April 21, 1953 F. I. SMALL 2,635,843

HOLDER FOR SAFETY RAZORS

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Fig. 2.

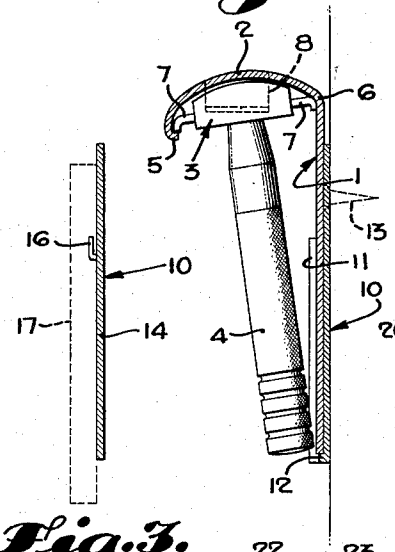


Fig. 1.

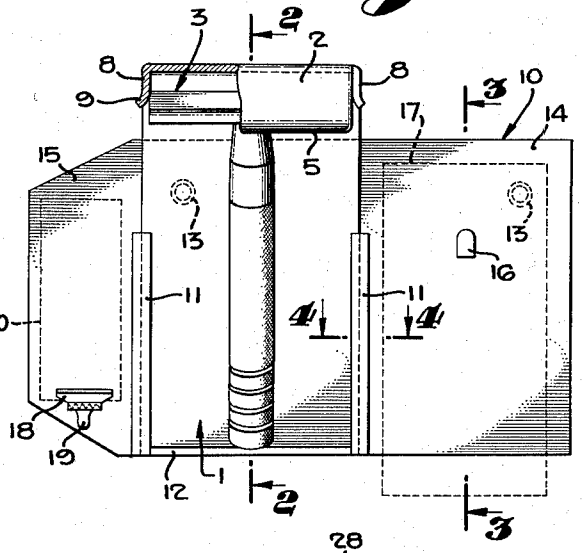


Fig. 3.

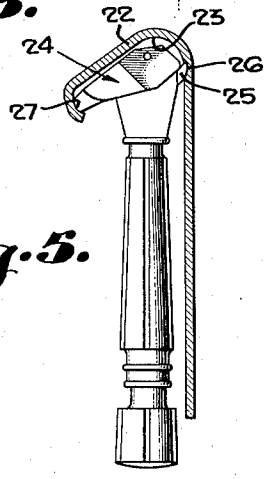
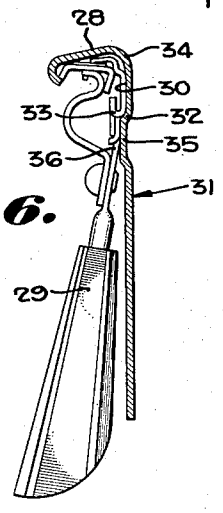


Fig. 5.

Fig. 6.



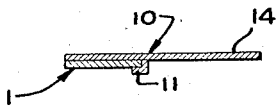


Fig. 4.

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HOLDER FOR SAFETY RAZORS

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2 Claims. (Cl. 248—309)

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This invention relates to a holder or protector for a safety razor, and in the following specification is described as applied to a safety razor of double edged type and also to models or types of razors employing a blade with a single cutting edge.

An object of the invention is to provide a holder having means for receiving the cutter head of a safety razor in such a way as to protect the cutting edge or edges of the blade from contact with any object that might mar its cutting edge.

More specifically stated, one of my objects is to provide a holder such as referred to, with a cowl or hood having features of construction or form that facilitate the placing of the razor head within it and which co-operate to hold the razor yieldingly in place, so that it can be readily removed at will; also to construct the same so that it can hold the razor in such a way as to enable it to be packed in a traveling case or suit case.

Another object is to provide the holder with simple means operating as a wall bracket or plate for supporting the razor on a vertical surface such as presented by a wall, and to provide such bracket itself with means for supporting extra razor blades.

Further objects of the invention will appear hereinafter.

The invention consists in the novel parts and combinations of parts to be described hereinafter, all of which contribute to produce an efficient holder for safety razors.

A preferred embodiment of the invention is described in the following specification, while the broad scope of the invention is pointed out in the appended claims.

In the drawing:

Fig. 1 is a front elevation of the razor holder of my invention, partially broken away, showing a safety razor held therein, and also showing a wall plate or bracket in which the holder itself is removably mounted.

Fig. 2 is a vertical section taken about on the line 2—2 of Fig. 1, but showing the razor in side elevation.

Fig. 3 is a vertical section taken about on the line 3—3 of Fig. 1 and illustrating how a package of extra blades for the razor may be supported in the holder.

Fig. 4 is a fragmentary horizontal section taken on the line 4—4 of Fig. 1 to show how flanges on the wall plate co-operate to support the razor.

Fig. 5 is a view similar to Fig. 2 but illustrating an adaptation of the holder to carry a safety razor of a different type from that shown in Fig. 1.

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Fig. 6 is also a sectional view similar to Fig. 5, illustrating an adaptation of the holder to still another type of razor.

Referring more particularly to the parts as illustrated in Figs. 1 to 4 inclusive, in the preferred form of the holder it comprises a plate-form body 1, the upper end of which is bent forward to form an extension in the form of a hood or cowl 2.

This cowl has a cross-section that conforms substantially to the shape of the head 3 of the razor which it is to hold.

In other words, the under side of the cowl forms a socket into which the razor head can fit neatly.

If the razor is a double edged one, it may assume a position such as indicated in Fig. 2 with its handle 4 inclined toward the body of the wall plate and substantially resting at its lower end against its forward face. The cowl 2 holds the razor in this position by reason of the presence of an inwardly projecting lip 5 at the outer edge of the cowl. This lip is located at a lower level than the point 6 where the inner end of the cowl has its junction with the upper end of the body 1 of the holder.

The holder is preferably composed of a material having sufficient resiliency to enable the cowl at the lip to exert force upon the razor head to force it into the angle at the point 6. For this purpose the holder is preferably composed of sheet brass, or a suitable plastic.

The lip 5 is located slightly below the level of the angle at the point 6. Hence when the handle 4 is seized and pulled outwardly, the inner end of the guard 7 of the razor will slide downwardly. This will spring the lip 5 and outer end of the cowl outwardly. In other words, the cowl holds the razor head yieldingly in place, but so that it can be readily removed when it is to be used.

In order to facilitate placing the razor head in its socket under the cowl or hood 2, I prefer to provide it with guiding means 8 which in this instance consist of two tongues that are formed integrally with the lateral ends of the cowl.

The lower ends of the tongues 8 are bent outwardly to form guide lips at their lower ends to assist in centering the razor head under the cowl when it is being put in place in the holder.

If desired, a wall plate or bracket 10 may be provided to support the holder. The wall plate illustrated has substantially parallel flanges 11 that overhang the body plate 1 of the holder when it is slid down between the flanges. A bead or rib 12 at the lower edge of the wall plate operates as a stop for the holder when it is in place.

Small fasteners such as screws 13 may be used to secure the wall plate on a wall or any object presenting a vertical face.

If desired, the wall plate may have side extensions or wings 14 and 15, the former of which may be provided with a small flat hook 16 that is adapted to support a pack of extra blades carried in a package indicated by the dotted outline 17; and the latter of which may be provided with a small spring clamp 18 having a handle 19 that can be depressed to open the clamp and enable it to clasp the lower end of a package of extra blades, of another form such as indicated by the reference numeral 20.

In Fig. 5 I illustrate how the cross-section of the cowl may be altered to adapt it to the shape of razor heads of a different type from that shown in Fig. 1.

This is a type having a single cutting edge and having the razor head 24 inclined at a considerable angle to the axis of the handle 21. The cowl 22 has a cross-section that forms a socket 23 under it that fits to the razor head. In this type of razor the back of its head 24 has a projection or short spur 25. So it is necessary to provide a small recess 26 to receive this projection. This holder may be made of thinner metal, or metal with greater resiliency in order to enable the cowl to assume a more considerable amount of distortion in removing and replacing the razor head. In this case the cowl is provided with a bent forward edge so as to present a concave socket 27 to receive the nose of the razor head.

In Fig. 6 another type of safety razor is illustrated which necessitates another modification in cross-section of the cowl 28. In this case the cowl extends at less inclination to the axis of the handle than in Fig. 5. And the razor handle 29 is disposed so that when the back plate 30 of the razor head is seated against the body plate 31 of the holder, the action of gravity on the handle tends to hold the razor head in place.

Although the cowls of the holders shown in Figs. 5 and 6 are illustrated without guide means such as the tongues 8 shown in Fig. 1, it is to be understood that such guide tongues may be provided, disposed as shown in Fig. 1. Furthermore, it is obvious that the holders illustrated in Figs. 5 and 6 may be provided with brackets or wall plates such as illustrated in Fig. 1. If such a bracket is employed, of course if the owner of the razor holder goes traveling, he can slip the holder off the wall plate, detach the razor blade package that he is using and pack both of them in his suit case or traveling bag. And when so packed the razor holder will operate to protect the edges of the blades, and the ends of the razor head from contact with other articles packed around or against the same.

In a holder of the type shown in Fig. 6, if the razor head has a form that does not enable the cowl 28 of the holder to retain it securely in the pocket of the cowl, I prefer to provide the inner face of the plate 31 with one or more small projections or spurs such as the spur 32. Such spur should be located in a position to engage a shoulder on the razor head, such as the shoulder 33 located at the lower edge of the back-plate 30 of the razor. When the razor head is being placed in the socket under the cowl, the shoulder 33 passes relatively upwardly (as viewed in Fig. 6) and rides over the spur 32 as the back-plate 30 seats itself flatly against the forward face of the plate 31. The resiliency of the material facilitates this; that is to say, the bend 34 at the junction of the cowl and body-plate 31, yields and opens slightly as a bow-spring to assist the shoulder in riding over and past the spur.

I also prefer to give the plate 31 a form in profile so that it will conform to the profile of the back of the handle 29 of the razor. In the present instance I may form the body-plate 31 with an inclined portion 35 that follows the line, or inclination of, the shank portion 36 of the razor.

It is evident that in all the forms of holders constructed in accordance with my invention, the holder not only supports the razor in an upright position, but it will retain the razor within it, or on it, in any position in which the holder containing the razor, is held. In this connection it must be remembered that the end tongues 8 on the cowls (not illustrated in Figs. 5 and 6) will always prevent the razor from sliding laterally out of the holder. In other words, the razor will stay in the holder, in any position whatever in which the holder is held. The resiliency of the material, and the presence of the angle at the juncture of the cowl and body plate of the holder make this possible.

Many other embodiments of the invention may be resorted to without departing from the spirit of the invention.

I claim as my invention:

1. A razor holder having a plate-form body portion with means for attaching the same against a substantially vertical face, said body having an integral resilient concavo-convex extension projecting outwardly adjacent its upper end defining a pocket, said pocket conforming substantially to the form of the head of the razor to be supported therein, and said extension having a lip at its outer edge projecting toward the said plate-form body, and operating to engage the razor head yieldingly, said extension having sufficient resiliency to support the razor head removably in position with its outer side supported on the lip, and the opposite side of the razor head pressed against said body above the level of the lip, said holder having resilient guiding means adjacent the lateral edges of said concavo-convex extension, operating to engage and guide the ends of the razor head when the outer side of the head is being hooked over the lip, and the head rotated about the lip to force the said opposite side of the head upwardly against the outer face of the plate-form body to a position of equilibrium above the level of the lip.

2. A razor holder for supporting a safety razor having a handle and a head extending transversely to the handle, said head having a spur projecting outwardly therefrom, said holder having a plate-form body portion with means for attaching the same against a substantially vertical face, said body having an integral resilient concavo-convex extension projecting outwardly adjacent its upper end defining a pocket, said pocket conforming substantially to the form of the head of the razor to be supported therein, and said extension having a lip at its outer edge projecting toward the said plate-form body, and operating to engage the razor head yieldingly, said extension having sufficient resiliency to support the razor head removably in position with its outer side supported on the lip, and the opposite side of the razor head pressed against said body above the level of the lip, the outer face of said body portion being provided with a socket

to engage and yieldingly receive the said projection on the razor head, and co-operating with the concavo-convex resilient extension to assist in yieldingly retaining the razor in the holder.

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