A. F. BARRO.

RAZOR BLADE HOLDER.

APPLICATION FILED DEC. 14, 1918.

1,351,987. Patented Sept. 7, 1920.

Fig. 1,

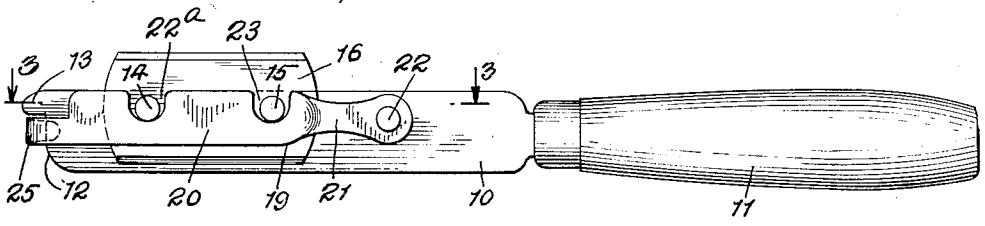


Fig. 2,

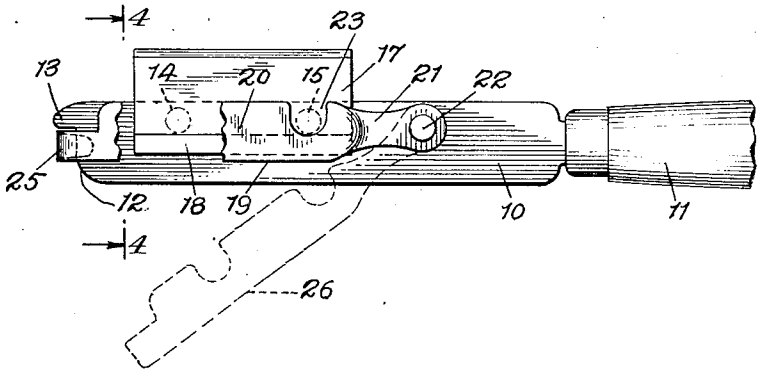


Fig. 3,

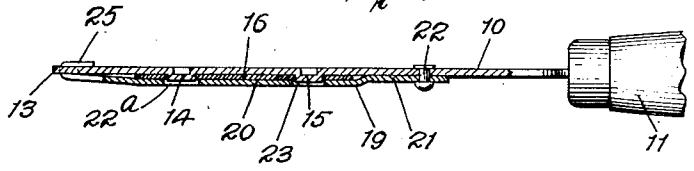
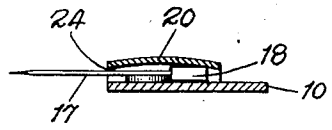


Fig. 4,



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UNITED STATES PATENT OFFICE.

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RAZOR-BLADE HOLDER.

1,351,987. Specification of Letters Patent. Patented Sept. 7, 1920.

Application filed December 14, 1918. Serial No. 266,715.

To all whom it may concern:

Be it known that I, ANTHONY F. BARRO, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented a certain new and useful Improvement in Razor-Blade Holders, of which the following is a full, clear, and exact specification.

This invention relates to a holder for razor blades of a simplified construction to the form of holder disclosed in my pending application Sr. No. 199,753, filed November 1, 1917, and has for its object primarily to provide a device adapted to be utilized for facilitating the work of sharpening safety razor blades. The invention contemplates mainly the provision of a clamping element which is associated with a flat surface member having protruding spaced alined lugs so that the element may be guided to coöperate with the lugs for releasably holding one form of safety razor blade, and the clamping element has a recess in opposition to the surface member whereby another form of safety razor blade may be releasably held; thus, allowing razor blades of different types to be sharpened by the use of the device as occasion may require.

Another object of the invention is to provide a clip whereby the clamping element and the surface member may be releasably locked together when carrying the razor blades; and a further object of the invention is to provide an efficient and durable razor blade holder which may be made in any desired shape and size.

With these and other objects in view, the invention will be hereinafter more fully described with reference to the accompanying drawing forming a part of this specification in which similar characters of reference indicate corresponding parts in all the views, and will then be pointed out in the claim at the end of the description.

In the drawing, Figure 1 is a top plan of one form of razor blade holder embodying my invention with a safety razor blade mounted therein.

Fig. 2 is a fragmentary view, partly broken away, showing the device with a different form of safety razor blade applied thereto.

Fig. 3 is a fragmentary view, partly in detail and partly sectional, taken on the line 3—3 of Fig. 1, and

Fig. 4 is a detail sectional view taken on the line 4—4 of Fig. 2.

The device or holder has a flat surface member 10 which is preferably in the form of an elongated substantially rectangular plate, and on one end of the surface member may be provided a handle, as 11, to allow the device to be conveniently held and manipulated by a person for sharpening safety razor blades, as will be hereinafter more fully explained. The second or free end of the surface member 10 may be partially rounded to provide a shoulder, as 12, and protruding from a part of this end of the surface member which is opposite to or in proximity to the shoulder may be provided a projecting lug, or stop 13. Extending upwardly from the central part of the surface member 10, at the edge of the member which is adjacent to the stop 13, may be a suitable number of spaced lugs, or knobs or teats, as 14 and 15, to allow a well known make of apertured safety razor blade, as 16, to be removably mounted thereon so that a portion of the blade will be supported on the surface member, while the other part of the blade having a cutting edge will extend some distance from one of the lengthwise edges of the surface member. The lugs 14 and 15 are inserted through the apertures of the razor blade 16, and these lugs are of lengths to allow another well known type of safety razor blade, as 17, having a rib, as 18, on one of its lengthwise edges to be arranged on the surface member so that the rib will rest on this member while the blade proper rests on the lugs, as shown in Figs. 2 and 4, as well as being disposed so that the cutting edge of the blade protrudes some distance beyond one of the lengthwise edges of the surface member.

In order to removably hold either of the razor blades on the surface member 10, a clamping element, as 19, is provided. The clamping element 19 has a striplike body part, as 20, and projecting from one end of this body part is a shank or arm 21 having its free end pivoted, at 22, to the surface member between the lug 15 and the handle 11 of the surface member. The body part 20 with the arm 21 are thereby adapted to be swung upon the surface member 10 crosswise with respect to the elongated surface member as well as being adapted to be swung toward and from the lugs 14 and 15.

The body part 20 with the arm 21 are also of lengths so that the second end of the body part extends in proximity to the stop 13 of the surface member. The clamping element is so arranged on the surface member that one of the lengthwise edges of its body part 20 will be on alinement with the edge of the surface member which is adjacent to the lugs 14 and 15 when the element is swung home on the surface member for holding the razor blade in the device, and in this edge of the body part of the element are two spaced recesses or notches, as 22^a and 23, in which the lugs 14 and 15 are received when the element is swung home. The body part 20 of the clamping element is also disposed so that it is slightly spaced from the surface member, and in the underside lengthwise of this body part may be an elongated recess 24 in opposed relation to the surface member to accommodate the rib 18 when the form of razor blade 17 is applied to the holder.

For the purpose of releasably locking the body part 20 of the clamping member 19 to the surface member 10 when the element is adjusted to hold the razor blade, I may provide a clip, as 25. The clip 25 may be of any suitable type, though the clip is preferably in the form of a hook projecting from the free end of the body part 20 of the element 19 so that when the body part 20 is swung upon the surface member 10 and swung upon the razor blade the clip or hook will engage the shoulder 12 of the surface member by the shoulder passing into the hook, the stop 13 of the surface member serving to prevent the hook from moving beyond a given distance which in turn will limit the movement of the body part 20 of the clamping element to a predetermined distance upon the razor blade.

To apply a safety razor blade to the holder when desired to hone or otherwise sharpen the blade the clamping element 19 is swung crosswise of the surface member 10 in a direction, as indicated at 26 Fig. 2. When a form of the blade 16 is to be sharpened the blade is laid upon the surface member 10 so that the lugs 14 and 15 are received in the apertures of the blade. The clamping element 19 is then reswung upon the surface member and upon the blade, as shown in Figs. 1 and 3, and with the movement of the clip 25 into engagement with the shoulder 12 of the surface member the blade will be properly held for being sharpened. When the form of the blade 17 is to be sharpened the clamping element is swung to the position illustrated, at 26, and this blade is arranged so that its central part will rest upon the lugs 14 and 15 of the surface member, while the rib 18 of the blade rests upon the surface member adjacent to the lugs. By then reversely swinging the clamping element 19 upon the surface member as well as upon the blade the rib 18 of the blade will be received in the recess 24 of the body part 20 of the clamping element, and when the clip 25 is moved into engagement with the shoulder 12 of the surface member, as described, this form of the blade will be removably held for being easily sharpened. A simple, efficient and durable holder is thus provided whereby the work of sharpening different forms of safety razor blades may be easily accomplished.

In the foregoing description, I have embodied the preferred form of my invention, but I do not wish to be understood as limiting myself thereto, as I am aware that modifications may be made therein without departing from the principle or sacrificing any of the advantages of this invention, therefore, I reserve to myself the right to make such changes as fairly fall within the scope thereof.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:—

The combination, in a razor blade holder, with a flat elongated plate having protruding spaced lugs on one of its faces and having a handle on one of its ends as well as having a shoulder on its second end, of a clamping element comprising a striplike body with a projecting arm pivoted to the flat plate adjacent to the handle so that the body and arm may be swung crosswise of the plate back and forth with relation to the lugs, said body having a lengthwise recess in opposition to the plate, and having spaced notches in one of its edges for reception of the lugs, and a hook on the end of the body opposite to its arm for detachably engaging the shoulder of the plate whereby the body and the plate will be releasably locked together.

This specification signed and witnessed this 13th day of December, A. D. 1918.

ANTHONY F. BARRO.

Witnesses:

J. FREDERICK CRYER,

A. A. DIBBLEE.