

PROTECT NIAGARA BRIDGE.

Plans of eminent engineers, made with all due care for the protection of the north abutment of the upper side of Niagara Falls were found wanting last week when submitted to the critical test. The waters from the outlet of the tunnel of the Niagara Falls Power Company have been threatening the abutments for some time, and it was decided to protect it from erosion by lacing the abutment with a shield or armor plate. Accordingly 12 plates, each weighing a ton, were securely riveted together, and lowered over the side of the bridge by means of five cables. When the shield struck the water the tremendous force of the current doubled it up like a bit of paper and snapped four of the five cables. The engineers, seeing the uselessness of the device, ordered the fifth cable cut, and the 13 ton plate now reposes on the bottom of the river. How to protect the abutment is a serious problem. An effort to build a concrete retaining wall was given up as a failure, and now the second plan has proved futile.

HAMILTON FIRM'S EXPANSION.

Great improvement has been made of late in the buildings and plant of the B. Greening Wire Company, Hamilton, so that the former now occupy portions of three separate blocks. One of the most important additions is the new weaving mill, a saw toothed roof building, 260 by 130 feet. Here are installed all the heavy looms and a number of supplementary screen cloth looms. In course of time it is intended by the firm to transfer to this new building their entire screen cloth plant, which will permit of them adding to the wire mill the old weaving mill on Napier street. The space between the old weaving and wire mills on that street is now occupied by a cleaning room for the wire mill.

Besides the manufacture of wire, the B. Greening Wire Company make all kinds of wire cloth, from the heaviest varieties used for locomotive stacks and refuse burners for saw mills to the fine wire cloth used for flour mills, office window blinds, mining purposes, car ventilators, etc. They also make steel wire chains of all descriptions and for all purposes.

For all these goods the demand has recently become so great that it was found necessary to open an eastern office at 422-4 St. Paul street, Montreal, of which Mr. J. H. Hanson is in charge.

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