

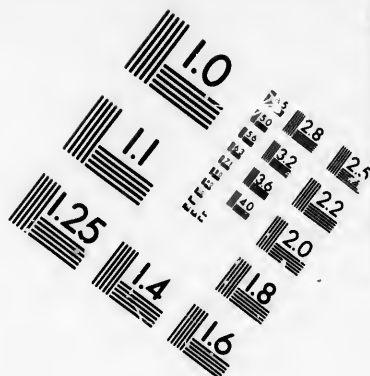
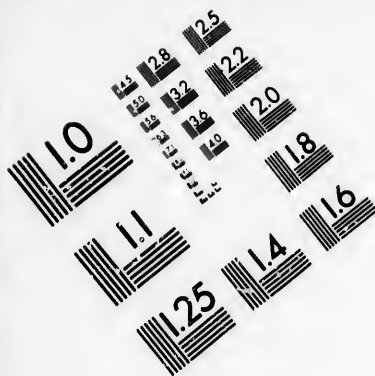
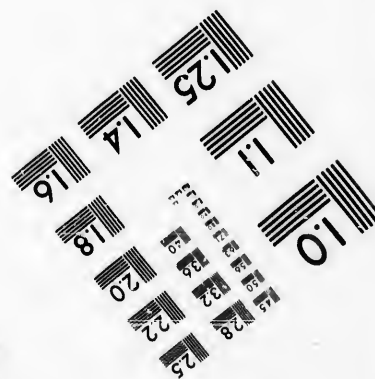
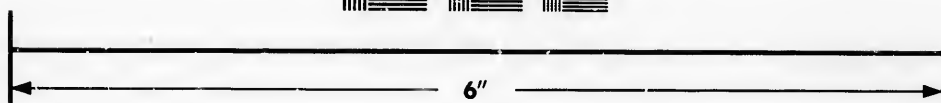
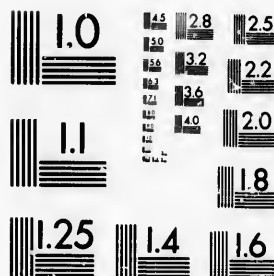


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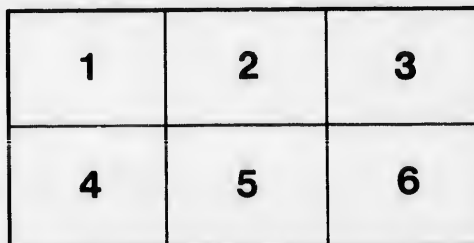
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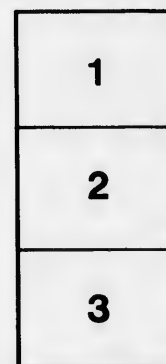
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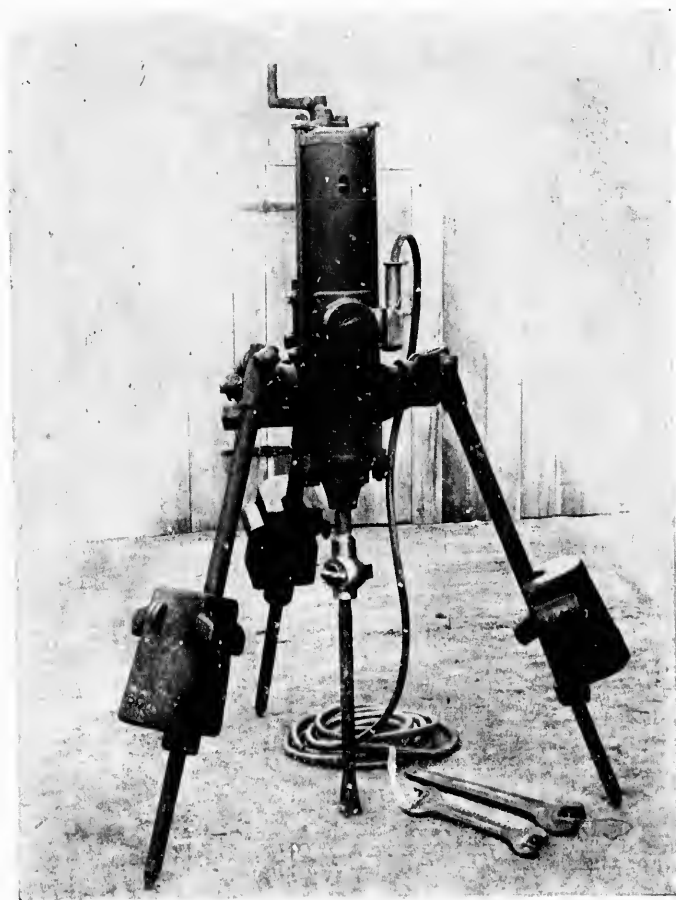
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Canadian General Electric Co., Ltd.

MINING DEPT.

No. 101



ELECTRIC PERCUSSION DRILLS

DESCRIPTION

After several years of experimenting, during which time large experience has been gained, we have perfected an Electric Percussion Rock Drill which surpasses in every point all forms of rock drill which have been in use up to date.

The flexibility and ease of running the wires (which are strung on poles in the usual manner, connection being made to the drill by means of a single flexible cable of convenient length), can readily be appreciated especially in comparison with the cost of running and maintaining expensive and rigid pipe lines for steam or air power. Another and decided advantage is that electric power can be transmitted long distances with very slight loss (the maximum usually allowed being 10%), as compared with the losses from leakage and condensation incident to steam transmission.

In general external appearance this drill conforms very closely to the regular types of steam and air drills, in fact the tripod and shell complete are of the standard steam drill form.

Electrically it is arranged in the form of a solid iron piston reciprocating in a magnetic field and controlled thereby. The piston is provided with a standard air drill rotating rifle bar and the usual form of springs to protect the front head of the drill from blows. The drill has a piston diameter of 3 $\frac{3}{4}$ " , a length of stroke of 6 $\frac{1}{2}$ to 8 $\frac{1}{2}$ " , length of feed 24" , number of blows per minute 360 to 380. It is designed and in test has proved itself to be equal to a 3" Rand steam drill.

CANADIAN GENERAL ELECTRIC CO., LTD.

TORONTO, MAY, 1894.

HUGH RYAN & CO
Contractors,
Sault Ste. Marie Canal.

Sault Ste. Marie, Ont. March 10th 1894

Canadian General Electric Company. Limited

Dear Sirs

We take much pleasure in testifying to the excellent work done by your Electric Rock Drill on our works. And are satisfied from what we have seen that you have a tool that will fill a long felt want in connection with Rock Excavation of all descriptions, including Mining and Tunneling.

We consider the Electric Rock Drill completes the list of Contractor's equipment. As with Electric Motors for twisting, power can now be centralized and a very great saving made in the fuel consumption, which on contract work is one of the principal causes of expense and the most difficult to control.

We can therefore recommend your drill to Contractors and Owners for its efficiency and economy.

Yours truly
Hugh Ryan & Co.

