

W. Brown,

Hone,

No. 98,551.

Patented Jan. 4, 1870.

Fig. 1.

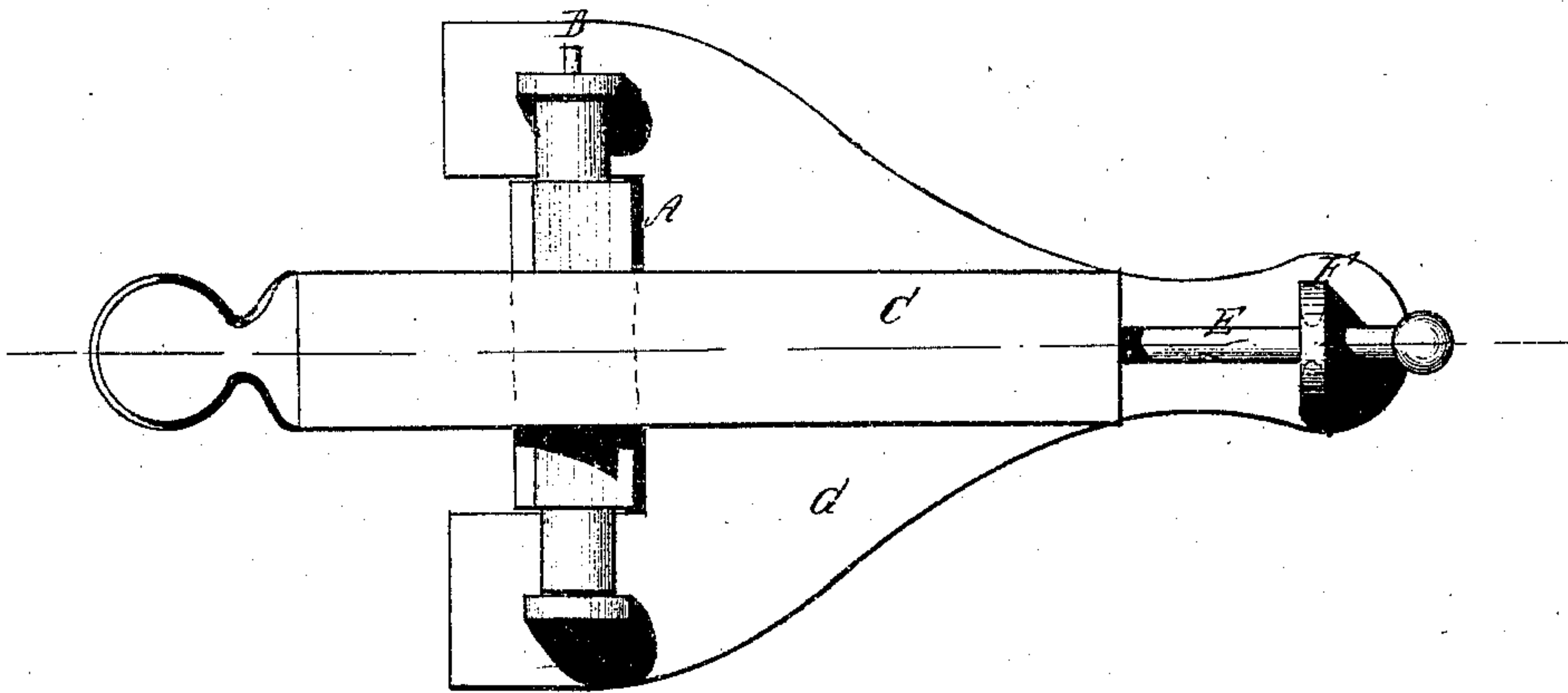
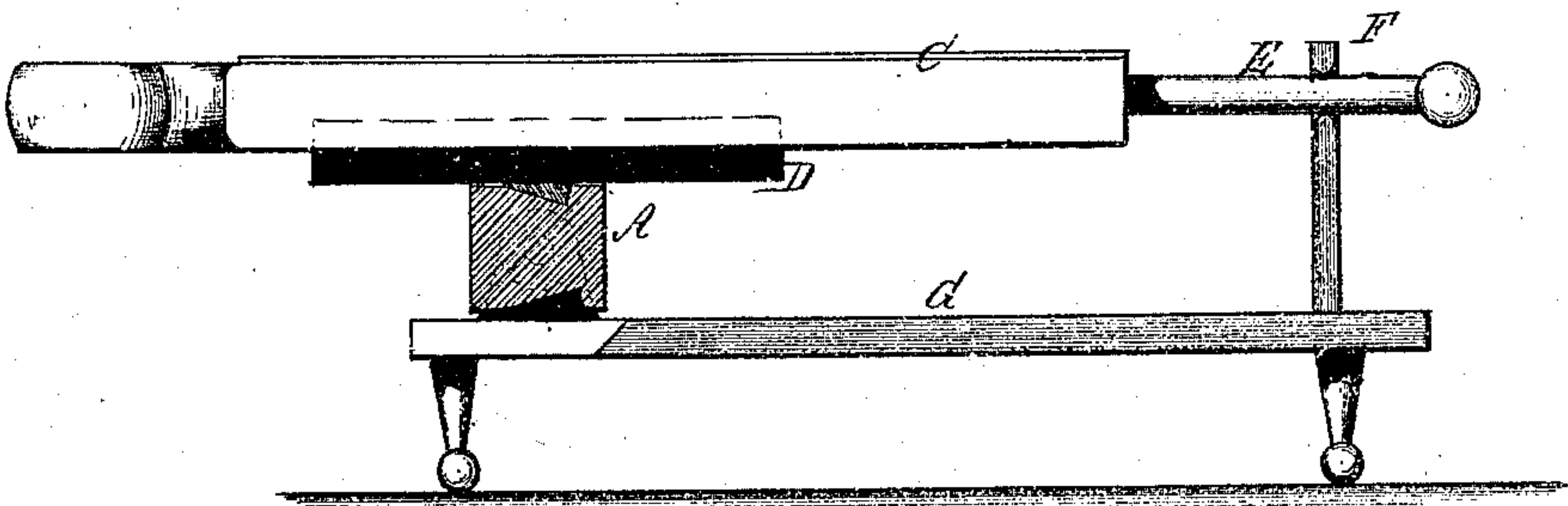


Fig. 2.



Witnesses:

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WILLIAM BROWN, OF THOMASTON, CONNECTICUT.

Letters Patent No. 98,551, dated January 4, 1870.

IMPROVEMENT IN RAZOR-HONING MACHINE.

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, WILLIAM BROWN, of Thomaston, in the county of Litchfield, and State of Connecticut, have invented a new and improved Razor-Honing Machine; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to new and useful improvements in machines for honing razor and other blades.

It consists of a bed for supporting the blades, placed on trunnions, and a hone placed in the under side of a suitable stock, having a slide working through a guide in rear of the bed for supporting the blade, the front end of the stock being taken in the hand and worked back and forth, and also laterally, by a kind of circular motion, whereby the hone is made to rub the side of the razor, which is maintained parallel with it on the oscillating trunnions, all as hereinafter more fully described.

Figure 1 represents a plan view of my machine, and

Figure 2 represents a longitudinal section of the same.

A represents the bed for supporting the blades.

It is mounted on journals, B, at each end, and provided with four or more faces or sides, having grooves suitably shaped to receive the blades, and support the sides to be acted on parallel with the said sides of the bed.

These grooves are arranged in pairs, preferably of different sizes, and reversely, in respect to the deep

and shallow sides, to admit of reversing the blades for honing both sides.

C is the hone-stock.

D, the hone, placed in the lower face thereof, and arranged above the bed.

E is a rod, connected to the rear end of the hone-stock, and arranged in a guide-support to slide back and forth therein, and to vibrate both vertically and laterally.

The bearings of the hone-bed and the guide F may be arranged on a table, G, of any preferred kind.

The razors or other blades being suitably placed in the grooves of the oscillating bed, the front end of the hone-stock is taken in the hand, and reciprocated upon the blade, and also moved laterally each way, so as to work evenly over the whole length.

The bed being borne on journals, will, under the pressure of the hand on the hone, assume the position to cause the hone to bear fair across the face of the blade, both at the edge and the back, and thus insure a true and thin edge.

By varying the grooves in the bed in size, it is adapted for large or small blades.

Having thus described my invention,

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

The combination, with a bed, A, arranged on journals, and adapted for the support of the blades to be sharpened, of a hone, hone-stock, and guide E, arranged substantially as specified.

Witnesses:

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