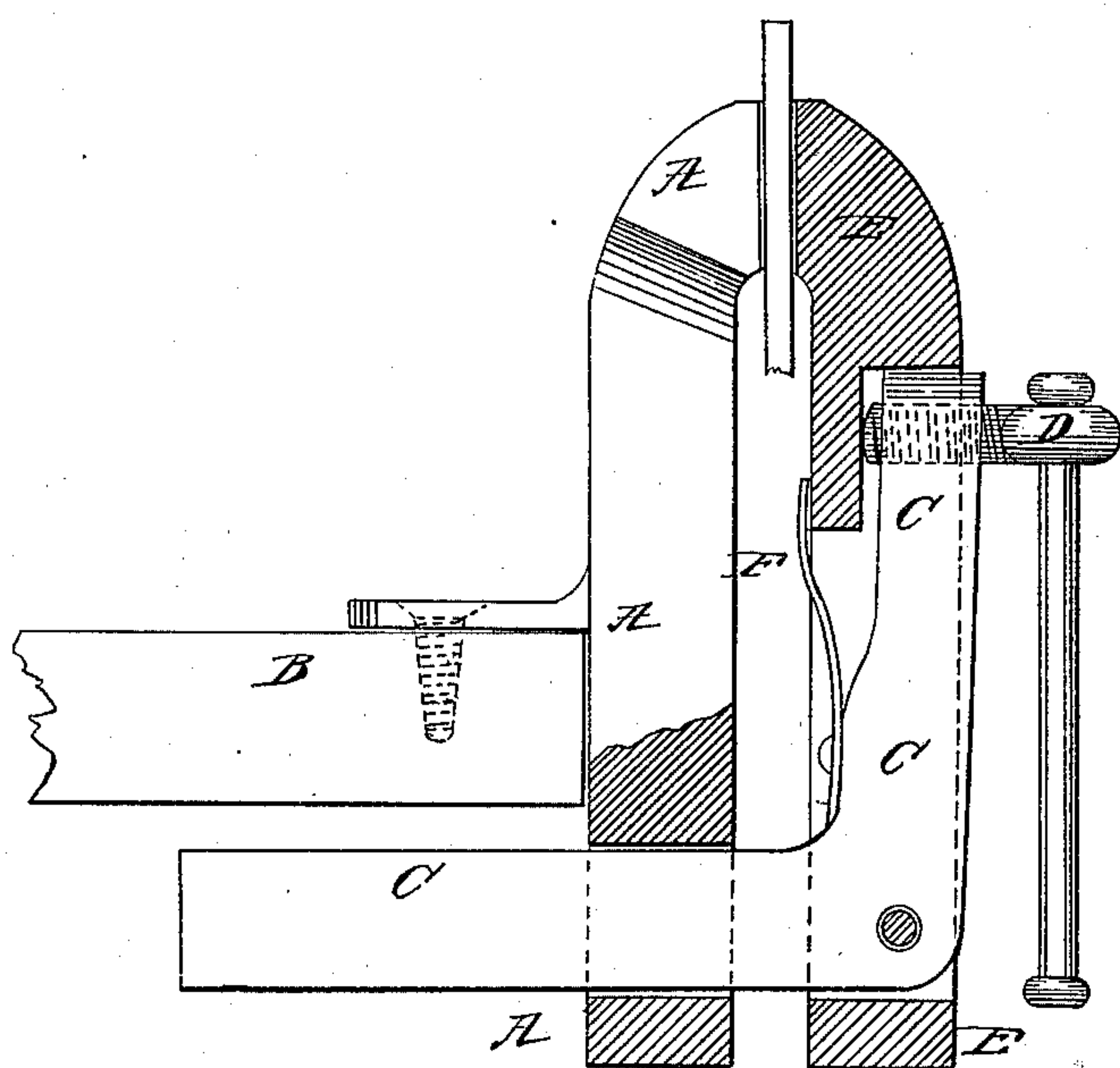


F. B. Johnson,

Vise.

N^o 78,746.

Patented June 9, 1868.



Witnesses.

*W. C. Ashkett &
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United States Patent Office.

F. B. JOHNSON, OF DE WITT, IOWA.

Letters Patent No. 78,746, dated June 9, 1868.

IMPROVEMENT IN VISES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, F. B. JOHNSON, of De Witt, in the county of Clinton, and State of Iowa, have invented a new and improved Vise; 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 drawings, forming part of this specification.

The figure is a side view of my improved vise, parts being broken away to show the construction.

My invention has for its object to furnish a simple and convenient bench-vise, which shall be so constructed as to adapt itself to the shape of the object to be held, whether said object be straight or tapering; and it consists in the combination of the pivoted jaw, elbow-shank, clamping-screw, and spring, with each other, as hereinafter more fully described:

A is the stationary jaw, which is securely attached to the bench B in the ordinary manner. C is an elbow-shank, the lower or horizontal part or arm of which passes through a slot or hole in the lower part of the stationary jaw A, and through the upper end of which passes the clamping-screw D. E is the movable jaw, the lower part of which is slotted and recessed to receive the upper or vertical part or arm of the elbow-shank C, as shown in the figure.

The lower end of the movable jaw E is pivoted to the elbow-shank C at its angle, as shown in the figure. By this construction, the upper part of the jaw E is forced forward to clamp the object to be held by the screw D, the forward end of which presses against the bottom of the recess in the outer side of the movable jaw E, in which the upper end of the elbow-shank C rests.

F is a spring, one end of which is attached to the lower part of the vertical arm of the elbow-shank C, and the other end of which rests against the inner side of the upper part of the movable pivoted jaw E, to hold the said jaw close up against the end of the clamping-screw D, and thus to withdraw the said jaw from the object being held as the said screw is turned back.

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

1. The elbow-shank C and movable jaw E, constructed and arranged substantially as herein shown and described, in combination with each other, and with the stationary jaw A and clamping-screw D, as and for the purpose set forth.

2. The combination of the spring F with the elbow-shank C, and with the pivoted movable jaw E and screw D, arranged substantially as herein shown and described, and for the purpose set forth.

The above specification of my invention signed by me, this 21st day of March, 1868.

F. B. JOHNSON.

Witnesses:

Z. PLUMB,

L. F. BROWN.