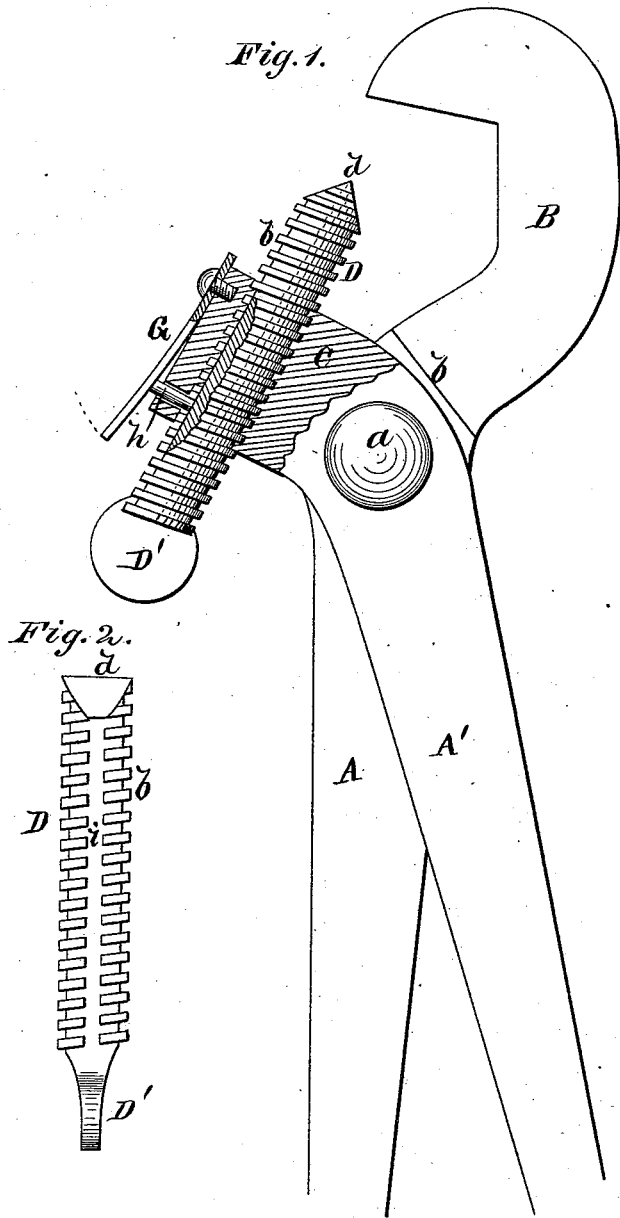


A. H. JARECKI.
PIPE-TONGS.

No. 190,330.

Patented May 1, 1877.



WITNESSES
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ALBERT H. JARECKI, OF ERIE, PENNSYLVANIA.

IMPROVEMENT IN PIPE-TONGS.

Specification forming part of Letters Patent No. **190,330**, dated May 1, 1877; application filed April 6, 1877.

To all whom it may concern:

Be it known that I, ALBERT H. JARECKI, of Erie, in the county of Erie, and in the State of Pennsylvania, have invented certain new and useful Improvements in Pipe-Tongs; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a pipe-wrench or pipe-tongs, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a side view, part in section, of my improved pipe-tongs. Fig. 2 is a side view of the bit.

A and A' represent the two handles of my pipe-tongs, pivoted together at *a*. The handle A is extended beyond the pivot, substantially in the manner shown in Fig. 1, and forms the hook B.

The other handle, A', extends also beyond the pivot *a*, and is bent nearly at right angles, and is provided with a head, C. The two handles are formed with shoulders *b*, immediately beyond the pivot, to form stops for the handles, both in opening and closing.

D represents the bit, made in the form of a round bolt, with exterior screw-threads *b*, and has one end beveled on both sides to form a

central sharp edge, *d*, and on the other end of the bit is formed a thumb-piece, D', by means of which the bit may be turned.

In the head C is made a hole with female screw-threads, through which the bit D is screwed and adjusted to any size pipe desired.

When adjusted in position the bit is held by means of a pin, *h*, passing through a hole in the head, and entering a longitudinal groove, *i*, in the bit D, which prevents the bit from being twisted when griping the pipe, and as the bit then cannot turn, it is also prevented from moving lengthwise.

The pin *h* is riveted or otherwise permanently secured to a flat spring, G, which is fastened to the outside of the head C in such a position that the pin *h* will enter the hole made for it in the head.

When the bit D is to be turned, the spring G is raised by its outer end sufficiently far for the pin *h* to clear the groove *i* in the bit.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The spring G, with pin *h*, in combination with the head C and the bolt D, having longitudinal groove *i*, and thumb-piece D' on the lower end of same, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 4th day of April, 1877.

ALBERT H. JARECKI.

Witnesses:

FRANK GALT,
HENRY N. MILLER.