

VALUE OF KING DRAG

Improves the Worst Earth Road In Short Order.

QUICKLY DESTROYS ALL RUTS

Change to Smoothness Almost Instantaneous, Says Inventor of Highway Improvement Device—Other Benefits Derived by Using the Drag.

[Copyright, 1907, by D. Ward King.] The King drag is like a sleight of hand performer in appearing to accomplish the impossible. In twenty minutes after you hitch to the drag the worst earth road is so much better that a magician seems to have been at work, assuming, of course, that the soil is in fit condition. If you think I am making too strong a statement, try it, and if you are still of the opinion I will pay you at the rate of \$5 per day for the time you use in making the experiment.

Look at these Iowa photographs. In No. 1 the felled and several inches of the spokes are hidden in the ruts. Just a few minutes' use of the drag and the ruts are obliterated, and even the tire is in plain view. The two pictures are of the same spot, and not more than thirty minutes elapsed from the making of the first negative to the making of the last. The Missouri pic-



DIRT ROAD BEFORE DRAGGING.

tures show as great a change. In both cases we selected the worst road we could find, and I drove the drag myself.

The change to smoothness is almost instantaneous, and it at once begins to distribute the travel. The distribution of the travel is due to the absence of ruts, and in turn it also discourages ruts. The smallest rut tends to the destruction of the road. The drag owes its reputation to the fact that it is the cheapest known method of destroying ruts. On a level road a rut, however slight, means a spot where the water will lodge after the next rain. Because this spot retains water it remains softer than the higher portions of the road and for this reason is deepened and widened by every wheel and every hoof that touches it. If it held a pint of water after the last rain it will hold a quart when the next one falls. It is twice as large as at the beginning and of course presents twice the surface to the teams and wagons. Soon it will be so large that



DIRT ROAD FEW MINUTES AFTER DRAGGING. travel will pass to the other side of the highway. It is now a mudhole of consequence and quite able during a few days' rain in spring or fall to stall the largest teams.

How different would be the story had that first little rut been filled by the drag! A mudhole that contains but a pint of water is insignificant; it harns no one. True, it may injure an invalid or give pain to a delicate woman, but the load it will carry past March it jostles so gently now that it is unnoticed. With the drag the loading and the pain giving jar are eliminated. And strange as it may seem, since money is spent for road work under the plan that allows the mudhole to develop and ripen than when the drag is used to nip it in the bud.

On a hill road the tiny rut is the danger zone.

Advertisement for ROBERTINE skin cream, describing its benefits for a fresh complexion and its use for various skin conditions.

vine nor mudhole can exist in a carefully dragged earth road. The clay



BAD MISSOURI ROAD BEFORE DRAGGING. hill south of my house has been worked with nothing but a drag and a plow for over ten years. There have been no mudholes in all that time nor ruts worth more than passing notice. And this is the experience of farmers, road commissioners and men of science in authority all over our broad land.

The use of the King drag brings to pass numerous other details which slightly seem unimportant, but which in the aggregate constitute the perfect earth road. One—smoothness—has been mentioned. Next to smoothness is the crowning of the road, which, with the smoothness, provides for the drainage of the traveled portion of the highway. Then comes hardness or density, which gives permanence and which comes more slowly than the first two, growing and gaining for several years. Then follows the absence of weeds, of the chuck hole at the bridge and culvert, a decreased amount of mud and, what is not so readily granted, a remarkable decrease in the amount of dust. The cost of culverts also is lessened, first, because water can no longer follow the wheel track to the culvert and soften the abutments by standing in a puddle in the chuck hole; second, the cost is lessened because a more durable culvert can be put in.



QUICK CHANGE TO SMOOTHNESS BY DRAGGING.

When first cost is considered I think this is the cheapest culvert. The objection heretofore has been the difficulty in keeping sufficient earth above the pipe to protect it from traction engines and other heavy loads. This trouble is obviated by the use of the drag since the drag puts more and more earth on the tile and thus continually adds to the protective covering. Weeds are destructive agents in a negative way. By their roots and the dying of their tops they bring humus into the roadway. Humus, much to be desired from the farmer's standpoint as food for crops and for its mechanical action on close, dense soil, is not good material for roads. Again, the weeds by their roots and the shape of their tops keep the roadway soft. And by their mere presence they catch dust and mud, gradually building up the well known shoulder which prevents water running to the ditch.

Less mud? It is granted without argument. Less dust? One is not so sure. But if less mud, then, since dust is manufactured mostly from the rims of hoof tracks and the speeded edges of ruts, must not the dust be less? Less depth of mud means shallower foot and wheel tracks and therefore less dust material.

Last, but not least, the dragged road dries off in from twelve to sixty hours depending on the character of the soil and the number of years the drag has been used. The smoothness or the quickness of drying will either one pay the cost of dragging.

The Oath in Norway.

The most curious European oath is administered in Norway. The witness raises his thumb, his forefinger and his middle finger. These signify the Trinity, while the larger of the uplifted fingers is supposed to represent the soul of the witness and the smaller to indicate his body. Before the oath is taken a long exhortation is delivered, the most material parts of which are as follows: "Whatever person is so audaciously, corrupt or hostile to himself as to swear a false oath or not to keep the oath sworn sins in such a manner as if he were to say: 'If I swear falsely, then may God the Father, God the Son and God the Holy Ghost punish me, so that God the Father, who created me and all mankind in his image, and his fatherly goodness, grace and mercy may not profit me, but that I, as a perverse and obstinate transgressor and sinner, may be punished eternally to hell. If I swear falsely, then may all I have and own in this world be cursed—cursed be my cattle, my beasts, my sheep, so that after this day they may never thrive or benefit me;—cursed may I be and everything I possess.'"

Advertisement for PISO'S CURE FOR CONSUMPTION, describing its effectiveness for various ailments.

Rogue River Fruit Notes

Profitable Pointers Regarding the Industry Gathered From Various Sources in This Favored Section of Oregon.

Owing to the sweeping orders of County Fruit Inspector Elman, the Grants Pass dealers have had very little of the poor article for sale during the past week or so. Both the consumer and the grower were inclined to enter protest, at first, but they are now inclined to believe that this heroic treatment cannot help but prove to be beneficial, in the long run. It will certainly tend to make the growers careful about caring for their trees all through the season and this means that eventually this belt will be growing the very finest apples to be found anywhere and then the money will begin to pour into this region quite nicely.

In speaking with a reporter concerning the fruit market this season, one of the Portland merchants took occasion to remark: "There is nothing in the condition of the markets here or in the east on which to base a belief that the apple trade will be stagnant a month or two hence. There is still a good deal of low grade fruit in the Portland market, but it will be but a matter of short time when this will disappear. Then there will be a better demand for good fruit, and prices will move upward. The markets of the middle west just now are weak, and on the Atlantic coast the situation is much the same but there is still a fair outlet for Oregon apples in Texas, Oklahoma, New Mexico and other parts of the southwest. We have already shipped there to some extent, and with good results. Yesterday we consigned a car load of Spys and Baldwins to San Francisco, and we expect fair returns for the shipment. Later in the winter the home market is sure to improve."

A. A. Fuller, who was formerly engaged in the electric supply business, near Chicago, Ill., has come to locate in this region and he has leased six acres of choice, Rogue River sandy loam land across the river, from C. C. English, where he will start a nursery, paying particular attention to the grape culture. He has been securing facts and figures which make him quite sanguine in his expectations from this locality. For instance, it is thought that Josephine county will plant no less than 100,000 cuttings this season, while the estimate for next year will likely be greatly in excess of this amount. He will go to California, where he will procure the very best cuttings possible for his start, and he proposes to leave no stone unturned to have the very best vines that can be had anywhere.

The S. F. Call of December 18th has the following: William McMurray, general passenger agent of the Harriman lines in Oregon, is in the city and declares that what the orange is to southern California and the gold

PHYSICIANS CURF SKIN WITH SIMPLE REMEDIES.

Noted Eczema Specialist Comments on a Proven Specific for Skin Disease.

Physicians everywhere continue their praise for ordinary oil of wintergreen in a wonderful specific for Eczema and other itching skin diseases. This liquid, pure and clean as water, externally applied has instant effect. A few drops on the burning, itching sore causes instant relief, and a short continued use gives a complete cure.

Dr. C. B. Holmes of Silver City, Miss., is so enthusiastic about this remedy—D. D. D. Prescription—that he declares in a letter to the D. D. D. Company of Chicago that this great remedy is as near specific for Eczema as is quinine for malaria. "I have been using your D. D. D. for four years with gratifying results," writes Dr. Holmes.

There are thousands of other physicians who use D. D. D. Prescription, the oil of wintergreen specific. D. D. D. cures and it is so clean to use. If we did not know what D. D. D. will do we would not recommend it to our friends and patrons. Clemens sells Drugs. Call at our store, anyway and let us see the nature of your skin trouble. 12-27 it

Pat was watching the street sprinkler pass. "Well, if I didn't see it I'd never believe it," he exclaimed. "Believe what?" asked a bystander. "That the idiot was a driver'd fury to haul water in the bucket at the laky weight, an' ol' spoke he's gittin' paid for!" —Jude.

Miners' blanks at the Courier office.

Advertisement for Lowney's Candies and Gunther's Candies, featuring various candy products and contact information for Harmon's Short Order House.

Advertisement for Happy New Year, featuring a greeting and information about The Model Drug Store.

Advertisement for The Model Drug Store, located on Front Street opposite Depot.

Advertisement for BIGGLE BOOKS, featuring a list of books on various topics like horse care, poultry, and farm management, along with Farm Journal information.

Advertisement for BETTER THAN MEDICINE, featuring Hymel's Tonic and its benefits for various ailments.

Advertisement for ST. MARY'S ACADEMY, a school for young ladies, highlighting its thorough education and character building.

Advertisement for ALBANY COLLEGE, featuring information about its courses and location in Albany, Oregon.