

W. Butler,

Vise.

N^o 9,294.

Patented Oct 5, 1852.

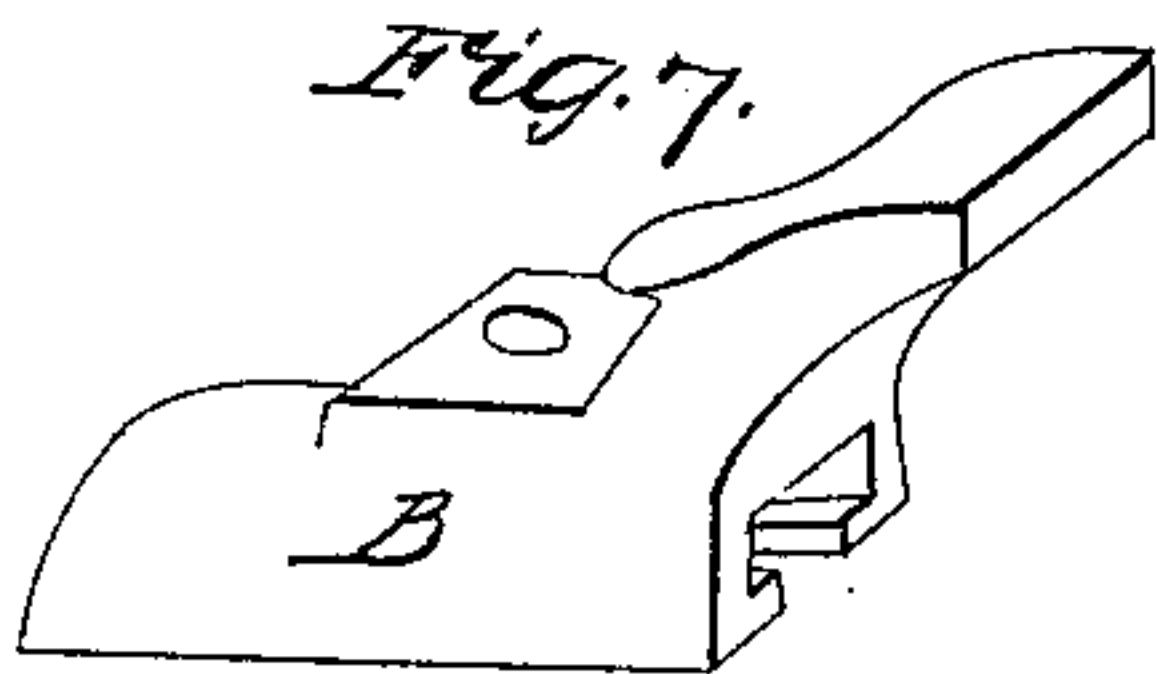
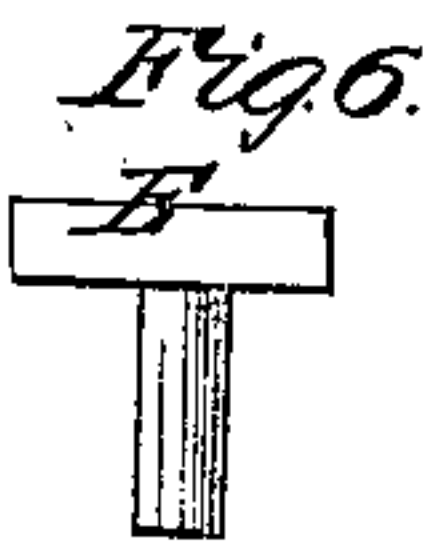
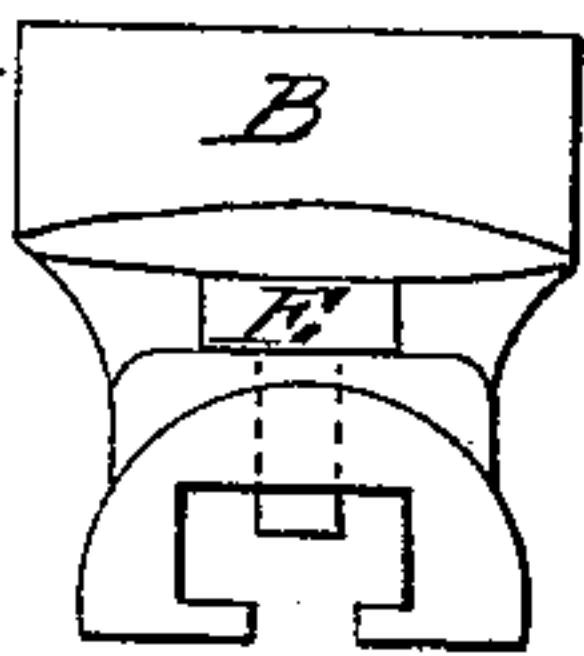
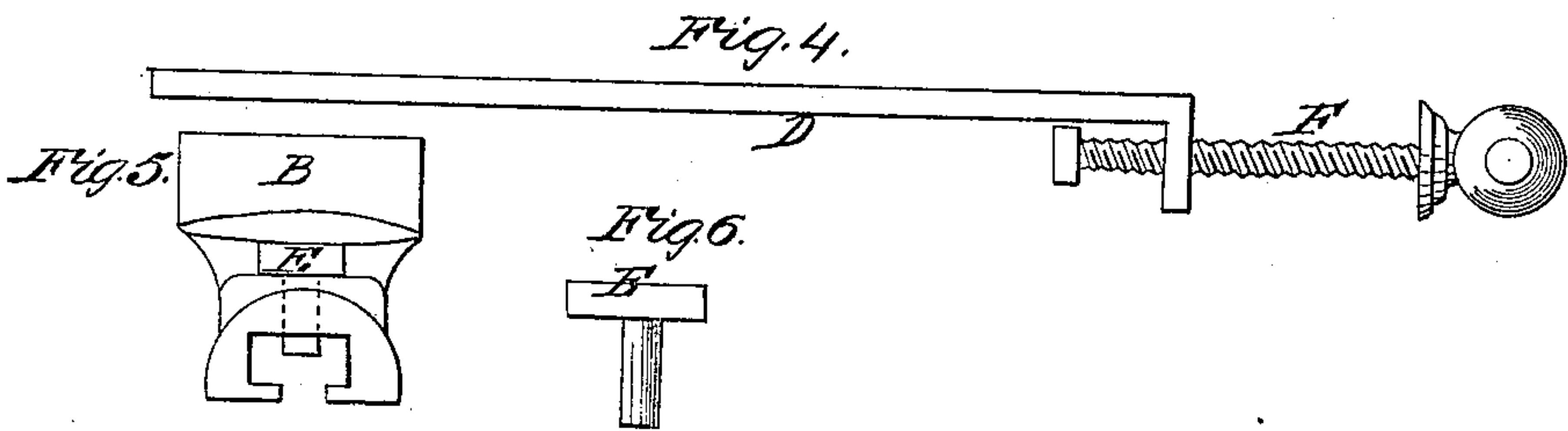
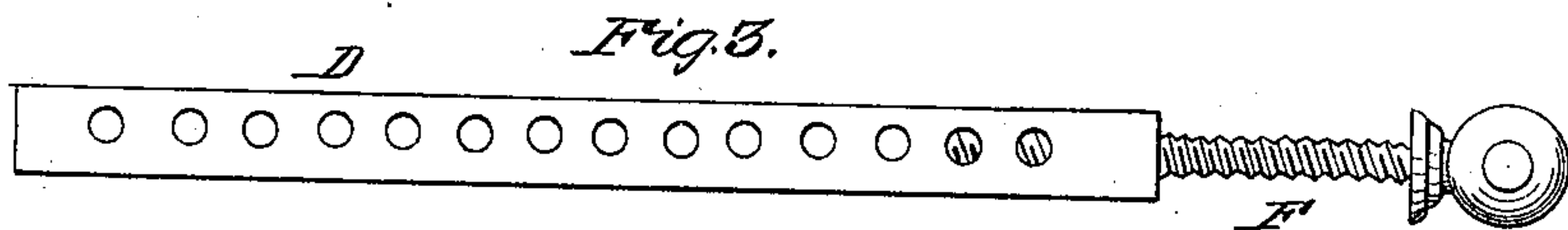
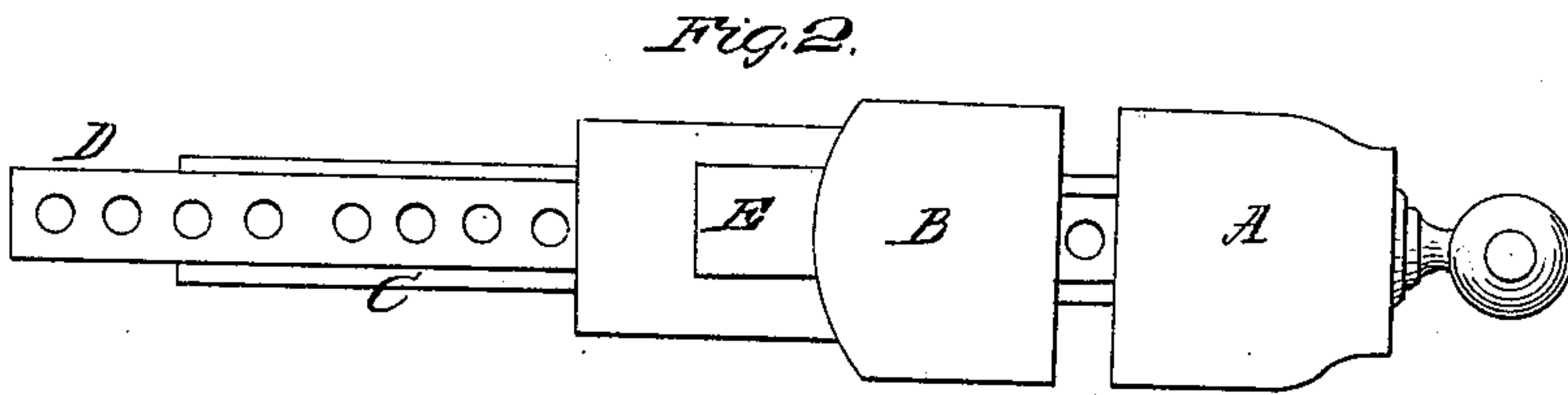
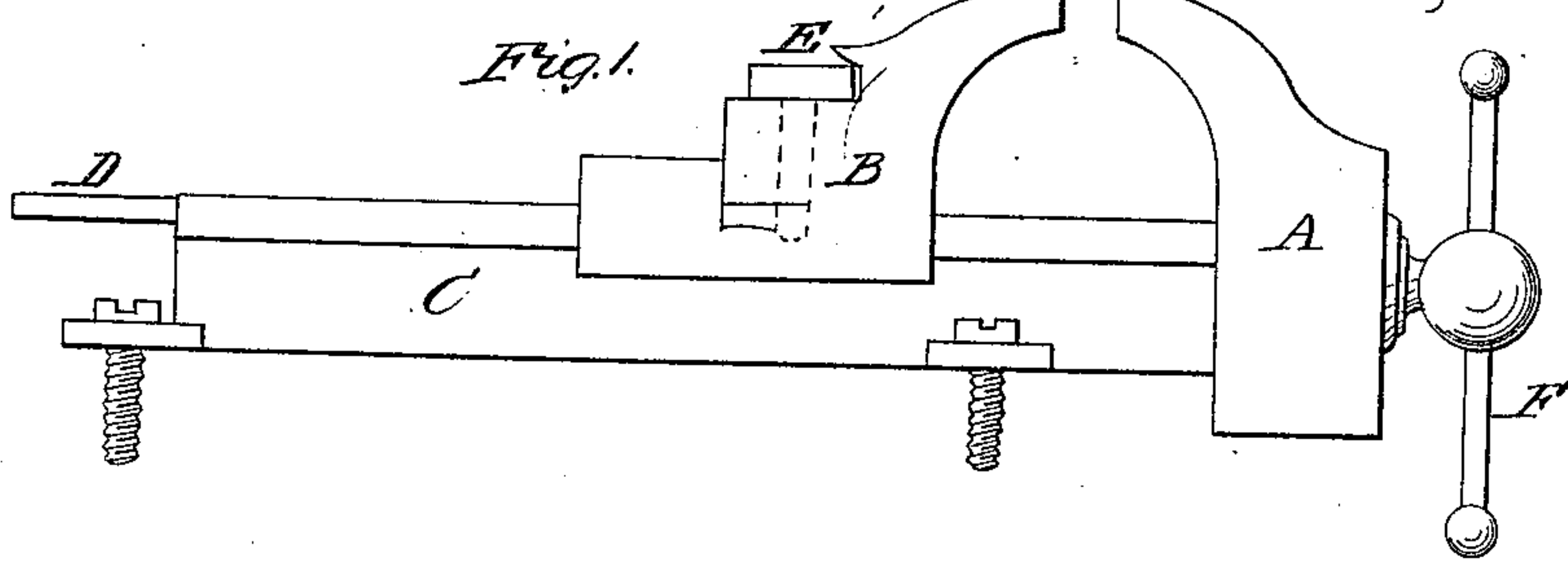
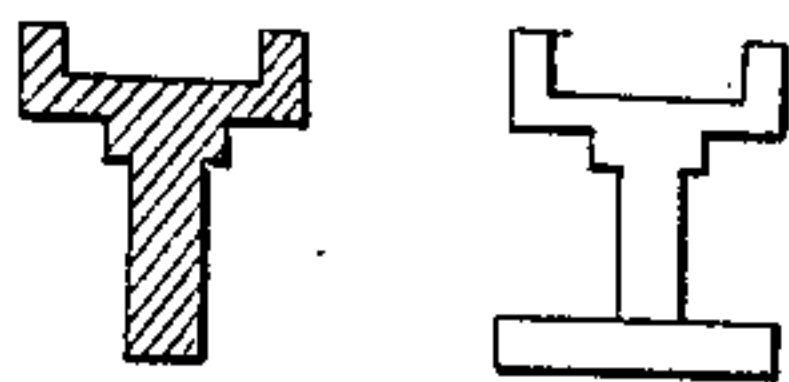


Fig. 8. Fig. 9.



UNITED STATES PATENT OFFICE.

WM. BUTLER, OF LITTLE FALLS, NEW YORK.

WISE.

Specification of Letters Patent No. 9,294, dated October 5, 1852.

To all whom it may concern:

Be it known that I, WILLIAM BUTLER, of Little Falls, Herkimer county, State of New York, have invented a new and useful Improvement in Vises for Blacksmiths' Purposes and for other Uses; and I hereby declare that the following is a full and exact description.

To enable others to make and use my invention I proceed to describe its construction and operation, reference being had to the drawings hereto annexed and making part of this specification.

Figure 1, a side elevation; Fig. 2, view looking down upon it; Fig. 3, plan of the tongue; Fig. 4, side elevation of the same; Fig. 5, the sliding jaw; Fig. 6, the adjusting pin; Fig. 7, perspective view of the sliding jaw; Fig. 8, section of the bar; Fig. 9, end of the bar.

The bar (C) is bolted or secured to the work bench, and the jaw or head (A) is permanent. In the broad channel at the top of the bar (see Fig. 8 for a section) the tongue D slides; this is a flat bar of iron or brass perforated with holes, the end toward the permanent jaw A being turned down a few inches, and the end thus turned down containing a screw hole to receive the screw F, which is secured in its place by a nut at the end. This slide is the important feature of my improvement; by means of it the adjusting the vise is simple, and not liable to get out of order; besides, that the whole is

so simple in its construction, that any mechanic could make it. The sliding jaw sits upon the permanent bar C, and clasps the flange on each side, see Figs. 3 and 7. It is thus held firmly upon the bar, C, except that it can slide freely. When it is placed upon the bar, and the slide or tongue D, is in place the adjusting pin, E, (Fig. 6), is set into the sliding jaw, (in the hole provided for the purpose see Fig. 7) and made to extend through into the holes of the slide or tongue D. To change the position of the sliding jaw of the vise, the pin, E, is lifted out of the tongue, D, and then the jaw can be moved freely to the desired point.

The adjusting pin E, is secured from being drawn entirely out from the hole in the sliding jaw of the vise, by a lip or projection over it of part of the jaw, see Fig. 1.

What I claim as my invention, and desire to secure by Letters Patent, is;

The arrangement of the sliding bar with screw attached thereto, with reference to the fast jaw, A, and the moving jaw B, when said sliding bar is provided with a series of holes or their equivalents, and said jaw B, is provided with a pin or its equivalents, whereby B can be set at varying distances with respect to A, and that distance afterward regulated by the screw.

W. BUTLER.

Witnesses:

ROBERT CARTER,
GEO. P. WILCOX.