

TENNESSEE IN LINE.

METHOD OF CONSTRUCTION ADOPTED BY A GOOD ROADS ASSOCIATION.

No Highway Begun Before Night of Way is Secured For Fully Forty Feet in Width—What May Be Done With \$200,000.

After persistent work with the county officials for eight years past the East Tennessee Good Roads Association has won its battle and the work of constructing highways in Greene county has commenced, says Henry H. Brown, chairman of the county highway commission, writing in the Good Roads Magazine.

As secretary of the association I proposed to the court that I would donate to the county my services as expert road builder (in the direction of the construction of graded dirt roads) if they would purchase the necessary outfit and allow me to employ a competent engineer and foreman. The court granted this request and made a direct levy that gave us the expenditure of \$20,000 for grading the roads and putting in necessary culverts and bridges. My first work was to purchase twenty good mules, twelve two wheeled scrapers, a roller plow, a road plow, a road machine, a road roller and necessary equipment of harness, small tools, stable and sleeping tents and camping outfit.

We designated first a number of roads that we would construct, provided a forty foot right of way were granted over such route as the road could be graded to best advantage, on the easiest places and at the least cost of construction. The citizens along these various lines formed their committees, went to work in earnest and soon we were invited to begin work over three different routes.

Notwithstanding the fact that we have had more rain this season than in any other of the last fifty years, we have constructed six miles of a beautifully graded road, nowhere exceeding 5 per cent grade, with ample tilling, culverts and bridges for assuring its permanency. This road leads out from the county site and will ultimately extend to Warrensburg, a distance of seventeen miles, the extreme southern edge of the county.

After the first six miles of this road was completed, the court ordered a like



ROAD IN GREENE COUNTY, TENN., BEFORE IMPROVEMENT.

amount for constructing a road from Moshell to Romeo, on the north side of the county. Our crew is now at work on that section and expects to finish it in a short time. We are confident of being able to grade thirty-five or forty miles of road with the \$200,000.

This object lesson has converted the people more readily than anything else ever done, and the cry now is, "Road the county for \$200,000; give us the roads at once, and let the taxes we are now paying meet the interest instead of building the roads."

We begin no road before the right of way is secured for fully forty feet in width, and for another road, four miles long, we have asked for sixty feet, which is being rapidly obtained, and will build a road not exceeding 2 per cent grade at any point. Placing a good road where it should be, cutting down the steep hills and giving the farmers an easy pull, is the best argument that can be put up, and when we shall have completed the road in at least five sections of the county leading toward the county seat, there will be no difficulty in carrying the bond proposition with an overwhelming majority.

We have found on one road considerable gravel that will possibly be sufficient to macadamize the six miles now graded, and we purpose to utilize during the winter months our twenty mules and wagons by having the county convicts haul the gravel and place on the same.

Legal blanks at this office.

BAD ROADS IN ILLINOIS.

To Better Them State Will Make Use of Its Convicts.

Convicts of Illinois are assisting in the construction of bad roads by running stone crushers that have recently been installed at both the Joliet and Chester penitentiaries, says a Bloomington special to the New York Evening World. At the former the output is about 400 cubic yards per day, filling eleven of the largest cars. It is planned to increase the output shortly to twenty cars per day.

Any county or township that will undertake to build hard roads will be given all they want of this crushed rock free, the only expense being that of the freight from the penitentiary to the destination. Illinois is said to possess more miles of poor highway than any other state in the west.

The state highway commission has now taken up the question of constructing sample stretches of roads in various counties of the state.

The first plan is to thoroughly tile the road so as to drain off all water. The dirt is then brought to a cone in the center and thoroughly rolled. Three layers of crushed stone of varying size follow, each being rolled in turn. The road is then declared completed.

Caring For Brood Mares.

The brood mares—in fact, all the horses and colts that are not at work in the winter—should be turned in a good sized yard every day unless it is stormy. This yard should not be icy, as there is danger of their falling and getting hurt. We stable all our horses and colts nights and feed them twice a day oats and clover hay with some bran, writes David Lurie in American Cultivator.

When spring comes, be careful with the brood mares and any other horses that may have been idle during the winter. Work them lightly at first, taking some time to get them used to work. In this way you can do more and have your horses in better condition when you are through with the spring work.

I prefer to have the colts come about the 1st of June, as by that time we have our spring work done and can give the mares a better chance. Have a clean, roomy box stall. It is well to whitewash it every year and disinfect it with some good disinfectant. Be on hand when the little fellow appears. Feed the mare lightly for a few days, increasing her feed gradually. If you have to work the mare, never let the colt follow her. Keep it in the stable and bring the mother in in the middle of the forenoon to let the colt suck. The colt will soon learn to eat oats with his mother. Give him all he will eat twice a day or leave the lid of the oat box open and let him help himself. If the mare and colt are on pasture, feed her night and morning, so the colt will learn to eat oats.

Feed Important.

We have heard a lot about blood and breeding. Let's think a bit about feed and feeding. It is worth more than blood. Many a man has gone to work on the rock of blood alone. He thought his duty done with good blood added to his flock. His pure bred rams were supposed to make full feed racks unnecessary. There is no more fatal mistake, says a writer in Kimball's Dairy Farmer. If the sheep are to starve for a part of the year they had better be of unimproved blood. The Mexican, the Merino, the ill shaped sheep of Tennessee, any of these can stand starvation better than the well bred sheep. Before those good rams come pile up the hay. If it is prairie hay cut it while the sap is in it, while it is yet green. Only the sap will digest and stick to the ribs. Cut it before that is dried up. Make meadows of alfalfa. Sow broom grass. Sow rape. Make any and all provision for winter feed. Then you are in position to get the advantage of your good blood.

A Practical Illustration.

A country exchange in commenting on the value of improved roads and the people living along them states that one pair of horses can do the work of two pairs in hauling loads and gives as an example that one of the leading farmers of the community was seen driving over a newly completed road with a big load of hay. Closely attached to the wagon in the rear was a second wagon heavily loaded with straw and going along as though no load whatever was behind.

Legal blanks at this office.

Notice to Our Customers.

We are pleased to announce that Foley's Honey and Tar for coughs, colds and lung troubles is not affected by the National Pure Food and Drug laws as it contains no opiates or other harmful drugs, and we recommend it as a safe remedy for children and adults. Belt & Cherrington, Dallas; M. L. Thompson, Falls City.

The Wood River marsh, in Klamath county, covering thousands of acres, may be drained.

Orino Laxative Fruit Syrup is best for women and children. Its mild action and pleasant taste makes it preferable to violent purgatives, such as pills, tablets, etc. Get the booklet and a sample of Orino at Belt & Cherrington's, Dallas; M. L. Thompson's, Falls City.

Two Wheeler county men claim to have killed 500 squirrels on a hunting trip.

Disturbed the Congregation.

The person who disturbed the congregation last Sunday by continually coughing is requested to buy a bottle of Foley's Honey and Tar. Belt & Cherrington, Dallas; M. L. Thompson, Falls City.

An electric road may be built between Klamath Falls and Merrill.

More News from the New England States.

If anyone has any doubt as to the virtue of Foley's Kidney Cure, they need only to refer to Mr. Alvin H. Simpson, of Winona, Conn., who, after almost losing hope of recovery, on account of the failure of so many remedies, finally tried Foley's Kidney Cure, which he says was "just the thing" for him, as four bottles cured him completely. He is now entirely well and free from all the suffering incident to acute kidney trouble. Belt & Cherrington, Dallas; M. L. Thompson, Falls City.

An Irrigan Asparagus stalk has grown 16 inches this spring.

Don't Pay Alimony.

I prefer to have the colts come about the 1st of June, as by that time we have our spring work done and can give the mares a better chance. Have a clean, roomy box stall. It is well to whitewash it every year and disinfect it with some good disinfectant. Be on hand when the little fellow appears. Feed the mare lightly for a few days, increasing her feed gradually. If you have to work the mare, never let the colt follow her. Keep it in the stable and bring the mother in in the middle of the forenoon to let the colt suck. The colt will soon learn to eat oats with his mother. Give him all he will eat twice a day or leave the lid of the oat box open and let him help himself. If the mare and colt are on pasture, feed her night and morning, so the colt will learn to eat oats.

The crop of lambs is lighter than usual, owing to the cold weather.

Mrs. S. Joyce, 180 Sullivan St., Claremont, N. H., writes: "About a year ago, I bought two bottles of Foley's Kidney Cure. It cured me of a severe case of kidney trouble of several years' standing. It certainly is a grand, good medicine, and I heartily recommend it." Belt & Cherrington, Dallas; M. L. Thompson, Falls City.

A farmer sold 42 chickens in Lebanon for \$26.

A Narrow Escape.

G. W. Cloyd, a merchant of Plunk, Mo., had a narrow escape four years ago, when he ran a jinjon bar into his thumb. He says: "The doctor wanted to amputate it but I would not consent. I bought a box of Bucklen's Arnica Salve and that cured the dangerous wound. 25c at Belt & Cherrington, Druggist."

Farmers are wanting rain; ground too dry.

Wonderful Eczema Cure.

"Our little boy had eczema for five years," writes N. A. Adams, Henrietta, Pa. "Two of our home doctors said the case was hopeless, his lungs being affected. We then employed other doctors but no benefit resulted. By chance we read about Electric Bitters; bought a bottle and soon noticed improvement. We continued this medicine until several bottles were used, when our boy was completely cured." Best of all blood medicines and body building health tonics. Guaranteed. Belt & Cherrington drug store. 50c.

Myrtle Creek will have a prune packing plant.

My Best Friend.

Alexander Benton, who lives on Rural Route 1, Fort Edward, N. Y., says: "Dr. King's New Discovery is my best earthly friend. It cured me of asthma six years ago. It has also performed a wonderful cure of incipient consumption for my son's wife. The first bottle ended the terrible cough, and this accomplished, the other symptoms left one by one, until she was perfectly well. Dr. King's New Discovery's power over coughs and colds is simply marvelous." No other remedy has ever equalled it. Fully guaranteed by Belt & Cherrington, Druggist. 50c and \$1.00. Trial bottle free.

Ranier will build a new \$7,000 schoolhouse.

Do You Love

your baby? You wonder why he cries. Buy a bottle of White's Cream Vermifuge and he will never cry. Most babies have worms, and the mothers don't know it. White's Cream Vermifuge kills the child of worms and cleans out its system in a pleasant way. Every mother should keep a bottle of this medicine in the house. With it, fear need never enter her mind. Price 25c. Sold by Starlin Drug Co.

Klamath Falls will have a new \$4,000 Methodist church.

The Life Insurance

muddle has started the public to thinking. The wonderful success that has met Ballard's Horehound Syrup in its crusade on Cough, Influenza, Bronchitis and all Pulmonary troubles has started the public to thinking of this wonderful preparation. They are all using it. Join the procession and down with sickness. Price 25c, 50c and \$1.00. Sold by Starlin Drug Co.

Larkspur killed over 100 of a Lake county man's sheep.

Kidney complaint kills more people than any other disease. This is due to the disease being so insidious that it gets a good hold on the system before it is recognized. Foley's Kidney Cure will prevent the development of the disease if taken in time. Belt & Cherrington, Dallas; M. L. Thompson, Falls City.

The Toledo postoffice shows a gain of 25 per cent in a year.

THE FEEDER.

Grain mixtures are more satisfactory than unmixed grain. It seems that the sheep like the mixture better and make more rapid gains.

Feeding Hogs Corn.

It has been proved by a series of experiments that corn alone is the most expensive feeding stuff for hogs. One part of oilmeal and four parts of corn made a gain of 1.18 pounds of pork at a cost of \$2.75 per hundred. Corn alone makes just about half as much gain at a cost of \$3.75 per hundredweight. This represents the two extremes in the experiment. It is possible that some farmers may see in this the reason why they have not been making more from their hogs. The average man has plenty of corn and his cry of oilmeal depends upon the liberality with which he buys. It seems expensive to buy feed when the pigs are full and running over. As a matter of fact it is economical, says Kimball's Dairy Farmer. It does not pay to confine the hogs to one feed.

Gluten Products For Horses.

Gluten products for horses may be fed with good results in connection with oats, corn or other grain. Begin by giving to each horse each day about half a pint or half a pound of gluten feed or gluten meal. After a few days increase slightly, but at no time should these concentrated feeds constitute more than from one-fourth to one-half the horse's grain ration.

Feed For Young Lambs.

A writer in Breeder's Gazette, Chicago, gives the following treatment for a motherless lamb, the mother dying at its birth: Take four teaspoonfuls of fresh milk, one of cream, two of water and add a little sugar. That is a feed for a quite young lamb, and it is fed every ninety minutes and three or four times during the night at first. The feed is increased gradually day by day, but not till after the third day. A hungry lamb is safe, so he is not too hungry. When a week old the lamb is fed once in two hours, and gradually the time of feeding lengthens with age and the amount of feed increases.

Oats as Stock Food.

Oats are less digestible than corn chiefly on account of the large percentage of hull which they contain. They have a much higher percentage of protein than corn, especially when considered in relation to digestible matter. They are the most satisfactory single grain for feeding horses. They are not suitable for hogs on account of the large percentage of crude fiber. They may possibly form a part of an economical ration for dairy cows, although in general the demand for them for horse feeding is so great that the price is nearly always out of proportion to the amount of digestible matter contained.

Boyer's Poultry Philosophy.

Michael K. Boyer, one of the nestors of poultry journalism, has the following nuggets of wisdom in the Farm Journal: Regularity in the performance of the work is important. System simplifies the work and brings order out of chaos. A reputation for honest goods and honest dealing is bound to bring success.

Close attention and thorough work will prevent disaster and save time, labor and money.

The poultry raiser who is constantly complaining about "bad luck" is advertising the fact that his methods are at fault.

Take "volunteered advice" with "a grain of salt." Wise men do not need to advertise their wisdom. No one knows it all.

Some one once said, and truthfully, too, that poultry culture is made up of a chain of little things, one link out of place making a bad kink in the whole chain.

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EFFECTIVE FEBRUARY 1, 1907.

No. 7	No. 9	No. 11	No. 1	No. 3	No. 5	No. 2	No. 4	No. 6	No. 8	No. 10	No. 12
Freight	Freight	Freight	Pass. & Freight	Pass. & Freight	Pass. & Freight	Pass. & Freight	Pass. & Freight	Pass. & Freight	Pass. & Freight	Pass. & Freight	Pass. & Freight
A. M.	A. M.	P. M.	A. M.	A. M.	P. M.	A. M.	P. M.	P. M.	A. M.	A. M.	P. M.
			7:15	11:30	3:20	Lv. DALLAS	Ar. 9:30	1:45	5:15		
			7:34	No Stop	3:39	Ar. "TEATS"	No Stop	No Stop	No Stop		
			7:38	No Stop	3:43	Ar. "GILLIAMS	Ar. 9:32	No Stop	4:47		
			7:43	No Stop	3:48	Ar. "BRIDGEPORT	Ar. 9:37	No Stop	4:42		
6:00	9:00	1:30	7:55	11:50	4:00	Ar. FALLS CITY	Ar. 9:45	1:00	4:30	8:30	11:45
6:30	9:30	2:00				Ar. "BLACK ROCK	Lv. 9:45			7:45	11:00

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Cured of a Chronic Cough.

J. H. Ellis, Butte, Mont., writes: "I cheerfully recommend Ballard's Horehound Syrup to all people afflicted with chronic coughs. I suffered for years with a chronic cough which would last all winter. Ballard's Horehound Syrup effected an immediate and permanent cure." 25c, 50c and \$1.00.

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