

ROAD AND FARM IMPROVEMENT

CATALPA SPECIOSA.

Figures Calculated to Show That Forestry Can Be Made to Be a Profitable Occupation.

There are two varieties of Catalpas indigenous to the United States. One, Catalpa bignonioides, is found along the south Atlantic coast, and is not hardy north of the Ohio river. The other Catalpa speciosa, is a native of Ohio, Indiana and the southwest, and is perfectly hardy throughout Ohio. It is a very rapid grower, and the wood is almost indestructible. The wood is used for fence posts and ties. It takes on a fine polish for inside work. As it is naturally a spreading-top tree it should be planted closely to force it to grow upright. There has been planted about 600 acres to Catalpa speciosa at Farlington, Kan., for the Kansas City, Fort Scott & Gulf railroad, and about 400 acres for Mr. Hunnewell, the president of the road.



INDIANA CATALPA SPECIOSA.

about four miles southwest of the Farlington plantation. These plantations were made on land so poor that the railroad company could not sell it. While the surrounding sections were sold at \$12.50 per acre, these sections went unsold at five dollars. In no place was there over two feet of good soil. In a large part of the plantations it was not to exceed ten inches, and in places the subsoil or gumbo came to the surface and could only be plowed in the driest weather. These plantations were sadly neglected after the contractors turned them over; 2,720 trees were planted per acre, or four by four feet. The weaker trees were to have been cut out when the trees began crowding. This, however, was neglected for a number of years longer than it should have been. But now, at the end of 21 years, the government has sent foresters who thoroughly inspected the plantations, and their reports are issued in bulletin No. 37, "The Hardy Catalpa." I take the following figures from their reports. The total cost per acre at the end of 21 years for the Farlington plantation is \$124.06. This includes cost of establishing as per contract \$30, rent of land 21 years at two dollars, \$42; cost of thinning, 62 cents; estimated cost of marketing products at one cent per post, \$36.14; cost of superintendence 21 years at 75 cents per year, \$15.50; total, \$124.06. Basing their estimate on what had been already sold and estimating the remainder the value of an acre when 21 years old was \$390.21, or \$265.70 as the net return on the investment. The Hunnewell plantation, planted three years later than the above, averaged a total cost per acre at the end of 18 years of \$110.30. Timber sold and still standing, \$376.30 per acre, or a profit of \$266.10.

The Catalpa is grown from seed, and is sold very cheaply by nurserymen. Unless one wants to make a very large plantation this is the best way to get the plants. At the Farlington and Hunnewell plantations the land was marked off crosswise with a corn marker sat at four feet, the trees being planted at the intersections. Two men and one boy to carry the trees would plant 4,000 to 4,800 per day. I would advise those interested in Catalpa speciosa to write to the forestry department at Washington for bulletin No. 37.—Thomas H. Douglas, in Rural New Yorker.

The Value of Manure.
Matters will never be right in farming until the manure produced on the farm is regarded in the nature of a crop. It certainly has a money value—as much as hay, corn or cotton. Just as soon as we view the case in this way we will aim at making a big crop of manure much as we would a big crop of corn; and then we will no more allow part of the manure crop to go to waste than we will part of the wheat or hay crop.—Barnum's Farmer.

Plums are coming again in fashion as curculio decreases under scientific treatment.

THE BROWNLOW BILL.

State Legislators Like the Measure and Think It Will Solve the Road Question.

Congressman Brownlow, of Tennessee, says that his good roads bill is the most popular measure introduced in congress since the civil war. He says that even the democratic legislature of his own state has indorsed it, and that the legislatures of Minnesota, Missouri, Alabama and New Mexico have taken similar action; and that he believes the bill will be indorsed by the legislature of every state in the union, if that is necessary, in order to press upon congress the importance of the measure. The following is a copy of the resolution as adopted by the legislature of Minnesota:

"Whereas, the burden of improving and maintaining our highways according to the general prevailing system in this country rests entirely upon the agricultural lands and people living in the rural districts, and

"Whereas, the state-aid plan for constructing highways, as practiced in the states of New Jersey, New York, Connecticut and Massachusetts, has proven satisfactory in its operation, and has offered a partial solution of the road question in that it distributes this burden of cost so that one-half is paid out of a general fund supplied by the state, and

"Whereas, it is desirable to extend this principle of cooperation and distribution of the burden of cost to a still greater extent, so that the government of the United States shall bear a share of the cost of construction to be paid out of the general revenues of the United States, and

"Whereas, one-half of said revenues, aggregating during the last two years \$1,000,000 per annum, is derived from the agricultural states and rural districts, while only ten per cent. of the total amount is appropriated by congress for the use of said agricultural states and districts, while 90 per cent. is appropriated for public buildings and other uses pertaining to great cities, and

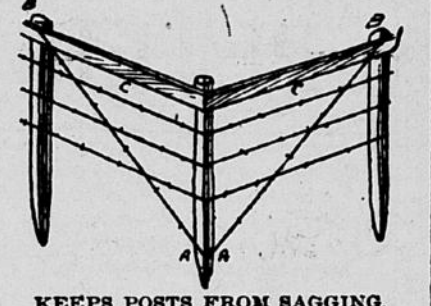
"Whereas, Hon. Walter P. Brownlow, member of congress from Tennessee, has introduced a bill in the United States house of representatives, providing for a system of national, state and local cooperation in the permanent improvement of the public highways, according to the provisions of which the sum of \$20,000,000 is appropriated, and the United States government is to pay one-half of the cost of improving any public highway when requested so to do by, and in cooperation with, any state or civil subdivision thereof; therefore, be it

"Resolved by the general assembly of the state of Minnesota, that we hereby heartily indorse said Brownlow bill, and recommend its passage by congress, and that we request the representatives from the state of Minnesota in congress, and instruct the United States senators from this state, to vote and support said bill."

BRACING CORNER POSTS.

The Device Here Described is Designed by its Inventor as Superior in Every Way.

I have used several methods, but have discarded all of them for the one illustrated herewith. I regard it as being superior in every way. It is thoroughly effective, is easily made, is neat and wholly devoid of dangerous features. It is made as follows: Drive or set the corner post and four to eight feet from it on each side put an additional post. Put on stay wires first from bottom of corner post to top of brace posts and after drawing them tight, staple securely in position. Next nail on six-inch fence boards or poles at top so as to leave the stay wires perfectly tight. It is then ready for the wires and if it has been well made the corner post will never pull up.—Z. T. Russell, in Orange Judd Farmer.



Scarcity of Cotton Seed.
It is estimated that about three-fourths of the cotton-seed product mills of Texas have shut down on account of the scarcity of the seed. The mills have been paying from eight to ten dollars per ton for the late pickings; but it is of poor quality and will make inferior stock. In spite of poorer quality they expect to get higher prices for the products, however, on account of the scarcity of the seed. Although a little cotton is opening, most of the bolls that have been hanging on the stalks have rotted; and there is no prospect of further receipts of seed of good quality. There is no prospect that feeders will be able to get their cottonseed meal at any better figures during the next 12 months.

Best Is None Too Good.
It pays to have a good dairy barn. Money is well invested in such an improvement. We have known farmers that were well-to-do and yet all their lives never owned a decent barn for the housing of their dairy cows. Barns dark in summer and cold in winter are not places in which the cows can be comfortable or their keepers happy while they are working around them.—Farmers' Review.

LOVE DESCRIBED.

As It Is in That Delightful Season When the Bumble Bees Begin to Hum.

Judge Ryder in the Granite Enterprise describes his own love affair, says the Kansas City Journal. "As early as last spring, when the grasshoppers first began to hop and the bumble bees first started on the hum, when the bob white was whistling up his mate and the spring poet was springing his poetry, Judge Ryder, who had bustled in this breathing world for 34 long summers, showed symptoms of a he-dove nature. He had met the enemy of his bachelorhood and was her'n. A courtship was begun, a result of which is now a part of Granite and Greer county history. Such results have been the culmination of such beginnings ever since Eros seized his life-giving arrows and pierced the cold bosom of this old earth, and such will be the culmination of such beginnings, dear reader, till the end of the chapter. The matrimonial bond is the most sacred of all human contracts. It is dated by nature, advocated by Cupid and smiled upon by Providence. It removes the cloud on the title of a man's right to citizenship, and completes the existence of woman, which is love. A man's existence without the clinging love of a good wife is as bare and desolate as a lattice gallery which does not support a morning glory in the spring."

HIS TIME WAS NOT UP.

And Father Made Him Take Off His Good Clothes and Work Another Half Day.

A man of a mercenary spirit had several sons, one of whom was on the eve of his twenty-first birthday. The father had always been a strict disciplinarian, keeping his boys well under parental charge, allowing them few liberties and making them work hard, relates Youth's Companion. It was with a feeling of considerable satisfaction that the young man rose on the morning of his birthday and began to collect his personal belongings preparatory to starting out in the world.

The father, seeing his son packing his trunk, which he rightly judged to be evidence of the early loss of a good farmhand, stopped at the door of the young man's room and asked what he was going to do. The boy very promptly reminded his father of the day of the month and the year, and declared his intention of striking out in the world on his own account.

"Not much you won't," shouted the old man, "at least not for awhile yet. You wasn't born until after 12 o'clock, so you can just take off them good clothes and fix to give me another half-day's work down in the potato patch."

How Pat Lost His Beauty.
"At the Art Students' league, where I studied in 1884 and 1885," said D. Gibson, the illustrator, "there used to pose for me an extremely unprepossessing Irishman. This fellow was asked by a young girl one day how he came to be so ugly."

"You see, miss," he replied, "it came about like this. When I was a baby there wasn't a prettier, sweeter child in all Ireland, and I should have grown up to be a very handsome and attractive man by rights; but my mother put me to nurse, and the nurse changed me for the ugly, ill-favored creature that I am."—N. Y. Tribune.

The Place for It.—"What are you snorting about?" asked the young walrus of the old one, who was perusing a scrap of newspaper. "Here's a doctor who says it's unhealthy to go into the water after a meal. How would we get it if we didn't?"—Philadelphia Press.

Not Strikingly Noble.—"So your daughter is going to marry a nobleman." "Yes," answered Mr. Cumrox; "but he's only a nobleman by profession. Personally I must say he strikes me as a pretty common sort."—Washington Star.

Sarcasm is a poor weapon with which to fight the devil, a poorer one with which to win friends.—United Presbyterian.

"Was Robert of Normandy very evil, papa?" "No, my child, he was only medieval."—Princeton Tiger.

The man who rails at matrimony in public usually deserves the sort of wife he has.—Town Topics.

Daylight and truth meet us with clear dawn.—Milton.

Everett, Mass.—I received the sample of Doan's Pills and they stopped all my trouble of pain in the back, from which I have suffered for two years. I am a sole-leather cutter, and being on my feet and lifting heavy dies all day, appreciate the help Doan's Pills have given me. I feel like a new man.—Geo. A. Burgess, 163 Belmont Street.

St. Louis, Mo.—Received sample, and am on my first bottle from the druggist—they helped me wonderfully. I had a feeling of wanting to urinate all the time, and trouble in passing, burning and itching. That is all gone now, and I feel thankful.—E. K. STEVENSON, 3351 Easton Ave.

Aspen, Colo., April 10, 1903.—Doan's Kidney Pills accomplished the desired result in my case—relief came the second day after I commenced taking them. I was troubled with retention and dribbling of the urine. Now it is natural and free as ever in my life.—D. L. STAFFORD.

Consult our Physician by mail; medical advice free.

GET RICH QUICK!

Every day, every hour, lost in sickness, represents so much money out of your income. If not in cash, then in life. Do not allow yourself to get sick, or, if sick, get well as you can. TAKE OZOMULSION. Ozomulsion relieves pain in lungs, liver, kidneys and stomach. Aids digestion. Improves appetite. Restores lost health. It does it because IT IS A FOOD, delicately impregnated with natural

"PE-RU-NA SAVED MY LIFE,"

Writes Mrs. W. McRoberts.

Women Made Strong and Happy Mothers. Catarrh of the Pelvic Organs is a frequent Cause of Barrenness. Pe-ru-na Eradicates Catarrh from the System.

To the woman of ancient Israel not to become a mother was regarded as the greatest of earthly calamities. To become a mother—more especially the mother of a strong, healthy boy—was the height of glory for the faithful woman of the good old Bible days. Even now, when maternity is not esteemed as of yore, the mother of healthy children is an object of admiration, and sometimes envy, by her neighbors. As compared with ancient peoples, the average American woman has a low appreciation of motherhood. There are, however, a great many exceptions to this statement. The accompanying letters from grateful women who have been made strong, healthy and happy mothers need no added words of ours to make them convincing. Catarrh had weakened and impaired their entire systems. Peruna made them sound and well. Mrs. L. M. Griffith, Arco, Idaho, writes: "Your medicine did me a wonderful amount of good. It cured me of barrenness. I am 30 years old and never had any children; but since beginning your



"I Do All My Household Work and Take Care of My Baby and I Feel So Good."

A YOUNG MOTHER'S LETTER.

Mrs. W. McRoberts, writes to Dr. Hartman from Delano, Miss., the following:

Dear Sir:—I feel perfectly well of catarrh. I did as you directed me to and took Peruna and Manalin. The third of March I gave birth to a 10-pound baby girl and we are both well and happy. I am very thankful to you, and Peruna saved my life. I recommend it to everyone and can't praise it enough. I send you my own and my baby's picture. She is so sweet and good—she is a Peruna baby. I have such good health now. I do all my household work and take care of my baby, and feel so good. There are three or four of my neighbors using Peruna now, since it did me so much good. They were just run down, and they think it is fine. It is so good to give strength.—Mrs. W. McRoberts.

Did It Ever Occur to You

to note the rapid development of East Texas as a truck and fruit-growing country? No? Then write for the pamphlet "Timely Topics No. 2" and become convinced that the resources of Texas are illimitable. Address "Katy," 500 Wainwright, St. Louis, Mo.

Uncle Reuben says: Memory was given to humanity that it might look back on a think of all the good things we have done for the world, an' how little the world has done for us in return.—Detroit Free Press. Even the very old colleges still retain their faculties.—Chicago Daily News.

Well Up.
The Professor—Have you had any musical education at all?
Prospective Pupil—Oh, yes, sir! I can pronounce Paderewski, Tchaikowski and Gabilowitch.—Woman's Home Companion.

Nell.—"Would you marry a man just because he happened to be rich?" "Best—Of course not. But, then, I would try awfully hard to get him to marry me."—Comic Cuts.

It may be foolish to struggle against the inevitable, but we all have more or less admiration for the man who refuses to let it kick him out in the first round.—Puck.

I have used your Peruna and Manalin.

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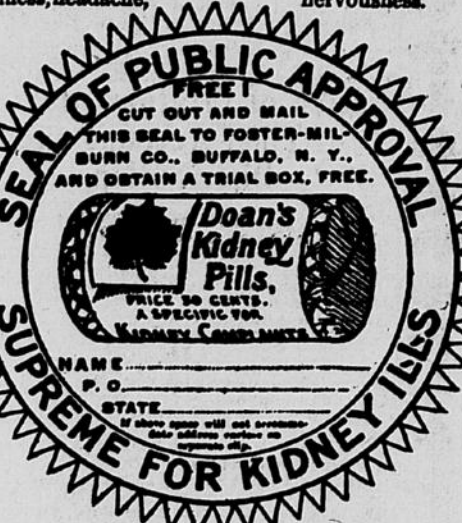
DOAN'S CHANGE DOUBT TO GLAD SURPRISE

Aching backs are eased. Hip, back, and loin pains, limb swellings and droopy signs vanish. They correct urine with brick dust sediment, high colored, pain in passing, dribbling, frequency, bed wetting. Doan's Kidney Pills remove calculi and gravel. Relieve heart palpitation, sleeplessness, dizziness, headache, nervousness.

BURLINGTON JUNCTION, Mo.—I received sample of Doan's Pills and they are all that is claimed, they relieved a pain in my back, and did all that was represented.—C. C. RAY, R. F. D. No. 1.

TAYLORSVILLE, Miss.—No man can tell the good of Doan's Kidney Pills until he tries them for a weak back. I tried everything and got no relief until I used Doan's Pills.—J. N. LEWIS.

WEST BRANCH, MICH., April 11th.—Many thanks for the sample of Doan's Kidney Pills. We had tried many remedies with little benefit but found Doan's act promptly, and hit the case, which was an unusual desire to urinate—had to get up five and six times of a night. I think Diabetes was well under way; the feet and ankles swelled. There was an intense pain in the back, the heat of which would feel like putting one's hand up to a lamp chimney. I have used the free trial and two full boxes of Doan's Pills with the satisfaction of feeling that I am cured. They are the remedy par excellence.—B. F. BALLARD.



Consult our Physician by mail; medical advice free.

WET WEATHER COMFORT

There is no satisfaction keener than being dry and comfortable when out in the hardest storm. YOU ARE SURE OF THIS IF YOU WEAR



"Klean, Kool Kitchen Kind"
This Trade Mark appears on Cooking Stoves of highest merit. The make no smoke, smell, soot, dirt, noise or excessive heat. Save time and money. Economical and safe and always ready. Can be moved from room to room. Cooking and baking can be done on the "Klean, Kool Kitchen Kind" as readily as on any other stove but quicker, with more comfort and in a Klean, Kool Kitchen, with good stove stores. Ask to see the Trade Mark.



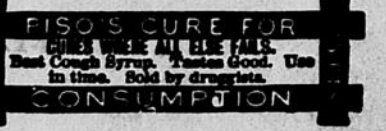
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is attracting more attention than any other district in the world. "The Granary of the World." "The Land of Sunshine." The Natural Feeding Grounds for Stock. Area under crop in 1902 . . . 1,967,338 acres. Yield 1902 . . . 117,922,754 bushels. Abundance of Water: Fuel Pictorial; Cheap Building Material; Good Grass for pasture and hay; a fertile soil; a sufficient rainfall and a climate giving an assured and advantageous season of growth. 800,000 ACRES FREE. LANDS OF 160 for entry. Close to Churches, Schools, etc. Railways tap all settled districts. Send for Atlas and literature to Superintendent of Immigration, Ottawa, Canada, or E. T. ROTTER, 215 Jackson Street, St. Paul, Minn.; T. O. CURRIE, Callahan Bldg., Milwaukee, Wis.; W. H. ROBERTS, Box 116, Wadena, Minn.; J. C. HILL, Grand Forks, N. D.; J. M. MACLACHLAN, 30 Third Street, Wausau, Wis. Attention: Canadian Government Agents, who will supply you with certificate giving you reduced railway rates, etc.

Indian Land Sales.

The inherited Indian lands on the Devils Lake reservation (North Dakota) will be sold, commencing May 5. Sale will be continued every Saturday thereafter until all lands of deceased Indians are sold. Maps and descriptions of lands, with rules for their conveyance, furnished for 25 cents. Address: THE OREGON-ANTLER VALLEY ADVANCEMENT ASSOCIATION, Oberlin, N. Dakota.

A. N. K.—G 1908



medicaments, which purify the blood and vitalize the nerves. Ozomulsion contains cod liver oil, guaiacol, glycerine and hypophosphites. It can be depended on to build you up to health. For sale by druggists in large bottles weighing two pounds for one dollar. TRY IT FREE! Free sample will be sent to everyone who will send their complete address to OZOMULSION FOOD CO., 98 Pine Street, New York.