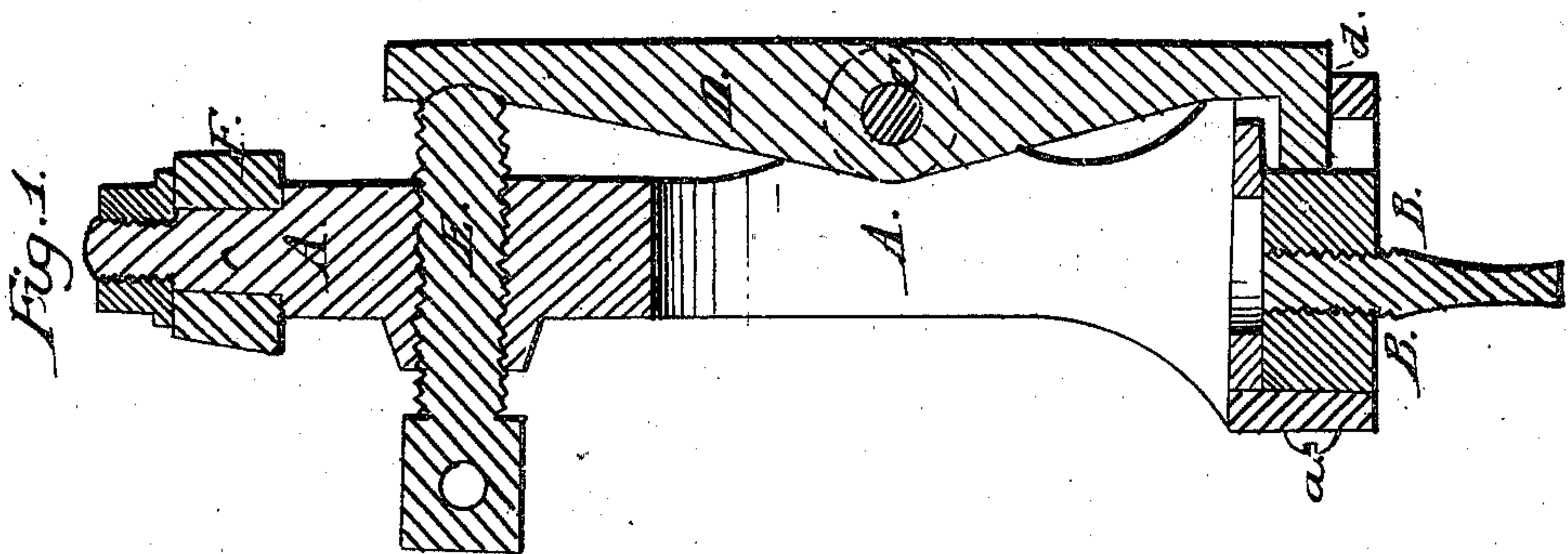
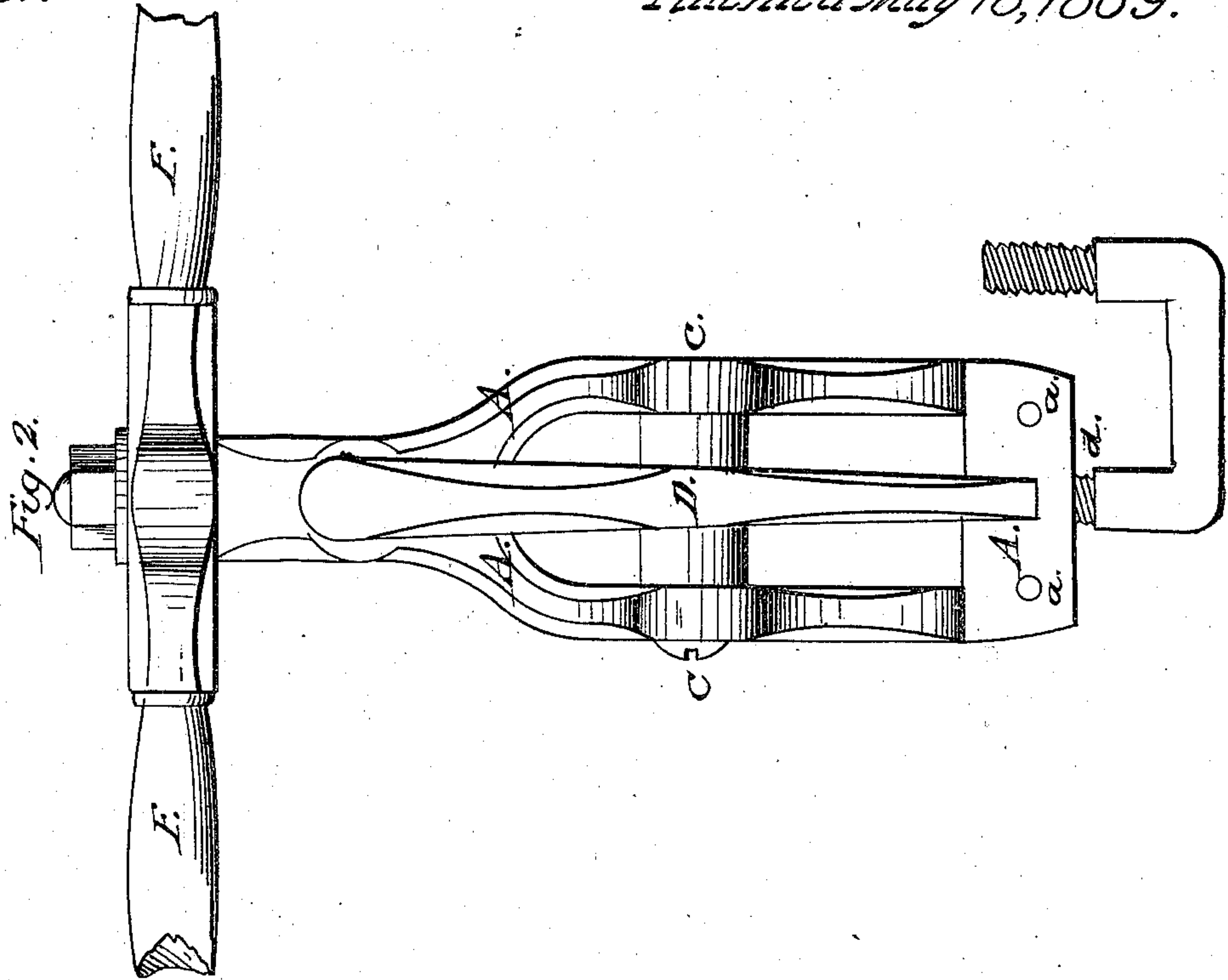


*Bond & Wroath.*

*Screw Plate.*

*Nº 90,151.*

*Patented May 18, 1869.*



*Witnesses:*  
*H. N. Miller*  
*John A. Ellis*

*Inventor:*  
*Bond & Wroath*  
*Per*  
*L. H. Alexander*  
*Att'y.*





WILLIAM BOND AND JOHN WROATH, OF SANDY HILL, NEW YORK.

*Letters Patent No. 90,151, dated May 18, 1869.*

**IMPROVED SCREW-PLATE.**

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

*To all whom it may concern:*

Be it known that we, WILLIAM BOND and JOHN WROATH, of the village of Sandy Hill, in the county of Washington, and State of New York, have invented certain new and useful Improvements in Screw-Plate; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, and in which—

Figure 1 represents a longitudinal section, and

Figure 2, a plan view of our screw-plate.

Similar letters of reference indicate like parts in both figures.

Our invention relates to improvements in screw-plates; and to this end it consists in the employment of a stock or frame provided with screw-plates, and adjustable screw-lever, in combination with such other devices, the peculiarity of which will be herein fully set forth.

To enable others skilled in the art to which our invention appertains, to make and use the same, we will now describe its construction and operation.

In the accompanying drawings—

A represents the stock or frame of the screw-plate, with its lower end hollowed out, as seen in fig. 1.

B B represent the screw-plates, one being made sta-

tionary, while the other is notched out at its ends, so as to slide up and down on the screws *a a*.

C C are projections formed on one side of the stock A. In these projections is pivoted, at its centre, the lever D, the lever being made as seen in fig. 1, its lower end passing through mortise *d*, formed in the lower end of stock A, and resting against sliding screw-plate B, while the other end of the lever rests against screw E, which passes through the upper part of stock A.

By this arrangement the screw, plates B B may be so adjusted as to cut any-sized screw.

F is the lever for operating the machine, and is secured to the upper end of the stock A.

Having thus described our invention,

What we claim as new, and desire to secure by Letters Patent, is—

The arrangement, substantially as described, of the stock A, lever D, screw E, handle F, and steadying-dies B B, for the purpose set forth.

In testimony that we claim the foregoing as our own, we affix our signatures, in presence of two witnesses.

WM. BOND.

JOHN WROATH.

Witnesses:

D. E. PARKS,

H. E. BAKER.