

the casing having opening Z, whereby the steam may pass through the injector to the atmosphere and lift the water to start the injector.

3. The sliding combining-tube L M, in combination with the stationary internal tube, *q*, said tubes being located and operating inside of the chambers A B, whereby no packing or

stuffing boxes are required to prevent leakage, all constructed and arranged as and for the object set forth.

LOUIS B. FULTON.
JULIUS PROEGER.

Witnesses:

THOS. BINGHAM,
JOHN MILLER.

H. F. GAINES.
Thill-Coupling.

No. 215,907.

Patented May 27, 1879.

Fig. 1.

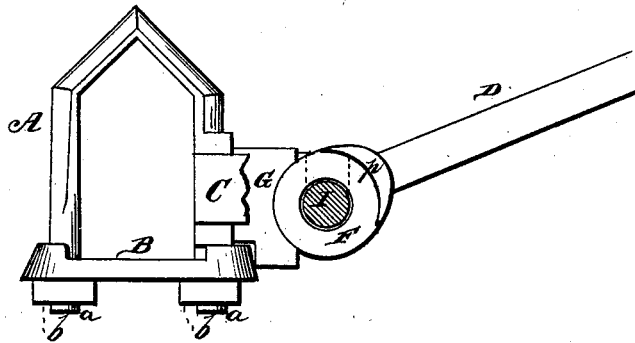


Fig. 2.

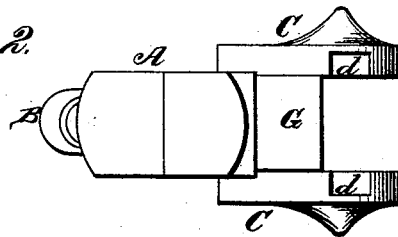


Fig. 4.

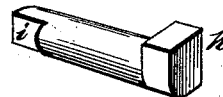
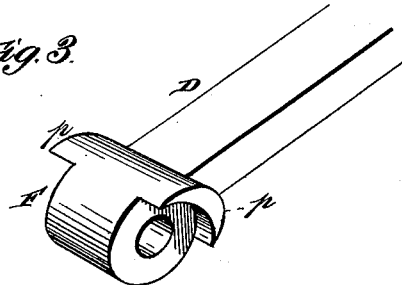


Fig. 3.



WITNESSES

Robert Corbett
James J. Sheehy

INVENTOR

Hiram F. Gaines

By

Gibson Smith & Co ATTORNEYS.