Apr. 3, 1923. 1,450,859

F. KULHAWY

SAFETY RAZOR

Filed Apr. 28, 1921

Fig.1.

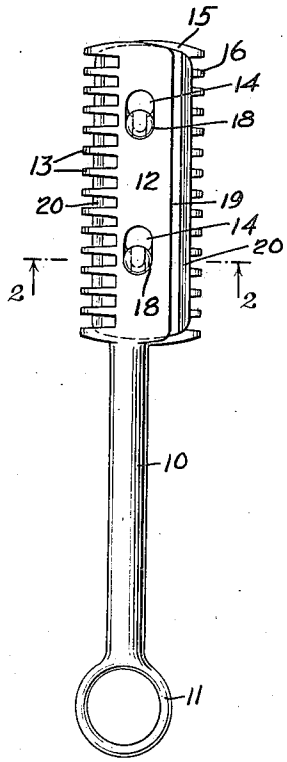


Fig.3.

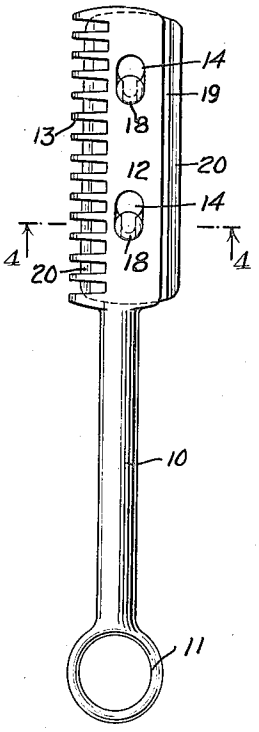


Fig.2.

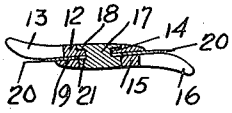


Fig.5.

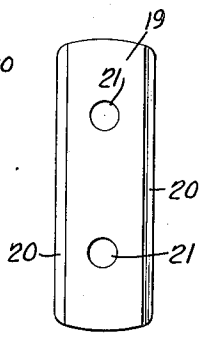
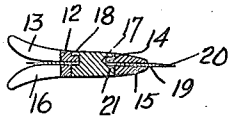


Fig.4.



WITNESSES

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Patented Apr. 3, 1923. 1,450,859

UNITED STATES PATENT OFFICE.

FERDINAND KULHAWY, OF WEST HOBOKEN, NEW JERSEY, ASSIGNOR TO COMFORT SAFETY RAZOR AND NOVELTY CO. INC., OF WEST HOBOKEN, NEW JERSEY, A CORPORATION OF NEW JERSEY.

SAFETY RAZOR.

Application filed April 28, 1921. Serial No. 465,122.

To all whom it may concern:

Be it known that I, FERDINAND KULHAWY, a citizen of Poland, and a resident of West Hoboken, in the county of Hudson and State of New Jersey, have invented a new and Improved Safety Razor, of which the following is a full, clear, and exact description.

This invention relates to razors and refers more particularly to an improvement in safety razors of the double edge blade type.

One of the principal objects of the present invention resides in the provision of blade supporting and blade clamping members respectively formed at one edge thereof with guard teeth whereby in using the razor the blade edge will be disposed adjacent the face irrespective of the turning of the razor. In the present construction of razors of the type set forth the clamping member alone is provided with guard teeth at its opposite edges, which arrangement precludes turning of the razor over for using either edge of the blade on the same side of the face without removing the blade and turning the blade around relative to the blade holding and clamping members.

Another object and advantage of the present invention resides in the provision of a razor which is so constructed as to permit of the arrangement of the guard teeth on the same side to properly guard one edge of the blade whereby the same may be used for cutting hair, while the other edge of the blade is exposed for stropping.

A further object and advantage resides in the provision of a safety razor which is of comparatively simple construction, inexpensive to manufacture, and highly efficient in its purpose.

With the above recited and other objects in view the invention resides in the novel construction, combination and arrangement of parts which will be set forth in the following specification, pointed out in the appended claims and illustrated in the accompanying drawing, in which—

Figure 1 is a plan view of the razor illustrating the arrangement of parts for shaving.

Fig. 2 is a transverse sectional view therethrough taken approximately on the line 2—2 of Fig. 1.

Fig. 3 is a plan view illustrating the arrangement of parts when the razor is to be used for cutting or trimming the hair or for the purpose of stropping the edge of the blade.

Fig. 4 is a transverse sectional view therethrough taken approximately on the line 4—4 of Fig. 3.

Fig. 5 is a plan view of the blade removed.

Referring to the drawings by characters of reference, 10 designates a handle provided at one extremity with a finger receiving ring 11 and having at its opposite extremity a blade supporting member 12. It is, of course, to be understood that in lieu of the ring 11 the handle may be pivoted to the common form of a housing handle of the usual type. The blade supporting member 12 is formed at one side with a plurality of guard teeth 13 and is provided with longitudinally spaced keyhole openings 14. A blade clamping member 15 which coacts with the blade supporting member 12, is of substantially the same configuration and is provided with guard teeth 16 at one of the side edges thereof. The clamping member is provided with longitudinally spaced upstanding lugs 17 corresponding to the keyhole slots 14 in the supporting member. The lugs are provided with heads 18 which are designed to coact and engage with the restricted end of the keyhole slot for the purpose of retaining the clamping member in clamping relation to the blade supporting member.

The blade 19 is provided with cutting edges 20 on its opposite sides and is further provided with longitudinally spaced centrally disposed apertures 21 which are designed to receive therethrough the lugs 17 of the clamping member. This construction permits of the association of the blade and clamping member with the supporting member to dispose the guard teeth 16 over the opposite edge of the blade from that edge with which the guard teeth 13 of the supporting member coact, or the arrangement of the clamping member with respect to the supporting member whereby one edge of the blade will be arranged between both sets of guard teeth with the opposite edge freely exposed beyond the plain edges of the members. The members are associated or disassociated by relative longitudinal movements to bring the heads 18 in registry with

the larger ends of the keyhole slots and when disengaged the blade may be readily removed or applied to the clamping member by arranging the apertures 21 thereover.

When the members are associated to arrange both sets of guard teeth over one edge of the blade as illustrated in Figs. 3 and 4 the guarded cutting edge of the blade may be employed for cutting or trimming the hair. The opposite edge which is freely exposed may be readily stropped on the usual form of razor strops.

The arrangement of the members to dispose the guard teeth respectively over the opposite edges of the blade permits the turning of the razor over while in use to bring either cutting edge into contact with the face without removing the blade and clamping member and rearranging the same.

While there has been illustrated and described a single and preferred embodiment of the invention, it is to be understood that the right is reserved to other embodiments and modifications which properly fall within the scope of the appended claims.

Having thus described my invention, what I claim is:

1. A device of the character set forth including in combination a blade having cutting edges at its opposite sides and a holder therefor which comprises a pair of guard members each having guard teeth at one edge and between which members the blade is adapted to be arranged, interengageable means on said guard members for associating the same with each other to dispose the guard teeth on opposite sides of one of the cutting edges of the blade to provide a hair trimmer, or for reversing the arrangement and holding said members reversed to dispose the guard teeth respectively at one side of each of the cutting edges of the blade to constitute a double edged safety razor.

2. In a device of the character described, the combination with a blade having cutting edges at its opposite sides, of a holder therefor comprising a supporting element having guard teeth at one edge and provided with keyhole slots, a guard member having teeth at one edge and provided with headed studs adapted for insertion and longitudinal sliding movement in the keyhole slots of the supporting member for clamping the latter to the former with the blade interposed therebetween, the said guard member being capable of reversible connection with the supporting member whereby the guard teeth of said members may be arranged to protrude from one side or opposite sides, as and for the purpose specified.

FERDINAND KULHAWY.