street herein stated, and now on file at the City Engineer's office, open to the inspection of all persons interested therein.

Successful bidder must furnish bonds to the satisfaction of the Council.

Council reserves the right to reject any and all bids.

Dated at Bandon, Oregon, this 23rd day of May, 1911.

E. B. KAUSRUD,
Recorder City of Bandon.

Administrator's Notice of Final Account.

Notice is hereby given that the undersigned, administrator of the estate of John McKenzie, deceased, has filed in the County Court of Coos County, Oregon, his final report and account as administrator of said estate, and that the said Court has duly ordered that Monday, June 5th, 1911, at 10 o'clock a.m., at the Court House in Coquille, County and State aforesaid, shall be the time and place of hearing the said account and report and objections thereto if any there be, and that all persons having objections to the said report and account, must present same on or before said date. John Westerman, Administrator.

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Publishes the latest and most complete telegraphic news of the world; gives reliable market reports, as it is published at Portland where the market news can be and is corrected to date for each issue. It also has a page of special matter for the farm and home, an interesting story page and a page or more of comic each week, and it goes to the subscriber twice each week—104 times a year.

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