

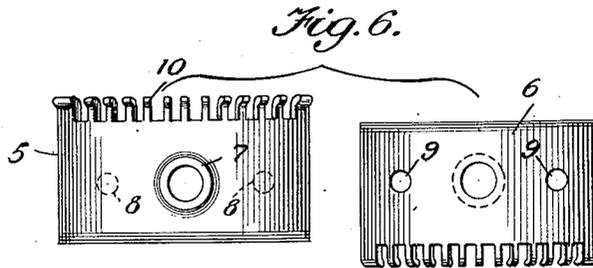
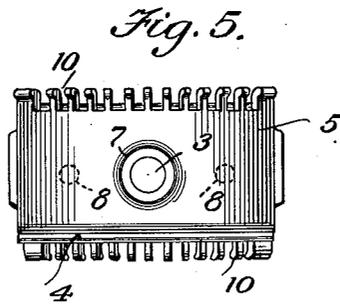
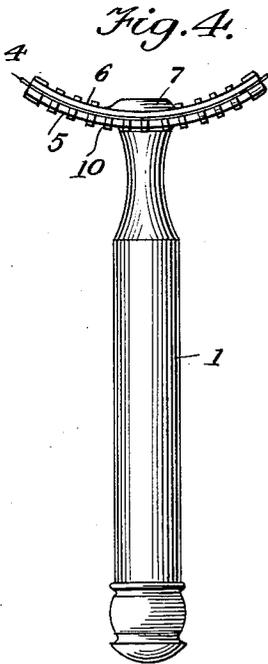
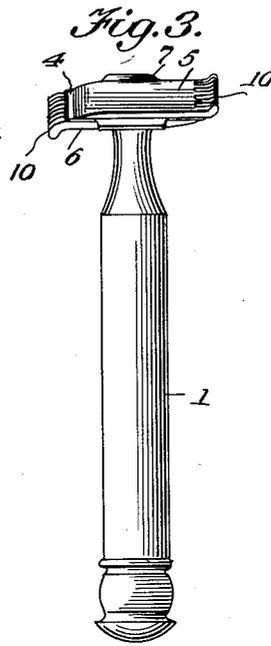
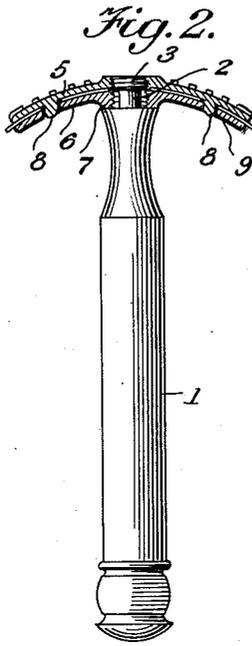
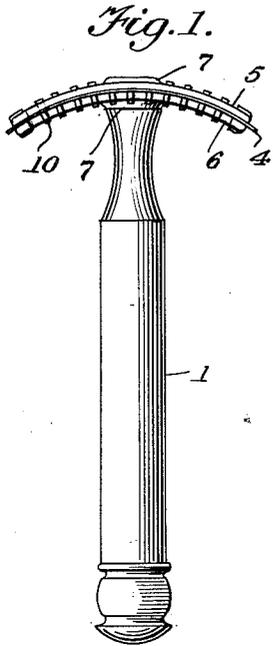
Sept. 1, 1931.

J. M. ZUMWALT

1,821,825

SAFETY RAZOR

Filed Jan. 10, 1931



James M. Zumwalt
INVENTOR

BY *Victor J. Evans*
and *C. R. Evans* ATTORNEYS

UNITED STATES PATENT OFFICE

JAMES M. ZUMWALT, OF MIAMI, FLORIDA

SAFETY RAZOR

Application filed January 10, 1931. Serial No. 507,942.

This invention relates to a safety razor, the general object of the invention being to provide means whereby the blade of the razor can be supported or held in either a convex position or a concaved position so that the razor can be used for shaving convex portions of the body when in concaved position, and the razor can be used for shaving concaved portions or hollows in the body when the blade is in convex position. Thus the razor can be used for shaving hair off the arms, legs and other rounded portions of the body when in concaved position and for shaving hair from the armpits and the like when in convex position.

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 drawings and specifically pointed out in the appended claims.

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

Figure 1 is a view of the invention with the blade and supporting parts in convex position.

Figure 2 is a similar view but showing the blade and the supporting means in section.

Figure 3 is an edge view.

Figure 4 is a view similar to Figure 1, but showing the blade and the supporting means in concaved position.

Figure 5 is a plan view.

Figure 6 is a view of the two supporting members separated.

In these views, the numeral 1 indicates the handle of the razor which is formed with a reduced part 2 having its outer part threaded, as shown at 3, and its inner part plain. The blade is shown at 4 and the supporting members are shown at 5 and 6. Each member is formed with a central enlargement 7 on its outer face which has a threaded opening therein for receiving the threaded part of the portion 2 of the handle. The thread-

ed part 3 is larger than the plain part so that the member which engages the shoulder formed by the junction of the reduced part with the main part of the handle will be held firmly against the shoulder when the threaded part 3 is screwed home in the threaded hole of the other member.

Each member is of concavo-convex shape, with the member 5 having projections 8 thereon for engaging holes 9 in the member 6. One edge of each of the members 5 and 6 is formed with the slightly curved fingers 10 and the other edge is slightly beveled and the parts are so arranged that when the two members are connected with the handle, the fingers of one member will project beyond the beveled edge of the other member so as to expose the cutting edge of the blade and the fingers are so formed that hair and other matter can pass between the cutting edge of the blade and the fingers when the device is in use. Thus by placing the member 5 against the shoulder of the handle and the member 6 on the member 5, with the blade between the members, the blade is held in concaved position, as shown in Figure 4, so that it can be used for shaving rounded surfaces, such as the arms and legs. By reversing the parts, as shown in Figures 1 and 2, the blade is held in convex position so that the razor can be used for shaving the armpits and other hollow places.

The blade, of course, is formed with a central opening and a pair of openings adjacent its ends in the usual manner so that the projections 8 and the reduced part 2 can pass through such openings. The projections 8 are so formed as to hold the blade in an arc when the blade is placed on 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 claims.

What I claim is:—

1. A razor of the class described compris-

90

95

100

ing a handle part, a pair of blade supporting members, each of concavo-convex shape for holding a blade placed between them in an arc, means for detachably connecting the supporting members to the handle whereby the members can be attached to the handle with either member innermost to support the blade in a convex manner or in a concaved manner.

10 2. A razor of the class described comprising a handle part, a pair of blade supporting members, each of concavo-convex shape for holding a blade placed between them in an arc, means for detachably connecting the
15 supporting members to the handle whereby the members can be attached to the handle with either member innermost to support the blade in a convex manner or in a concaved manner, each member having fingers
20 at one edge thereof and its other edge beveled.

3. A razor of the class described comprising a handle part, a pair of blade supporting members, each of concavo-convex shape
25 for holding a blade placed between them in an arc, means for detachably connecting the supporting members to the handle whereby the members can be attached to the handle with either member innermost to support
30 the blade in a convex manner or in a concaved manner, each member having fingers at one edge thereof and its other edge beveled, said fingers being curved outwardly to slightly space them from the cutting edge
35 of the blade.

In testimony whereof I affix my signature.
JAMES M. ZUMWALT.

40

45

50

55

60

65