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COMBINATION SAFETY RAZOR AND SHAVING CREAM DISPENSER

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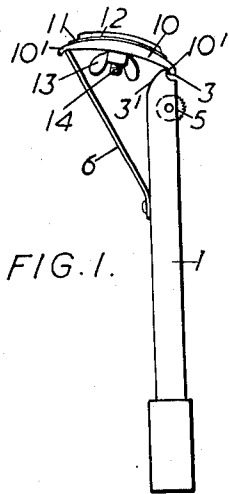


FIG. 1.

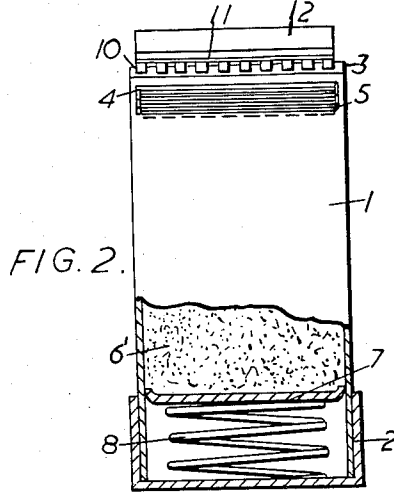


FIG. 2.

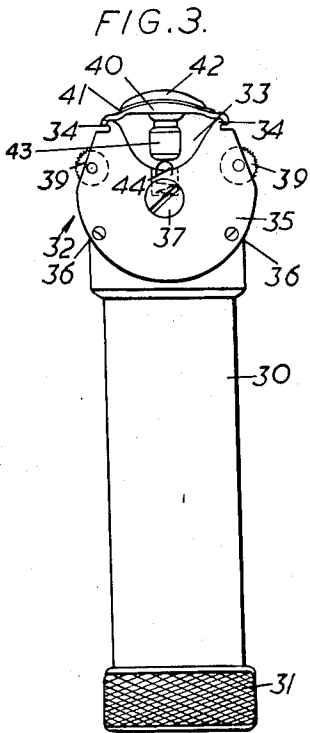


FIG. 3.

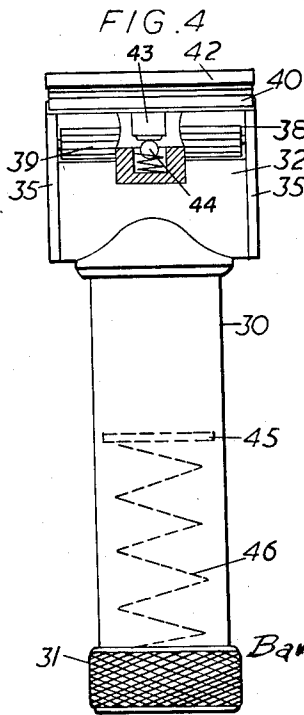


FIG. 4.

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COMBINATION SAFETY RAZOR AND SHAVING
CREAM DISPENSER

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2 Claims. (Cl. 30-41)

The present invention relates to safety razors. As is well known safety razors are frequently used in conjunction with a shaving cream instead of soap or soap preparations producing a lather.

It is the object of the present invention to provide a safety razor which is combined with a container for the shaving cream and which, during shaving spreads shaving cream on the face of a person.

It is a further object of the invention to provide a device facilitating and simplifying the shaving.

According to the present invention there is provided an elongated container for shaving cream adapted to serve as a handle for the razor, the said container being provided with a lid at one end, its opposite end being closed, at least one transversal slot being provided in a wall of the said container near the last mentioned end thereof, a roller being journaled in the container in such a manner that it slightly protrudes from the said slot, an assembled safety razor comprising a guard, a blade and a cover appropriately held together being removably affixed to the said container, one edge of the guard being positioned parallel with and a short distance above the said roller, a movable false bottom being provided in the container and being urged by a spring in the direction of the slot.

In a preferred embodiment of the invention there are provided two slots at opposite sides of the container and a roller is journaled within each of the slots, the safety razor assembly being held on the said container in symmetrical position relative to the two rollers, the two opposite edges of the guard being positioned above the said rollers and parallel therewith.

The invention will now be described with reference to the annexed drawing which shows in FIGURES 1 and 2 a simple form of the new device while FIGURES 3 and 4 show a more elaborate construction. FIGURE 1 shows the new device in a lateral and FIGURE 2 in a frontal elevation, partly in section. FIGURE 3 is a lateral elevational view of the more elaborate and modified form of the device and FIGURE 4 is a frontal elevation thereof.

A flat four-sided container 1 is closed at one end by a box-like cover 2, which is of such dimensions relative to the container 1 that it may be slid onto the latter and held on it by friction. At the opposite end the container is closed and forms a sharp transversal rib or ridge 3. The rear side of the rib 3, at 3', is oblique, for a purpose yet to be described. Below rib 3 and in front thereof, there is provided in the container a transversal slot or opening 4. In the two side walls of container 1 is journaled a roller 5 of semi-rigid material, e.g. rubber or the like, part of the roller protruding out of slot 4. The length of the roller is substantially equal to the length of a normal razor blade. To the rear wall of container 1, i.e. the wall opposite that in which slot 4 is provided, is fixedly attached a springy plate 6 extending outwardly and in upward direction from container 1. In the lowermost part of the container there is provided a false bottom 7 urged upwardly—towards roller 5—by spring 8 bearing with one end against the bottom cover 2 and with the other end against the underside of false bottom 7.

A conventional safety razor assembly comprising a guard 10, a blade 11 and a top 12 held together by a winged nut 13, screwing on an exteriorly screwthreaded boss 14 integral with top 12 and passing through blade 11

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and guard 10, is provided. As usual, the two longitudinal edges of the guard 10 are bent over at 10'. The rib 3 on the one hand and the free edge of the springy arm 6 on the other engage from below the bent over edge 10' and hold the safety razor assembly easily and removably on the new device, owing to the outward force, i.e. away from said ridge, exerted by the arm 6.

For use, the container 1 is filled with shaving cream 6', which, by bottom 7 and spring 8, is pressed upwardly onto the roller 5. Now the new device may be used in the same way as an ordinary safety razor; when the edge 10' with the edge of the blade 11 above it, on that side of the device on which the roller 5 protrudes is brought into position on a face to be shaved the roller will rest on the skin just in front of the cutting edge (in direction of movement of the razor). As a consequence of the pulling movement, roller 5 will turn and shaving cream will be deposited on it within the container and will be transferred to the face to be shaved just in front of the said edge of blade 11. In this way an easy and clean shaving can be achieved. It will not be necessary to lather the face separately or to spread non-lathering cream so that the face can be easily shaved. All operations of the shave will be accomplished at one time. The shaved off hair and cream will be deposited on the guard, as usual, and will pass through the gaps in the dented edges, and will accumulate on the oblique rear face 3' of ridge 3. The obliquity causes the scraped off matter to slide away from the guard, so as not to clog the passages through the said gaps.

The cream may be inserted into container 1 in the form of a cartridge being a flat sleeve of rectangular cross section fitting into the container in which case the false bottom must be of such size that it can enter the said sleeve and be movable within it. Until the said cartridge is inserted into the container, both its ends are closed by covers which are then removed and destroyed.

Turning now to FIGURES 3 and 4 the container is of round cross section and is indicated as a whole by the numeral 30; its lower end is closed by a screwed on lid 31. The upper end of container 30 carries a hollow body 32 which is partly of cylindrical outline and at the upper side of which a deep groove 33 is formed. Groove 33 is flanked by two parallel sharp ridges 34. The interior of container 30 is in connection with the interior of the hollow body 32. Body 32 is closed by two end plates 35 screwed into the edges of the curved wall of body 32 by screws 36. In one or both of plates 35 is drilled a hole closed by a screwed plug 37. This hole is of no constructional import; it only facilitates the assembly of the device and its cleaning whenever necessary. At two opposite sides of body 32 there are provided two symmetrically disposed slots 38 in each of which turns a fluted roller 39. The razor assembly comprising the guard 40, the blade 41 and the top or cover 42 is held together in a well-known manner by a screw 43. Screw 43 has in its circular top face a small depression. In the middle of groove 33 at its bottom there is provided a small spring-pressed, outwardly urged ball 44. The razor assembly can be slid on to body 32 with the bent over edges of guard 40 engaging the sharp ridges 34. The razor assembly will be in its proper place when the small ball 44 snaps into the small recess in the face of screw 43. In the container there is provided a false bottom 45. Between the said false bottom and the lid 31 extends a spring 46 urging bottom 45 towards the top of the container.

After removal of lid 31, false bottom 45 and the spring 46 a shaving cream, possibly in the form of a cartridge can be filled into the container 30. Then the false bottom 45 is put in place, the spring is inserted and the lid is

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screwed on to the container. The cream will be pressed upwardly into body 32 and against the rollers 39. With the razor assembly in place as shown in FIGURES 3 and 4 a person can shave in the customary manner. The rollers 39, in contact with the skin will rotate and transfer small quantities of shaving cream from the interior of the body 32 on to the skin.

A wiper may be affixed to the lower side of the razor assembly. Whenever the razor is removed from the new device, the groove 33 will be wiped clean.

It would be within the scope of the invention to use a safety razor assembly employing a blade with a single cutting edge only. In such a case the construction shown in FIGURES 1 and 2 is especially useful.

What I claim is:

1. A safety razor comprising an elongated handle adapted to receive shaving cream, said handle being provided with a lid at one end with its opposite end being partly closed with a transverse slot in a wall thereof, a roller journaled in and projecting into said slot with part of the circumferential surface of the roller slightly pro-

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truding from said slot, a guard, a blade and a cover removable as a unit affixed by spring means to said handle with one edge of the guard being positioned parallel with and a short distance from said roller, said handle having a deep groove between the guard and the roller for the accumulation of cream from the blade.

2. A combination according to claim 1, in which a screw is provided which has a small recess in its head and which holds the razor assembled, and in which a spring-urged ball is provided on the handle, the said ball snapping into said recess in the screw when the razor and handle are in its assembled position.

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