

L. GLYNN.
Pipe-Wrench.

No. 203,261.

Patented May 7, 1878.

Fig. 1.

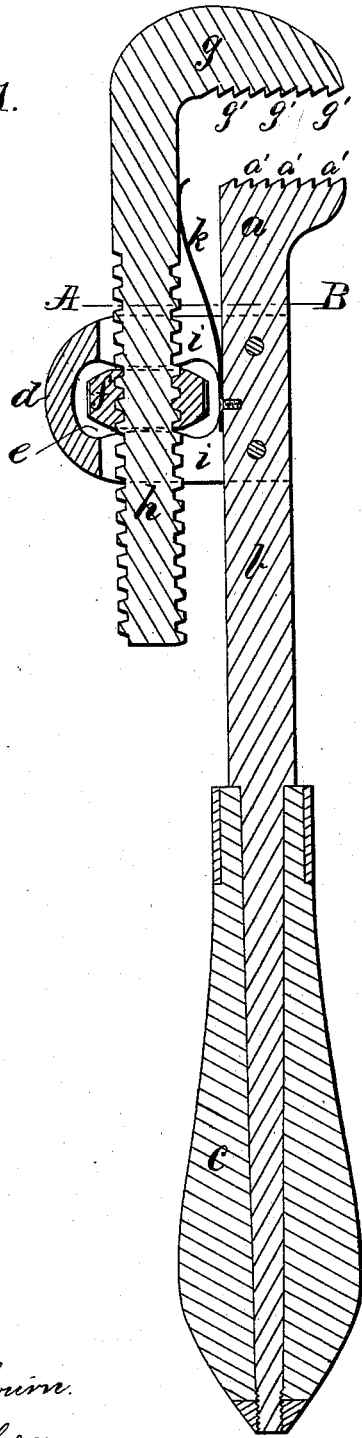
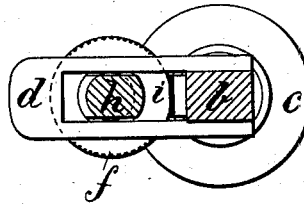


Fig. 2.



Witnesses:

Henry Chadbourne.
J. Allen.

Inventor:

Lawrence Glynn
by Alban Lucien
his atty.

UNITED STATES PATENT OFFICE.

LAWRENCE GLYNN, OF CAMBRIDGEPORT, MASSACHUSETTS.

IMPROVEMENT IN PIPE-WRENCHES.

Specification forming part of Letters Patent No. 203,261, dated May 7, 1878; application filed March 25, 1878.

To all whom it may concern:

Be it known that I, LAWRENCE GLYNN, of Cambridgeport, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Nut and Pipe-Wrenches; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in nut and pipe-wrenches; and consists of the combination of the following parts, viz: A stationary serrated jaw the shank of which is provided with a handle in the usual way, a stationary slotted frame secured to the shank of the stationary jaw, an egg-shaped nut capable of lateral adjustment within a horizontal slotted opening in the aforesaid stationary frame, and a movable serrated jaw having a screw-threaded shank passing through vertical slotted openings in the stationary frame and operated by means of the adjustable egg-shaped nut.

A spring is located between the stationary shank and the adjustable shank, so as to keep the serrated jaws of the wrench extended from each other when not in use. The serrated edges of the stationary jaw are made pointing outward from the movable-jaw shank, and the serrated edges of the movable jaw are made pointing in an opposite direction, so as to more firmly grasp and hold the nut, pipe, or other object operated upon.

By this arrangement I construct a wrench of very few parts, all very strong and durable, and not liable to breakage, without any hinges whatever, as the swinging motion of the movable jaw is obtained by the lateral oscillating motion of the egg-shaped nut within its horizontal slot in the stationary frame that is secured to the shank of the stationary jaw.

In the accompanying drawings, Figure 1 represents a vertical section of my improved wrench, and Fig. 2 represents a cross-section on the line A B shown in Fig. 1.

Similar letters refer to similar parts wherever they occur in the drawings.

a is the stationary jaw, with its teeth *a' a'* pointing outward, as shown. *b* is the shank of the stationary jaw, secured to the handle *c*. *d* is the slotted frame secured by rivets, &c., to the stationary shank *b*, or made in one piece with it. The frame *d* is provided with the horizontal slot or opening *e*, for the reception of the egg-shaped nut *f*, that is capable of lateral motion within said slot during the operation of the wrench. *g* represents the movable jaw with its serrated edges *g' g' g'*, pointing inward, as shown. *h* is the screw-threaded shank of the movable jaw *g*, which shank is flattened on two opposite sides, as shown, and inserted through the flattened vertical slots or openings *i i* in the stationary frame *d*, so as to prevent said shank from turning around its axis when operated by the egg-shaped nut *f* that surrounds it. *k* is the spring secured to the shank *b*, and resting loosely against the inside of the movable shank *h*, or vice versa, for the purpose set forth.

What I wish to secure by Letters Patent, and claim, is—

The herein-described wrench, consisting of the stationary jaw and shank *a b*, the stationary frame *d*, with its slots *e i i*, the egg-shaped nut *f*, the movable shank and jaw *h g*, and spring *k*, as and for the purpose set forth.

In testimony that I claim the foregoing as my own invention I have affixed my signature in presence of two witnesses.

LAWRENCE GLYNN.

Witnesses:

ALBAN ANDRÉN,
HENRY CHADBURN.