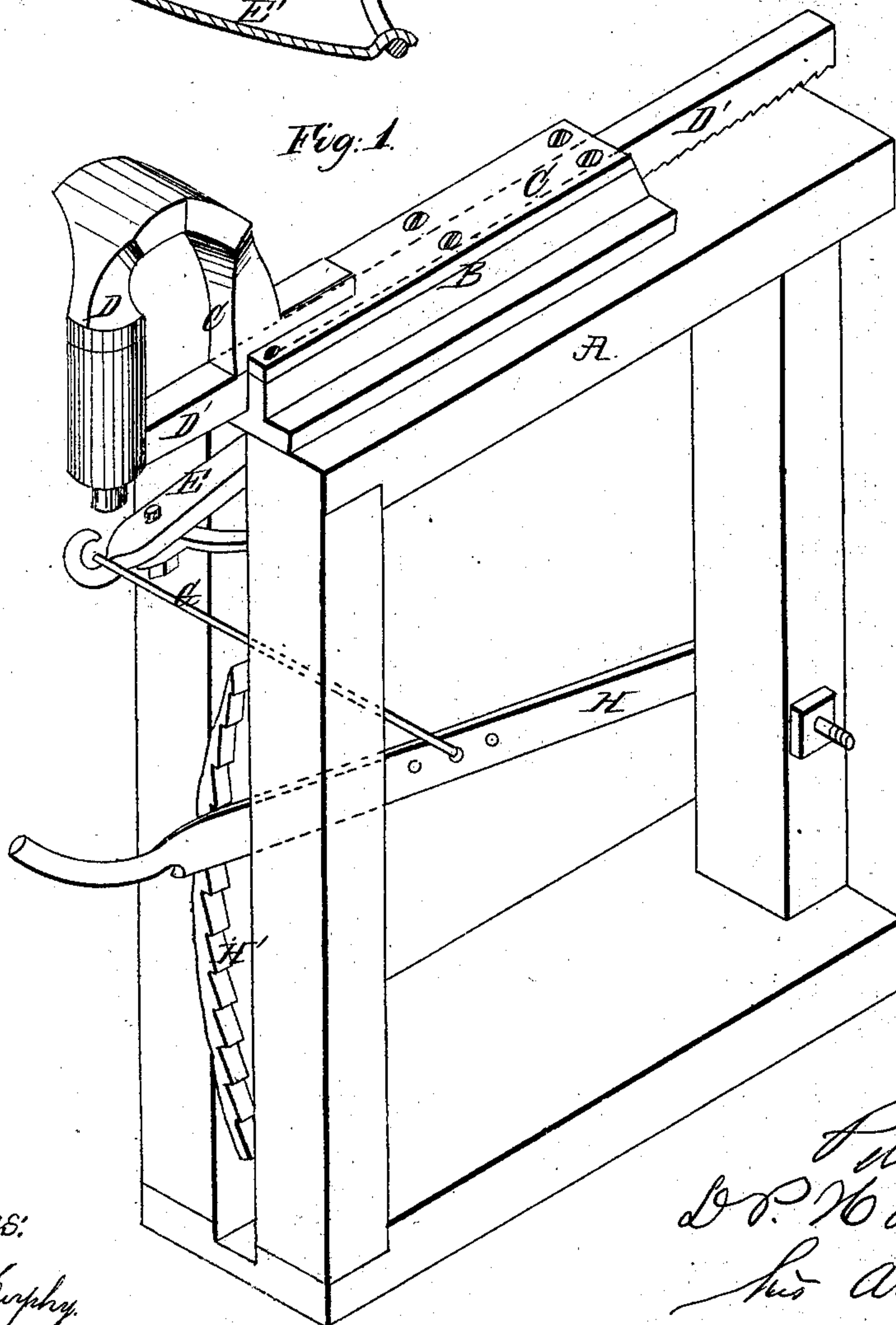
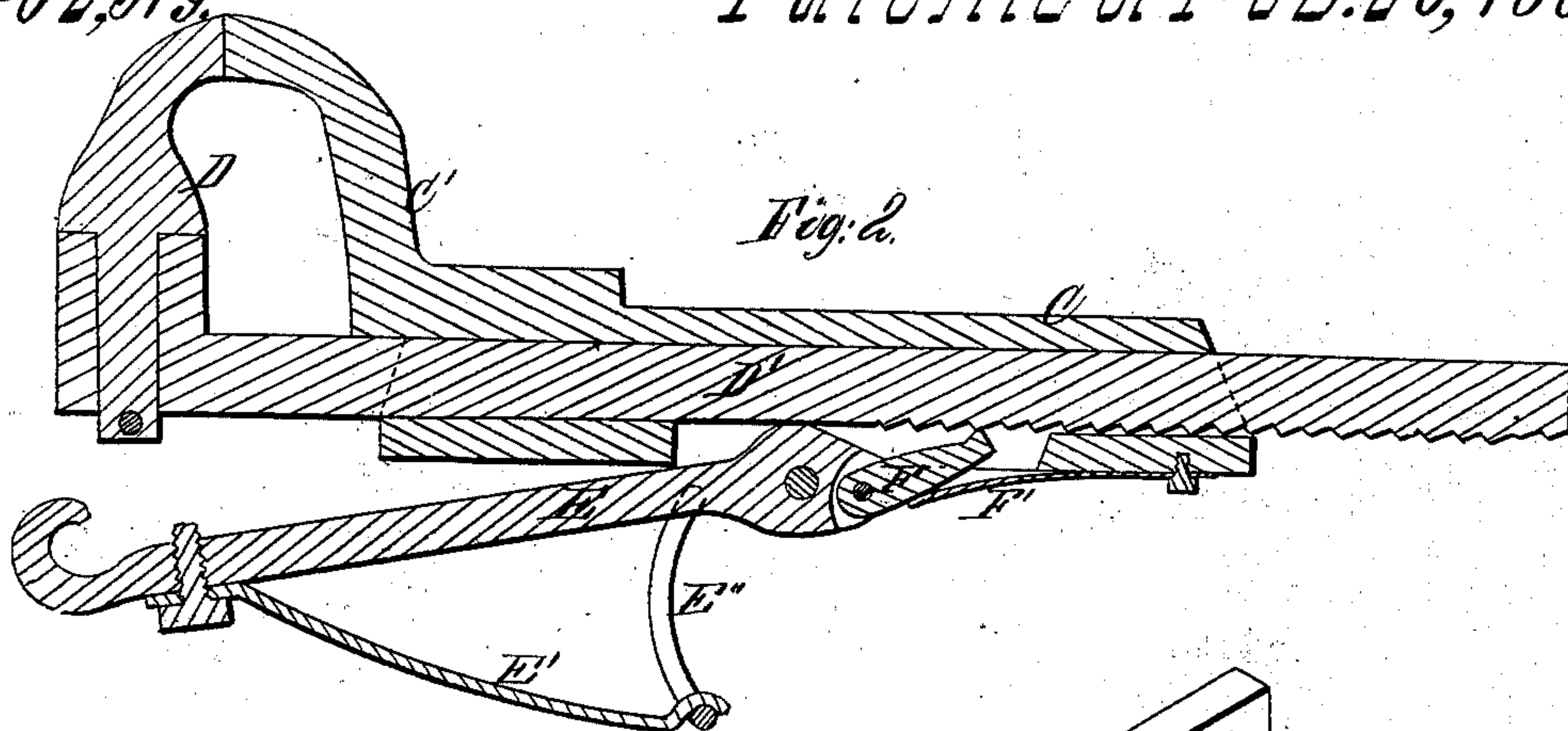


P. Crowl,

Vise.

No 2,319.

Patented Feb. 26, 1867.



Witnesses:
Blair
Lawrence Murphy

Inventor,
Peter Crowl
By D. P. Holladay
Att'y

United States Patent Office.

PETER CROWL, OF BROWNSVILLE, PENNSYLVANIA, ASSIGNOR TO HIMSELF AND H. H. FINLEY, OF SAME PLACE.

Letters Patent No. 62,319, dated February 26, 1867.

IMPROVED VISE.

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 PETER CROWL, of Brownsville, in the county of Fayette, and State of Pennsylvania, have invented a new useful Improvement in the Construction of Vises; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a perspective view; and

Figure 2 is a vertical longitudinal section.

The same letters are employed in both figures in the indication of identical parts.

These improvements are made in the vise patented by myself on the 29th of May, A. D. 1866, to which I make reference.

A represents the bench to which the vise is attached. B is a plate bolted to the bench; the cover C is bolted thereto; the stationary jaw C' being a part thereof. D is the movable jaw, attached by a swivel stem to the sliding stock D' which passes through a chamber formed between the plate B, (which is formed to receive it,) and the cover C. The stock has ratchet teeth cut in its lower face, as shown. E is a lever pivoted upon a pin passing through lugs depending from the plate B, from which said lugs also is suspended the swinging stirrup E², which holds the end of the spring E¹, by the tension of which the end of the lever E is pressed upwards; the rear end of the lever cut away to half its thickness to receive a similarly constructed end of the pawl F, attached by a pivot on which it turns freely, being pressed upward and sustained with its point pressing against the rack upon the stock D' by the spring F'. When the long end of the lever E is drawn down, the short end presses the point of the pawl F forward, which, catching upon the rack under the stock, draws the jaw D towards the jaw C'. When the long end of the lever E is raised, the pawl is drawn back, sliding over the inclined faces of rack. Thus by the action of the lever the jaw D is closed upon the jaw C'. This motion of the lever E is effected by the foot-lever H, (a lever of the third order,) pivoted at the inner end to the bench, and connected by the rod G with the long end of the lever E. The notched plate H' holds the lever H in position, retaining the grip of the vise. The adjustable jaw D conforms to the face of the object enclosed. This jaw may be pressed by hand against the object, the pawl slipping over the teeth in the rack on D', and there it is compressed and retained by pressing down the lever H.

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

The combination of the stationary jaw C, adjustable jaw D, and stock D', pawl F, and lever E, and springs F' and E¹, all of said parts being respectively constructed and arranged for use substantially in the manner and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

PETER CROWL.

Witnesses:

JACOB LOUSTUBE.

JACOB HUBER.