

S. C. YEATON, JR.
 RAZOR.
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977,919.

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Fig. 1.

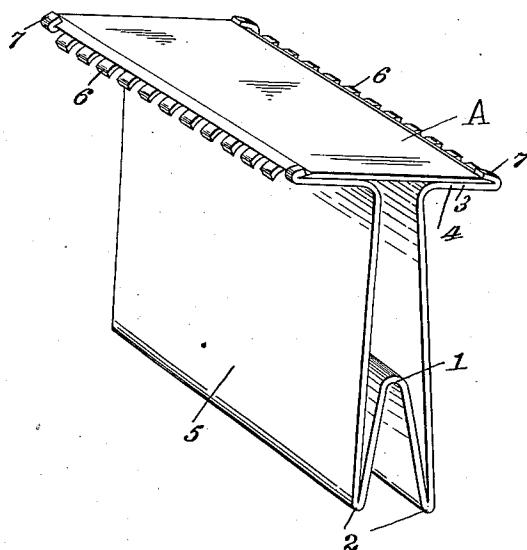


Fig. 2.

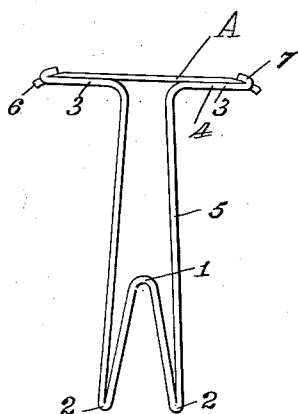
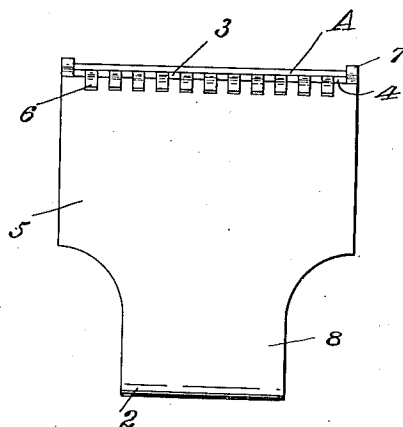


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

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RAZOR.

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To all whom it may concern:

Be it known that I, SAMUEL C. YEATON, Jr., a citizen of the United States, and a resident of the city of New York, borough of Brooklyn, county of Kings, and State of New York, have invented new and useful Improvements in Razors, of which the following is a specification.

My invention relates particularly to safety razors and comprises a holder for retaining the razor blade adapted for use with a blade having two cutting edges, oppositely disposed, and is constructed to permit the repeated use of the blade as often as it is resharpened. The retaining frame comprises two sides, upon whose outer edges are formed protective combs having the ends folded over forming lips. The four corners of the blade are held in spring pressed engagement between these lips. This always insures accurate and correct positions of the cutting edges upon their respective combs, which is not altered (owing to the spring pressed engagement of the lips) when the razor is reduced in transverse dimension after it has been resharpened.

Referring to the drawings:—Figure 1 is a perspective view of my safety razor holder with the blade secured therein. Fig. 2 is an end view of Fig. 1, and Fig. 3 is a front elevation showing the sides cut away at either end.

My razor blade holder is made from resilient sheet metal and is so shaped that the intended parts will grip the blade (designated A in the drawings) in a manner to be retained in spring-pressed engagement therewith. The parts are so constructed that the gripping members may be sprung open to emit the blade when desired, after which, when the pressure is released, the gripping parts will spring together again but beyond their normal positions, that is to say, beyond the positions for gripping the blade. It will then be necessary when inserting a blade within the grips, to once more spread those parts. This will require a force which when released will permit an equal force to hold the blade in secured position.

Referring more particularly to the draw-

ings—the sheet of metal composing the holder is bent along its transverse center making a substantially V-shaped fold 1. At a suitable distance from the vertex of this fold the sides thereof are turned outwardly back upon themselves making the folds 2—2. At a suitable distance from these last folds the sides are again bent outwardly and away from each other forming the halves 3—3 of the blade retaining frame 4. By thus forming the sheet a handle 5 is obtained comprising the two sides formed by making the folds 2—2 and a retaining frame 4 also having two sides 3—3, which are preferably made integral each with one of the sides of the handle in the manner already described.

The two halves of the holder are preferably made similar. The opposite edges of the retaining frame have rows of teeth 6—6 formed thereon constituting combs for protecting the user of the razor from being accidentally cut. The corners of the frame adjacent the combs are bent upward upon themselves forming four blade retaining lips or grips 7.

My holder has the advantage that it is possible to form it of a single piece of sheet metal. To insert or remove a blade it is only necessary to grip the holder along the lower edges 2—2 and to force them sufficiently close together. This operates to spread the halves of the retaining frame 4. This can easily be manipulated with one hand, the other hand being left free to remove or insert the blade. When the pressure of the hand is released the jaws will come together upon the inserted blade and securely retain it in position.

If it is necessary to weaken the spring of the holder, the sides may be cut away as shown in Fig. 3, thus weakening the spring member 8 to any desired amount. This also has the advantage of preventing the user from gripping the handle too far down when using the razor. This obviates any possibility of loosening the blade accidentally while in use.

Having thus described my invention I claim—

In a safety razor a holder for a double-

edged blade made of sheet metal, comprising a V-shaped spring formed by folding the sheet along its transverse center, two sides formed by folding the legs of the V spring
5 back upon themselves, a frame for the blade formed by bending the ends of the sheet outward, guard teeth formed on the ends of

the sheet and lips formed on the corners thereof for gripping the blade.

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