

W. W. WILCOX.
ENGRAVERS' VISES.

No. 176,722.

Patented April 25, 1876.

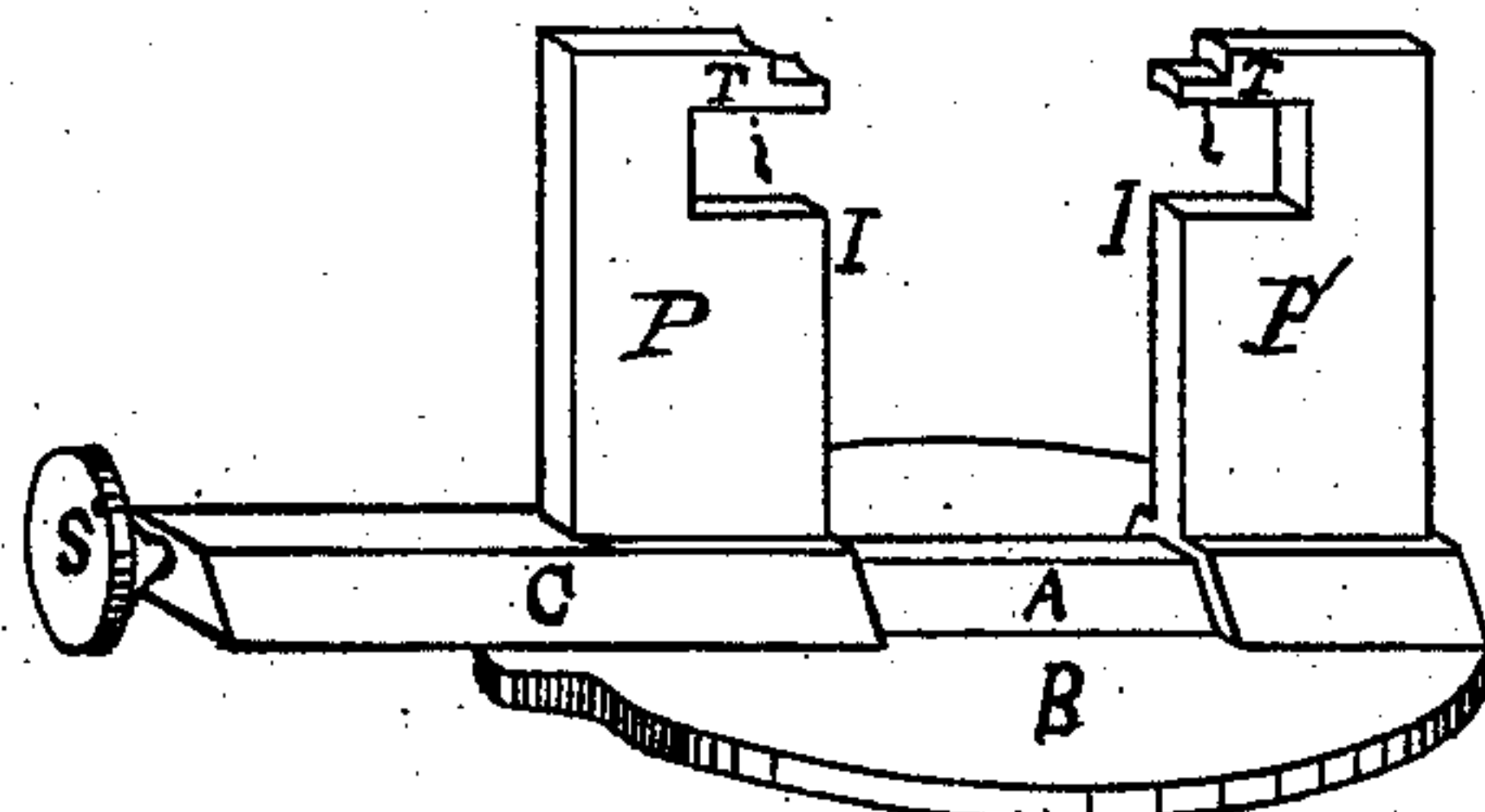


Fig. 1.

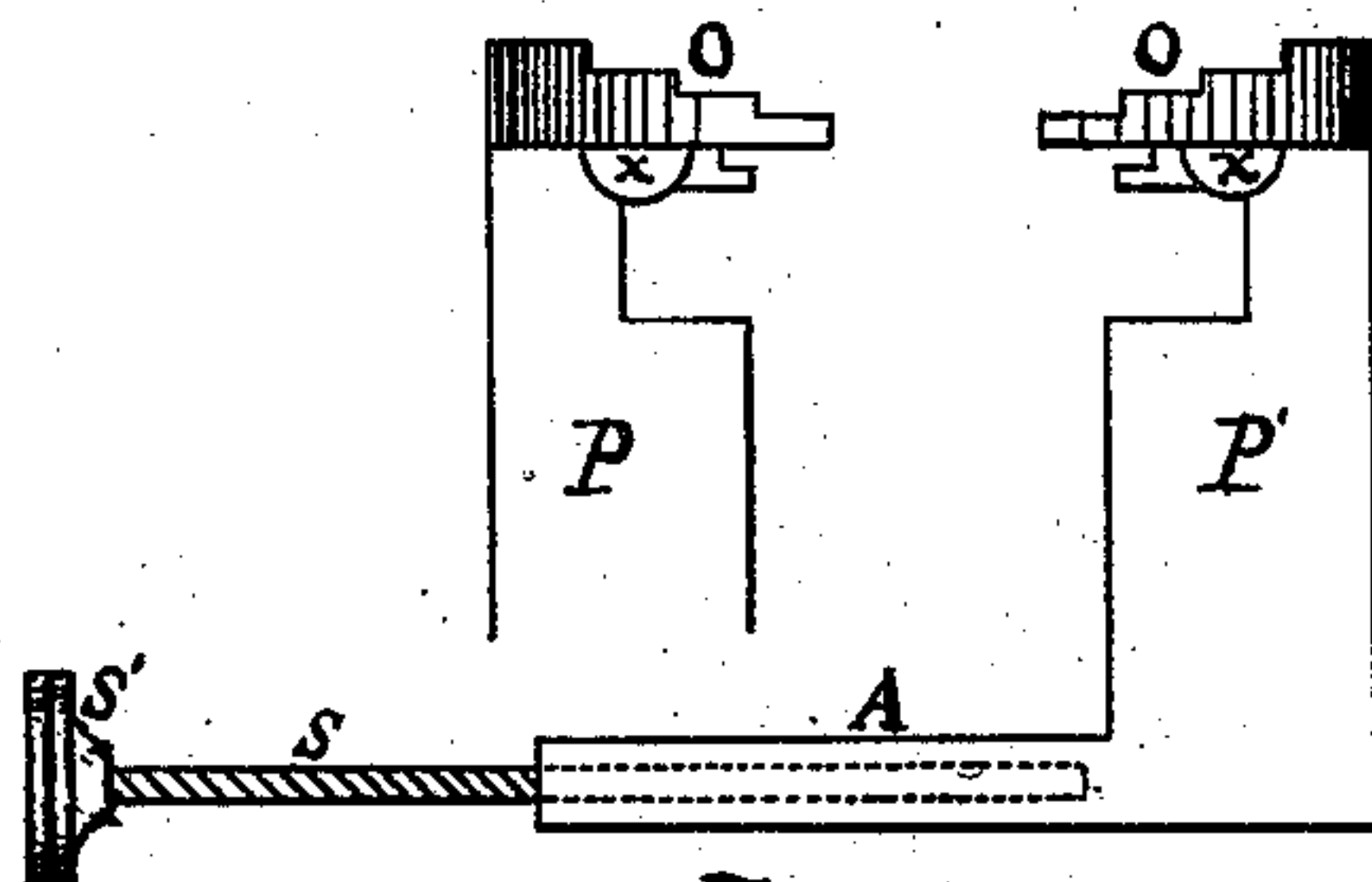


Fig. 2.



Fig. 3.



Fig. 4.

Witnesses

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WESLEY W. WILCOX, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN ENGRAVERS' VISES.

Specification forming part of Letters Patent No. **176,722**, dated April 25, 1876; application filed January 22, 1875.

To all whom it may concern :

Be it known that I, WESLEY W. WILCOX, of the city of Chicago, county of Cook, and State of Illinois, have invented a new and Improved Engraver's Vise, of which the following is a specification :

The object of my invention is to form a cheap and substantial parallel vise, having stationary and adjustable jaws, so arranged that a piece of coin, a ring, a thimble, or any similar article can be clasped in the vise for the purpose of engraving.

In the drawings, Figure 1 represents a perspective view of my invention with the adjustable jaws removed. Fig. 2 is a side elevation of a portion of my invention with the adjustable jaws attached, and having a portion of the casing C cut away in order to show the connection of the screw S with the bar A, by means of which the jaw P is operated. Fig. 3 is a front view of one of the adjustable jaws, and Fig. 4 represents a top view of one of the adjustable jaws.

In Fig. 1, B is the base of the vise. C is a box or casing, which is rigidly attached to the base B, and forms part of the foot of the post P. A is a bar, which slides back and forth in the box C. It is rigidly attached to the foot of post P', and is provided with a female screw, in which works the screw S, the same being provided with the milled head S', by turning which the post P' can be brought in contact with the post P or removed some distance from it. T T are the fixed jaws of the vise. At the point where they come in contact with each other they are grooved in the form either of an arc of a circle or a V, so as to firmly clasp a ring or any article of similar form. Beneath the jaws T T are the recesses *i i*. In holding a ring or thimble the shoulders I I also act as jaws of the vise. In engraving a shirt-stud, or any article having a standard, the standard is clasped by the up-

per jaws T T. The upper part of the stud is above the jaws, and the lower part projects into the recesses *i i*.

O O represent the adjustable jaws. Each jaw consists of a piece of metal of a semi-circular or any desired form, and is provided with a loop, which slides over the jaw T, the same being so constructed as to fit closely and be held firmly, as shown at *x x*. Each jaw is provided with a series of steps or notches, so as to receive a large or a small coin with but a slight movement of the movable jaw P', and also so as to enable the operator to engrave articles of a great variety of sizes with a single vise.

Instead of using the steps or notches, as shown in the drawings and described above, the adjustable jaws O may be constructed with a smooth upper surface, and may be provided with headless screws, so as to be screwed down flush with the upper face of the jaw, or be raised above, so as to receive the article to be engraved.

The posts P P' are rectangular in form and made thin, so as to grasp the object to be operated upon the more firmly, and not to be in the way of the engraver's tool.

Having thus described my invention, what I claim to have invented, and desire to secure by Letters Patent, is—

1. The rectangular posts P P', provided with the recesses *i i* and shoulders I I, in combination with the bar A, socket C, screw S, and base B, substantially as described.

2. In combination with the posts P P', the adjustable jaws O O, having the loops *x x*, and constructed with steps or notches, substantially as described.

WESLEY W. WILCOX.

Witnesses :

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