

THE HUBBELL TAPPING MACHINE.

The accompanying illustration is of the Hubbell Tapping Machine, manufactured by Harvey Hubbell, Bridgeport, Conn.

This machine is designed for light, rapid tapping.

The spindle is driven by two 1½ belts, running in reverse directions, giving a speed of 1,200 to 1,500 revolutions per minute.

The reversing of the tap is accomplished by releasing the foot pressure from treadle, which, through means of the lever, actuates the friction cone.

The machine is fitted with a flat sliding plate and a revolving spindle which in turn may be fitted with a holder suitable to retain the work.

If from any cause a tap becomes caught, it may be instantly released and the spindle

allowed to revolve with work attached without danger of breaking the tap, as it is wholly under the control of the operator.

The machine is also provided with an automatic stop, enabling the operator to tap to any required depth.

It carries a ¾ inch tap and under, and is capable of tapping from twenty to thirty thousand holes per day.

Cones are marked with arrow points, showing direction in which they should revolve.

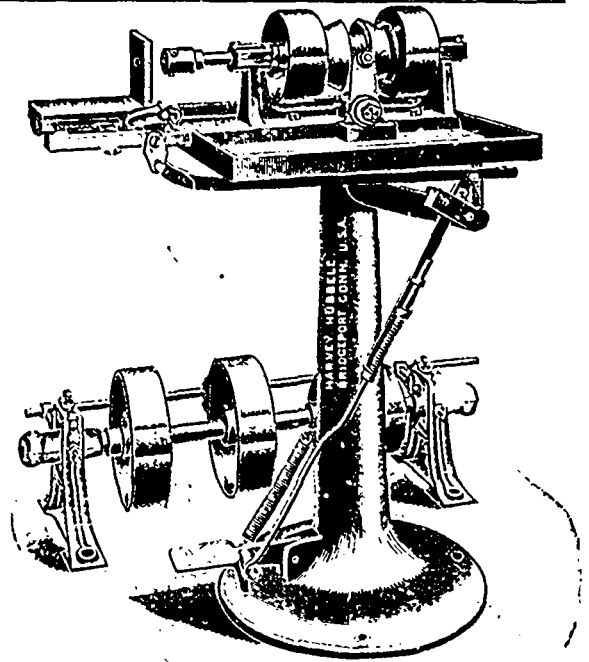
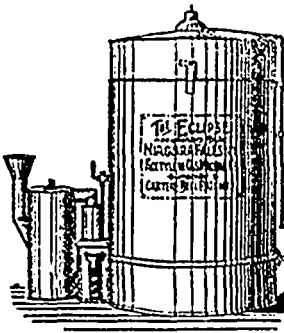
Speed of countershaft, 425 revolutions per minute.

Weight of machine and countershaft complete, 260 pounds.

Height over all, thirty-eight inches.

Floor space, 28 x 24 inches.

We are informed that this machine has met with very ready sale, and has been pronounced to be exceedingly satisfactory in its operation.

**The ECLIPSE****ACETYLENE****GENERATOR****BUILT ESPECIALLY**

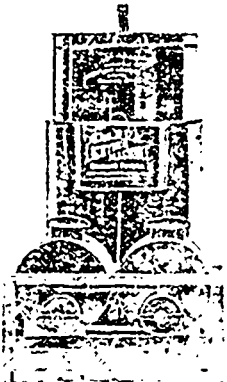
For Private Residences,
Offices or Small Stores.

PRICE COMPLETE, - \$25.00

Write for particulars.

NIAGARA FALLS ACETYLENE**GAS MACHINE CO., Limited,**

Niagara Falls, Ont. or N.Y.

Sun Lighting Machine.**ACETYLENE GAS.**

*The
Acme
of
Perfection
in
Lighting.*

At the Mini-
mum of Cost.

Suitable for any place where Artificial Light is required. Dwellings, Stores, Churches, Factories, Hotel, Street Lighting, etc.

Write for Catalogue.

THE**Acetylene Lighting Co.****(LIMITED).****LONDON, ONTARIO.****The McInnes Indicator...****(Patented).**

With Vulcanite Sheathing for all Speeds and Pressures. Adopted by the British Admiralty.

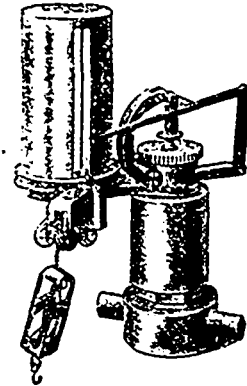
SPECIAL INDICATORS

For Gas and Explosive Engines, Ammonia Compression Machines, Torpedo Boats, Launches and Locomotives.

Patent Flexible Unstretchable Wire Cord for Indicator Leads.

Catalogue on application.
SOLE MAKERS

T. S. McINNES & Co., Limited
42 CLYDE PLACE,
GLASGOW, - Scotland.



**HAY TEDDER FORKS,
HAY RAKE TEETH,
HARROW TEETH,**

**DOUBLE POINTS,
CULTIVATOR SHOVELS,
SEAT SPRINGS.**

Steel
Teeth
of all kinds.

Prices Quoted on Application.

ST. JOHNS SPRING CO.,
St. Johns, Mich.

McLachlan Electric & Gasoline Motor Co., LIMITED.

94 ADELAIDE
T. WEST.
TORONTO

MAKE Gas or Gasoline Engines from 1 h.p. to 6 h.p.
Stationary or Marine and Electric Motors from ½ h.p. up.
Motor Carriages for Pleasure or Business.

One cent sent for a postal will bring you any information you wish.

The Packard Electric Co., Limited.**MAKERS OF**

**Lamps and
Transformers**

Sole Agents for SCHEEFFER RECORDING WATT METERS
ST. CATHARINES, ONT.

When writing to Advertisers kindly mention THE CANADIAN MANUFACTURER.