

ROAD BUILDING

TIME FOR DRAGGING ROADS

Much Depends on Character of Road Material—No Exact Rule Will Fit All Cases.

If clay is mixed with water and "puddled" and then allowed to dry a hard, almost waterproof, and nearly dustless material is formed. If a smooth, well shaped road could be constructed of this material it would never become very muddy or very dusty, and would be an ideal earth road. Under ordinary conditions this ideal is not realized, because, after being puddled the earth dries in ruts and holes which are rough while dry and which hold water like dishes when it rains. If the muddy road, after



Dragging Road in Fall.

being puddled by the horses' hoofs and wagon wheels, can be smoothed out and properly shaped before drying then the ideal is attained, and this smoothing and shaping is the work accomplished by the road drag. The water standing in pools and puddles is spread out over a larger surface, so that it dries quickly, the minute holes or pores in the clay are smeared over and closed, making the surface more nearly waterproof; the ruts and holes are gradually filled up and made smooth, and just enough earth is moved toward the middle to give the proper crown. The result is a smooth, hard, well-shaped road which will shed water and never become very muddy in wet weather or very dusty in dry weather.

From the above discussion it can readily be seen that dragging should be done when the road is wet, or at least when it is moist. The exact time to drag any given road will depend upon the character of the road material, and no exact rule can be given which will fit all cases. If traffic can be kept off from the dragged portion for awhile then the road may be dragged when it is very wet and sloppy, but if wagons are going to follow right behind the drag, making deep ruts as soon as the old ones are filled up, the dragging must be deferred until the road has partly dried out. Good judgment and experience on the part of the operator will soon tell him what is the best time to drag any given road. Roads which dry out quickly must be dragged immediately after a rain, while others may be allowed to dry for several days before being dragged. Dragging a dry road simply makes it dusty. Dragging should be done, if possible, after every rain, and as soon thereafter as conditions are right.

SURFACING THE FARM ROADS

Materials Ordinarily Used in Building Roads Are Too Expensive—Few Good Suggestions.

Many of the materials ordinarily employed in road construction will be found too expensive for use in improving the farm roads. One or more of the following will, however, usually be found available and within the means of the farmer for surfacing his roads and paths: gravel, mixtures of sand and clay, cinders, brickbats from old buildings, brickyard waste and quarry waste. The material selected should, however, be hard enough to withstand crushing under heavy loads and possess sufficient binding power to compact well and maintain a firm, hard surface under all ordinary weather conditions.

IMPROVE ROADS AND DRIVES

Where Any Considerable Amount of Hauling is Necessary Surface Improvement is Needed.

Roads and drives immediately around the farmyard and barns which are used very frequently are usually of sufficient importance to warrant some surface improvement. Very light or extremely sandy soils cut up badly in dry weather, while certain heavy and absorbent soils become very sticky and soft during the rainy season. Where any considerable amount of hauling is necessary, roads over soils of this character may require to be surfaced.

\$300,000,000 Lost Yearly.

The farmers of the United States have been allowing \$300,000,000 in real money to escape from their pockets each year because of poor roads, according to the testimony of experts who made a survey of the effect of bad roads upon markets for the department of agriculture.

Building Plank Road.

For the sake of economy and convenience, a plank road constructed in portable parts is being laid across the California desert.

Fatigue and Toxin.

The idea that fatigue is due to a specific toxin, as suggested by Weichert early in the century, has been a popular one, but the late investigation of Lee and Aronovitch at Columbia university shows it to have no good foundation. There is nothing, therefore, to encourage the hope that an antitoxin may be found. In the experiments made with animal muscles, a test muscle suspended in the juice of a fatigued muscle lost much in contractile power, but the juice of a non-fatigued muscle produced substantially the same effect.

Largest Poisonous Reptile.

The Surucucu, known as the bush-master, is the largest poisonous reptile in the world, and is fortunately rare and found only in the depths of the jungle and swamps, where man rarely penetrates. It attains a length of twelve to fifteen feet; the color of its body is rose, or rather yellowish pink, with brown patterns and tints of purple. Its bite is almost always fatal. Its fangs are an inch long and as much as ten ounces of venom have been extracted.

Thought and Faith.

Men who are seeking for knowledge in regard to subjects as to which there can, in the nature of things, be none, might well ask themselves whether there is to be no sphere left in human thought in which faith can operate. It was said of Arnold of Rugby that his mind could rest as quietly in the presence of doubt as in that of discovered truth. It is a great thing to be able to believe where we cannot prove.—Exchange.

Floods in Brazil.

The native inhabitants of Brazil have lately been suffering from the disastrous effects of the flooding of the Amazon, whose relentless waters have submerged the countryside for hundreds of miles around. At regular intervals this mighty river overflows its banks, and a famous traveler estimated that no fewer than 5,000,000 natives have lost their lives during the last five centuries through these terrible floods.

He Didn't Know.

In a murder trial six experts were examined. Most of them had a national reputation. A hypothetical question of 20,000 words, which it required two hours to read, was asked of Doctor Jelley, a Boston expert on insanity. The learned doctor answered the question in three words: "I don't know." A frank answer, but rather perplexing to counsel.—Case and Comment.

Figures Time of Falling Stone.

The time a stone would require to fall the 4,000 miles to the center of the earth has been calculated for the Paris Academy of Sciences, by M. Sanger. Considering the influence of the varying density of the earth, he finds the time would be 19 minutes 15 seconds, but if the mean density is assumed to be the condition, the time would be 79 seconds greater.

Our Rabbits.

The term rabbit was formerly more properly applied to the burrowing species of the old world, *Lepus cuniculus* (meaning to burrow), though by common usage our molly cottontail has so long been termed a rabbit that the name will now stand, as will that of Jack rabbit for the big western hare of the prairies and Pacific coast.

Women Better or Worse.

Women, when they are bad, are worse than men and more disposed to commit crime. When the sex which is sweet by inheritance once becomes degraded it falls into greater excesses than the other. Women are always either much better or much worse than men.—Bonaparte.

A Commuter's Ambition.

We'd like to be in a financial position when we take a meal out, as we do once every two or three months with all the regularity of clockwork, to go to some place where "fruits in season" on the menu doesn't mean chiefly bananas.—Ohio State Journal.

Hint to Young Men.

Young men can aid in the conservation of coal and electric current by terminating their calls at a patriotic huff. Besides, every girl needs a certain amount of sleep.—Pittsburgh Gazette-Times.

Typewriting Fades Out.

It has been found that typewriting on parchment deeds is not durable. In deeds deposited within very recent years many lines are illegible and several lines have completely disappeared.

Crayon Will Help.

When someone has knocked a white place in the wall paper copy the proper coloring of the figure with crayons and the spot will not show.

Facial Failure.

He—"Your friend isn't much stuck on her looks." She—"Say, she wouldn't dare shoot her own husband."—Judge.

Scientific Foresight.

"How did the boy get his motorcycle?" "He seized the cycle-logical moment to ask for it."

You Are a Patriotic Farmer!

You will make every acre produce its utmost in food crops, cotton and tobacco, all greatly needed by our country. You will best serve your country and yourself by fertilizing each acre liberally with

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Edgefield Mercantile Co.

Edgefield, South Carolina



Treasurer's Notice.

The County Treasurer's office will be open for the purpose of receiving taxes from the 15th day of October, 1917, to the 15th day of March, 1918.

All taxes shall be due and payable between the 15th day of October, 1917, and December 31st, 1917.

That when taxes charged shall not be paid by December 31st, 1917, the County Auditor shall proceed to add a penalty of one per cent. for January, and if taxes are not paid on or before February 1st, 1918, the County Auditor will proceed to add two per cent. and five per cent. from the 1st of March to the 15th of March, after which time all unpaid taxes will be collected by the Sheriff.

The tax levies for the year 1917 are as follows:

	Mills
For State purposes	8 1/2
Ordinary County	7
Constitutional School Tax	3
Antioch	4
Bacon School District	7 1/2
Blocker	2
Blocker-Limestone	4
Collier's	4
Flat Rock	4
Oak Grove	3
Red Hill	4
Edgefield	8
Elmwood No. 8	2
Elmwood No. 9	2
Elmwood No. 30	2
Elmwood L. C.	3
Hibler	3
Johnston	11
Meriwether (Gregg)	2
Moss	3
Shaw	4
Talbort	2
Trenton	8
Wards	2
Blocker R. R. (portion)	15
Elmwood R. R. (portion)	15
Johnston R. R.	3
Pickens R. R.	3
Wise R. R.	11
Wise R. R.	10
Corporation	3-4
Sinking Fund	3-4

All the male citizens between the ages of 12 years and 60 years, except those exempt by law, are liable to a poll tax of One Dollar each. A capitation tax of 50 cents each is to be paid on all dogs.

The law prescribes that all male citizens between the ages of 18 and 55 years must pay \$2.00 commutation tax. No commutation tax is included in the property tax. So ask for road tax receipt when you desire to pay road tax.

JAMES T. MIMS,
Co. Treas. E. C.

WANTED

Crocus Bags, any size. Bring them to our store and we will pay market price for them.

DAITCH BROS.

Next Door to the Farmers Bank

How To Give Quinine To Children.

FEBRILINE is the trade-mark name given to an improved Quinine. It is a Tasteless Syrup, pleasant to take and does not disturb the stomach. Children take it and never know it is Quinine. Also especially adapted to adults who cannot take ordinary Quinine. Does not nauseate nor cause nervousness nor ringing in the head. Try it the next time you need Quinine for any purpose. Ask for 2-ounce original package. The name FEBRILINE is blown in bottle. 25 cents.

Auditor's Notice.

All persons owning property of any kind whatsoever, or in any capacity, as husband, guardian, executor, administrator or trustee are required to make returns of the same to the Auditor under oath within the time mentioned below and the Auditor is required by law to add a penalty of 50 per cent to all property that is not returned on or before the 20th day of February in any year.

All male citizens between the ages of 21 and 60 years except those exempt by law are deemed taxable polls. The 50 per cent penalty will be added for failure to make returns.

For the convenience of tax payers, I or my representative will be at the following appointed places on the dates mentioned to receive tax returns.

The office will be open to receive returns from the first day of January till the 20th day of Feb. 1918, as prescribed by law.

J. R. TIMMERMAN,
Auditor, E. C. S. C.

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Only One "BROMO QUININE"

To get the genuine, call for full name, LAXATIVE BROMO QUININE. Look for signature of E. W. GROVE. Cures a Cold in One Day. Stops cough and headache, and works off cold. 25c

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We invite our Edgefield friends to visit our store when in Augusta. We have the largest stock of

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For every crop you plan to sow, there's a Planters Fertilizer especially designed to increase the productiveness of your soil. Ask our agent in your town for information, free advice, or prices, or write us direct—NOW. Remember, you should be careful in ordering to specify PLANTERS FERTILIZERS—other brands are unsatisfactory substitutes. Look for the well-known Giant Lizard Trade-Mark, stamped plainly on every bag. It's your protection from dissatisfaction. Do not accept it unless it bears this distinguishing mark. Orders should be placed early to avoid delayed deliveries, due to the congestion of freight and traffic due to the war.

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