

Penberthy Automatic Injector

A Simple, Reliable and Durable
Automatic Restarting Boiler Feeder.

40,000 in use in the U.S. 8,000 in use in Canada.

Adopted by such well-known Engine Manufacturers as
SAWYER, MASSEY & Co., Hamilton; JOHN ABEL, Toronto;
HAGGART BROS., Brantford; JOHN DOTY ENGINE
Co., Toronto; WATEROUS ENGINE WORKS Co.,
Brantford, and others.

We guarantee them to work as follows:

They will lift from 18 to 20 feet and take a supply from a head as well without change of jets; they are absolutely automatic and restarting, without adjustment of valves if feed is broken from sudden jarring or air getting into suction pipe. For Traction, Portable and Stationary Engines, Boats, etc., they have no superior. They work from 20 and 25 pounds low, to 130 and 150 pounds high steam pressure, according to lift, and are the only *Injectors on earth that will lift through a hot suction pipe.* All jets are interchangeable, and can be replaced by user without breaking connections or sending Injector to factory to be repaired. High pressure Injectors furnished on application.

FOR SALE IN ALL LARGE CITIES IN CANADA.

Penberthy Injector Company, Manufacturers,
WINDSOR, CAN., AND DETROIT, MICH

Address all letters to DETROIT, Mich.

AMONG OUR AGENTS ARE

Waterous Engine Works Co., Brantford;
A. R. Williams, Toronto;

Macdonald & Co., Halifax, N.S.;
Garth & Co., Montreal.

GALVANIZED GUY ROPES,
BRIDGE CABLES,
HAWSER ROPES,

JOHN A. ROEBLING'S SONS CO.
WIRE ROPE

WIRE OF ALL KINDS,
INSULATED WIRE,
FOR MINES, ELEVATORS, INCLINES, ETC.

JOHN A. ROEBLING'S SONS CO.,

117 & 119 LIBERTY STREET NEW YORK.

Lidgerwood Mfg. Co.

96 LIBERTY STREET, NEW YORK.

34 & 36 WEST MONROE ST., CHICAGO, 197 TO 203 CONGRESS ST., BOSTON,
1 TO 7 N. FIRST STREET, PORTLAND, OREGON.

Largest Manufacturers in the United States of Hoisting Machinery of
Every Description for Mines, Tunnel Work, Contractors,
and General Hoisting Purposes.

HOISTING ENGINES

FOR MINING PURPOSES A SPECIALTY.

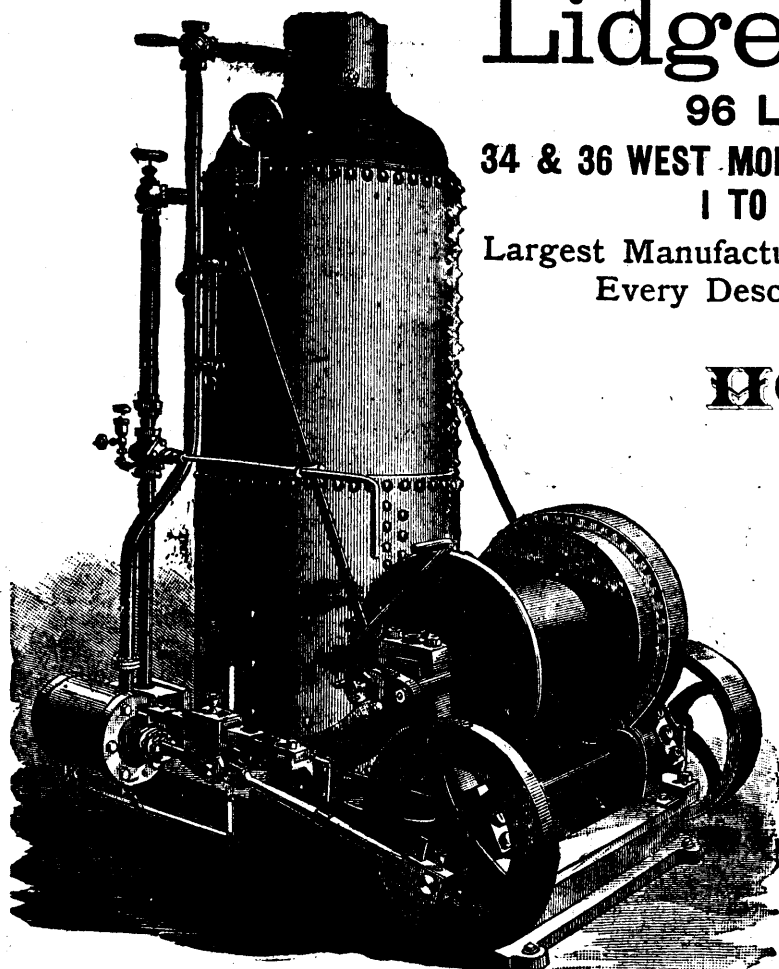
Over 7,000 Engines in Use!

300 STYLES

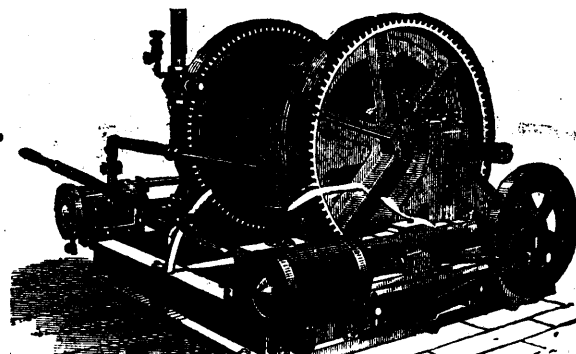
and SIZES.

Send for

CATALOGUE.



Friction Drum Portable Hoisting Engine



Double Cylinder Reversible Mine Engine.