

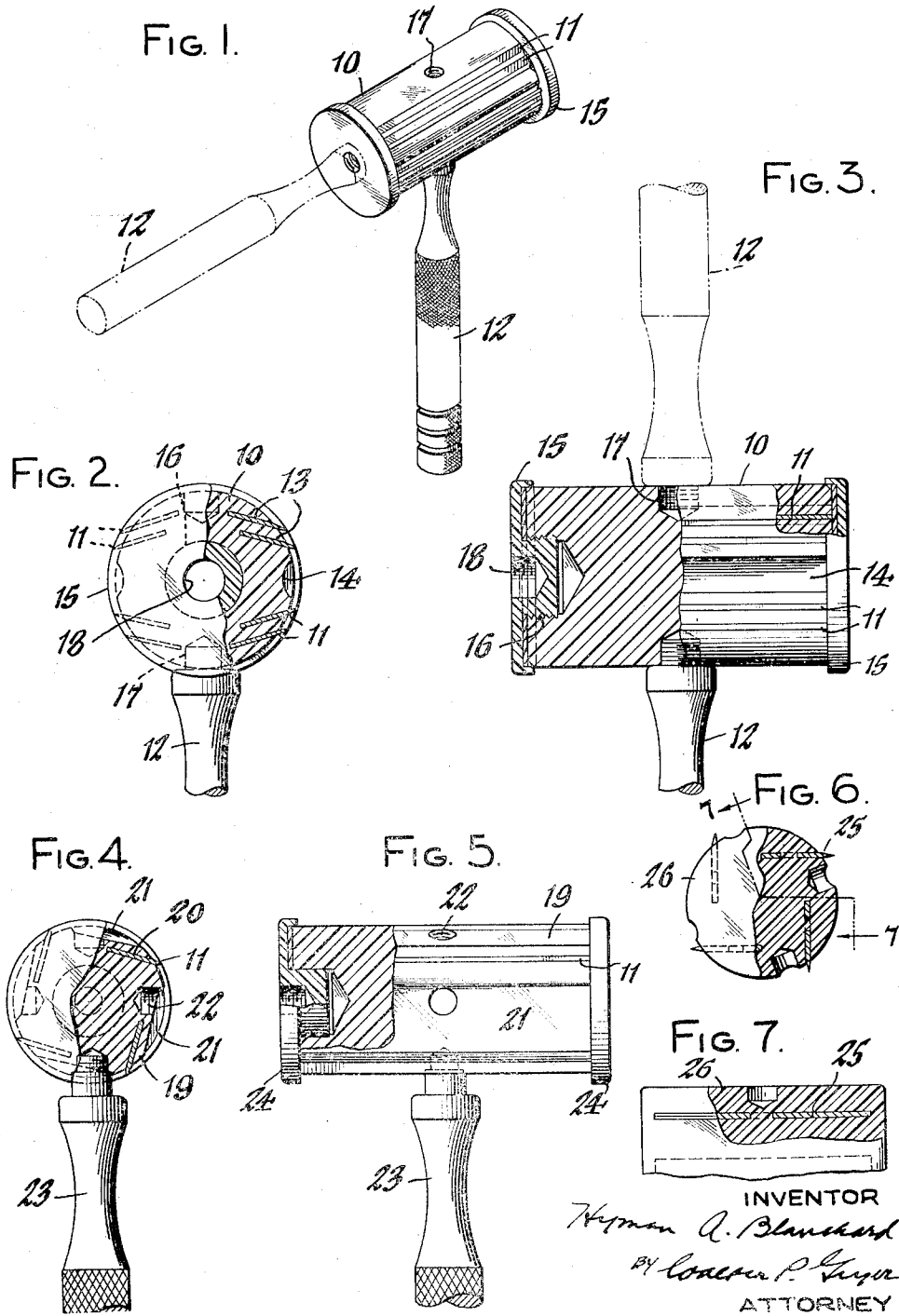
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RAZOR

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RAZOR

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3 Claims. (Cl. 30-40)

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This invention relates to certain new and useful improvements in razors.

It has for one of its objects to provide a multi-bladed razor having a self-contained blade holder or head which is so designed that the user may readily by shifting it to one or more positions, selectively present different cutting edges for shaving, and which is so constructed that, after the several cutting edges have been used and are no longer keen and sharp, the holder with its blades is disposed of as a unit, thereby eliminating the time-consuming task of removing and inserting blades.

Another object of the invention is to provide a simple, compact and inexpensive razor of this character which consists of a blade holder or magazine and handle with the parts so designed that the handle is detachably connected to the holder to assume one or more different radial or axial positions relative to the holder, and wherein the blades, after assembly on the holder at the factory are not disturbed or adjusted or replaced by the user but when used up is replaced with a new and fresh blade-holder for attachment to the same handle.

Other features of the invention reside in the construction and arrangement of parts herein-after described and particularly pointed out in the appended claims.

In the accompanying drawings—

Figure 1 is a perspective view of the improved razor embodying my invention. Figure 2 is an enlarged, fragmentary end view thereof, partly in section. Figure 3 is an enlarged fragmentary side view thereof, partly in section. Figure 4 is a sectional end view, similar to Figure 2, showing a modified form of the invention. Figure 5 is a sectional side view thereof. Figure 6 is a sectional end view of another modification. Figure 7 is a fragmentary sectional side view thereof, taken in the plane of line 7-7, Figure 6.

Similar characters of reference indicate corresponding parts throughout the several views.

In the embodiment of the invention shown in Figures 1, 2 and 3, 10 indicates the blade holder or magazine-body for receiving and supporting a plurality of blades 11 in permanent relation thereto so that the holder and blades are a self-contained unit, and 12 indicates a handle which is adapted to be detachably connected to the magazine at different radial points thereof for selectively positioning the razor in different blade-use positions, so that as a given blade becomes dull the user merely changes the position of the handle to present another blade to a showing posi-

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tion. As shown by dotted lines in Figure 1, the handle may also be positioned axially of the magazine to effect the use of the razor in a manner simulating that of the straight razor.

The blade holder or magazine 10 is preferably cylindrical in shape and made of a light metal or plastic material and cut, molded or otherwise formed in its surface are a plurality of substantially tangential slots or grooves 13 extending lengthwise of the magazine from end to end thereof to receive companion blades. By preference, the slots are paired or arranged in sets of two at each shaving position, as shown in Figure 2, wherein four different shaving positions are depicted and with the two blades at each position being in juxtaposition and in parallel relation so that turn cutting edges are provided at each position for simultaneous presentation to the beard of the user. Viewing Figure 2, the two sets of blades at each diametrically opposite side of the vertical axis of the magazine-body converge outwardly or toward each other, and disposed in the surface of such body between these converging sets of blades are shallow longitudinal recesses or grooves 14 in which the lather and beard particles may collect during the shaving operation, and with that edge or marginal portion of the recess adjoining the blade in use serving as a guard. It will be noted that the cutting edges of the blades project slightly beyond the surface of the magazine and the blades are fixedly secured in their slots by a press fit or otherwise, it being understood that they are properly set in the magazine at the factory and are not intended to be adjustable or detachable. The ends of the magazine and their blades may be closed by caps 15 which are screwed or otherwise fitted in openings 16 formed in the ends of the magazine.

The magazine-body 10 is provided in its top and bottom sides and centrally thereof, viewing Figures 1 and 2, with radially-tapped holes or sockets 17 for detachably receiving the threaded end of the handle 12 in one or the other of two radial positions for normal use of the razor, while the end caps 15 have axially-tapped holes or sockets 18 therein for receiving the handle in endwise relation should the user desire to use the razor in that manner. When the handle is placed in the full line position shown in Figures 1, 2 and 3, the blades 11 in the upper side of the magazine are useable by presenting one set or the other set of such blades to the face, it being only necessary to turn or twist the razor as a unit about the handle as an axis for this purpose. When it is desired to use the blades in the lower

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side of the magazine, then the handle is removed and inserted in the companion hole 17 in the upper side of the magazine. When all the blades have served their purpose and become dull, the magazine is disposed of and a new one substituted therefor, utilizing the same handle.

In the form of the invention shown in Figures 4 and 5, the magazine body 19 has four equally-spaced, tangential slots 20 therein to receive a companion blade 11. In the face of the body between its blade-slots it has flattened portions 21 which form collecting recesses for the lather during shaving. Also formed between its blade-slots the magazine has radially-tapped openings 22 to receive the handle 23 in one or another of them depending upon the particular blade that is intended to be used. In this form of the invention, the handle is changed for each operating blade position. As in the previously described construction, caps 24 are provided at the ends of the magazine.

In the modification shown in Figures 6 and 7, the blades 25 are molded directly into the magazine body 26 and enclosed at their ends thereby.

While manifestly simple, compact and inexpensive in construction, this razor is easy to use, and its blades are always in a set position for use, requiring only a re-positioning of the handle relative to the magazine to present that blade or set of blades for instantaneous operation. Furthermore, when all the blades have been used up or dulled, the magazine is thrown away and a new one employed, and this self-contained blade assembly reduces the effort and chore as well as the time element of shaving to a minimum because there is no changing of blades or other acts such as are required in the use of safety razors now on the market.

I claim as my invention:

1. A razor of the character described, comprising a cylindrical magazine body having a plurality of blades secured thereto with their cutting edges exposed at the surface of such body for selective use and having a plurality of openings therein, some of the openings being disposed radially and others axially of said body, and a handle for detachable engagement with one or another of said openings.

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2. A razor of the character described, comprising a cylindrical body having a plurality of sets of blades secured thereto in substantially tangential relation to the peripheral surface thereof and with their cutting edges coextensive with and exposed at the surface of such body, each set of blades constituting one of a plurality of selective shaving stations and consisting of two blades disposed in substantially close parallel relation, said body having a plurality of handle-engaging elements thereon in predetermined relation to said sets of blades, and a handle for detachable engagement with one or another of said elements to assume an operative shaving position companion to a selected set of blades.

3. A razor of the character described, comprising a cylindrical body having a plurality of sets of blades secured thereto in substantially tangential relation to the peripheral surface thereof and with their cutting edges coextensive with and exposed at the surface of such body, each set of blades constituting one of a plurality of selective shaving stations and consisting of two blades disposed in substantially close parallel relation, certain sets of blades being disposed at one side of said body and converging outwardly and the remaining sets of blades being disposed at the diametrically opposite side of said body and likewise converging outwardly, said body having depressions in the surface thereof between adjoining sets of blades and in parallel relation thereto and openings disposed radially in those diametrically opposite sides of the body at right angles to said depressions, and a handle for detachable engagement with one or another of said openings.

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