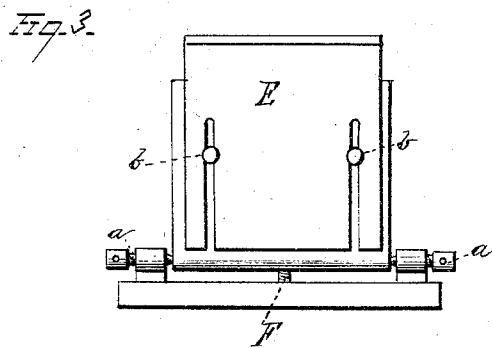
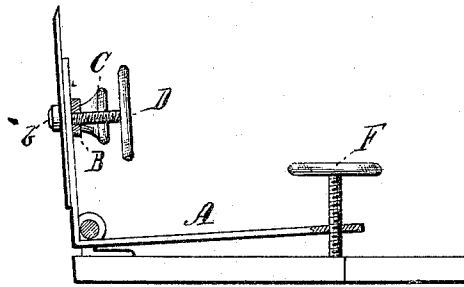
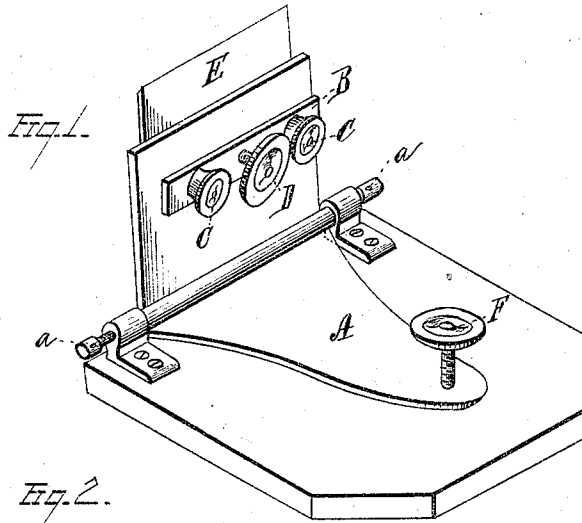


F. WHITE.
Sharpening-Machines.

No. 147,297.

Patented Feb. 10, 1874.



WITNESSES.

W. T. Newman.
Wm. H. Brewster Jr.

INVENTOR

Frank White

By

Leggett & Leggett
Attorneys.

UNITED STATES PATENT OFFICE.

FRANK WHITE, OF CINCINNATI, OHIO, ASSIGNOR TO POST & CO., OF SAME PLACE.

IMPROVEMENT IN SHARPENING-MACHINES.

Specification forming part of Letters Patent No. **147,297**, dated February 10, 1874; application filed December 13, 1873.

To all whom it may concern:

Be it known that I, FRANK WHITE, of Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Devices for Holding Knives, &c., in the Process of Grinding; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to a device for holding planing-knives, &c., in the process of grinding; and consists of the devices as hereinafter set forth and claimed.

In the drawings, Figure 1 is a view in perspective of my machine. Fig. 2 is a central vertical section of the same; and Fig. 3 is a back view of the machine, showing the knife in position.

A is an obtuse angular frame, pivoted upon set-screws *a*. B is a draw-bar, to which are secured the fastening-buttons *b*, the shanks of which project through holes in the plate A and the draw-bar B, and are provided on their front ends with screw-threads, upon which are run the milled thumb-nuts C. By running these thumb-nuts on or off, the lugs or buttons are made to project a less or greater distance

through the plate A, in order to accommodate a thick or thin blade. Through the center of the draw-bar B runs the milled headed screw D, which impinges upon the plate A and draws the bar B forward; which in turn draws the lugs or buttons *b* tightly against the blade E, and thus secures it in position to be ground. The bevel to which the plate is to be ground is regulated by the tilting-screw F, which passes through the plate A and impinges upon the bed. The blade E is provided with slots *e*, or their equivalents, by which it may be slipped over the buttons *b*.

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

1. The angular plate A, provided with the draw-bar B, buttons *b*, set-screw C, and tilting-screw F, the whole mechanism poised upon the set-screw pivots *a*, substantially as shown and described.

2. The combination of the draw-bar B, buttons *b*, and set-screw D, substantially as and for the purpose described.

In testimony that I claim the foregoing I have hereunto set my hand this 11th day of December, 1873.

Witnesses: FRANK WHITE.
ALEX. GRAYDON,
JOHN M. FITZGERALD.