

A NEW HYDRAULIC DREDGE.

The Times-Herald of Chicago publishes a description of a new hydraulic dredging machine that has been used in the excavation of the Chicago drainage canal. This machine will go through a sand bar at a speed of from five to ten feet a minute, cutting its way through a solid bank and leaving behind it a channel forty feet wide and twenty feet deep. In front of the machine are six intake pipes, turned downward. Surrounding each of these is a cylinder fitted with knives, which is kept in revolution all the time, so that the knives cut and chew up the sand and mix it with the water. This process goes on all around the intake pipes, and in these pipes the suction of great steam driven centrifugal pumps is pulling away at the loosened mass of sand and water. One of these dredges can be worked at an expense of \$10,000 per month. No place in the world could such a machine work to better advantage than in the neighborhood of Toronto Island. Working 10 hours a day the machine would make a channel 40 feet wide and 20 feet deep for a distance of from 3,000 to 6,000 feet.

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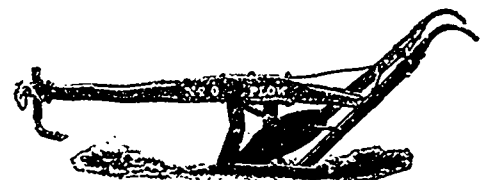
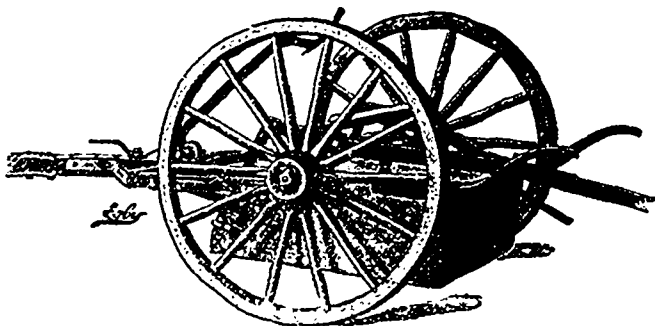
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