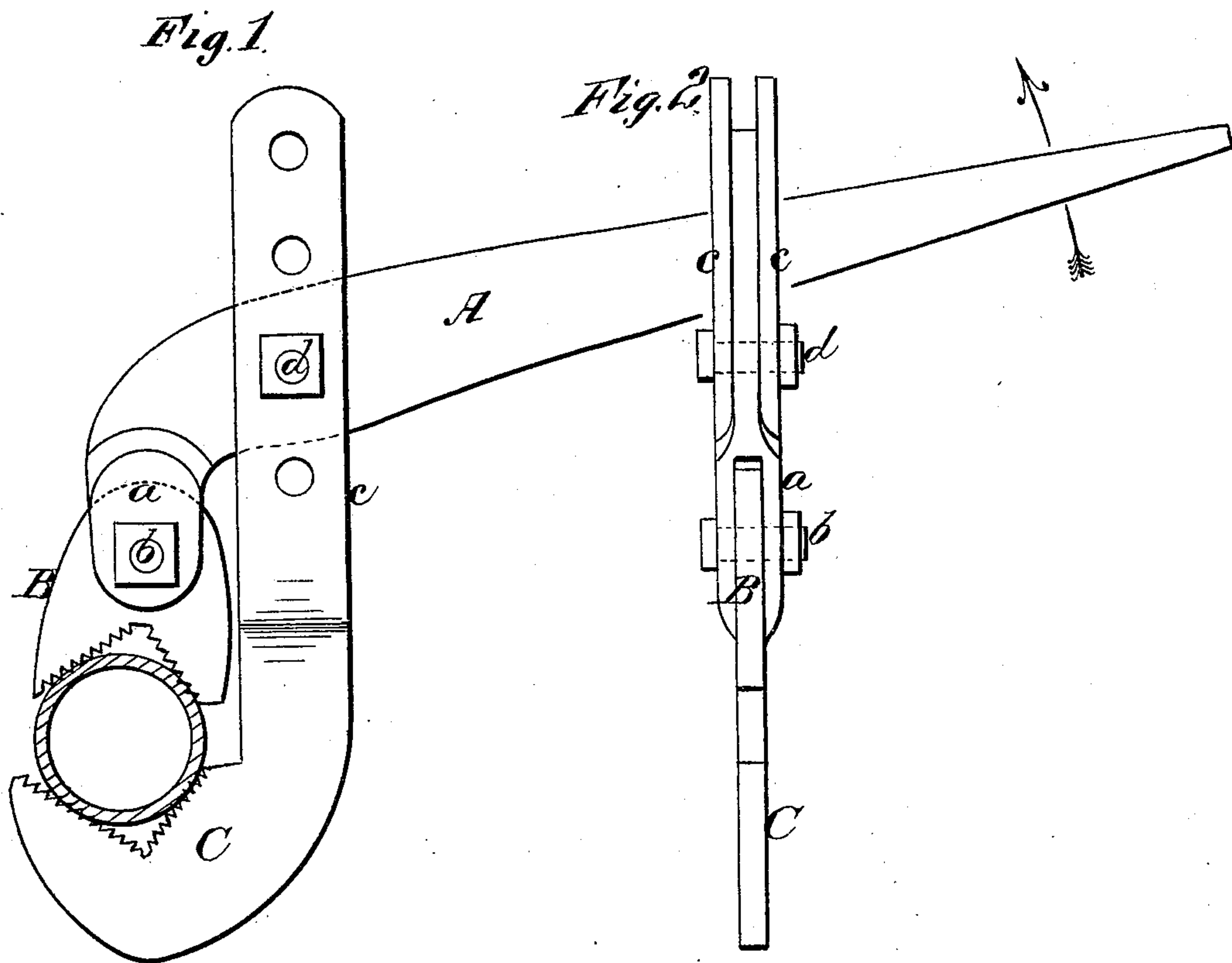


J. B. WESTWICK.
Pipe Wrenches.

No. 151,639.

Patented June 2, 1874.



WITNESSES
E. H. Bates
George C. Upham. By

INVENTOR
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UNITED STATES PATENT OFFICE.

JAMES B. WESTWICK, OF GALENA, ILLINOIS, ASSIGNOR OF PART INTEREST
TO J. P. HOFFMAN, JOSEPH METZGN, AND J. DANIEL HOFFMAN, OF
SAME PLACE.

IMPROVEMENT IN PIPE-WRENCHES.

Specification forming part of Letters Patent No. **151,639**, dated June 2, 1874; application filed
February 14, 1874.

To all whom it may concern:

Be it known that I, JAMES B. WESTWICK, of Galena, in the county of Jo Daviess and State of Illinois, have invented a new and valuable Improvement in Pipe-Wrenches; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a side view of my wrench. Fig. 2 is an end view of the same.

The object of this invention is to provide a pipe-wrench of simple construction, which will automatically adapt its serrated bearings to the surface of pipes of different sizes; and it consists in the construction and novel arrangement, in connection with a single lever having a bent bifurcated end, of a short pivoted jaw seated in said bifurcated end, and a long adjustable pivoted arm provided with a jaw turned in the opposite direction, both said jaws being V-shaped and serrated on each side, forming four bearings for the pipe, every one of which comes automatically into position to "bite" when the wrench is applied, as hereinafter more fully described.

The following is a description of my improvement:

In the annexed drawing, A designates the handle or lever of the wrench, one end of which is curved and bifurcated, as shown at *a*, and receives a jaw, B, having angular and serrated gripping-surfaces, as shown in Fig. 1. C designates another gripping-jaw, which is opposed to the jaw B, and which presents angular serrated gripping-edges like this jaw B.

Jaw C is formed on the curved end of a bifurcated shank, *c*, which receives, between its bifurcations, the lever A, and is connected to this lever by a pivot-bolt, *d*. There are several holes through the shank of jaw C for receiving the bolt *d*, and allowing this jaw to be adjusted for pipes varying considerably in their diameters.

When the jaws B C are adjusted upon a pipe, and the lever A is moved in a direction indicated by the arrow in Fig. 1, the jaws will automatically adjust themselves and firmly gripe the pipe, and with a force which will increase as the resistance increases.

The jaw B, having the double angular inclined bearing-surfaces, and pivoted to the handle at *b*, will readily conform to the shape and size of the pipe, and at the same time firmly gripe it between the angular jaws in an automatic manner.

The wrench herein described may be used to advantage for screwing up and unscrewing nuts.

What I claim as new, and desire to secure by Letters Patent, is—

The pipe-wrench herein described, consisting of the handle-lever A and, pivoted thereto, the short V-shaped jaw B, and the long adjustable V-shaped jaw C, said jaws being each serrated on each side, and adapted to automatically adjust the four bearings thus formed to the work, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JAMES B. WESTWICK.

Witnesses:

JOSEPH H. BARRY,
J. P. HOFFMAN.