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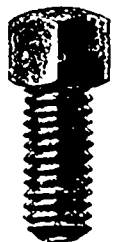
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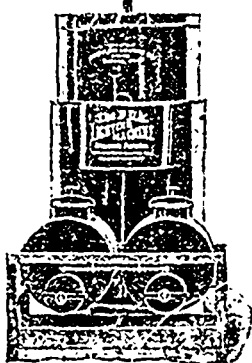
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THE ELECTRICAL INDUSTRIES AT SAULT STE. MARIE.

There was a meeting of the North-western Electrical Association at Sault Ste. Marie on June 11th, to whom Mr. F. H. Clergue, of the Sault Ste. Marie Pulp and Paper Co., who is also largely interested in other industries there, made a welcoming address. Speaking of the electrical industries of the place Mr. Clergue said:—

The progress of electricity has developed this one fact which is familiar to all of those who are practically conscious of the progress of that science, and that is that the power

necessary to develop light, heat or electricity, or any other manifestation of force, must be produced by some method more economical than that of steam power, if it is to be applied to those commoner uses of mankind, such as the production of necessary articles of low intrinsic value which the civilized races put most to their uses—the metals.

We now have before us the manifestation that it is cheaper to-day to smelt common iron worth \$12 a ton in an electric furnace than it is to use coke at \$4 a ton for that purpose, to produce the same degree of heat. This is a remarkable statement, but it is proven in the twin cities of the Sault.

You are on a journey of great consequence to the region you visit. It is of importance to this community that you should understand what are our relations to the industry which you especially represent. When you pass these locks you will have crossed the threshold of the most important storehouse of wealth on the face of the globe.

The author then referred to the enormous wheat districts tributary to Lake Superior, the tremendous quantity of lumber available in the wilderness of Canada, north of the lake, and spoke as follows of the metals:

It is a fact shown by statistics that out of this lock, through which you pass to-morrow, there went last year out of Lake Superior 4,000,000 tons more of iron ore than all Great Britain made into pig iron in twelve months of the same year. The greatest in extent and purest in quality of all the iron ore beds ever discovered are those on the shores of Lake Superior. Steel rails in the United States are produced at a cost of from \$4 to \$5 a ton less than they are in England. It is a fact that at the Sault the first necessary ingredient, except ore, for the production of coke pig iron, viz., coke, could be delivered to smelters here at Sault Ste. Marie at half a dollar a ton less than coke costs delivered to smelters in Great Britain. Steel plates for ship building on the shores of these lakes are produced and delivered at \$7 a ton less than in Great Britain. It is true also that within five years the centre of iron ship building will not be in England, but in America. It is true that on these great lakes, at Chicago, Cleveland and at Superior, iron ship building can be done at a cost of several dollars less per ton than is possible in Great Britain.

The next metal in importance is copper. Except the Anaconda mine in Montana, the

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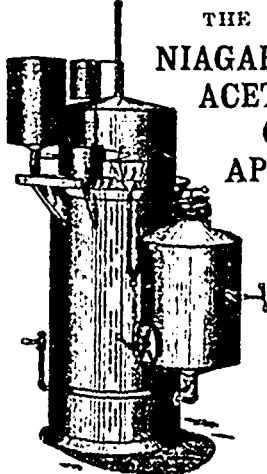
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