No. 665,895. Patented Jan. 15, 1901.

F. FOSTER.

KNIFE OR TOOL SHARPENER.

(Application filed Aug. 28, 1900.)

(No Model.)

Fig. 1.

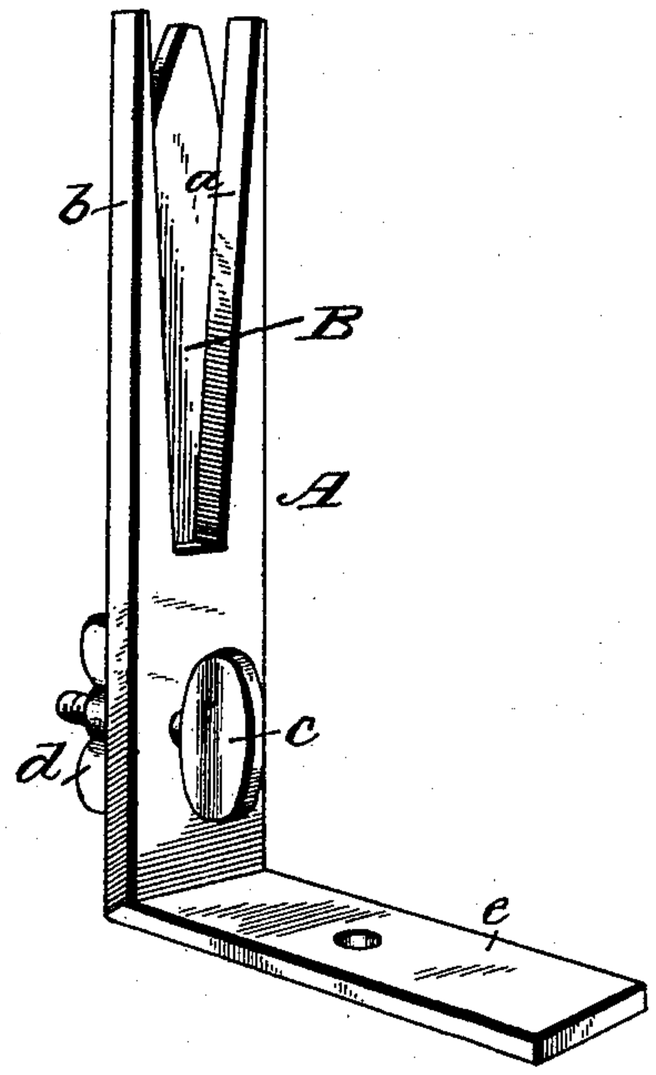


Fig. 2.

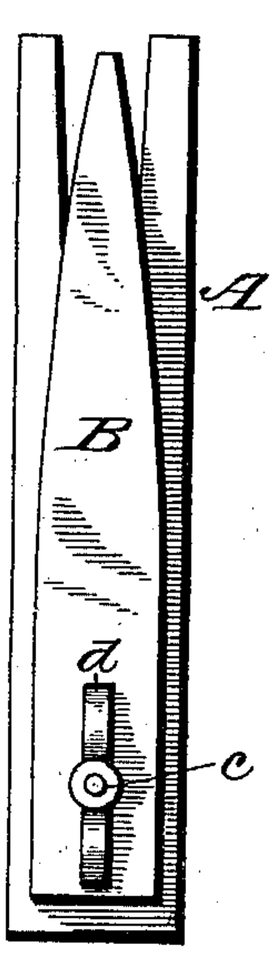


Fig. 4.

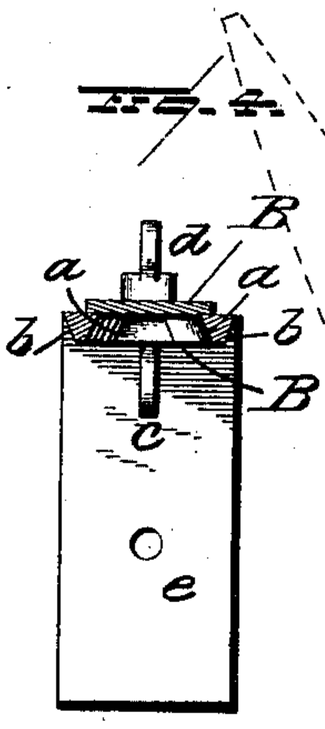
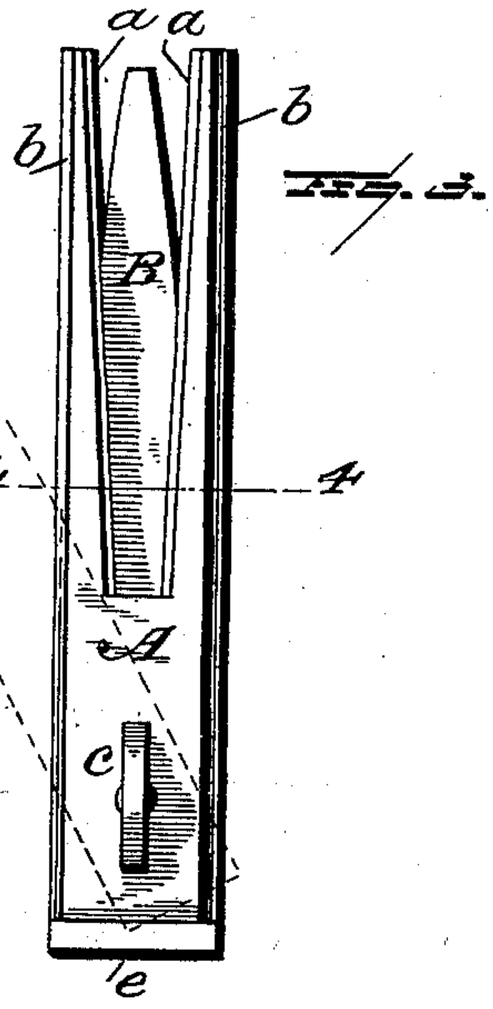


Fig. 3.



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UNITED STATES PATENT OFFICE.

FRANK FOSTER, OF CRIPPLE CREEK, COLORADO.

KNIFE OR TOOL SHARPENER.

SPECIFICATION forming part of Letters Patent No. 665,895, dated January 15, 1901.

Application filed August 28, 1900. Serial No. 28,369. (No model.)

To all whom it may concern:

Be it known that I, FRANK FOSTER, a citizen of the United States, residing at Cripple Creek, in the county of Teller and State of Colorado, have invented certain new and useful Improvements in Knife or Tool Sharpeners; 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 a part of this specification, and the letters of reference marked thereon.

The present invention has for its object to provide a simple and effective device that may be easily adapted for sharpening large knives or edge-tools, such as scythes and hay-knives, as well as the smaller knives and tools, thereby enabling the device to be used in the household, in the field, or carried in the pocket, said device being constructed in any suitable size to adapt it to the various uses to which it may be applied.

The invention consists in a knife or tool sharpener constructed substantially as shown in the drawings and hereinafter described and claimed.

Figure 1 of the drawings is a perspective view of a knife and tool sharperer embodying my invention; Fig. 2, a rear elevation thereof; Fig. 3, a front elevation showing the sharpener-blade in its adjusted position to adapt it for sharpening large edge-tools; Fig. 4, a transverse section taken on line 4 4 of Fig. 3.

In the accompanying drawings, A represents a bifurcated plate of any preferred size and thickness and of any suitable metal, the arms of the bifurcation having beveled rests *a b* upon both their edges to form rests for the blade of the knife or tool when being sharpened. In the present instance I have shown the bifurcated plate A provided with a horizontal extension *e*, having a perforation, by which means the plate may be secured to a table or board or to any other suitable object by a screw or other like fastening. I do not desire, however, to be limited in my invention to any particular means of fastening the plate in position, and when the device is to be carried in the pocket such fastening means may be dispensed with.

A sharpener-blade B of any suitable size and thickness to adapt itself to the plate A, and preferably of case-hardened steel, is adjustably connected to the plate by any means found best adapted to the purpose. In the present instance I have shown a thumb-screw *c* and a thumb-nut *d* to render the sharpener-blade adjustable with relation to the plate A and held in its adjusted position, although any other desirable means may be substituted as found most practicable.

The sharpener-blade B is of a length nearly corresponding with the length of the plate A, and a portion of its length is tapering in a direction toward its upper end, whereby the necessary space is obtained between the edges of the sharpener-blade and the beveled rests *a*, as indicated more clearly in Fig. 3 of the drawings. After the blade B is adjusted to the proper position with relation to the beveled rest the cutting-blade of the knife or tool to be sharpened is drawn along the beveled rest to hold it at the proper angle to be sharpened by the edge coming in contact with the sharpener-blade.

In order to adapt the device to large-bladed tools, as hereinbefore described, the beveled rests *b* are provided, which are upon the outer edges of the arms of the bifurcation of the plate A, and the rests are preferably extended the entire length of the plate to better adapt it for the larger tools, the sharpener-blade B being brought into the position indicated in dotted lines of Fig. 3 of the drawings. In this position the length of space between the edge of the sharpener-blade B and the beveled rest *b* is materially increased, and therefore the rest is adapted to the width of the cutting-blade being sharpened, thereby rendering the device applicable to large and wide cutting-blades as well as small ones. Having the sharpener-blade B nearly as long as the plate A and extending the beveled rests *b* the entire length of the plate, it will be readily seen that the sharpener-blade may be brought over to nearly a right angle to the plate A and still rendered effective as a sharpening device for wide and large bladed tools.

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

A device for sharpening knives, tools and

other articles, consisting of a bifurcated plate having beveled rests upon both the inner and outer edges of the arms of the bifurcations, said plate having means at its lower end for securing the same to a table or other object, and a tapering sharpener-blade, and means for adjustably connecting it to the plate, consisting of a thumb-screw and a thumb-nut, substantially as and for the purpose specified.

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Witnesses:
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