Sept. 2, 1924. 1,507,286

D. W. HOLDZKOM

SCISSORS SHARPENER

Filed June 8, 1922

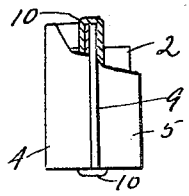


Fig. 1.

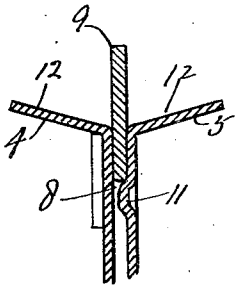


Fig. 4

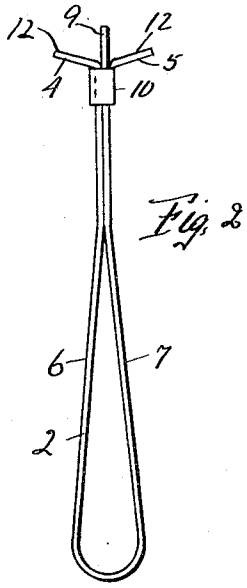


Fig. 2

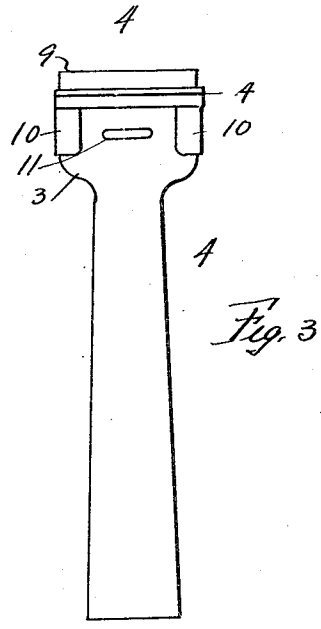


Fig. 3

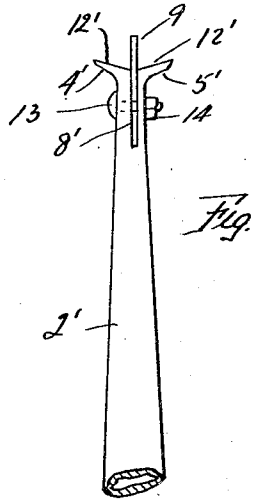


Fig. 5

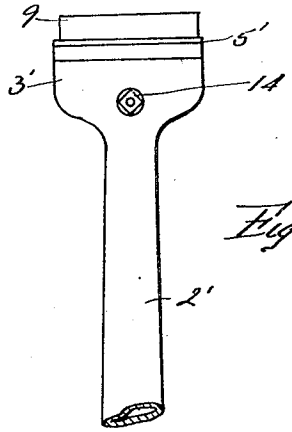


Fig. 6

INVENTOR

David W. Holdzkom

By W. W. Williamson Atty.

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UNITED STATES PATENT OFFICE.

DAVID W. HOLDZKOM, OF LONGPORT, NEW JERSEY.

SCISSORS SHARPENER.

Application filed June 3, 1922. Serial No. 566,873.

To all whom it may concern:

Be it known that I, DAVID W. HOLDZKOM, a citizen of the United States, residing at Longport, in the county of Atlantic and State of New Jersey, have invented new and useful Improvements in Scissors Sharpeners, of which the following is a specification.

My invention relates to new and useful improvements in a scissors sharpener, the same being an improvement over my application serially numbered 538,437, dated February 23rd, 1922, and has for its object to provide a device of this character that may be construucted from cast or stamped metal so that it may be manufactured at a very reasonable cost.

Another object of my invention is to provide two oppositely disposed bearing surfaces whereby a scissors blade may be brought into contact with either of two sides of a file or sharpening member thus permitting the use of a file having two degrees of cutting surfaces the coarse surface being used to eliminate the rough spots after which the sharpening portions may be finished by the use of the finer surface.

A further object of the invention is to provide a scissors sharpener including a body constructed from a single piece of metal so shaped and bent as to provide a hand hold, a head in which the sharpening member is placed and oppositely projecting angular bearing surfaces for contact with a scissors blade.

A still further object of the invention is to provide a device of this character formed of cast metal the hand hold portion of which is preferably of hollow formation.

With these ends in view, this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains, may understand how to make and use the same, I will describe its construction in detail, referring by numerals to the accompanying drawing forming a part of this application, in which:—

Fig. 1, is an end view of a scissors sharpener embodying my invention, a portion of which is broken away to illustrate the construction.

Fig. 2, is an edge view thereof.

Fig. 3, is a side elevation thereof.

Fig. 4, is an enlarged sectional view at the line 4—4 of Fig. 3.

Fig. 5, is a fragmentary side elevation of a slightly different formation.

Fig. 6, is a similar view at right angles to Fig. 5.

In carrying out my invention as embodied in Figs. 1 to 4 inclusive, 2 represents a handle 3 the head and 4 and 5 oppositely projecting wings. These parts are formed from a single piece of sheet metal properly shaped and looped at the center with the two strands or sheets 6 and 7 converging toward their upper ends with the portions forming the head spaced apart and lying parallel to each other, as plainly shown in Fig. 4, to form a slot 8 for the reception of a sharpening member 9 in the form of a file, the portions so forming the head being held together by ears 10 formed at the end of one head portion and adapted to be bent around the end of the other head portion. Both ears may be formed on the same head portion or one on each of said head portions as will be obvious. In one of the head portions is produced an inwardly projecting rib 11 which forms a stop for the file 9 to limit its inward movement it being understood that said file is prevented from endwise or longitudinal movement by the ears 10.

From the upper part of each head portion extends an outwardly projecting integral wing 4 and 5 forming flat bearing surfaces 12 either of which may be caused to bear against one face of a scissors blade when the sharpener is not in use said surfaces being at an angle to the longitudinal or vertical axis of the sharpener the scissors blade will be retained at a proper angle to the sharpening member to insure the cutting of the edge of the blade at the proper angle.

From the foregoing description it will be seen that I have provided a scissors sharpener of such construction that the sharpening member or file holder may be formed from a single piece of metal at very small cost and although compact and light in weight it will be strong and durable.

In Figs. 5 and 6, I have shown the holder as cast from suitable metal and comprising the handle 2′ preferably of hollow formation provided at its upper end with a head 3′ from the upper end of which extend the oppositely projecting wings 4′ and 5′ with a slot 8′ in the head between the wings to receive the sharpening member of file 9, said

wings providing the flat bearing surfaces 12′ against which the inner wide flat surface of a blade rests during the sharpening operation. The two portions of the head produced by the slot 8′ may be drawn toward each other to frictionally engage the file for holding the same in place by means of a bolt 13 passing through the head and having a nut 14 threaded thereon.

In the use of my invention the scissors are preferably held in a fixed or stationary position while the sharpener is drawn back and forth along the blades and the construction is such that an excellent contact of the bearing surface against the wide flat inside surface of the scissors blade is assured which will insure a uniform tension of the proper angle of the cutting surface of the file with the cutting edge of the blades.

By providing two of such bearing surfaces one on each side of the file, a file having two different cutting surfaces may be used and either or both of these cutting surfaces may be utilized in sharpening a blade according to the condition of such a blade.

Of course I do not wish to be limited to the exact details of construction as herein shown as these may be varied within the limits of the appended claims without departing from the spirit of my invention.

Having thus fully described my invention, what I claim as new and useful is:—

1. A scissors sharpener formed from a single piece of metal properly shaped and bent to produce converging handle portions, parallel spaced head portions, an ear formed with the side edges of one head portion and adapted to be bent around the edge of the other head portion, and outwardly projecting wings providing bearing surfaces, an inwardly projecting rib produced in one of the head portions, and a sharpening member located between the head portions and resting upon said rib and being held against endwise movement by the ears.

2. A scissors sharpener formed from a single piece of metal and comprising a handle, parallel spaced head portions, means projecting across the space between the head portions and a sharpening member positioned in said space resting on said means, as and for the purpose stated.

In testimony whereof, I have hereunto affixed my signature.

DAVID W. HOLDZKOM.