June 19, 1945. P. A. DERHAM 2,378,622

SAFETY RAZOR CASE

Filed Sept. 17, 1943

FIG. 1

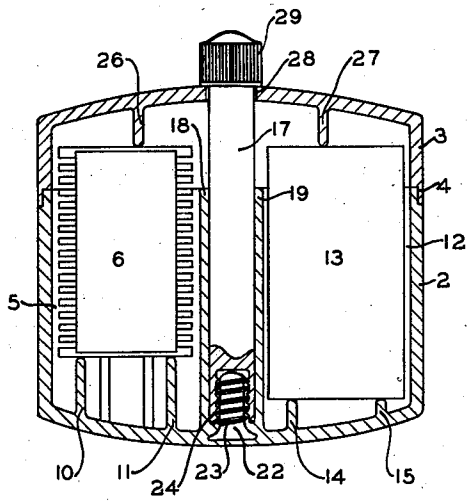


FIG. 2

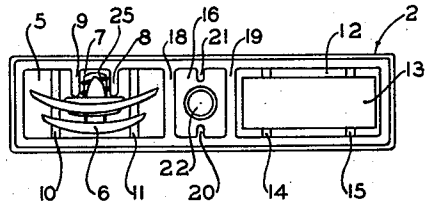


FIG. 4

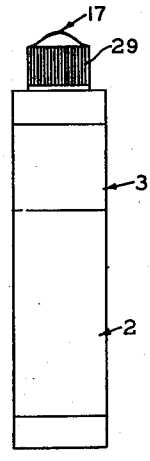
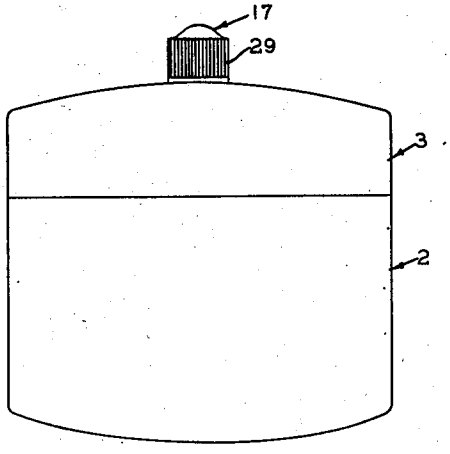


FIG. 3



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2,378,622

SAFETY RAZOR CASE

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8 Claims. (Cl. 206—16)

This invention relates to a safety razor case or similar article, particularly adapted for use by members of the armed services and travelers where a lightweight, compact, small-sized, conveniently packed case for carrying a safety razor and blades is desired.

An object of this invention is to provide a case of the sort above referred to in which the handle for the safety razor head is so arranged that it may be selectively utilized for its normal purpose and may also serve to secure the elements of the case against accidental separation. Another object is to provide a case so constructed and arranged that it may be substantially completely formed of lightweight molded plastic parts of sufficient rigidity for general use and will withstand rough handling. A further object is to provide a case in which the safety razor head and blades will be immediately available for grasping by the user when the cover is removed from the case without the necessity of inverting the case with the possibility of dropping the blades or the head or both.

The case proper is formed with a compartmental base and a cover portion. The base is preferably formed with three compartments, one to receive a safety razor head, another to receive safety razor blades, and a third to receive a safety razor handle. Complementary engaging means, such as a rabbeted joint, are provided on the base and cover portions to align them. The parts are secured as a unit against separation by the safety razor handle which passes through an opening in the cover and into the handle compartment. A screw threaded projection or its equivalent is provided in the base to receive the threaded end of the handle. Thus, the cover and base may be drawn firmly together and all possibility of accidental separation of the parts is eliminated. The same handle serves as a handle for the safety razor when the unit is opened and the razor head withdrawn and a blade inserted for use. The handle compartment is preferably so constructed that it serves to guide the handle into the proper alignment with the screw threaded projection in the base and thus facilitates assembly and locking of the unit.

In order that the invention may be more readily understood, I will describe the same in connection with the attached drawing in which

Figure 1 is a view partially in section and partially in elevation showing a preferred embodiment of my invention;

Figure 2 is a top plan view showing the base of the container of Figure 1 with the cover portion removed;

Figure 3 is a front elevation of the case in assembled, closed position; and

Figure 4 is a side elevation thereof.

The case comprises a base 2 and a cover 3, each being generally rectangular in horizontal cross section as shown in Figure 2. The base and cover portions are interfitted at 4 so as to properly align both sections in assembled position. In the embodiment illustrated, this interfitting is accomplished by means of a so-called "rabbeted joint," but other equivalent arrangements may be provided.

The base 2 is provided with a compartment 5 which receives the head 6 of a safety razor. A recess 7, defined by a pair of ribs 8 and 9, receives the screw threaded portion of the razor head 6 and limits lateral movement in the case. A pair of ribs 10 and 11 serves to limit downward movement of the razor head to provide that the razor head will project slightly thereabove when the cover is removed so that the razor head may be taken from the base conveniently.

The base 2 is also provided with a compartment 12 which receives a package of razor blades 13, or loose or wrapped blades, if desired. Ribs 14 and 15 are provided in the bottom of the base 2 to support the package of blades 13 in upright position, slightly above the top of the base 2 when the cover is removed from the case for convenient grasp.

A third compartment 16 is provided in the base 2 and this receives a safety razor handle 17 with a reasonably close fit. This is best illustrated in Figure 1, where the partition walls 18 and 19 of the compartment 16 are shown in close proximity to the safety razor handle 17. Ribs 20 and 21 (Figure 2) are provided on the walls of the base opposite the partition walls and these ribs, in cooperation with the partition walls 18 and 19, serve to guide the handle 17 into position for engagement with a projection in the form of a screw threaded metal insert 22 which, as illustrated in Figure 1, may be molded into the base portion 2. The screw threaded formation 23 on the metal insert 22 is complemental to the thread formation 24 on the handle 17. In place of screw threads, other complementary engaging means may be provided on the handle and insert. The safety razor head 6 is provided with a screw thread projection 25 which receives the handle 17 when the razor is in use, the thread formation 24 on the handle 17 being complemental

to the handle engaging projections on both the razor head and the base of the case.

The cover portion 3 is provided with a downwardly projecting rib 26 which is effective for limiting substantial upward longitudinal movement of the safety razor head 6 when the unit is assembled. A similar rib 27 is provided for limiting movement of the package of razor blades 13.

The cover 3 is provided with an opening 28 of a size which conveniently passes the shank of the safety razor handle 17 and an enlarged head 29 is provided on the handle 17 which engages the wall of the cover surrounding the opening 28 to press the cover down onto the base.

In assembly of the unit, the cover 3 is placed on the base 2 with the rabbeted joint 4 in alignment. The handle 17 is then inserted through the opening 28 into the compartment 16, being guided therein by the partition walls 18 and 19 and the ribs 20 and 21. When the screw threaded end 24 of the handle 17 comes into engagement with the screw threaded metal insert 22, rotation is imparted to the handle 17 by the user grasping the head 29. The base and cover portions are thus locked together against accidental separation.

In use of the case, the handle 17 is unscrewed and removed, the cover is removed and the razor head 6 is taken from the case. A blade is removed and inserted and the handle 17 is then screwed onto the projection 25 of the safety razor head 6 and the razor is ready for use.

The entire case, with the exception of the metal insert 22 in the base, may be formed by molding any of the well-known compositions, such as "Bakelite" or the like. It will be observed that the walls of the container are relatively thin and light and this is made possible primarily by reason of the provision of the partition walls 18 and 19, the ribs 8, 9, 10, and 11 in the base and the ribs 26 and 27 in the cover. These all serve to reinforce the side walls of the base and cover and prevent mold warpage even with such thin wall sections. The handle 17 is selectively engageable with the insert 22 to hold the base and cover in locked engagement and with the safety razor head when used for shaving. The unit will withstand rough handling which might be encountered in travelling and by members of the armed services in combat duty. The unit is small, and may be conveniently packed into a small space as in the pack of a soldier and there is no possibility of the parts becoming separated or the razor head or blades becoming scattered throughout the duffel which might result in damage or injury to the person or clothing of the user.

While the handle is shown in the embodiment illustrated as extending through the cover and into engagement with a projection in the base, it is obvious that the handle may be fitted into the base and received into a projection in the cover. Also, instead of having the screw threaded projection on the base and safety razor head, the projection may be provided on the handle and be selectively engageable with a threaded recess in the head and base. In place of screw threads, a bayonet joint or other suitable interengaging means may be provided. Other changes may be made to suit the taste of the designer, for the invention is not limited to the embodiment shown but may be otherwise embodied and practiced within the scope of the following claims.

I claim:

1. In a packaged safety razor unit, a compartmental container base to receive the head of a safety razor and a package of razor blades, a compartment intermediate said safety razor head and blade receiving compartments, said intermediate compartment having walls defining an opening extending centrally of said container base, a handle-engaging projection on the base and disposed in said intermediate compartment, a container cover having a central opening therein, said cover being interengageable with said base to constitute a closed unit, and a headed handle for said safety razor head passing through said opening into said intermediate compartment and engaging said projection, with the head of said handle engaging said cover around said opening to hold the base and cover as a closed unit against separation.

2. In a packaged safety razor unit, a compartmental container base to receive the head of a safety razor, a container cover interengageable with said base to constitute a closed unit, handle engaging means on one of said base and cover, the other having an opening to pass a safety razor handle therethrough and into engagement with said handle engaging means, and a handle for said safety razor head, said handle having means interengageable with said handle engaging means and also having a projection thereon, said handle passing through said opening and interengaging said handle engaging means and said projection on the handle engaging a portion of the outer surface of the container around said opening to hold said base and cover as a closed unit against separation.

3. In a packaged safety razor unit, a compartmental container base to receive the head of a safety razor having a screw threaded handle engaging projection thereon, a similar screw threaded handle engaging projection on the container base, a container cover interengageable with said base to constitute a closed unit, said cover having an opening therein to pass a handle therethrough and into engagement with the projection on the base, and a handle for said safety razor head having a screw thread therein interengageable with said screw threaded projection on said base and also having a projection thereon, said handle passing through said opening and interengaging said screw thread projection on the base and said projection on the handle engaging the outer surface of said cover around said opening to secure said base and cover as a closed unit against separation.

4. A packaged safety razor unit comprising a compartmental container base, a handle engaging projection on the base, a container cover interengageable with said base to constitute a closed unit, said cover having an opening therein in axial alignment with the handle-engaging projection on the base when the base and cover are in closed position, a safety razor head having a handle-engaging projection thereon and received within a compartment in said container base, and a handle for said safety razor head having attaching means thereon selectively engageable with said projections on the container base and safety razor head, said handle passing through the opening in the cover and engaging the outer surface of said cover around said opening therein with the attaching means on the handle being engaged with the projection on the base, clamp-

ing the base and cover together as a closed unit against separation.

5. A safety razor case comprising a base to receive a safety razor head having handle-engaging means thereon, a cover interengageable with said base to constitute a closed unit, handle-engaging means corresponding to the handle-engaging means on the razor head secured to one of said cover and base, the other having an opening therein to pass a handle for said safety razor head therethrough, and a handle for said safety razor head having attaching means thereon interengagable with said handle-engaging means on the safety razor head and the corresponding means associated with the case, said handle passing through said opening and engaging said handle-engaging means associated with the case, with a portion of said handle engaging the outer surface of said case in an area around said opening therein and clamping said base and cover as a unit against separation.

6. A molded safety razor case comprising a thin walled base of molded plastic material, a central compartment defined by a pair of spaced partition walls disposed between the side walls of the container base and extending throughout substantially the entire depth of the container base, said compartment walls with the end walls of the base defining a compartment to receive a safety razor head and another compartment to receive a package of razor blades, a thin walled cover interengageable with the base to constitute a closed unit, a safety razor handle extending through an opening in the cover into the central compartment, and handle-engaging means disposed in the base, receiving said handle and securing the handle thereto, a projection on the handle lying in engagement with the outer surface of said cover around said opening and clamping the base and cover together as a unit against separation.

7. In a molded safety razor case, a container base member of plastic material having thin side walls, end walls, and a bottom, said base including three compartments, one to receive the head of a safety razor having a handle-engaging projection thereon, one to receive a package of razor blades, and one to receive a safety razor handle, a pair of partition walls connecting the side walls and defining with the end walls the three compartments, a pair of ribs extending from one of said side walls in the razor head receiving compartment and defining therebetween a recess to receive the handle-engaging projection on the safety razor head, said partition walls and ribs serving to reinforce said side walls against warping, a container cover member interengageable with said base member to constitute a closed unit, handle-engaging means on one of said members, the other member of the unit having an opening through which a handle may pass to be secured to the handle-engaging means, and a safety razor handle comprising a shank, attaching means on one end of said shank selectively engageable with said handle-engaging means, and a projection on said shank remote from said attaching means and engageable with the material around the outside of said opening to secure said base and cover members as a unit against separation when said handle is passed through said opening in the one member of the unit and secured by said attaching means to said handle-engaging means on the other member, with said projection engaging the material around said opening.

8. A molded safety razor case comprising a compartmental container base, a safety razor head positioned in said base with a portion thereof extending above the open top of the base for convenient grasp, a cover interfitting with said base to constitute a closed unit, said cover having an opening therein to receive a safety razor handle, a handle for said safety razor head passing through said opening in the cover and into the base, handle-engaging means on the base, complementary engaging means on the handle, and a projection on the handle lying outside of the cover in engagement with the material of the cover around the opening therein, said handle joining the base and cover as a unit against separation.

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