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A great many former coffee drinkers now use INSTANT POSTUM because their improved health shows the change has helped them

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“There’s a Reason”

BLISTER RUST PERIL

Endangers Valuable White Pine Forests of Country.

Uncle Sam is Making Determined Effort to Stamp Out Disease Brought in From Europe in 1909.

Uncle Sam is making a determined effort to curb the epidemic of white-pine blister rust which was brought into the United States in 1909 with the importation of great numbers of seedlings and which now threatens the valuable stands of white pine in this country.

It is estimated that the valuation of the present stand of mature eastern white pine is approximately \$180,000,000. In the western forests are two species of white pine which may be attacked by blister rust, namely, sugar pine and western white pine. The mature stand of these two is estimated to be worth \$240,000,000. These figures show the importance of guarding the pines against this disease. In 1915, serious and extensive outbreaks occurred in the eastern states. As the white pine, in many sections, at least, is much the most valuable tree now available for future forests, its loss would be regarded as a real catastrophe, for no other tree can take its place.

The white-pine blister rust is a destructive disease of the so-called white pines, that is, pines which bear their needles in bundles of five each. It is caused by a parasite fungus similar in many respects to the fungi that cause wheat rust and cedar rust. Like those diseases, it requires two distinct kinds of host plants in order to complete its entire life. These are (1) the five-needle pine and (2) the wild and cultivated currants and gooseberries.

Those who suspect that their trees have this disease are urged by Uncle Sam to notify the bureau of plant industry, which will make an inspection or secure a competent inspection free of charge. Indication of the presence



Diagram Indicating the Life Circuit of the Casual Fungus of the White-Pine Blister Rust.

a. Blisters on pine in May and early June, from which the disease spreads to currant or gooseberry leaves and produces the early-summer stage; b. thence it may spread to another currant leaf and produce there a second crop of the early-summer stage, c. or it may produce the late-summer stage, d. in this stage, in the fall, it infects neighboring white pines, which may or may not include the pine (a) which bore the blisters that started the outbreak the preceding spring.

of the disease is given by the presence of a girdle of dead, cracked bark below the dead part of any tree of this character.

CAN SEE THROUGH CONCRETE

Swiss Engineer Has Succeeded in Photographing Interior Structure by Means of Roentgen Rays.

To be able to examine the iron reinforcements of concrete work without destroying or disturbing the concrete structure would seem to be a difficult feat but that it is possible is shown by some successful experiments in the use of Roentgen rays for this purpose recently made by Inspecting Engineer E. Stettler of the Swiss railway department, according to a report made by George Nicholas Ifft, Uncle Sam's consul at St. Gall, Switzerland.

"The advantages of being able to make an examination of the condition of such reinforcements or the proper disposition and situation thereof without destroying the concrete structure are self-evident, as well as the desirability of being able to make an inspection of the position of the reinforcing iron rods upon the completion of the cement parts of a new building or a new cement structure," says Mr. Ifft.

"Engineer Stettler, by the use of special plates adapted to any construction, has apparently obtained serviceable pictures of the inner structure of cement blocks. To eyes accustomed to pictures with great detail and much light and shadow, the first results of the Roentgen exposure may seem somewhat meager. However, the iron reinforcements in the pictures are shown in their proper size and situation, as also the connections and crossings, so that the imperfect connections can be clearly recognized."

Japanese Bank for U. S.
Uncle Sam says the California state superintendent of banks has issued a license to the Sumitomo Bank (Ltd.) of Osaka, Japan, to establish a branch in San Francisco. The allotment of capital to the branch is \$500,000.

RALEIGH NEWS LETTER

RALEIGH, Oct. 3.—There's more interest in politics than anything else developing around the State Capital this week. With the election only five weeks ahead it is natural that this should be so.

It was Governor Bickett and Superintendent of Public Instruction Joyner have done within the last few days to Candidate Linney's absurd noise, about the alleged "extravagant" conduct of the public school system by the Democrats of North Carolina is not enough to close the sly politician's mouth on the subject, then he is dead to light, and has not sought to fairly and honestly enlighten the people.

If Republican spellbinders of smaller calibre who have echoed Candidate Linney's utterances on this matter do not shut up then it will be because they decided to continue to ignore the truth in the continued hope of fooling some of the voters and keeping them fooled till after the election day in November.

Here is just one overshadowing fact that is enough to settle any doubt in the mind of any voter rational enough to formulate an idea and receive a thoughtful suggestion: Today, after 16 years of continuous

hard work on the proposition, the State of North Carolina, under Democratic administration of affairs, is educating properly 288,000 school children for 124 days in the year at a cost per child of only 2 1/2 cents more than the Republicans spent to "educate" in an inferior manner less than half that number for only 73 days of each year.

Under the Republican regime the children attended school in the poorest school houses known wherever people wear clothes (with apologies to Mr. Bickett), and were "taught" by the poorest paid "teachers" under the sun (eclipses not excepted), and the chance to get much of an "eddicashun" under those conditions was dim enough to supply everything else needed to complete the deadly parallel of the contrast between then and now. Is there a well informed father or mother in North Carolina who would vote for, or desire the election of the Republican ticket in this State this year, because of any possible advantage that might accrue to their children? I don't believe it. And I don't believe anybody else believes it.

If there is any one thing, of the many splendid accomplishments of the Democrats in North Carolina during the last 16 years, that towers over all the others (important and valuable as they are), it is the growth of the public school system, viewed from all angles, and as was

emphasized in the Letters last week, it is being done in a more economical manner, so far as spending money goes, than in any other State in the American Union—save and except one.

It is a record of which the Democrats of North Carolina are proud, a record of which all the people should be proud, when they come to know the truth and disabuse their minds of the impressions made by the slyster tricks of the Republican speakers—made at the expense of the truth in the desperate game they are playing to "fool the voters." For they are not going to "stay fooled."

Superintendent Joyner says this about Candidate Linney's absurd suggestion that the sparsely settled counties like Ashe, Alleghany and Watauga should have as long school term as the populous counties with large cities, like Durham and Forsyth, for instance (which annually contribute over \$15,000 each through their five cent State tax on the \$100 valuation of property, to the State equalizing fund for the benefit of Alleghany, Sampson and other counties having less than five months school in any district). Dr. Joyner says, and what he says is the "last word," as far as one qualified to speak on the subject in this latitude is concerned:

"From a moment's reflection it will be seen that unequal distribution of population must be taken in-

to consideration as well as unequal distribution of wealth in the equalization of educational opportunity. In the equalization of advantages there must be taken into consideration term, house, equipment, attendance, number and qualification of teachers. No exclusively per capita distribution of State and county school funds can take all of these into consideration, and consequently such a method cannot equalize educational opportunity. Under the present plan of distributing school funds in North Carolina, all of these things are taken into consideration. The county and State school fund is so distributed as to give equal length of term to all districts in each county according to the number of teachers required in each district irrespective of sparsity or density of population, and the State equalizing fund further taking all of these things into consideration is used to correct any inequality in length of term and educational opportunity that may be found to exist in the various counties after the distribution of the general State and county fund in each county."

Candidate Linney's visit to Raleigh yesterday did not materialize the "blaze of glory" which the Wake county promoters of the blowout announced. Wake will roll up anywhere from 1,000 to 2,000 Democratic majority next month.

At a meeting in Raleigh of the

joint committee of North Carolina Bar Association and the North Carolina Farmer's Union, a committee was appointed to draw a bill for presentation to the Legislature next winter providing for certain changes in the Torrens law. One of its principal features will be that which provides for the creation of a Land Court for the adjudication of matters coming within its jurisdiction, the judge to give his entire time to the work. This provision was omitted from the original bill because of opposition developed at that time.

Hughes Goes After It.

Everything.
Hughes has been in Ohio and the Press dispatches say he gets much applause and draws big crowds. That doesn't signify much. We have seen so many men following Bryan and yelling for him that you couldn't count 'em, and when election day came they were most all voting for the other fellow.

NO MORE BACKACHE FOR HER

Mrs. J. M. Gaskill, Etna Green, Ind., writes: "I suffered from severe backache and sharp pains. I could not stoop over. Foley Kidney Pills gave me such relief that I cannot praise them too highly." This standard remedy for kidney troubles and bladder ailments can be taken with absolute safety. J. H. Kennedy & Co.—(Adv.)