Sept. 26, 1950 E. R. PRATT 2,523,921

PROTECTIVE HOLDER FOR RAZORS

Filed March 18, 1949

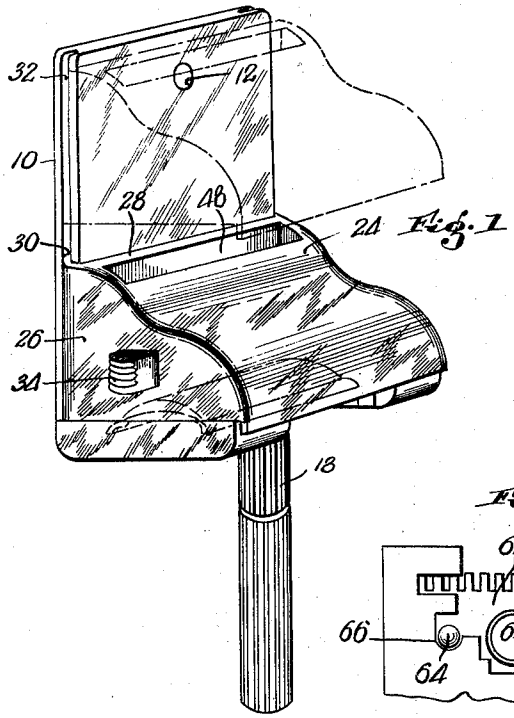


Fig. 1

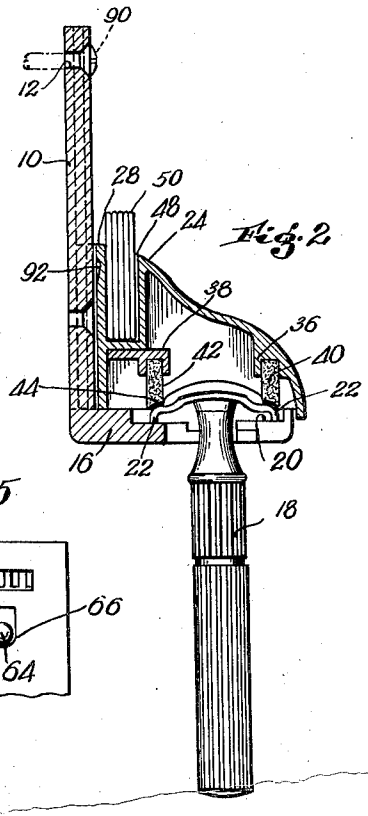


Fig. 2

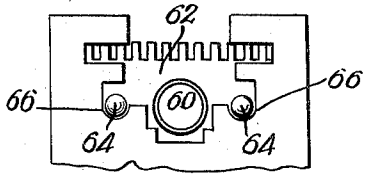


Fig. 5

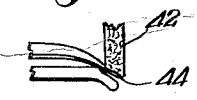


Fig. 8

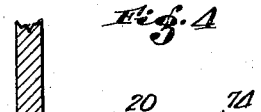


Fig. 4

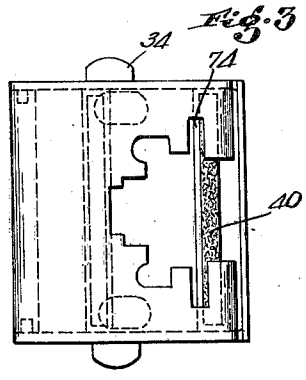


Fig. 3

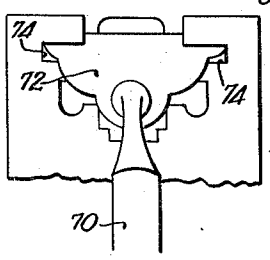


Fig. 6

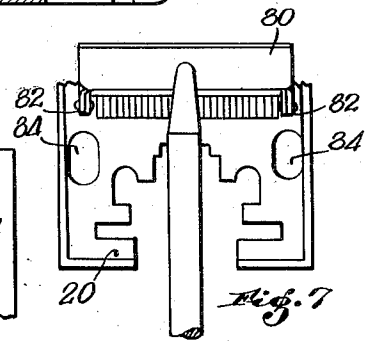


Fig. 7

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PROTECTIVE HOLDER FOR RAZORS

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1 Claim. (Cl. 30—34)

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This invention relates to an improved razor holder of the type having a razor supporting section in which the head of a safety razor may be received in a suspended position, thus constituting a convenient means of storing the razor when not in use and from which position of storage the razor may be readily removed when needed.

It is a general object of the invention to improve razor holders of the class indicated and to devise a simple, cheap and practical enclosure for receiving a razor in a position such that its handle portion is conveniently exposed while its cutting edges are protected from the danger of accidental cutting, or from contact with foreign bodies which would impair the cutting edges of the blade.

It is a further object of the invention to provide a razor enclosure which is composed of a limited number of component parts of a design chosen to facilitate rapid forming operations such as may permit manufacture of considerable quantities of the device and will also permit very quick assembly of the component parts.

In one more specific aspect the invention deals with certain problems relating to protection of the cutting edges or cutting edge of a razor by means of application of oil at points chosen so as to prevent the accumulation or occurrence of rust along and adjacent to the delicate cutting edges of the razor. Heretofore attempts have been made to apply oil to razor blades by substantially enclosing the cutting edges in an oil bearing member contained in a razor holder, or by forcing the razor cutting edges firmly against such an oil bearing member.

The difficulty with these arrangements is the tendency for the cutting edges to become dulled from frequent contacts with the oil bearing member or members as the razor is taken out of the holder in use, and then replaced.

The razor of the present invention avoids this difficulty by combining oil bearing means with a novel holder arrangement which can be operated in such a manner as to more accurately move the oil bearing member into and out of contact with the blade edges without causing the edges to become dulled.

An essential element in the holder design of the invention is a slidable cover member constructed and arranged to move in a plane perpendicular to the plane of the supporting surface on which the razor is supported so that an oil bearing member attached at the under side of the cover may be raised or lowered into a desired relative position just above the blade edges, and oil is thus afforded an opportunity to seep down out of the vertically disposed applicators on to the razor and exposed blade portions in an exceedingly effective manner.

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These and other objects and novel features will be more fully understood and appreciated from the following description of preferred embodiments of the invention selected for purposes of illustration and shown in the accompanying drawings, in which

Fig. 1 is a perspective view illustrating a safety razor supported in the razor holder of the invention and further indicating in broken lines the cover portion of the holder in a raised position to permit removal of the razor member;

Fig. 2 is a view in side elevation of the razor and holder assembly shown in Fig. 1 and further illustrating oil bearing members in an operative position with respect to the razor and blade supported therein;

Fig. 3 is a plan view of the holder with the cover element removed to disclose a blade supporting surface of the holder;

Fig. 4 is a detail cross-sectional view taken vertically of the blade supporting portion of the holder;

Fig. 5 is an elevational view showing a modified razor construction engaged in the razor holder of the invention;

Fig. 6 is an elevational view showing another type of razor received in the holder of the invention;

Fig. 7 is a perspective view showing still another form of razor in an intermediate position in the holder of the invention; and

Fig. 8 is a detail view of a blade and oil bearing member assembly.

For purposes of illustrating the invention, the general description of the holder will be directed to its use with reference to a safety razor of the double edge type as shown in Figs. 1 and 2. It is not intended that the invention be limited, however, to this or any other particular form of razor and various other arrangements such as those exemplified by Figs. 5 to 7 inclusive may be desirable.

In the structure shown in Figs. 1–4 inclusive, numeral 10 denotes a side wall or backing member which is preferably formed with openings 12 by means of which it is intended that the wall member may be secured to a medicine cabinet, shelf or other convenient base where a razor may be kept when not in use.

At the lower end of the wall 10 and integral with it, is a shelf element 16 which is chosen of

a length and width adapted to slightly exceed the dimensions of the head of a razor 18, as suggested in Fig. 2. At its upper side, the shelf 16 presents a recessed razor supporting surface 20, which is cut away at its front side as noted in Fig. 1, to form an entranceway through which the razor 18 may be passed in order to locate it in the seated position shown in Fig. 2. A razor of the specific shape noted in Figs. 1 and 2 is thus suspended from the shelf with the edges 22 of the razor guard bearing evenly upon the seating surface 20 so that the razor is held in a relatively stable manner.

The shelf and wall member comprise one of two elements making up the whole. The second element comprises a cover which includes a rolled front side 24, side walls 26, and a rear wall 28. The latter member is formed on two opposite sides with turned guide edges 30. Guide edges 30 normally engage in channels 32 formed along the opposite side edges of the wall member 10, thus providing for slidably securing the cover and allowing it to be moved in a plane perpendicular to the supporting surface of the shelf 16.

The cover is preferably constructed as a unitary member and can be conveniently raised and lowered by grasping the tabs 34 between the thumb and forefinger. As will be observed from an inspection of Fig. 2, the front side of the cover extends downwardly and outwardly in a reversely curved manner so that along its outer edge it is located closely adjacent to the outer portions of the razor supporting surface 20.

The inside of the cover is constructed with a slotted body portion 36 and a slotted extension 38 in which are detachably secured a pair of oil bearing members 40 and 42, which may conveniently comprise strips of felt or some other fibrous or absorbent body for retaining limited quantities of oily material.

The size and shape of the strips and their retaining body portions are chosen so that in a closed position of the cover the lower edges of the strips are lowered into a position whereby oil may be readily transferred to the razor and blade 44.

It is pointed out that the vertically adjustable arrangement of the cover on the wall 10 is especially desirable in moving the oil bearing members directly downward on to the razor without actually drawing the oil bearing member across the edge of the blade or in any other direction so as to brush the edge of the blade and thus impair its cutting ability. Moreover the oil bearing members are held in an upright position which facilitates oil transfer and permits oil to more readily seep downwardly on to the razor and blade and thus prevent rusting.

As is well known in the art, the prevention of rust is a material factor in preserving sharpness of a razor blade edge since the fine cutting edge of the blade, if examined under a microscope, is found to have lost much of its sharpness where rust has developed, even to a slight degree. In actual use of the device of the invention, it is found that a material increase in the life of a blade is obtained by preventing rust without at the same time dulling the blade from improper contact with the oil applicator body.

The oil bearing members are preferably formed with relatively thick bottom edges which may conveniently be of a beveled shape as shown in Fig. 8 for example, so that there is little, if any, opportunity for the fibrous material to be dragged across the blade edge. I may also desire to utilize an applicator formed in various other ways wherein the vertically slidable arrangement of the cover may be taken advantage of to achieve a light contact of the applicator with the razor or razor and blade assembly.

The cover also performs another desirable function of receiving and holding razor blades. This is achieved by means of a blade compartment 48 in which blades 50 may be placed as suggested in Fig. 2. The slidable mounting of the cover also facilitates handling of the blades since in a raised position of the cover the blades are elevated into a position above the top edge of the wall 10 where an outermost blade may be more conveniently grasped and slid upwardly out of the compartment.

The shelf 16 is constructed with an irregular razor supporting surface designed to adapt itself to a variety of types of razor heads which may be required to be supported within the holder. For example, in place of the razor 18 I may employ satisfactorily a razor of the general character illustrated in Fig. 5 and indicated by the numeral 60, the head 62 of which is commonly manufactured with studs 64 extending downwardly from the under side of the head and which must accordingly be received in some way in order to prevent an unstable seating of the razor in the holder member. It will be observed in this connection that a stable seating of the razor is very helpful in adjusting the oil bearing members and dropping them into a proper relative position without undesirably rubbing against the cutting edges of a razor blade contained in the holder.

With these factors in mind I have designed my improved shelf 16 with apertures 66 of a somewhat rounded character designed to exceed in size the diameter of the studs 64 so that the latter members may project downwardly therethrough when the razor head is in a seated position. Automatically the engagement of the studs 64 in the openings 66 results in a locking action so that the razor head is held in a fixed position.

Another form of razor has been illustrated in Fig. 6 denoted by the numeral 70. This type of razor is formed with a scalloped bracket portion 72 and in order to receive such a razor construction, I have provided my shelf member 16 with slots 74 through which the scalloped bracket portion may project as shown in Fig. 6, an arrangement which further serves to lock the razor in a fixed position.

Still another arrangement possible with the bracket construction of the invention is illustrated in Fig. 7, in which a razor 80 has been drawn in a slightly raised position from which it may be observed that the razor is provided with projecting stud portions 82 along two sides thereof. To enable the razor to become seated on the shelf surface 20, depressions 84 have been hollowed out of the surface at points in register with the projections 82 so that as the razor is lowered into a seated position the studs 82 project into the depressions and as noted above lock the razor in a relatively stable position.

To sum up, the holder of the invention provides a simple two-piece device for containing a razor of various shapes. The cover of the holder, as well as the body portion, may be conveniently manufactured out of material such as plastic bodies, paper compositions, rubber and other suitable compositions. The vertically slidable disposition of the cover affords an easily manipulated closure device which has the further ad-

vantage of providing for a controlled positioning of oil bearing members against blade edge of a razor supported in the holder, and finally the slidable cover arrangement facilitates the storing and removal of blades in the blade compartment described.

If desired, I may provide a stop member at some convenient point to hold the cover in a raised position. One form of stop may comprise a rounded head **90** on the screw **12**. The head projects outwardly a short distance to engage with a depression **92** formed in the back of the slidable cover. Various other stop arrangements may be used in the connection noted.

Having thus described my invention, what is claimed as new is:

In combination a razor and blade assembly, a holder having a razor locating slot for supporting the razor and blade assembly in a desired position, a cover slidably mounted for movement

in a vertical plane above the razor, oil-bearing members secured in the cover in a position of alinement with the edges of the blade, said cover and oil-bearing members cooperating with the razor and blade to intermittently apply a film of oil on a cutting edge of the blade when the cover is raised and lowered.

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