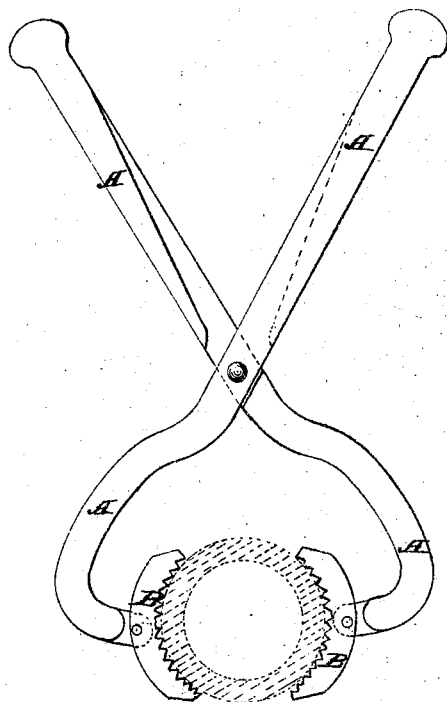


J. A. MORRISON.

Improvement in Wrenches and Pipe-Tongs.

No. 116,077.

Patented June 20, 1871.



Witnesses:

P. C. Gisteneh
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Inventor:

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UNITED STATES PATENT OFFICE.

JAMES A. MORRISON, OF BRADY'S BEND, PENNSYLVANIA.

IMPROVEMENT IN WRENCHES AND PIPE-TONGS.

Specification forming part of Letters Patent No. 116,077, dated June 20, 1871.

To all whom it may concern:

Be it known that I, JAMES A. MORRISON, of Brady's Bend, in the county of Armstrong and State of Pennsylvania, have invented a new and useful Improvement in Combined Pipe-Tongs and Wrench; 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 make and use the same, reference being had to the accompanying drawing forming part of this specification, in which the figure is a side view of my improved instrument.

My invention has for its object to furnish an improved instrument for screwing and unscrewing tubing, nuts, &c., which shall be light, strong, simple in construction, convenient in use, and effective and reliable in operation; and it consists in the construction of the device, as hereinafter described, the same consisting of two handles, curved on one side of their pivot, and two curved serrated jaws pivoted thereto in such a manner as to adapt them to hold tubes, &c., whether true cylinders or not.

A are the handles, arms, or levers of the instrument, which are pivoted to each other, as

shown in the figure. The rear parts or handles of the levers or arms A are made straight and their forward parts are curved, as shown in the figure, so as to point toward each other, and upon them are formed tenons, which enter recesses in the convex sides or backs of the curved jaws B, to which they are detachably pivoted by short bolts and nuts, so that the said jaws may adjust themselves to objects of different sizes and shapes. The jaws B are serrated upon their inner or concave sides, said teeth being so formed as to take hold of the object and turn it in either direction.

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

The jaws B B, serrated on their concave inner surfaces, and pivoted to the tenoned and curved ends of the handles A A, as shown and described, whereby said parts are adapted to operate, as specified, to clamp tubes and other articles.

JAMES A. MORRISON.

Witnesses:

JOHN ENGEL,
DENIS MURPHY.