H. O. HASTINGS.

RAZOR BLADE HOLDER AND STROPPING DEVICE.

APPLICATION FILED DEC. 9, 1920.

1,428,164. Patented Sept. 5, 1922.

Fig. 1.

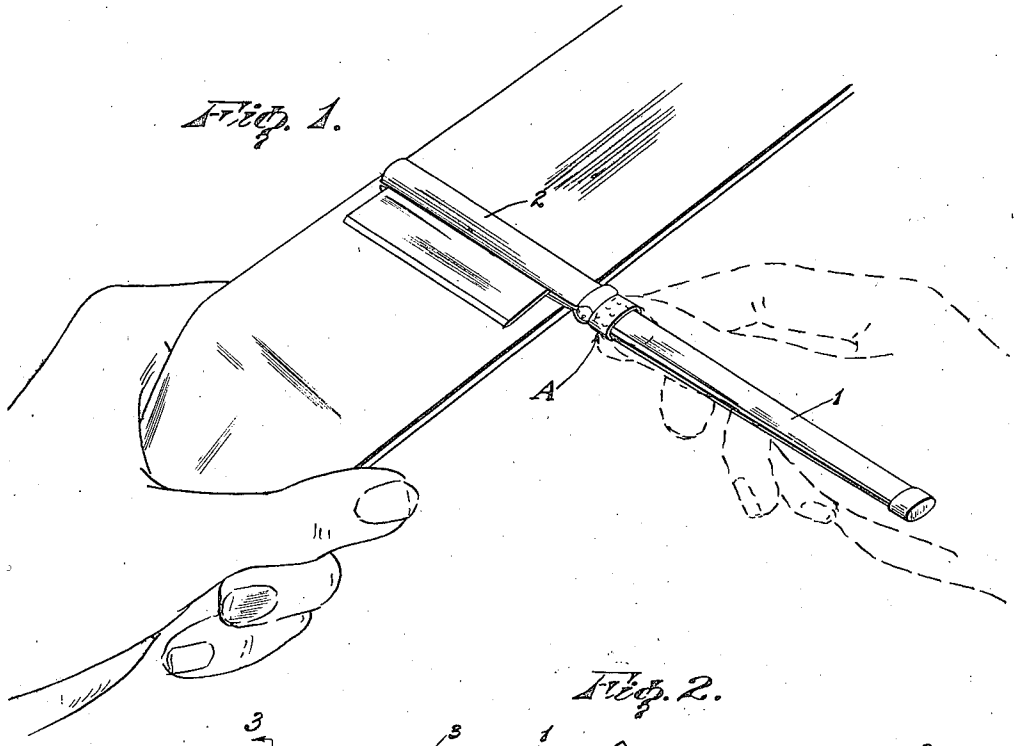


Fig. 2.

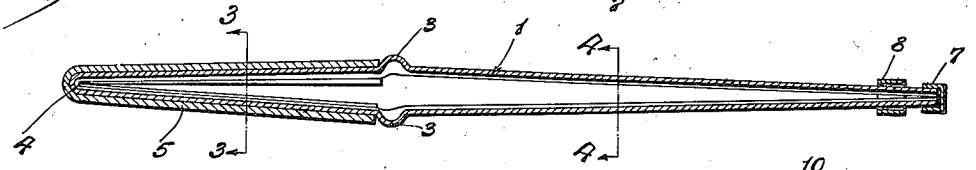


Fig. 4



Fig. 6.

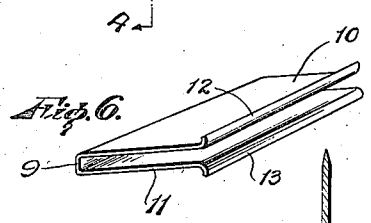


Fig. 3

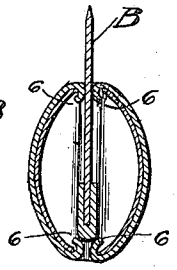


Fig. 5

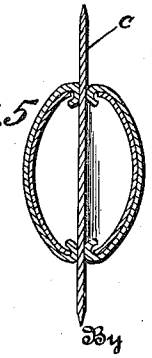
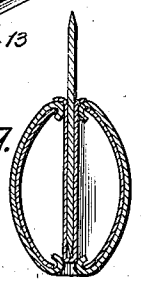


Fig. 7.



Inventor

H. O. Hastings.

By

Lacey & Lacey, Attorneys

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UNITED STATES PATENT OFFICE.

HARRY O. HASTINGS, OF SAN FRANCISCO, CALIFORNIA.

RAZOR-BLADE HOLDER AND STROPPING DEVICE.

Application filed December 9, 1920. Serial No. 429,430.

To all whom it may concern:

Be it known that I, HARRY O. HASTINGS, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Razor-Blade Holders and Stropping Devices, of which the following is a specification.

This invention relates to a holder for safety razor blades for use during the process of sharpening the same.

I am aware, of course, that holders for said purpose have previously been provided but, in the present invention, the holder is so constructed as to be capable of retaining either single or double edged blades without slipping.

And furthermore, the holder is provided with a cover of such a nature that, during the process of stropping the blade, a relatively small portion of such cover is evenly deposited over the surface of the strop and acts as an abrasive whereby a very fine edge is imparted to the blade.

This invention also provides an especially light but strong holder which is particularly inexpensive to manufacture in view of the fact that it consists of but a single strip of material, convex in cross section, and bent double so that the doubled end provides the jaws between which a blade may be held and the free ends cooperate to form a round handle over which a locking device slides for firmly clamping the blades in fixed position between the jaws.

In the drawings, wherein there is shown a specific embodiment of the invention on a somewhat enlarged scale for clearly showing details:

Figure 1 is a perspective view of the invention in use;

Figure 2 is a longitudinal section in a vertical plane;

Figure 3 is a sectional view on the line 3—3 of Figure 2;

Figure 4 is a sectional view on the line 4—4 of Figure 2;

Figure 5 is a view similar to Figure 3 but showing the holder with a double edged blade clamped therein;

Figure 6 is a perspective view of a holding clip for a double edged blade;

Figure 7 is a view similar to Figures 3 and 5 but showing the holding clip of Figure 6 in use.

In detail:

The invention comprises a holder A having the handle portion 1 and the jaw portion 2 which latter, as will be hereinafter set forth, is adapted to grip and hold safety razor blades of the type indicated by B and C in Figures 3 and 5 of the drawings.

The holder is formed of metal throughout and the body portion thereof which is shaped to provide the handle portion 1 of cylindrical cross section and jaws 2 consists of a length of metal, such as pressed steel or the like having a natural spring, is convex in cross section and is beaded as shown at 3 so that the said beads lie opposite each other when the length of metal is doubled, as at 4.

However, previous to doubling the metal body there is applied thereto, between the beads 3, a piece of sheet lead as indicated at 5 and the edges 6 of which are curled over the edges of the convex metal body. The metal body is then doubled, as previously mentioned, to bring the beads 3 opposite to each other where they serve to define the leaded jaw portion 2 from the handle portion 1 and also act as a stop for a clamping member to be later mentioned. The two sides thus formed are slightly sprung apart at the beads 3, as clearly shown in Figure 2, and the free ends are fastened together by a ferrule 7, after a slidable clamping ring 8 has been slipped onto the handle portion 1.

In using the holder, the blade B of the single edge variety is slipped in place between the jaws, as shown in Figures 1 and 3, and the clamping ring 8 is pushed down on the handle portion 1 until the jaws are contracted and firmly clamp the blade; then the blade is stropped in the usual manner, such action serving to rub off on the strop a fine deposit of lead which forms a lubricating and abrasive glaze on the strop which imparts an especially keen edge to the blade.

Similarly, the double edged blade C is clamped between the jaws but in this case the back edge of the blade may rest against the inside edges of the jaws opposite to those actually clamping the blade.

It is of course obvious that various grades of lead may be employed for the jaws depending upon the lubricating and abrasive

properties, but in any event the holders comprise a stiff metal body portion forming a foundation for the flexible lead facing of the jaws.

In order to provide for sharpening one edge at a time of a double blade, a clip such as is shown in Figure 6 may be used. This clip is made of light spring metal and comprises the base portion 9 and jaws 10 and 11 having the curled edges 12 and 13 respectively. In using the clip, the double edged blade is inserted in the position shown in Figure 7 in the clip which is then inserted in the holder with the curled edges 12 and 13 resting against the holder.

Each edge of the double edged blade may be then stropped in the usual manner incident to the single edge blade.

I claim:

1. In a razor blade holder and stropping device, a pair of spring jaws for receiving and clamping the blade, and an abrasive carried by said jaws for deposit on the razor strop.

2. In a razor blade holder and stropping device, a pair of spring jaws faced with lead for clamping the blade frictionally therebetween, means for contracting the said jaws into clamping position, and a handle.

3. In a razor blade holder and stropping device, a metal bar doubled to provide jaws and a handle, a lead facing for said jaws, and means for contracting said jaws to clamp a blade therebetween.

4. In a razor blade holder and stropping device, a metal bar doubled longitudinally and sprung apart intermediate its ends to provide jaws and a handle, a lead facing for said jaws, and means carried by said handle for contracting the jaws.

In testimony whereof I affix my signature.

HARRY O. HASTINGS. [L. S.]