

A NEW STYLE OF DREDGER.

A new kind of scouring dredger, designed by F. Kretz, of Karlsruhe, is exciting considerable interest. The object of the dredger is to clear rivers which are subject to floods and silting up, to restore the navigating channel, and to deposit the mud that is not washed away by the dredger and the current on the sides of the channel. Two hydraulic basins and pipes are fixed to the front of the dredger (or also on the boat), so that the scouring pipes meet under an acute angle. Each pipe is provided with many nozzles through which the water rushes under pressure, either downward, stirring the mud up, or more generally in a lateral stream, which undermines the layer of mud. The dredger advances slowly up stream. The pipes clear or undermine a passage which is constantly widening until the full length of the hydraulic device has passed, so that the mud remains in continuous agitation. The nozzles are adjustable, and the pressure can be regulated by means of throttle valves. The whole apparatus is of course protected, and angle irons under the pipe effect a certain amount of scraping.

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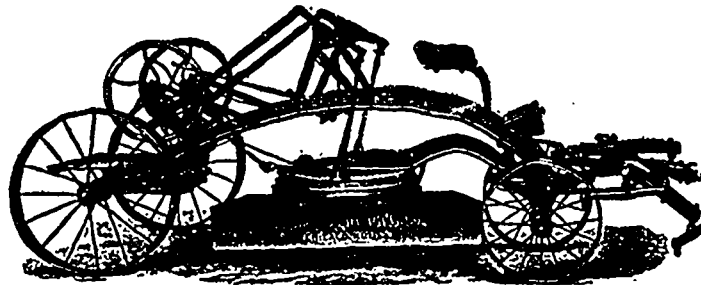
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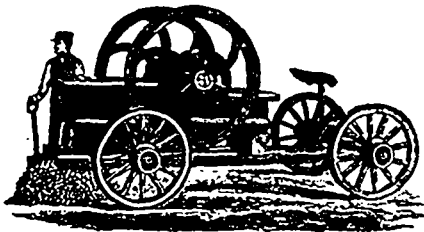
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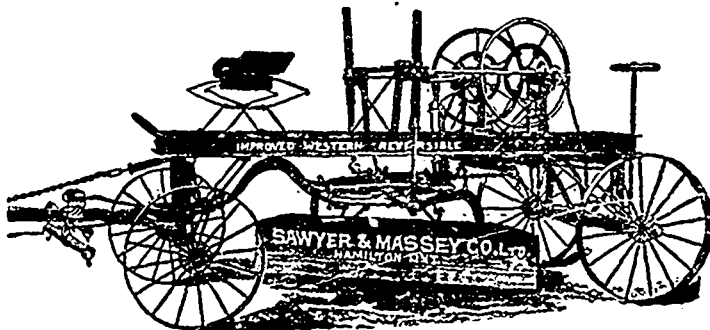
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