July 15, 1924. 1,501,749

C. CHIZEWER

KNIFE SHARPENER

Filed Dec. 27, 1922

Fig. 1

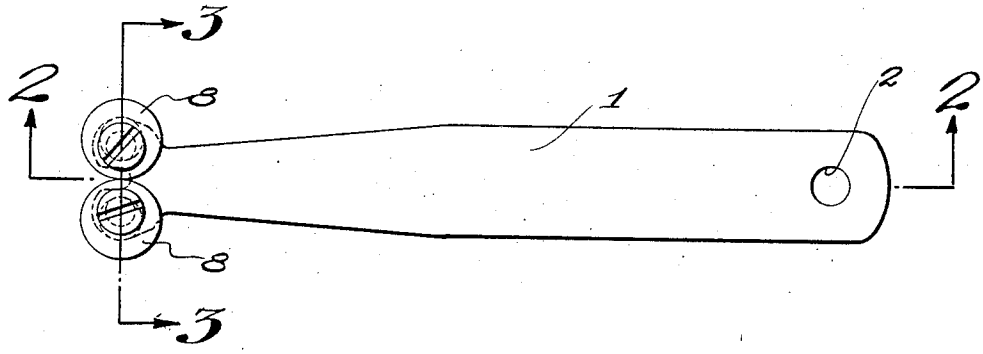


Fig. 2

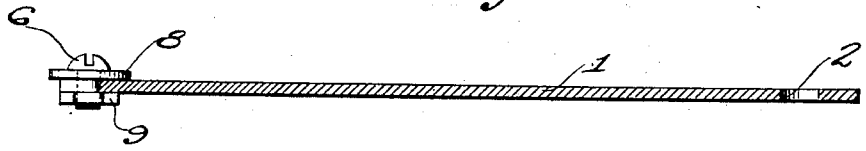


Fig. 3

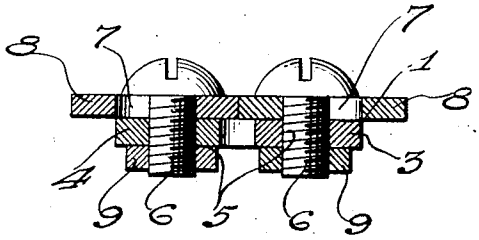
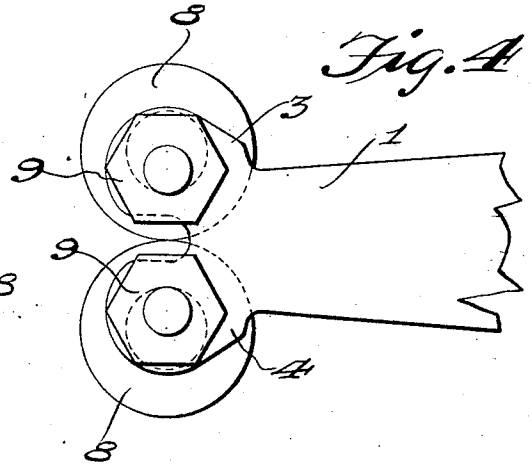


Fig. 4



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UNITED STATES PATENT OFFICE.

CHARLES CHIZEWER, OF CHICAGO, ILLINOIS.

KNIFE SHARPENER.

Application filed December 27, 1922. Serial No. 609,254.

To all whom it may concern:

Be it known that I, CHARLES CHIZEWER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Knife Sharpeners, of which the following is a specification.

This invention relates to knife sharpeners, and an object of the invention is to provide a simple, durable knife sharpener structure by means of which a knife can be properly sharpened by a novice or person unskilled in the art.

More specifically, the invention comprehends the provision of a knife sharpener which is designed so that its various parts can be constructed by means of punch presses, thereby providing a simple, inexpensive sharpener.

Other objects of the invention will appear in the following detailed description taken in connection with the accompanying drawings wherein:—

Fig. 1 is a plan view of the improved knife sharpener.

Fig. 2 is a longitudinal section through the knife sharpener taken on the line 2—2 of Fig. 1.

Fig. 3 is a cross section taken on the line 3—3 of Fig. 1.

Fig. 4 is an enlarged plan of the head end of the sharpener.

Referring more particularly to the drawings, the improved knife sharpener comprises a handle 1 which is constructed of a flat piece of sheet or bar metal and is provided with an opening 2 by means of which the sharpener may be suspended or hung up. The end of the handle remote from the opening 2 is forked to provide a pair of spaced arms 3 and 4 which are drilled to provide bolt or rivet receiving openings 5. Bolts 6 extend through the openings 5 and through relatively large openings 7 formed centrally in a pair of sharpening discs 8. The sharpening discs 8 are securely held in place against the arms 3 and 4 by means of the bolts and the nuts 9 which are threaded upon the bolts and they are positioned so that their perimeters engage at a line bisecting the handle 1 longitudinally, as shown in Figs. 1 and 4 of the drawings, providing a space between their perimeters outwardly of the handle which converges and into which a knife is placed with the edge engaging the perimeters of the discs after which the knife is drawn back and forth with its edge engaging the perimeters of the discs to sharpen the knife. The discs 8 are made of tooled or hardened steel so as to have the proper sharpening action upon the knife.

It is, of course, to be understood that the invention may be constructed in other manners and the parts associated in different relations and, therefore, I do not desire to be limited in any manner except as set forth in the claim hereunto appended.

Having thus described my invention what I claim is:—

A knife sharpener including a handle consisting of a flat piece of sheet metal of the same thickness throughout its length, having one end forked to form divergent spaced arms, the outer ends of said arms having transverse openings therethrough, hardened steel discs positioned against one face of said arms and having their peripheries in normal contacting position with respect to each other, said discs having central openings therethrough, the openings in said discs being of greater diameter than the openings in the arms, bolts extending in a straight transverse line through said openings whereby to mount the discs for adjustment with respect to the arms, and nuts threaded on one end of the bolts in clamping engagement with the arms to retain the discs in adjusted positions.

In testimony whereof I affix my signature.

CHARLES CHIZEWER.