Feb. 20, 1923. 1,445,737.

P. W. WISWELL.

RAZOR BLADE HOLDER.

FILED JULY 9, 1921.

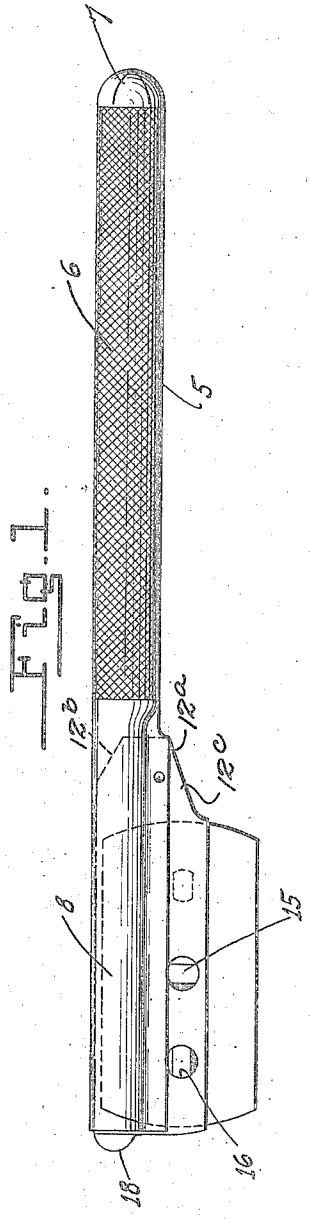


Fig. 1.

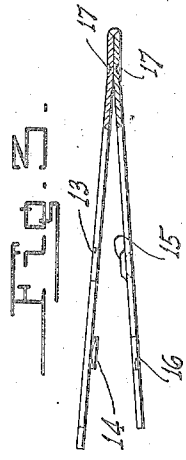


Fig. 3.

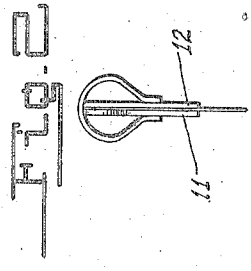


Fig. 2

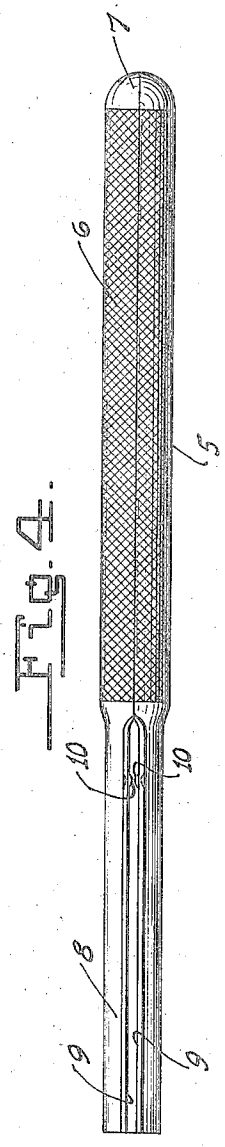


Fig. 4.

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UNITED STATES PATENT OFFICE.

PERCY W. WISWELL, OF WESTWOOD, MASSACHUSETTS.

RAZOR-BLADE HOLDER.

Application filed July 9, 1921. Serial No. 483,538.

To all whom it may concern:

Be it known that I, PERCY W. WISWELL, a citizen of the United States, residing at Westwood, in the county of Norfolk and State of Massachusetts, have invented certain new and useful Improvements in Razor-Blade Holders, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to holders and particularly to razor blade holders.

It is an object of the invention to provide a device of this character capable of holding the blade rigidly while the same is being stropped or honed.

It is another object to provide a device of this character comprising two parts, each part being formed from a single piece of material.

It is another object to provide a device of this character wherein the handle portion of the device has one end formed into a clamp adapted to receive a pair of jaw members between which a razor blade is disposed.

Another object of the invention is to provide a holder of this character including a pair of jaw members formed from a single piece of material, said jaw members being pivoted within one end portion of the handle for movement inwardly and outwardly of said end portion, said jaw members being normally urged away from each other to permit rotation of the blade between the jaw members to position each edge of the blade for sharpening without removing the blade from the holder.

With these and other objects in view the invention consists in the improved construction and arrangement of parts to be hereinafter more particularly described, fully claimed and illustrated in the accompanying drawings, in which:—

Figure 1 is a side elevation of a razor blade holder constructed in accordance with an embodiment of the invention, and showing the razor blade in position.

Figure 2 is an end elevation,

Figure 3 is a top plan and sectional view of the blade holding means, and

Figure 4 is a plan view of the holder with the holding means removed.

Referring to the drawings, 5 designates a handle member formed from a sheet of material, portions of its longitudinal edges being extended toward and into engagement with each other to form a handle portion 6, the end of the handle portion being slit at several points so as to provide a rounded end 7 by extending the portions between the slits inwardly toward each other. The handle portion 6 is knurled so as to permit the operator to obtain a firm hold.

The end portion 8 of the sheet has its longitudinal edges 9 curved back toward each other and then outwardly in spaced parallel relation to each other to provide a clamp, the inner end portions of the edges 9, that is where the clamp portion joins with the handle portion 6, being extended toward each other, while struck from each of the edges 9 adjacent the handle portion 6 is a trunnion 10, the purpose of which will be hereinafter described. The sheet of material from which the handle member is formed is resilient, so that the clamp is capable of firmly engaging any means disposed between the parallel portion of the edges 9, the curved or circular portion of the clamp causing the edges 9 to bind on the means.

In connection with the clamp of the device, novel holding means is employed, said means consisting of a length of resilient material the central portion of its longitudinal edges being cut V-shaped as at 12^a and 12^b. The length of material is then folded at the center of the V-shaped cuts to provide jaws 11 and 12 and an inwardly canted end portion 12^c at the bight portion of the jaws. In this way the holding member may be swung outwardly and disposed at right angles to the clamping jaws. The holding member is thereby positioned in a manner to permit the ready insertion of the blade from either side of the holder without danger of the blade coming in contact with either the handle member or the clamping jaws, and without danger of the holding member accidentally moving toward the handle. An opening 13 is provided adjacent the end of the jaw 12, while a lug 14 is struck from the blade in spaced relation to the opening 13. The jaw 11 has a lug 15 struck therefrom adjacent the end of the jaw, while an opening 16 is provided adjacent the lug 15. The lug 15 is adapted to be disposed in the opening 13, while the lug 14 is adapted to be disposed in the opening 16. A relatively small recess 17 is provided in each of the jaws adjacent the intermediate portion of the strip, said recesses

being adapted to register. After the formation of the above mentioned lugs and openings, the strip is bent at its intermediate portion so as to bring the jaws in spaced parallel relation to each other and permit the lug of each jaw to extend through the opening of the opposite jaw. The jaw members are then disposed within the clamp so as to permit the trunnions 10 to extend into the recesses 17. The jaw 11 is also provided with an extension 18 which projects beyond the end of the clamp. The purpose of this is to permit the jaws to be swung inwardly or outwardly of the clamp in order to apply the razor blades. This holder is capable of efficiently holding any razor blade having a longitudinal slot or a plurality of openings in its intermediate portion.

In the use of the device, the jaw members are swung outwardly of the clamp so as to permit the same to move laterally away from each other. The razor blade is then inserted between the jaws, the lugs of the jaws extending through the adjacent openings of the blade. The jaw members are then moved toward each other and swung inwardly of the clamp, the resiliency of the clamp causing the jaws to bind on the blade to prevent movement of the blade in any direction relative to the holder. The blade is then ready for stropping or honing, and in view of the novel way it is clamped within the holder, there is no danger of the blade slipping or becoming accidentally disengaged. When one edge of the blade has been treated, the jaw members may be swung outwardly of the clamp so as to permit the blade to be rotated on the innermost lug 14 and bring the opposite edge of the blade into position for treatment. The jaw members are then swung inwardly of the clamp and the last mentioned edge of the blade is then ready for stropping or honing.

From the foregoing it will be readily seen that this invention provides a novel form of razor blade holder which does not use rivets, screws, or like separate fastening means, but wherein all parts of the device are formed from two pieces of resilient material. In addition to this, the jaw members are not the only means provided for holding the blade, the clamp formed on the handle portion also assisting to bind the jaws on the blade. This also serves to reinforce the jaw members so that movement of the jaw members with respect to the holder is prevented.

What is claimed is:—

A razor blade holder comprising an elongated sheet of material curved laterally, the side edges of the sheet at the central and one end portion of the curved sheet being disposed in engagement with each other to provide a handle, the side edges at the opposite end portion of the sheet being extended outwardly in spaced relation to each other and in angular relation to the curved portion of the sheet to provide clamping jaws, a holding member consisting of a strip of resilient material bent at its central portion to provide a pair of arms, said holding member being pivoted at its bight portion to one end portion of and between the clamping jaws, that portion of the outer longitudinal edges of the arms adjacent the bight portion of the holding member being canted inwardly toward the pivot of the holding member to permit movement of the holding member to a position at right angles to the handle, one of said arms having an elongated lug disposed laterally at the central portion of said arm and adapted to enter a relatively large opening provided in the opposite arm, said opposite arm having an elongated lug extending longitudinally of the arm adjacent the outer end portion of the arm and adapted to enter a relatively large opening provided in the first mentioned arm, said arms being normally sprung away from each other to permit movement of the central lug a slight distance from its opening, and movement of the end lug a considerable distance from its opening, upon movement of the holding member outwardly of the clamping jaws.

In testimony whereof I hereunto affix my signature.

PERCY W. WISWELL.