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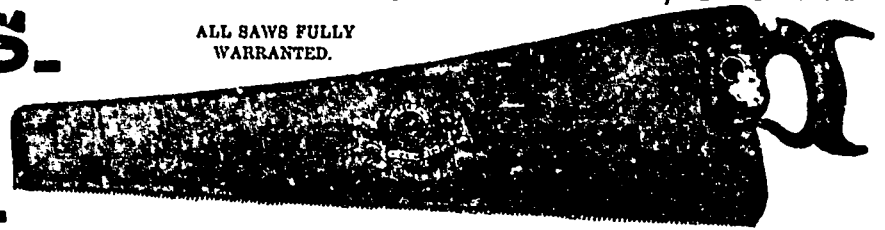
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FOR THE

Canada Lumberman

ANOTHER USE FOR SAWDUST.

Forest and Stream, a sporting journal, after referring to the very injurious effects which follow the depositing of saw dust in streams, says:—

"When urged to burn, or in some other way dispose of their sawdust, lumbermen have objected that they could not afford the cost. There is hope that the perplexing problem of dealing with this nuisance may now be solved, for a process has been discovered by which the refuse sawdust may be made to yield a handsome profit. When dry it is carbonized in iron retorts, and in the process there is given off 80 per cent. of volatile products, the remaining 20 per cent. being granulated charcoal, which can be used in making gun powder, filters, lining refrigerators, and as a disinfectant, and with a little tar it could be pressed into bricks and used for fuel; 22 of the 80 per cent. of the volatile product are in the form of fixed gases, which can be used for heating, lighting, etc.; 47 per cent. is pyrogenous acid, which is crude acetic acid, and after being purified and concentrated is used in white lead, color, print and vinegar manufactures.

There remain 10 per cent. of tar and one of wood alcohol. The tar has the same properties as coal tar, the almost endless uses of which, such as pitching roofs, lining water tanks, covering the bottom of vessels, protecting iron from rusting, covering the wounds made in pruning trees, and in the form of benzole, naphtha, carbolic and sulphuric acids, and the

whole splendid series of aniline dyes, constitute one of the chief glories of modern chemistry. The wood or methylic alcohol is used as a solvent for gums in varnish making, in the manufacture of aniline colors. The sawdust from yellow pine and other woods rich in resin yields also a considerable amount of turpentine, in the gathering of which so many trees are every year sacrificed. It is estimated that in sawing inch boards of pine, hemlock, etc., the one-fourth inch saw-kerf uses up one-fifth of the log. When lumber is sawed by the billion feet, one can easily see that the question of disposing of the sawdust in a way to yield a profit, instead of a first-class nuisance, is a very important one."

A Great Fire

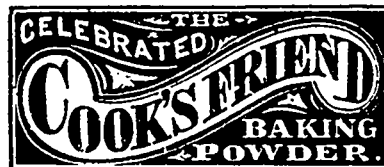
CHARDON, Ohio, Sept. 20.—A disastrous fire has been raging for forty-eight hours in the woods, about two miles from this place. Nearly 150 acres of valuable woodland have been burned. The flames have invaded the vast swamp of several hundred acres. Notwithstanding the effort to check their progress the flames continue to make great headway. The fire department of this place is on the way to the scene.

The evening session of the Forestry Congress at Saratoga, on Sept. 27th, began with a paper by J. K. Ward, of Montreal, on "Lumbering in Canada," giving a history of the business here, with a comparison of former and present methods of work.

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