



MAKING PIPE

A section of transite pipe is being made on the big horizontal roller or mandrel of this machine. The wide, continuous felt belt picks up a wet mixture of asbestos fibre and cement and deposits it on the revolving steel mandrel, thus building up the pipe to the required wall thickness. One twenty-fifth of an inch is added with each revolution. Steel pressure rolls bearing against the deposited mixture on the mandrel produce a dense, homogeneous structure and create a strong bond between cement and asbestos fibre.

nerve, fever treatment is the only method which can check the injury and prevent the patient from becoming blind, Dr. Hambresin stated. Even with this method, however, the eyesight cannot be saved in all cases, it appears from Dr. Hambresin's report. He stressed the importance of starting the treatment early in the eye diseases and of using chemicals with the fever treatment.

The results of fever treatment in 7 cases of inflammation of the cornea due to syphilis were more impressive than in any other type of eye disease, Dr. McGavic reported from his experience. Patients who usually stayed in the hospital for many weeks before showing appreciable improvement opened their eyes and left them open after one or two fever treatments. Other forms of treatment had been most disappointing in previous cases of this eye disease. The more acute the stage, the better was the response.

In gonorrhoeal eye disease heat treatment seemed to increase the amount of pus formed in the conjunctival sac following the first and second treatment. After that, Dr. McGavic reported, the

discharge steadily diminished and tests soon showed that the germs of the disease had been eliminated. He recommended giving heat treatments in this condition as frequently as the patient can stand them because the more rapidly the infection can be cured the less likely will be damage to cornea.

St. Vitus' Dance

The irregular, jerking movements of St. Vitus' Dance or chorea were checked in nearly nine-tenths of the cases after an average of 4 sessions of fever treatment, Drs. Maurice Blatt and Clarence A. Neymann and Mr. S. L. Osborne of Northwestern University Medical School reported. They have treated 25 children suffering from this disease. Although it is still too soon after the treatment, except in the first 7 cases, to draw definite conclusions, these scientists believe that with the exception of those patients who relapsed soon after treatment ceased they have really been able to cure chorea and to stop its recurrence.

Although fever due to poisons from disease germs may be a grave strain on a heart damaged by rheumatic fever or chorea, the Northwestern University scientists found that electrically induced fever did not adversely affect the hearts of the child rheumatic fever and chorea patients they treated.

Helps Angina Pectoris

Angina pectoris, much-dreaded and painful heart disease, can be helped by fever treatment when the fever is induced by electrical means, Prof. Charles Laubry, attending physician to the Hospitals of Paris, and his associates, Drs. Walser and Jean Meyer, reported. Short-wave electric currents across the heart are the best means of inducing fever for treatment of this condition, the French physicians find. In their series of 56 angina patients they obtained very good results with this treatment in 40 per cent. and fair results in 20 per cent.

Treatment with short wave electric currents (diathermy) which did not raise the temperature of the patient gave good results in cases of high blood pressure. The blood pressure, the French physicians reported, decreases and remains lowered for several weeks or months.

Prompt relief and apparent cure in 12 of 20 cases of acute infections non-specific arthritis and partial relief in another 8 cases were the results of fever treatment with the Kettering Hypertherm reported by Drs. Robert M. Stecher and Walter M. Solomon of

Western Reserve University Medical School. Fevers of about 105 degrees Fahrenheit were maintained for four or five hours in each treatment. Just how the treatment helps this condition is not clearly understood, but the Cleveland physicians suggest that a rise of white blood cells and an increased blood flow may be responsible.

Fever treatment gave complete relief from joint pain and swelling and seemed to reduce the duration of attacks of acute rheumatic fever, Drs. E. E. Simmons and F. Lowell Dunn of the University of Nebraska College of Medicine reported. Since this disease has periods when it subsides by itself, only to start up again, these physicians pointed out that it will be a long time before final conclusions as to the value of fever treatment can be known.

Neuritis Relieved

All types of neuritic pain can be relieved by fever treatment, although the condition causing the pain is not necessarily cured, Drs. A. E. Bennett and Paul T. Cash of the University of Nebraska reported. They stated that other measures of treating the conditions should also be used and warned against fever treatments being given except in institutions well equipped and staffed to handle any dangers that may arise.

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ASTRONOMY

Artist to Paint Eclipse On Next June 8

WITH an artist's eye and a physicist's scientific knowledge of colors, Charles Bittinger, well-known Washington painter, will work with the astronomers of the National Geographic-U. S. Navy Eclipse Expedition when they observe the total eclipse of the sun on June 8 from a desert islet in the remote South Pacific.

Because of its unusually long duration—four minutes and ten seconds at the point of observation—it will afford exceptional opportunities to both artist and astronomer.

Mr. Bittinger has made a special study of pigments and their combination, from the scientific as well as the artistic angle. He has also studied the effects of light of all wavelengths. Some of his paintings are double, showing one scene by ordinary daylight and an entirely different picture when viewed under ultraviolet radiation.

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