









INJURIES TO SHADE TREES.

Dr. Stone of Massachusetts Discusses Shade Trees and Electricity. Dr. George E. Stone of Massachusetts...

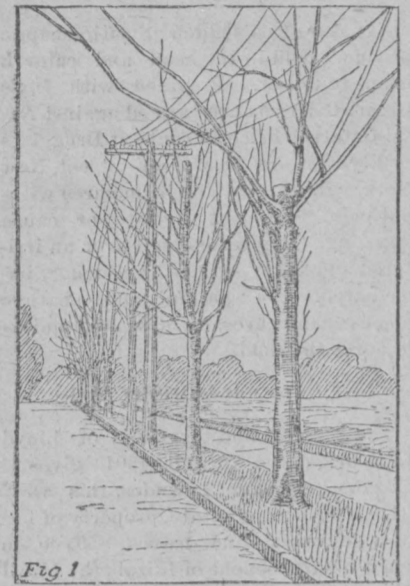


FIG. 1. DESTRUCTION OF TREES CAUSED BY ELECTRIC WIRES.

Lines which have their wires located usually adjacent to the tree belt, necessitate a large amount of disfigurement by pruning...

A considerable amount of damage occurs to shade trees by wires, causing abrasions, destruction of limbs and leaders, burnings and necessitating much injudicious pruning.

The greatest amount of damage caused by trees by alternating and direct currents is by local burnings (Fig. 2). The higher the electro motive force (voltage) the more injury is likely to occur to trees.

There is practically little or no leakage from wires during dry weather. In wet weather, however, when a film of water is formed on the bark, more or less leakage is likely to occur, and if the insulation is insufficient and contact with the tree exists grounding takes place and burning, due to arcing, results.

No authentic cases have been observed by us where the alternating current employed for lighting service has killed trees, though there are authentic cases, extremely rare, where the direct current used in operating street railroads has killed large shade trees (Fig. 3). This has been accomplished by reversing the polarity, causing the positive current to traverse the rail and the return current the feed wire, which usually carries the positive.

The high resistance offered by trees and plants in general serves as a protection against death from electrical contact.

The physiological effect of the direct current on vegetable life differs from that of the alternating. The latter current acts more as a stimulus to the plant than the former.

There is evidence to support the idea that a current of not sufficient strength to cause burning may overstimulate the plant and cause a retardation of its activities which will subsequently result in death.

Earth discharges during thunderstorms are more common than are generally supposed, and they are known to disfigure and cause the death of trees (Fig. 3).

Buckwheat Crop. The preliminary estimate of the bureau of statistics on the buckwheat crop is an average per acre of 10.9 bushels against an average yield of 17.7 bushels in 1903, 18.1 bushels in 1902 and a ten year average of 17.9 bushels. The average for quality is 91.5 per cent against 91.4 last year, 85.1 in 1902 and 93.3 in 1901.

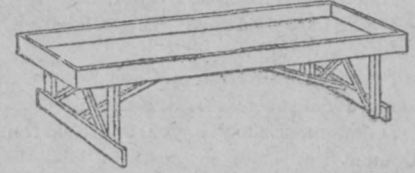
A Willing Victim. "A burnt child dreads of fire," said Uncle Eben, "but de man dat done los' his money on a boss race goes around lookin' fob another tip."—Washington Star.

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FEEDING IN YARDS.

A Satisfactory Grain Trough When Fattening Cattle Out of Doors. Fattening cattle out of doors in yards with sheds attached for shelter during severe weather is a practice growing in favor among cattle feeders.



THE GRAIN TROUGH.

Yards about the country they meet quite the requirements of both. In feeding cattle in large numbers one is very apt to give hay or roughage while the cattle are eating their grain. If a combination rack and feed trough is being used this is unsatisfactory.

The diagram here shown illustrates the kind of trough I am using, and in every respect it gives entire satisfaction. In beginning the construction three one foot planks were spiked together with 2 by 4 pieces, thus making the trough proper three feet wide and sixteen feet long. For legs 2 by 4's were used. The length of legs will depend somewhat upon the age of cattle being fed. Most of my cattle are two and will conveniently reach the trough two and a half feet from the ground.

UNTHINKABLE AGRICULTURE

Secretary Wilson's Annual Report Tells of Startling Values.

The corn crop of 1904 yields a farm value greater than ever before. The farmers could from the proceeds of this single crop pay the national debt, the interest thereon for a year and still have enough left to pay a considerable portion of the government's yearly expenses.

Horses and mules reach the highest point this year, with an aggregate value exceeding \$1,335,000,000. On the other hand, cattle, sheep and hogs all show a slight decline.

The steady advance in poultry leads to some astonishing figures. The farmers' hens now produce 3,036,000,000 dozens of eggs, and at the high average price of the year the hens during their busy season lay enough eggs in a single month to pay the year's interest on the national debt.

After a careful estimate of the value of the products of the farm during 1904, made within the census scope, it is safe to place the amount at \$4,000,000,000,000, excluding the value of farm crops fed to live stock in order to avoid duplication of values.

Some comparisons are necessary to the realization of such an unthinkable value, aggregating nearly \$5,000,000,000. The farmers of this country have in two years produced wealth exceeding the output of all the gold mines of the entire world since Columbus discovered America.

Cross Eyed Corn. The stalk bears two handsome ears of corn, as perfect as one often sees. The eight rowed ear measures eight and three-quarter inches from tip to butt, the twelve rowed ear eleven inches.

Lucky Stars. "I had a very successful season," said the prosperous looking theatrical manager. "Well, you can thank your stars for that," replied the seedy looking manager.—Yonkers Statesman.

Inclining to Perjury. Lawyer—Did the defendant to your knowledge ever incite another to perjury? Witness—Yes. Once I heard him ask a woman her age.

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A NOTABLE MEETING.

Held in the Interest of "Woman's Rights" in 1701.

The first recorded public meeting in the interest of "woman's rights" was held in the town of Medford, Mass., in 1701. The gallery of the church was occupied by the young unmarried people of the congregation, one side and one half the front gallery being given to the young men, the other side and the other half being given to the young women.

Then it was that things began to happen. Treatment like this wasn't to be tolerated even for a moment. The blood of the future mothers of the Revolution was fully aroused, and the young women made such an uproar and commotion that it speedily became a town matter, and a town meeting was called to restore to them their rights in half of the front gallery.

The young men of the day were bitterly opposed to extending any new privileges to women, and the fight extended beyond Medford. Shortly after the introduction of "pews" into the churches, by which families were separated from the remainder of the town of Newbury gave permission to a group of young women to build a "pew" in the gallery of the church upon their own side of the house.

Because this great medicine relieves stomach pains, frees the congested bowels and invigorates the torpid liver and weakens kidneys. It is necessary in the home where Theodor's Black-Draught is kept.

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A Raise of a Hundred a Night. A prominent actor told of a super who went to the manager of a successful play after it had been having a long metropolitan run and demanded a raise of salary. "Sir," he said, "I have been playing my part for a hundred consecutive nights with the utmost zeal and care. Don't you think I should have a raise?"

A man in the third act, sir," replied the actor, apparently astonished at the question. "I have to stake \$100 in the gambling scene." "Your claim is just," replied the manager. "Beginning tonight you may stake \$200."

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The Kind You Have Always Bought, and which has been in use for over 30 years, has borne the signature of and has been made under his personal supervision since its infancy.

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Western Maryland Railroad MAIN LINE Schedule in Effect December 1904, 1905. Table with columns for stations, times, and directions.

Emmitsburg Rail Road. TIME TABLE. On and after October 2, 1904, trains on this road will run as follows: TRAINS SOUTH. Leave Emmitsburg, daily, except Sundays, at 7.55 and 9.55 a. m. and 2.55 and 4.50 p. m., arriving at Rocky Ridge at 8.25 and 10.25 a. m. and 3.25 and 5.20 p. m.

DIRECTORY FOR FREDERICK COUNTY. Circuit Court. Chief Judge—Hon. James McSherry. Associate Judges—Hon. John C. Motter and Hon. James B. Henderson.

Emmitsburg District. Notary Public—W. H. Proxell. Justice of the Peace—Henry Stokes, Millard F. Shuff.

Churches. Ev. Lutheran Church. Pastor—Rev. Charles J. Rothman. Every Sunday morning and evening at 10.00 a. m. and 7.30 o'clock p. m.

Methodist Episcopal Church. Pastor—Rev. J. O. Hayden, Chaplain—T. F. Burkett. President—E. A. Aleshberger.

Emmitsburg Chronicle. EVERY FRIDAY MORNING \$1.00 A YEAR IN ADVANCE 50 CENTS FOR 6 MONTHS.

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