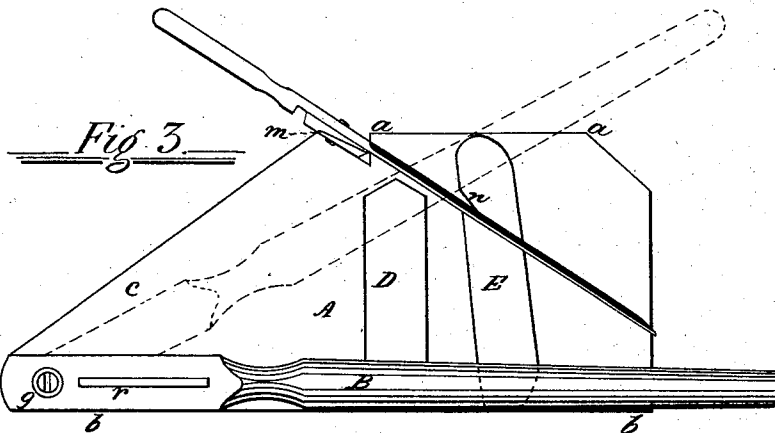
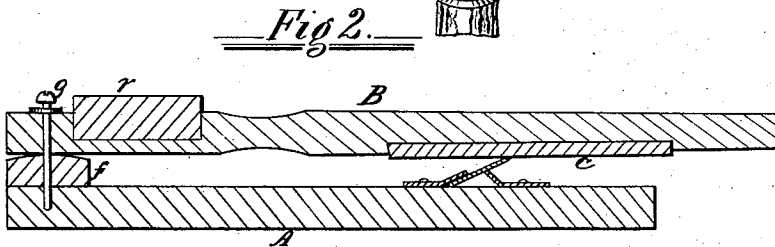
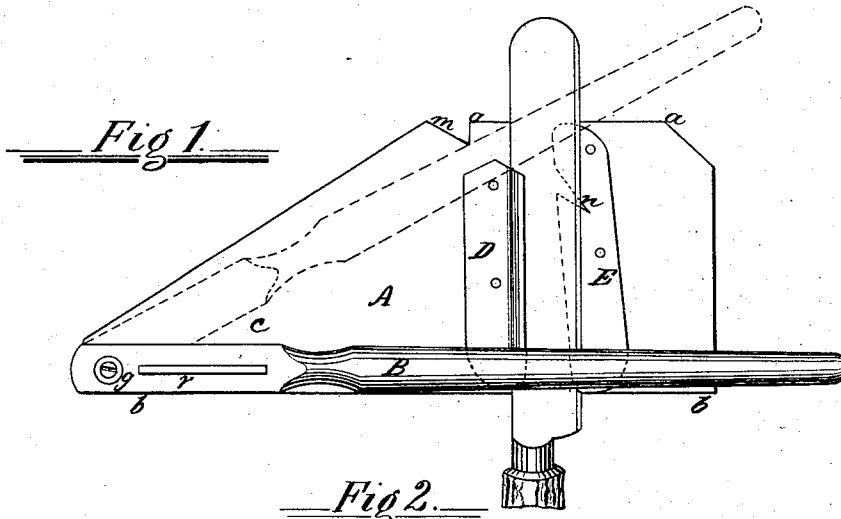


J. H. BEARDSLEY.
Scissors-Sharpeners.

No. 155,407.

Patented Sept. 29, 1874.



Witnesses.

W. M. Edwards

M. R. Whitney

Inventor.

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UNITED STATES PATENT OFFICE.

JAMES H. BEARDSLEY, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN SCISSORS-SHARPENERS.

Specification forming part of Letters Patent No. **155,407**, dated September 29, 1874; application filed December 29, 1873.

To all whom it may concern:

Be it known that I, JAMES H. BEARDSLEY, of Brooklyn, in the county of Kings and State of New York, have invented an Improvement in Scissors-Sharpners, of which the following is a specification:

This invention comprises the combination of a peculiarly-shaped recess, provided in the one of a pair of horizontal holding-plates of a knife and scissors sharpener, with the vibratory file, and the lateral holding notch of the aforesaid implement, whereby the same is rendered much better adapted for sharpening scissors than has hitherto been feasible.

Figures 1 and 3 are plan views of a knife and scissors sharpener constructed according to my invention, and Fig. 2 is a vertical section at the line *x* of Fig. 1.

A is the base of the apparatus constituted by a flat piece of wood, having two parallel edges, *a* *b*, and with one end extended in angular form, as shown at *c*, to provide a bearing for the fulcrum of a laterally-swinging lever, B. Upon the end *c* of the base A is fixed a small pillow-piece, *f*, rounded upon its upper side, as shown in Fig. 2. A vertical pin, *g*, connects the end of the lever to the pillow-piece, and provides the fulcrum of the lever. The end of the lever is sufficiently loose upon the pin *g* to permit a limited upward motion of the lever, sufficient to permit the putting in place of the article to be sharpened, as will hereafter appear, at the same time that the lateral swing of the latter upon a well-defined arc is permitted. Attached upon the under side of the lever B—at, say, one-third of its length from its outer or free end—is a file, *e*, having a surface suitably formed for abrading or grinding away any ordinary metallic substance with which it may be brought in frictional contact. Fixed upon the board, below the path in which the file *e* is moved by the horizontal movement of the lever, are two plates, D E. The inner edges of these plates are raised, as shown in Fig. 2. In the shortest edge *a* of the base A is provided an angular notch, *m*, and in the plate E is a recess, *n*. This recess *n* should have its innermost side or surface nearly or quite coincident with the notch *m*, and the adjacent end of the plate D must be shortened so as not to come between the said recess and notch. The proper position of these parts is indicated with a precision sufficient for all practical purposes in Figs. 2 and 3.

In order to sharpen a knife the blade thereof is thrust, with its back, under the plate D, and the under side resting upon the upper edge of the other plate E, as indicated in Figs. 1 and 2. The lever is then moved to sweep the file across the inclined edge of the knife, which done, once or oftener, the position of the knife may be reversed, its back being placed under the plate E, and its side upon the upper edge of the plate D, whereupon the knife-edge may be sharpened upon the side opposite that first named.

In order to sharpen a pair of scissors, the same are opened so that the two blades are brought nearly or quite at right angles to each other, and the blade to be sharpened is laid obliquely across the plate E, and resting, back downward, in the recess *n* therein. Simultaneous with this the other blade, being brought vertical, has its handle portion pressed into the notch *m*, and resting firmly against the inner surface of the same. This portion of the parts brings the edge of the horizontal blade at such an angle that the file, being swept across the same in the same manner as in sharpening a knife, as hereinbefore explained, will sharpen the same to the requisite edge. This accomplished with one blade of the scissors, the latter are reversed to bring the other blade in like position, whereupon the operation is repeated. When, as may sometimes occur, the edge left by the file upon the knife or scissors, as the case may be, is somewhat rough, it may be finished by drawing it at a suitable angle across or upon a piece of steel, *r*, fixed on the upper side of the lever.

In sharpening the scissors, as explained, the apparatus may be most conveniently manipulated by turning it upon its edge *b*, thereby bringing the base nearly or quite into a vertical plane.

I do not confine myself to any particular shape or configuration of the parts so long as the arrangement and operation are the same as hereinbefore fully described.

What I claim as my invention is—

The base A, provided with the lateral holding notch *m*, and the plate E, having the recess *n*, in combination with the pivoted lever, carrying the file B, substantially as and for the purpose set forth.

Witnesses: J. H. BEARDSLEY.

JAMES A. WHITNEY,

W. M. EDWARDS.