

Nov. 7, 1933.

V. SLAMA ET AL

1,934,151

SAFETY RAZOR BLADE

Filed Sept. 14, 1932

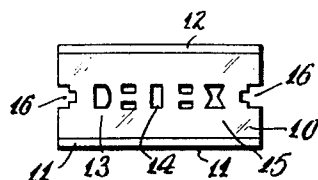


Fig. 1.

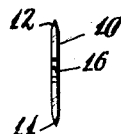


Fig. 2.

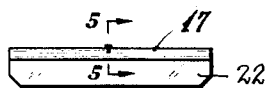


Fig. 3.



Fig. 4.

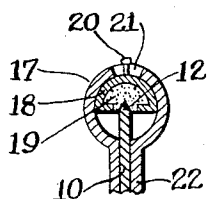


Fig. 5.

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UNITED STATES PATENT OFFICE

1,934,151

SAFETY RAZOR BLADE

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Application September 14, 1932

Serial No. 633,044

4 Claims. (Cl. 30—12)

This invention relates to new and useful improvements in a safety razor blade.

The invention has for an object the construction of a safety razor blade which is adapted to engage within many of the safety razor holders now on the market. It is particularly pointed out that different manufacturers construct their holders in certain manners so that these holders may receive only their particular type of razor blade. This invention contemplates an arrangement of the razor blade in a manner so as to engage within many of these holders in spite of their particularities.

More specifically the invention has for an object the provision of a bent strip adapted to engage upon one of the edges of a double edged blade so as to adapt the blade into a razor holder designed for a razor blade with a single edge.

It is a still further object of this invention to use in conjunction with the bent strip, means for preventing possible damage for the keen edge of the blade.

The invention still further proposes an arrangement whereby the guard material within the bent strip may be adjusted within certain limits to prevent excess wear due to the razor blade always striking the same area.

Furthermore, the invention has for an object the construction of an article as mentioned which is simple and durable and which may be manufactured and sold at a reasonable cost.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawing, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawing forming a material part of this disclosure:—

Fig. 1 is a side elevational view of a double edged razor blade.

Fig. 2 is an edge elevational view of Fig. 1.

Fig. 3 is a side elevational view of a bent strip for use in conjunction with the blade shown in Fig. 1.

Fig. 4 is an edge elevational view of Fig. 3.

Fig. 5 is a fragmentary enlarged sectional view taken on the line 5—5 of Fig. 3.

The safety razor blade according to this invention comprises a blade 10 having a double cutting edge 11, 12 and a plurality of openings 13, 14 and 15 of various shapes adapted to engage over various supporting projections within a razor holder not shown on the drawing. The

opening 13 is of substantially D shape, the opening 14 of rectangular shape, and the opening 15 of X shape. On opposite edges the blade 10 is formed with a double cut out portion 16 adapted to engage projections along the sides of the blade holder.

For use in conjunction with the double edged blade shown in Figs. 1 and 2, a bent strip 17 is provided which is adapted to engage upon one of the edges of the blade 10 and so convert it to a single edged razor blade. The bent strip 17 has a bulged portion at the bend of substantially cylindrical form as shown in Figs. 4 and 5. A semi-cylindrical holder 18 is located within the bulged portion of the bent strip 17 and holds soft material 19 such as cork, rubber or cotton. A handle 20 projects from the semi-cylindrical holder 18 and extends through a transverse elongated slot 21 formed in the bulged portion of the bent strip 17. Thus the holder 18 may be shifted by moving the handle 20 as allowed by the slot 21 and in this manner undue wear of the soft material 19 by reason of the edge of the blade engaging the same area thereof continuously, is avoided.

The free ends 22 of the bent strips 17 are tapered to allow ready insertion of the blade 10. These free ends have sufficient resiliency to grip the blade. In case the blade is forced past the free end 22, the soft material 19 forms an abutment, without injuring cutting edge of blade 10.

In use the blade may be engaged within many of the blade holders now on the market and then used in an ordinary manner. The main feature of the invention is the provision which allows the blade to be used in different types of holders.

While we have shown and described the preferred embodiment of our invention, it is to be understood that we do not limit ourselves to the precise construction herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having thus described our invention, what we claim as new, and desire to secure by United States Letters Patent is:—

1. A safety razor blade, comprising a double edged blade, a bent strip adapted to engage upon one edge thereof, soft material in the bend of said blade, and means for holding said soft material in different positions to expose different longitudinal portions to the edge of said blade.

2. A safety razor blade, comprising a double edged blade, a bent strip engaging on one edge thereof, and having at the bent portion a bulged

portion of substantially cylindrical form, a semi-cylindrical holder within the bulged portion, soft material to protect the edge of the blade carried by said holder and a handle projecting from said holder through a transverse elongated slot in said bulged portion.

3. A safety razor blade, comprising a double edged blade, a bent strip engaging on one edge thereof, and having at the bent portion a bulged portion of substantially cylindrical form, a semi-cylindrical holder within the bulged portion, soft material to protect the edge of the blade carried by said holder and a handle projecting from said holder through a transverse elongated slot in said bulged portion, said soft material comprising cotton, rubber or the like.

4. A safety razor blade, comprising a double edged blade, a bent strip engaging on one edge thereof, and having at the bent portion a bulged portion of a substantially semi-cylindrical form, a holder within the bulged portion and supporting soft material to protect the edge of the blade carried by said holder, and a handle projecting from said holder through a transverse elongated slot in said bulged portion, the ends of said transverse elongated slot limiting the possible change of position of said semi-cylindrical holder.

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30	105
35	110
40	115
45	120
50	125
55	130
60	135
65	140
70	145
75	150