

W. E. SCHWARTZ.
KNIFE SHARPENER.
APPLICATION FILED JAN. 8, 1912.

1,059,491.

Patented Apr. 22, 1913.

FIG. 1.

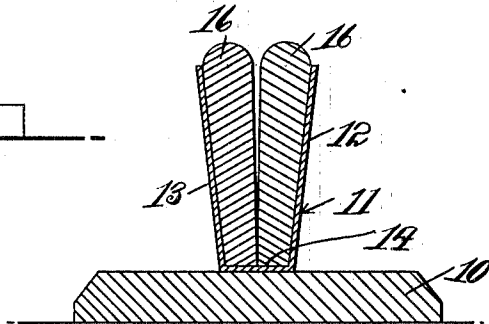


FIG. 2.

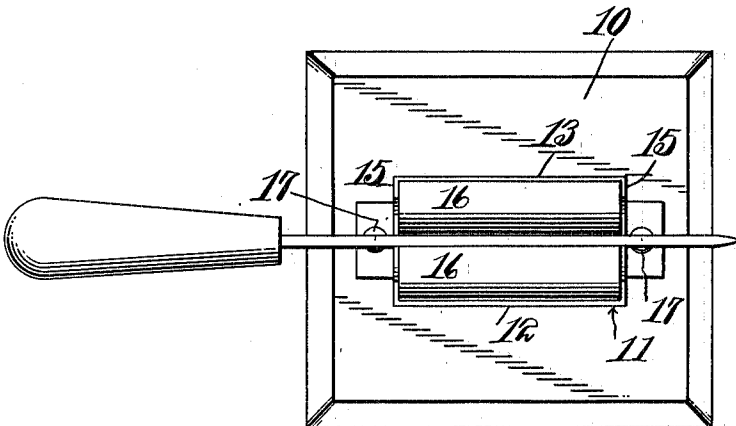
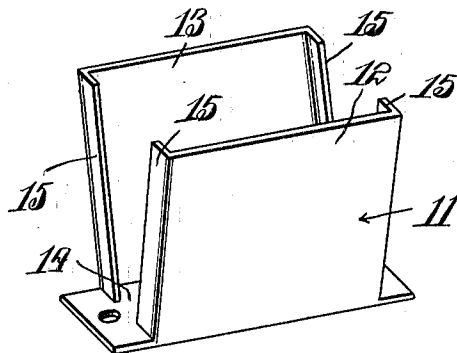


FIG. 3.



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UNITED STATES PATENT OFFICE.

WILLIAM E. SCHWARTZ, OF WEST BURLINGTON, IOWA.

KNIFE-SHARPENER.

1,059,491.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM E. SCHWARTZ, a citizen of the United States, residing at West Burlington, in the county of Des Moines, State of Iowa, have invented certain new and useful Improvements in Knife-Sharpeners; 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 appertains to make and use the same.

This invention relates to knife sharpeners, and has for an object to provide a one-piece holder for opposing sharpening elements, the holder being formed of spring material and consisting of two sides and a bottom connecting the sides, the bottom forming a support for both sharpening elements so that the sides are relieved of tension except when a knife blade is interposed between opposing sharpening elements for sharpening.

With the above object in view the invention consists of certain novel details of construction and combination of parts herein after fully described and claimed, it being understood that various modifications may be made in the minor details of construction within the scope of the appended claim.

In the accompanying drawing forming part of this specification:—Figure 1 is a cross sectional view through the device. Fig. 2 is a plan view of the device with a knife applied thereto in position for sharpening. Fig. 3 is a detail perspective view of the holder.

Referring now to the drawing in which like characters of reference designate similar parts, 10 designates a base which may be formed of any desired material. Mounted upon the base is a holder designated in general by the numeral 11, this holder being formed from a single sheet of spring metal, and comprising two sides 12 and 13 which are connected by a bottom 14, the sides in-

clining outwardly from the bottom. The end edges of both sides are bent inwardly and form clamping lips 15 between which a carborundum or similar sharpening element 16 is confined. Securing screws 17 are passed through the outer ends of the bottom and into the base.

It will be noted and it is deemed of importance that the bottom of the holder forms a support for both sharpening elements, the latter gravitating freely into contact with the bottom upon insertion between the lips of the sides. In this manner the sides are relieved of all tension except when a knife blade is interposed between the opposing sharpening elements, whereupon the sides yield outwardly to permit of the reception of the knife blade between the sharpening elements.

A holder of the class described may be simply and inexpensively formed, and furthermore by virtue of the parts being relieved of all strain when the device is not in use, the long life and utility of the article is greatly promoted.

What is claimed, is:—

A tool sharpener including a holder formed from a single oblong blank of spring sheet metal and including a flat bottom, spaced straight upright sides diverging from said bottom, the end edges of said sides being bent inwardly at substantially right-angles to the sides and forming retaining flanges, the ends of said bottom extending beyond said flanges and being provided with attaching means, and divergent sharpening plates bearing upon said bottom and held in position by said flanges.

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

WILLIAM E. SCHWARTZ.

Witnesses:

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