

able in the United States at least thirty per cent. of it is unfitted for use because it is what is known as titaniferous iron ore. It contains a percentage of titanium.

According to a Niagara Falls, N.Y., correspondent of The Paper Mill, in a small old stone building on the property of the Niagara Falls Power Co., Augusto J. Rossi has been experimenting with this ore, and has found a process by which it is made suitable for all kinds of use where iron is demanded. This means that the enormous deposits of this class of ore, heretofore thought unavailable, will now be brought into consumption. In the State of New York there are mountainous deposits of this class of ore, and in the Adirondack region alone there is said to be a deposit that would last the world a century or longer.

At the same time that these experiments have been conducted search has been made in a no less important field for results whereby the quality of steel might be increased and its production cheapened. Success has also crowned these efforts, the result being the discovery of a method of producing a ferro-metal. This, in fact, is ferrotitanium, an alloy which, if all the statements are maintained, is destined to win the favor of the world. Up to the present time it has been thought that iron ore containing titanium could not be worked as the titanic acid produced developed an infusible slag.

About 500 pounds of this new alloy, ferrotitanium, is turned out every twenty-four hours at Niagara, and it has been given around to steel manufacturers with which to

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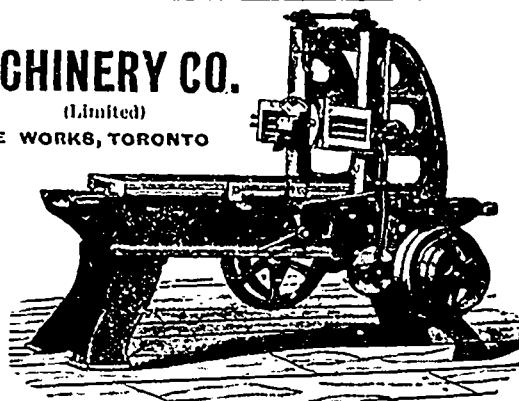
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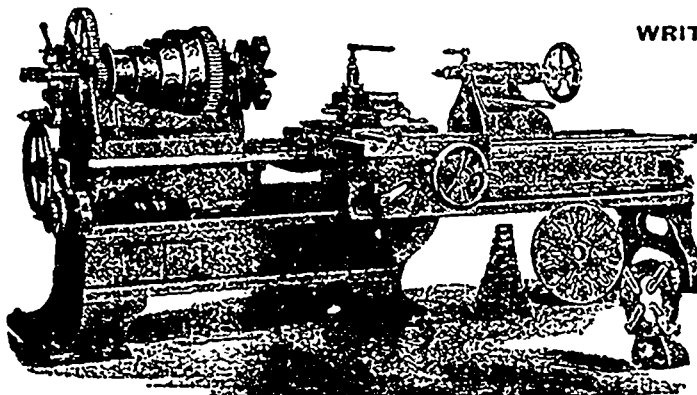
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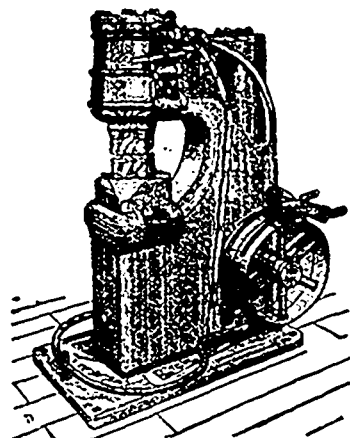
Canadian Patent November 9, 1897.

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