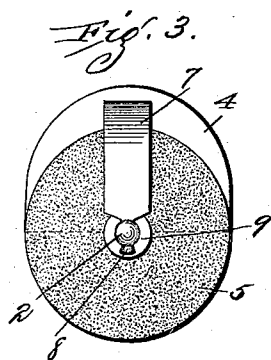
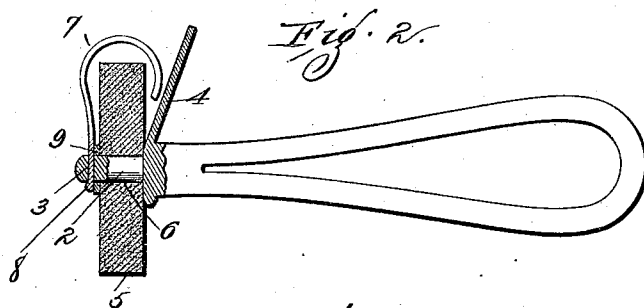
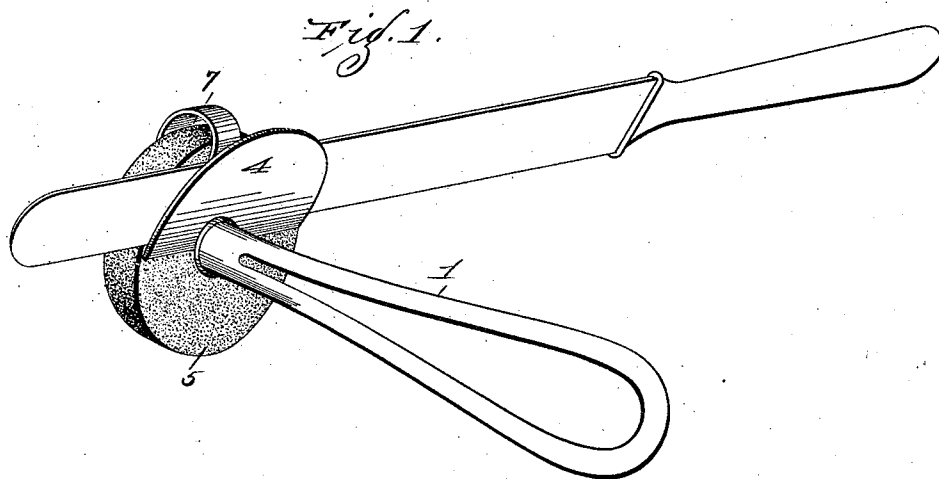


(No Model.)

S. L. COHEN.
KNIFE SHARPENER.

No. 557,051.

Patented Mar. 24, 1896.



Attest
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UNITED STATES PATENT OFFICE.

SOLOMON L. COHEN, OF ST. LOUIS, MISSOURI.

KNIFE-SHARPENER.

SPECIFICATION forming part of Letters Patent No. 557,051, dated March 24, 1896.

Application filed December 27, 1895. Serial No. 573,558. (No model.)

To all whom it may concern:

Be it known that I, SOLOMON L. COHEN, of the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Knife-Sharpener, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to an improved knife-sharpener; and it consists in the novel construction, combination and arrangement of parts hereinafter described and claimed.

In the drawings, Figure 1 is a view in perspective of my improved knife-sharpener. Fig. 2 is a side elevation thereof, a portion of this view being in section to more clearly illustrate the same. Fig. 3 is a front elevation of my improved knife-sharpener.

Referring by numerals to the accompanying drawings, 1 indicates a suitable handle, with the forward end of which is formed integral a stud 2, in the outer end of which stud is formed a vertically-extending aperture 3. Formed integral with the end of the handle 1 or at the point where a shoulder is formed between said handle and the stud 2 is a semicircular plate 4, the same extending upwardly at a slight angle relative to the handle and stud.

5 indicates a body of emery or analogous material, said body having flat sides and being preferably in circular form. Passing through the center of said body of emery is an aperture 6 through which the stud 2 passes, and said body 5 may be rigidly fixed or arranged to rotate upon said stud 2.

7 indicates a leaf-spring, the upper end of which is bent into semicircular form and extends around the upper edge of the body 5, the free end of said spring being in juxtaposition to the inner face of the semicircular plate 4. The lower end of this spring is formed into a pin 8, which passes through the aperture 3 in the end of the stud 2, and by upsetting or riveting the protruding lower end of said pin it is locked in said aperture. It is preferable that a washer, such as 9, be interposed between this pin 8 and the face of the body of emery 5.

In the practical use of my improved knife-sharpener the operator engages the handle 1 in one hand and with the other places the heel of the blade of the knife to be sharpened

downwardly between the free end of the leaf-spring 7 and the guide-plate 4 until the lower edge of said blade contacts with the face of the body of emery 5. Said knife-blade is now drawn across the face of the body of emery, and as said blade is held flat against the guide-plate 4 by proper manipulation by the operator and by the action of the leaf-spring 7 the correct bevel is given to the edge of said knife. When one side of the edge of the knife has been properly sharpened, the other side of said knife may be sharpened by changing the tool from one hand to the other. The angle at which the guide-plate 4 is bent regulates the angle or bevel given to the cutting-edge of the knife, while the resiliency of the spring 7 assists in causing the knife-blade to be held into engagement with said guide-plate 4. It is preferable that the body of emery 5 or analogous material be mounted for rotation upon the stud 2, as when it is so mounted the wear upon the face of said body will be distributed and grooves will not be formed in the face of said body by continual use, as would be the case were the body held rigid upon said stud.

A knife-sharpener so constructed is simple, inexpensive, durable, very easily manipulated and is very efficient in use.

I claim—

1. A knife-sharpener, constructed with a handle, a stud formed integral with the forward end thereof, a body of emery or analogous material located upon said stud, a plate for guiding the knife-blade against the face of the body of emery, and a leaf-spring carried by the stud for guiding the knife-blade onto the plate.

2. A knife-sharpener, comprising a handle, a stud formed integral with the forward end of said handle, a body of emery or analogous material carried by the stud, a semicircular plate formed integral with the handle, said plate being bent at slight angle relative to the face of the body of emery, and a leaf-spring carried by the outer end of the stud, the free end of said spring being located between the face of the plate and the face of the body of emery.

3. A knife-sharpener, comprising the handle 1, a stud 2 formed integral with the forward end of said handle, said stud being pro-

vided with an aperture 3, a semicircular guide-plate 4 formed integral with the forward end of the handle and extending upwardly therefrom at an angle thereto, a body of emery or
5 analogous material 5 arranged upon the stud, a curved leaf-spring 7, the lower end of which is formed into a pin and passes through the aperture 3, the upper end of said spring lying adjacent the face of the guide-plate, and a

washer 9 interposed between said pin and the outer face of the body of emery.

In testimony whereof I affix my signature in presence of two witnesses.

SOLOMON L. COHEN.

Witnesses:

E. E. LONGAN,
JOHN C. HIGDON.