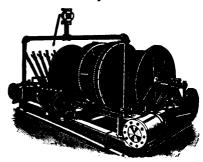
M. BEATTY & SONS

Welland, Ontario.



MANUFACTURERS OF

Dredges, Ditchers, Derricks and Steam Shovels for Dredging, Dykeing, Ditching, GOLD MINING, Etc., of various Styles and Sizes to Suit any Work.

MINE HOISTS,

HOISTING ENGINES,

HORSE POWER HOISTERS,

SUSPENSION CABLEWAYS,

STONE DERRICKS, GANG STONE SAWS.

Submarine Rock Drilling Machinery.

Centrifugal Pumps for Drainage Works, Pumping Sand, Gold Mining, Contractor's Use, &c.

WIRE ROPE AT MARKET PRICES.

AGENTS:

E. LEONARD & SONS

MONTBEAL, QUE.

ST. JOHN, N.B.

ESTABLISHED 1857

A. LESCHEN & SONS ROPE CO. ST. LOUIS, MO.

WIRE ROPE

FOR

MINES, QUARRIES, ELEVATORS, Etc.

ÆRIAL WIRE ROPE

TRAMWAYS

LESCHEN & DUSEDAU SYSTEMS.

UNDERGROUND, SURFACE AND INCLINE WIRE ROPE

HAULAGE

BRANCH OFFICES:

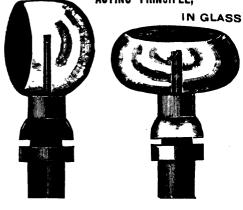
CHICAGO

DENVER

SAN FRANCISCO

IMPROVED NEEDLE LUBRICATORS

On a PATENT PNEUMATIC and SELF-ACTING PRINCIPLE.





NEW YORK

INSTRUCTIONS for FITTING and ADVANTAGES

The Lubricators being carefully fitted by enlarging the oil hole to fit the plug part of stopper, or otherwise by reducing the plugs to fit existing oil holes, the needle must be perfectly round, smooth and clean, so as to work freely in the tube, the flattened end reaching about half-way up the inside of the Lubricator, while the other end rests on the shaft or axle, will produce the following results, viz. :—

1st.—Free working of the machinery by perfect lubrication.

2nd.—A saving of more than 75 per cent. in oil.

3rd.—Corresponding economy in steam-power and coals.

4th.—Cleanliness, and consequent saving in labor, engineers' stores, etc.

ALL OUR LUBRICATORS ARE FITTED WITH BRASS TUBES.

IMPROVED STEAM TUBE CLEANER



THE CLEANER THAT CLEANS CLEAN.

No Moisture.

No Scale.

Saves Cost Quickly.

WRITE FOR PRICES TO

THE HAMILTON BRASS MFC. CO., Limited,

HAMILTON, ONT.