Dec. 5, 1933. M. APOSTOLL 1,938,477

SAFETY RAZOR

Filed Oct. 25, 1932

Fig. 1.

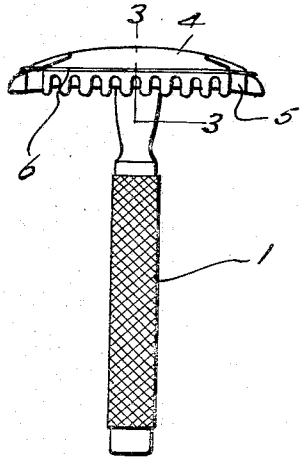


Fig. 2.

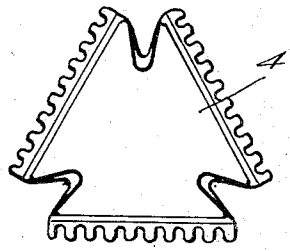


Fig. 4.

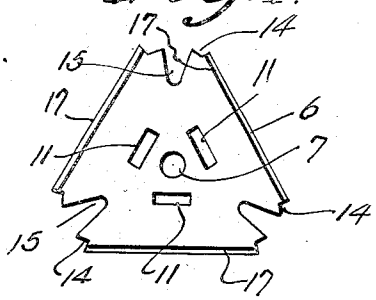


Fig. 6.

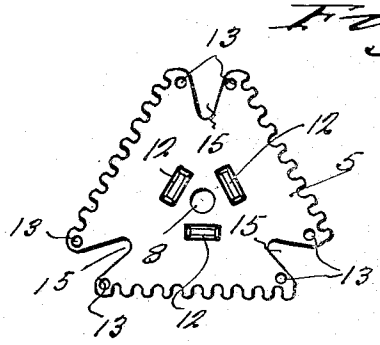


Fig. 5.

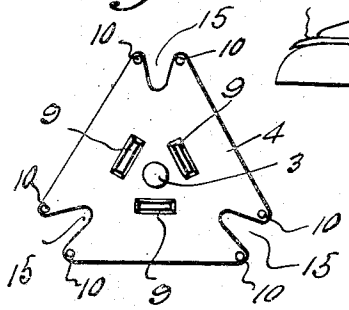


Fig. 3.

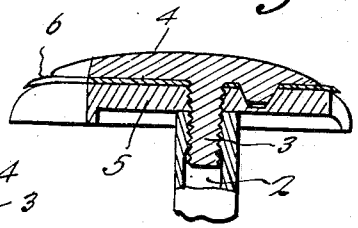
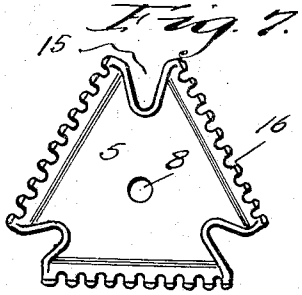


Fig. 7.



Inventor

Michael Apostoll

By Clarence A. O'Brien

Attorney

Patented Dec. 5, 1933 1,938,477

UNITED STATES PATENT OFFICE

1,938,477

SAFETY RAZOR

Michael Apostoll, Detroit, Mich.

Application October 25, 1932. Serial No. 639,471

1 Claim. (Cl. 30—12)

This invention relates to a safety razor provided with a plurality of cutting sides, the general object of the invention being to provide means whereby the parts can be easily and quickly assembled and disassembled, with means for firmly holding the blade in position when the parts are assembled.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts to be hereinafter fully described, illustrated in the accompanying drawing and specifically pointed out in the appended claim.

In describing the invention in detail reference will be had to the accompanying drawing wherein like characters denote like or corresponding parts throughout the several views, and in view:—

Figure 1 is an elevation of the razor.

Fig. 2 is a top plan view.

Fig. 3 is a section on line 3—3 of Fig. 1.

Fig. 4 is a view of the blade.

Fig. 5 is a bottom view of the top member.

Fig. 6 is a top plan view of the lower member.

Fig. 7 is a bottom view of said lower member.

In the drawing, the numeral 1 indicates the handle which is formed with a threaded socket 2 at one end thereof for receiving the threaded projection 3 of the top member 4. The lower member is shown at 5 and the blade at 6, the blade having a hole 7 therein and the member 5 having a hole 8 therein through which the projection 3 passes. The member 4 is formed with the elongated lugs 9 on its bottom face, which are preferably arranged around the projection 3 as shown in Fig. 5 and with the pins 10 adjacent certain parts of its edge portion and the lugs 9 pass through slots 11 formed in the blade 6 and engage recesses of elongated shape, shown at 12, in the lower member 5 in the top face of said lower member. Said member 5 also is formed with the holes 13 for receiving the pins 10 and the blade is formed with the notches 14 through which the pins 10 pass. The blade and the members 4 and 5 are of substantially triangular shape as shown with the recesses or indentations 15 at the corners which separate the straight edges of the parts as shown. These recesses or notches 15 in the blade permit the cutting edges of the blade to slightly bend as it is clamped between the upper and lower members, as shown in Figure 3, and the notches in the upper and lower members facilitate shaping of the straight edges of the members in the manufacture of the device. These recesses or notches 15 in the blade and the upper and lower members eliminate sharp corners in the razor and permit shaving close to the ears and underside of the nose, without danger of cutting or scratching the face or said ears and nose, as would be liable to happen if the corners were present.

The bottom member 5 is formed with the teeth 16 on its straight edges for forming the guards and the top member 4 is of less area than the blade and the member 5 and has its upper face rounded as shown. Of course the blade is provided with the three cutting edges 17 and when the parts are placed together as shown in Fig. 3, they assume the relationship shown in said figure, with the lugs 9 passing through the slots 11 in the blade into the recesses 12 in the lower member and with the pins 10 passing through the notches 14 in the blade into the holes 13 in the lower member. Thus the parts are firmly connected together, and there is no danger of them shifting, even though the handle is not threaded tight on the projection 3 with its end bearing against the under face of the member 5.

It is thought from the foregoing description that the advantages and novel features of the invention will be readily apparent.

It is to be understood that changes may be made in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claim.

Having thus described my invention, what I claim as new is:—

A safety razor of the class described comprising upper and lower members and a blade, all of triangular shape and each having a deep notch in each corner thereof to eliminate sharp corners, the blade and lower member each having a centrally arranged hole therein, a threaded stud depending from the central part of the inner face of the upper member, a handle having a threaded socket for receiving the stud after the same has passed through the holes in the blade and lower member, said blade having elongated openings therein arranged around the hole and adjacent said hole, and a pair of shallow notches in each corner thereof, one arranged on each side of a deep notch, the lower member having elongated recesses in its inner face registering with the elongated openings in the blade when the blade is placed between the two members, elongated projections on the inner face of the upper member for passing through the elongated openings in the blade into the recesses of the lower member, said projections being of wedge shape

in cross section and said recesses of the lower member being of a corresponding shape, said lower member having a pair of small holes in each corner thereof arranged one on each side of a notch, a plurality of pairs of pins on the inner face of the upper member, pairs of these pins being arranged in each corner of the upper member, one on one side of the notch and the other on the opposite side thereof, said pins passing through the shallow notches in the blade into the small holes in the lower member, said lower member having guard teeth on each of its three sides and the upper member being of less area than the blade.

MICHAEL APOSTOLL.