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W. ROTH
DISPOSABLE SAFETY RAZOR
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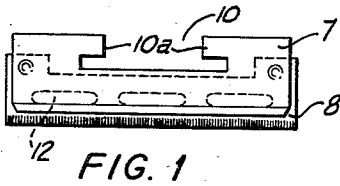
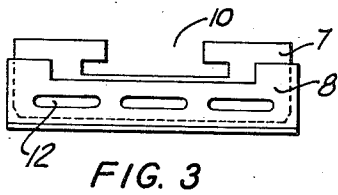
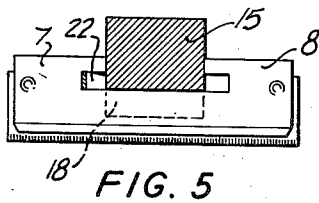
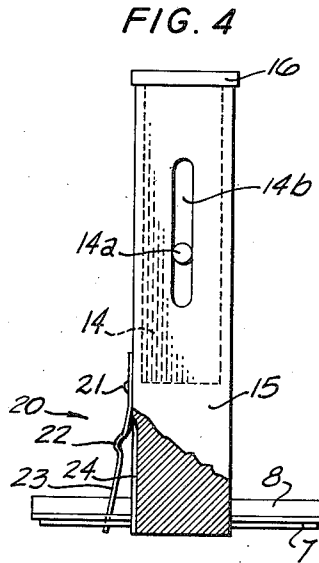
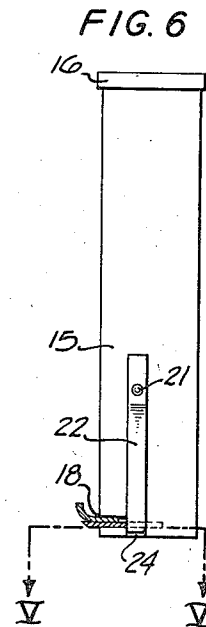
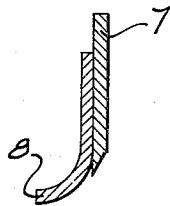


FIG. 2

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DISPOSABLE SAFETY RAZOR

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1 Claim. (Cl. 30—32)

This invention relates to razors, and particularly to disposable safety razors.

In my present invention I have provided a most compact combination of a safety razor and blade magazine in which the razor handle serves to hold a supply of blades. Another feature of the invention, and an important one, is the provision of a novel blade and guard combination or unit, in which a guard is attached or secured, and preferably permanently so to each and every blade in a fixed and proper position and ready for immediate use. The razor handle therefore serves to hold not only a supply of blades but also of guards. This scheme therefore makes for a most compact package which, when not in use, consists substantially only of a hollow square prism. And as hereinafter explained, each blade-guard combination or unit may be readily taken from the handle-case and put into shaving position at one end thereof.

Both the combination handle-container and the combination blade-guard may be made of inexpensive materials, so that the whole combination may be disposed of when the supply of blade-guards has been used. It will therefore be seen that while my new razor combination will be appreciated by users in general, it is of particular convenience to travelers, soldiers, etc., and to those who have forgotten to take a razor with them on overnight or week-end trips, this new combination being purchasable inexpensively, supplying as it does both razor and blades, so that there is no need to buy both separately or to buy a relatively expensive razor for temporary use.

The drawings illustrate one form of my invention, as required, but it is to be understood that after disclosure of the ideas embodied herein, modifications may be readily thought of without departing from the spirit of the invention.

In the drawings,

Figure 1 is a plan view of the front face of a razor blade with guard attached or secured thereto;

Fig. 2 is a side view of the combination of Fig. 1;

Fig. 3 is a plan view of the rear face of the combination shown in Figs. 1 and 2;

Fig. 4 is a side elevation of a razor embodying the invention, and also shows a blade-guard unit partly withdrawn from the handle-magazine combination of the razor;

Fig. 5 is a vertical section taken on line 5—5 of Fig. 6; and

Fig. 6 is a top plan view of the razor of Fig. 4.

Referring to the drawings for a more detailed description thereof, and at first to Figs. 1, 2 and 3, the numeral 7 indicates a razor blade. A guard 8 is attached or secured to part of one face of the blade, and preferably permanently so, either adhesively as by means of a cement, or by welding or mechanically if the guard is metallic. If the guard is made of a synthetic plastic ma-

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terial, a cement is desirably used to form the combination unit, as it may also with a metallic guard, it being understood that a guard is attached to each blade and the unit is thrown away when the blade is dull. To provide for the quick attachment of the blade-guard unit to the handle-case hereinafter described, the blade is stamped out in its upper central portion to provide an open slot 10 which is undercut to provide end recesses 11 into one of which fits a holding or locking means explained below.

The unit is also shown with three elongated apertures 12 near its cutting edge to absorb lather.

The combination handle-case, shown in Figs. 4, 5 and 6, is a hollow square prism which contains a supply 14 of the blade-guard units. The latter may be ejected individually by known mechanism indicated by the button 14a moving in a groove 14b. The handle-case is permanently closed at its front end 15, and at its rear end is closed by a removable cover 16, Fig. 4 showing the cover removed and a blade partly withdrawn from the case.

Close to the front end of handle-case, this has a kerf or slot 18 extending thereacross from its under side and upwardly part way, this end of the case being preferably solid for this purpose. The blade-guard unit fits into this slot, as shown, the bottom edge of slot 10 contacting the under side of the case, while the edges 10a of the blade, adjacent the upper part of the slot 10, contact the lateral sides of the case just above the slot 18.

To the right lateral face of the case, front portion thereof, is secured means for holding or locking the blade-guard unit in shaving position, such means being shown as a metallic strip 20 which has spring action to exert outward lateral pressure on the blade, and specifically against the boundary of one of the undercut portions of slot 10. Said holding or locking spring 20 is secured at its rear end 21 to the case, and its rear portion lies thereagainst. Intermediate its ends, the spring is bowed out, forming a convex 22 which serves as a convenient part on which the thumb of the user presses for the purpose of pushing the front straight portion 23 into a groove 24, the latter being formed in the side of the casing. The pressing of portion 23 of the spring into groove 24 is done just before the blade-guard unit is inserted in the slot 18. Release of thumb pressure on the spring allows it to exert its described lateral pressure against part of the blade-guard unit, thus holding the latter firmly in shaving position. Other holding means may readily be devised without departing from the thought back of this invention and are therefore within its scope.

What is claimed is:

In a safety razor of the disposable type, the combination of a hollow casing adapted to hold a supply of blade-guard units, said casing functioning also as the handle of the razor, a unit comprising a shaving blade and a guard permanently secured to said blade only, and means for holding said blade-guard unit to the front end portion of said casing and transversely thereof, said blade having an open undercut slot formed in its central upper portion and said casing having a kerf cut thereacross from its underside, said blade-guard unit fitted into said kerf and extending thereabove, said holding means comprising a flat spring pressing laterally against said blade.

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