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2,366,599

ATTACHMENT FOR SAFETY RAZORS

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Fig. 1.

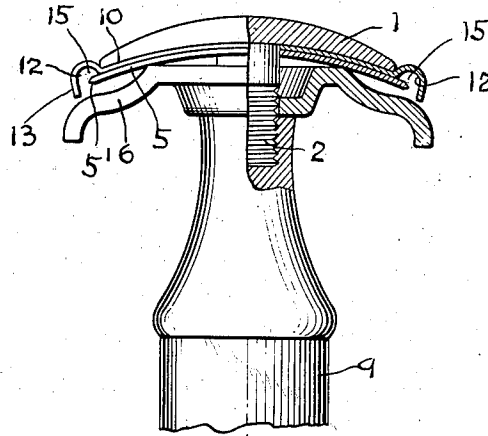


Fig. 2.

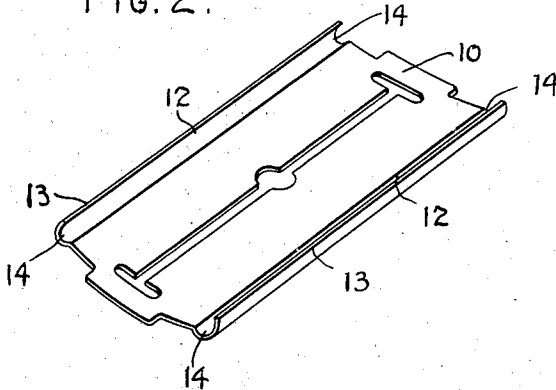


Fig. 3.

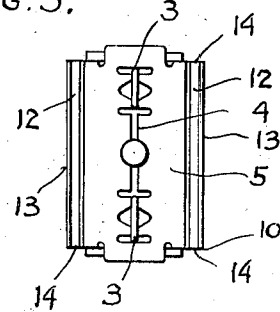


Fig. 5.

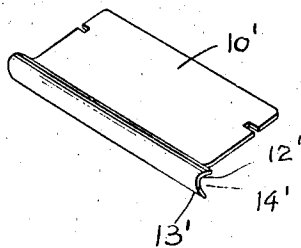
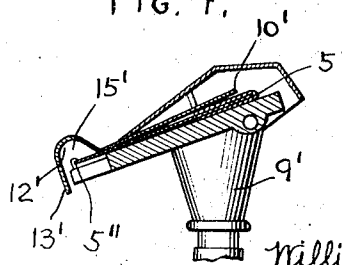


Fig. 4.



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ATTACHMENT FOR SAFETY RAZORS

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5 Claims. (Cl. 30-90)

The invention relates to an attachment for safety razors in the form of a shield for the cutting edge of the razor blade when the razor is not in use, an object being to protect and guard the cutting edge of the blade from injury resulting from contact with extraneous objects so that said cutting edge will not be dulled or marred and the keenness of the sharp shaving edge of the blade will be preserved for a much longer time than would be otherwise possible.

The invention consists in the novel construction and combinations of parts as hereinafter set forth in the claims.

In the accompanying drawing,

Figure 1 is a side elevation of one form of a Gillette type safety razor having the invention applied thereto, one-half of the head of the razor being shown in central transverse section.

Figure 2 is a detail perspective view of the invention.

Figure 3 is a detail top plan view of the invention as applied to the head of the razor, with the base and the handle removed.

Figure 4 is a transverse sectional view of the head of a Gem type safety razor, having a modification of the invention applied thereto.

Figure 5 is a detail perspective view of this modification.

In the drawing, the numeral 1 designates the cap of one form of the Gillette type razor, having a central screw stem 2 and central longitudinal ribs 3 with which the central longitudinal slot 4 of the razor blade 5 has engagement to maintain the parts in proper relative position. The base 6 of this razor is provided with central longitudinal slots and a central perforation respectively engaging said ribs and said stem for the same purpose. The base 6 and the cap 1 constitute jaws between which the razor blade is flexed and clamped upon screwing the handle 9 upon said stem and against said base.

The invention consists of the detachable shield 10, having a central longitudinal slot 11, said shield being of the same general form and shape as that of the razor blade 5 in the case of the Gillette but of greater breadth, the extra breadth being utilized in the provision of marginal longitudinal grooves 12 starting at the lateral edges of the cap 1. The trough of each of these grooves is partially spanned by the cutting edge portion of the blade 5, the outer edge wall 13 of the groove being spaced from, projecting at least to the plane of and guarding the cutting edge 5' of the blade against contact with extraneous objects. These grooves have open ends 14 to facilitate cleaning

and provide each an air space or chamber 15 wherein floats the cutting edge portion of the blade 5 to facilitate free evaporation of moisture therefrom.

The shield 10 is of equal thickness throughout, being thin enough so that when it is placed upon the cap 1 of the razor and the razor blade 5 placed thereover in assembling the parts both shield and blade will have the central longitudinal slots thereof engaging the central ribs 3 of the cap to maintain the parts in proper relative position. The shield is slightly concavo-convex whereby in assembling the parts it will be located closely against the inner concave face of the cap 1 to thereby leave sufficient of the ribs 3 of the cap projecting above the shield for engagement therewith of the central longitudinal slots of the blade 5 and of the base 6.

It will be noted that the cutting edge 5' of the blade 5 is guarded by the outer edge wall of the groove 11 of the shield from contact with extraneous objects both before the blade is flexed between the jaws of the razor and after said blade is flexed.

The shield 10 may be applied without modification thereof to any form of Gillette type razor including those forms no longer on sale as well as those forms on sale.

In Figs. 4 and 5 of the drawing a modified form of shield is shown which is applicable to the Gem type razor, similar parts having similar reference characters applied thereto differentiated by the exponent 1. Inasmuch as the Gem blade has but one cutting edge, the shield 10' used therewith has but one marginal longitudinal groove 12'.

I claim:

1. The combination with a safety razor, of an attachment for protecting the cutting edge of the razor blade when the razor is not in use, comprising a detachable shield clamped between the cap and base of the razor head contiguously to said blade, said shield having a marginal longitudinal groove the trough of which is partially spanned by the cutting edge portion of said blade, the outer edge wall of said groove being spaced from, extending at least to the plane of and guarding the cutting edge of said blade against contact with extraneous objects, said groove providing an air space wherein floats the cutting edge portion of said blade to facilitate free evaporation of moisture therefrom.

2. The combination with a safety razor, of an attachment for protecting the cutting edge of the razor blade when the razor is not in use, comprising a detachable shield clamped between

the cap and base of the razor head contiguously to said blade, said shield being of general rectangular form and conforming in general to the shape of and of breadth somewhat greater than that of said blade, said shield having a marginal longitudinal groove the trough of which is partially spanned by the cutting edge portion of said blade, the outer edge wall of said groove being spaced from, extending at least to the plane of and guarding the cutting edge of the blade against contact with extraneous objects, said groove providing an air space wherein floats the cutting edge portion of the blade to facilitate free evaporation of moisture therefrom.

3. The combination with a safety razor, of an attachment for protecting the cutting edge of the razor blade when the razor is not in use, comprising a detachable shield clamped between the cap and base of the razor head contiguously to said blade, said shield having a marginal longitudinal groove the trough of which is partially spanned by the cutting edge portion of said blade, the outer edge wall of said groove being spaced from, extending at least to the plane of and guarding the cutting edge of said blade against contact with extraneous objects, said groove having open ends to facilitate cleaning and providing an air space wherein floats the cutting edge portion of said blade to facilitate free evaporation of moisture therefrom.

4. An attachment for safety razors for pro-

tecting the cutting edge of the razor blade when the razor is not in use, comprising a shield adapted to be clamped between the cap and base of the razor head contiguously to said blade, said shield having a marginal longitudinal groove the trough of which is adapted to be partially spanned by the cutting edge portion of said blade with the outer edge wall of said groove spaced from, extending at least to the plane of and guarding the cutting edge of the blade against contact with extraneous objects, and with the cutting edge portion of the blade floating in said trough to facilitate free evaporation of moisture therefrom.

5. An attachment for safety razors for protecting the cutting edge of the razor blade when the razor is not in use, comprising a shield adapted to be clamped between the cap and base of the razor head contiguously to said blade, said shield having a marginal longitudinal groove the trough of which is adapted to be partially spanned by the cutting edge portion of said blade with the outer edge wall of said groove spaced from, extending at least to the plane of and guarding the cutting edge of the blade against contact with extraneous objects, and with the cutting edge portion of the blade floating in said trough to facilitate free evaporation of moisture therefrom, said groove having open ends to facilitate cleaning.

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