S. N. JESSOP.

PIPE-TONGS.

No. 186,575. Patented Jan. 23, 1877.

Fig. 1

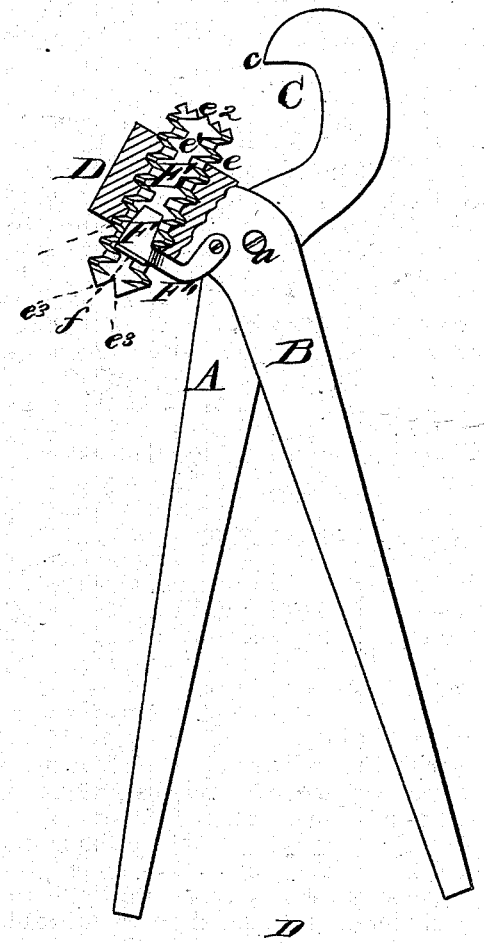

Fig. 2.

WITNESSES

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SAMUEL N. JESSOP, OF ERIE, PENNSYLVANIA, ASSIGNOR OF ONE-THIRD HIS RIGHT TO RICHARD G. M. HAUPT, OF SAME PLACE.

IMPROVEMENT IN PIPE-TONGS.

Specification forming part of Letters Patent No. **186,575**, dated January 23, 1877; application filed January 6, 1877.

To all whom it may concern:

Be it known that I, SAMUEL N. JESSOP, of Erie, in the county of Erie and State of Pennsylvania, have invented a new and valuable Improvement in Pipe-Tongs; 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 drawings is a representation of a side view of the pipe-tongs, part sectional; and Fig. 2 is a bottom view of the bit.

This invention relates to pipe-wrenches; and it consists in providing one of the jaws of such wrenches with a tubular screw-tapped block for the adjustment of a screw-threaded bit, which may be locked or clamped in any desired position of such adjustment by means of a pivoted piece carrying a wedge on its free end.

In the accompanying drawings, A and B, respectively, designate the handles of my pipe-wrench, which are pivoted together at *a*, in the usual manner. Handle A is provided, beyond said pivot, with a rigidly-attached curved jaw, C, having a pointed tip, *c*; and handle B is provided, opposite to said jaw, with a rigidly-attached tubular internally screw-threaded block, D. E designates a nearly-cylindrical bit, which is provided with screw-threads *e*, corresponding with those on the inside of tubular block D. Said bit E is also flattened at its sides, as shown at e'; and said tubular block is provided at one side of central opening *d* with a corresponding recess, d'. As said bit is longer than said tubular block, the inner end of said bit may be conveniently adjusted more or less toward the opposite jaw C, so as to be adapted to grasp pipes of different sizes. Said bit E is locked in any desired adjustment by means of a wedge, F, on the free end of a small arm, F′, which is pivoted at its other end to handle B near pivot *a*. To effect such locking, wedge F is forced in between the flat part e^1 of bit E and the flat side of recess d', so as to fill said recess and prevent the rotation of said bit. By swinging arm F′ back on its pivot, the said bit E is unlocked again in readiness for further adjustment. To facilitate this unlocking the base of wedge F is provided with a small flange or thumb-piece, *f*.

Either end of said bit may be used for grasping the pipe. One of said ends is provided with an inclined face having a series of ridges, e^2, arranged parallel to one another, and across the line of inclination of the same. The other end of said bit is provided with two equal ridges, e^3 e^3, having a cleft between them. When the other end is used for grasping, a screw-driver or other tool may be applied between said ridges e^3 e^3, for the purpose of adjusting said bit, as described; or the said bit may be screwed inward and outward by hand.

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

In a wrench, the combination of tubular internally screw-threaded block D, having recess d', with screw-threaded bit E, flattened at e^1, and wedge F, substantially as set forth.

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

SAMUEL N. JESSOP.

Witnesses:

JOSHUA NEWBOLD,

WILSON LAIRD.