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SAFETY RAZOR

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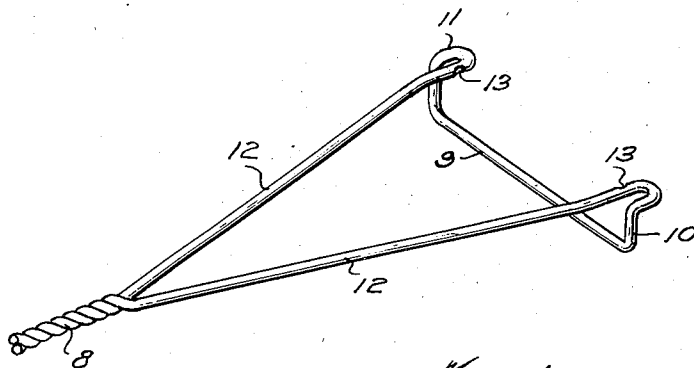


Fig. 1.

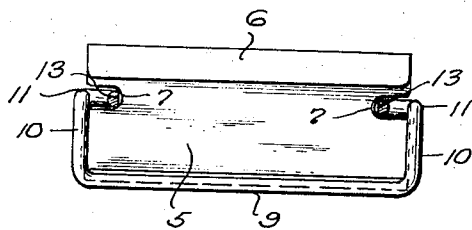


Fig. 2.

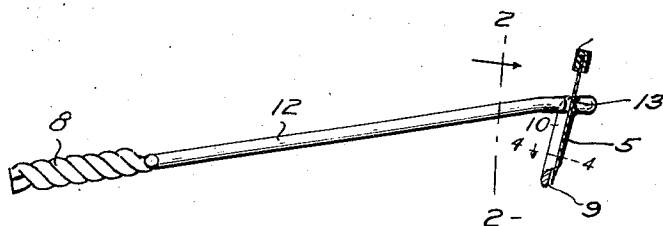
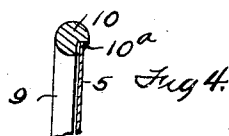


Fig. 3.



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SAFETY RAZOR

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6 Claims. (Cl. 30-64)

The object of the present invention is to provide an improved safety razor, and more particularly an improved holder or handle for a known type of safety razor blades, said handle being formed from a single piece of wire or like material, bent to form not only a holder for the blade but a guard for both the cutting edge and the ends of the blade. The material is also so shaped as to impose a spring like tensioning upon the parts to the end that the razor blade will be firmly held by the handle when in use.

Further objects and advantages of the invention will be set forth in the detailed description which follows.

In the accompanying drawing:

Fig. 1 is a perspective view of a safety razor constructed in accordance with the invention.

Fig. 2 is a transverse sectional view on line 2-2 of Fig. 3.

Fig. 3 is a vertical sectional view, and Fig. 4 is an enlarged horizontal section on line 4-4 of Fig. 3.

Like numerals designate corresponding parts in all of the figures of the drawing.

The razor comprises a blade of a known form comprising the blade body proper 5, and a backing 6. The ends of these blades are deeply notched at 7 and I utilize these notches in the engagement and support of the blade with and upon the blade carrying handle which constitutes the novel feature of my invention.

This handle is made from a single piece of material, such as a relatively heavy wire, that is stout enough to retain its shape under the conditions of use and stiff enough to impart resiliency to the parts as hereinafter set forth.

The ends of the wire are twisted together, or otherwise united at 8 to constitute a stout handle and the bight portion of the wire is bent to form a transverse horizontal bar 9, which lies close to and forms a guard for the cutting edge of the blade. Vertical extensions 10 at the ends of guard 9 lie close enough to the ends of the blade to constitute guards for said ends. The upper ends of the extensions 10 are connected by forwardly extending runs 11 to the forward ends of the handle runs 12, which, as before stated, are twisted together or otherwise united at 8. Notches 13 are formed in the faces of the handle runs 12. In engaging the blade with the handle the notches 7 of the blade are positioned upon the forward portions of the handle runs and the blade is pressed rearwardly until the metal at the base of said notches snaps into the notches 13. The vertical extension 10 are of such re-

siliency as to resist movement of the handle runs away from each other and thus when a blade is snapped into place it is securely held. It cannot move upwardly or downwardly because of the engagement of the forward portions of the handle runs in the notches 7; it cannot move sidewise because of the presence of these handle runs and it cannot move outwardly or inwardly because of its engagement in the notches 13.

While I have specified wire as the material to be employed, any material having the necessary physical characteristics may be used.

This article is light, sturdy, easy to keep clean, may be made at a low cost, and has no moving parts. Its open construction yields a clear view to the user. It use saves critical materials. It is sanitary and a blade can be inserted with a minimum of time and trouble.

It should be noted that the parts do not lie in such position as to maintain the blade perpendicular to the handle, but that the handle is bent downwardly so that the blade lies at an obtuse angle to the handle and at the proper angle for cutting.

The degree of inclination of the blade with respect to the handle may be varied at will, the invention not being limited in this respect.

I have stated that the vertical runs 10 serve as guards for the relatively sharp ends of the blade and prevent accidental cutting of the face or fingers of the user. To accentuate this guarding action I may flatten the forward side of horizontal guard bar 9 as illustrated in Fig. 4 and vertically recess or notch the inner faces of the vertical runs 10 as best illustrated at 10^a in Fig. 4, to provide recesses within which the ends of the blade are housed and guarded.

It is to be understood that the invention is not limited to the precise construction set forth, but that it includes within its purview whatever changes fairly come within either the terms or the spirit of the appended claims.

What I claim is:

1. A holder for safety razor blades of the type having notched ends, said holder comprising a horizontal guard bar, upstanding extensions at the ends of the guard bar constituting end guards, a pair of handle runs united at their rear ends and extending forwardly of said vertical extensions, and members uniting said handle runs and the upper ends of the upstanding extensions, the forward portions of the handle runs being shaped and dimensioned to engage in the notches of the ends of the razor blade.
2. A holder for safety razor blades of the type

having notched ends, said holder comprising a horizontal guard bar, upstanding extensions at the ends of the guard bar constituting end guards, a pair of handle runs united at their rear ends and extending forwardly of said vertical extensions, and members uniting said handle runs and the upper ends of the upstanding extensions, the forward portions of the handle runs being shaped and dimensioned to engage in the notches of the ends of the razor blade, and said handle extensions having their confronting faces notched, said blade snapping into said notches and said notches being positioned to maintain the edge of the blade in parallelism with and close to the horizontal guard.

3. A holder for safety razor blades of the type having notched ends, said holder being bent from a single piece of relatively stiff wire to form a transverse horizontal guard bar, guard extensions upstanding from the ends of the guard bar, forwardly projecting runs extending from the upstanding guard extensions and rearwardly ex-

tending and convergent handle runs leading from the forward ends of said forwardly projecting runs, the confronting faces of said handle runs having blade engaging means at a position to maintain the cutting edge of the razor blade close to the guard bar.

4. A structure as recited in claim 3 wherein the blade engaging means consists of vertical notches formed across the respective faces of the handle runs.

5. A structure as recited in claim 1 wherein the ends of the blade lie in such close proximity to the said upstanding extensions that said extensions serve as guards for said ends of the blade.

6. A structure as recited in claim 1 wherein the ends of the blade lie in such close proximity to the said upstanding extensions that said extensions serve as guards for said ends of the blade, said upstanding extensions being recessed for the reception of the ends of the blade.

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