Aug. 20, 1929. J. SCHICK 1,724,970

SAFETY RAZOR

Original Filed Feb. 3, 1926

Fig. 1

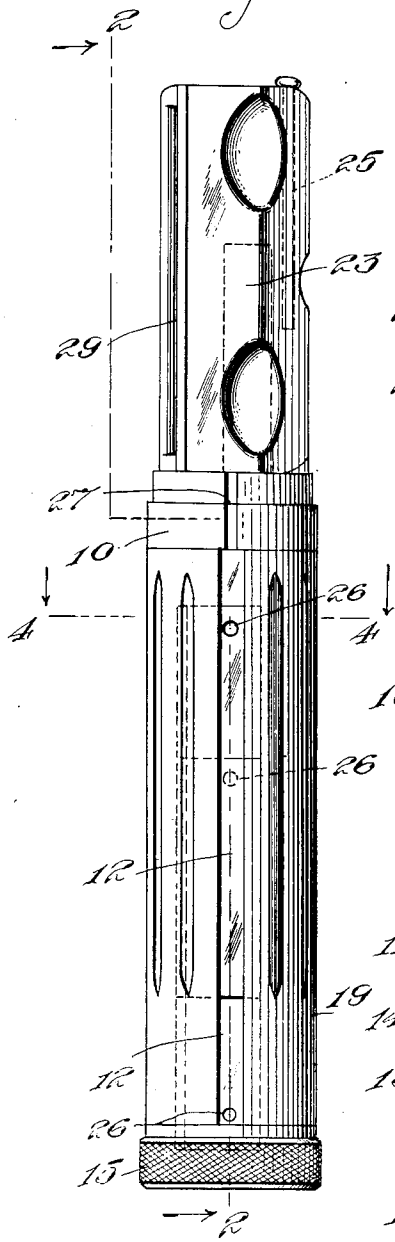


Fig. 2



Fig. 5

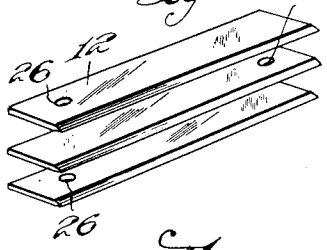


Fig. 3

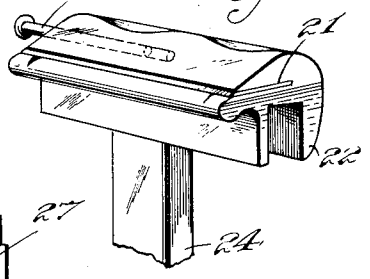


Fig. 6

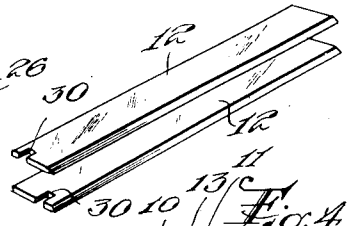
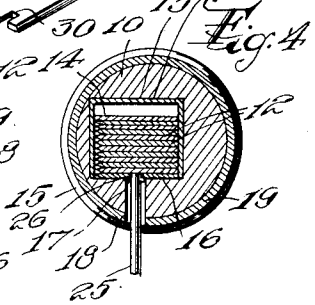


Fig. 4



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UNITED STATES PATENT OFFICE.

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SAFETY RAZOR.

Application filed February 3, 1926, Serial No. 85,634. Renewed December 12, 1928.

This invention relates to an improved razor of the type that employs a stack of blades which blades are held so that they can be fed from the stack.

The feeding can be arranged so that each blade in succession can be handled and placed in position for shaving but the preferred construction is one in which the blade is slid directly from the stack into the guard.

The present invention is designed to provide a holder which is usually the handle of the razor and arrange the blades so that they can be fed by a suitable tool such as a pin into position in the guard. The feeding of the blades is made more convenient by disposing the blades in the stack so that the engagement of only one of them, even though the blades may be thin, is simple and more than one blade is not picked up so that no jamming of the blades in the razor is probable.

The invention is illustrated in the accompanying drawing in which Figure 1 is a side view of a razor made according to my invention and Figure 2 is a section on line 2—2 in Figure 1. Figure 3 is a perspective view of the guard of the razor illustrated and Figure 4 is a section on line 4—4 in Figure 1. Figure 5 is a perspective view of several of the blades shown separated. Figure 6 is a similar view of blades of a modified form.

The razor comprises a holder for a stack of blades and in the drawing this comprises a handle 10 which is provided with a recess 11 in which the stack of blades 12 is inserted. The stack of blades for convenience in handling is usually placed in a clip 13 in the form of a thin, sheet-metal box with an open top and provided at the bottom with a spring 14 to normally press the blades toward the top of the clip.

When the stack of blades is in position as shown in Figures 1 and 2, a suitable closure such as the cap 15 is used for sealing the end of the handle and also holding the clip blades in position. The blades are limited in their outward movement by the wall 16 which has a slot 17 and this slot can be aligned with a slot 18 of the rotatable tight-fitting sleeve 18 which surrounds part of the handle.

It will thus be evident that when the sleeve 19 is turned so that the slots 17 and 18 are not in register the blades are concealed and protected. When, however, the slots 17 and 18 are in register the blades are accessible, that is, the top blade is accessible and when a suitable tool is used for pushing it, it can be removed from the stack and projected through the slot 20 into the slot 21 of the guard 22 which is pivotally mounted as at 23 on the post 24 which projects from the end of the handle 10.

In order to provide a tool which is always handy for use, I arrange a pin 25 which is normally carried in an opening or bore arranged in the guard as will be seen from Figures 1 and 3. The end of the pin is used to engage the blades successively, the blades in turn are arranged so that only one at a time is fed in the stack. They may be arranged as shown in Figures 1, 2, and 5 in which the blades 12 are shown as provided with openings 26 which are not in register on adjacent blades, this being brought about in the form illustrated by having the hole 26 arranged near one end of the blade, that is, away from the center and then having every other blade turned over so that the top-most blade, when engaged by the pin 25 in the opening 26, is the only blade that will move because the next lower blade acts as a stop by the insertion of the pin. A blade thus engaged is slid up as shown in Figure 2 until the pin is stopped by its coming in contact with the edge 27 of the guard and then the pin 25 can be shifted to engage the bottom edge 28 of the blade and push it up until the blade is completely in the slot 21 in the guard 22 as shown at 29 in Figure 1. It will be readily understood that when the next blade is operated it acts to eject the blade that is in the guard.

In a modified form of blade as shown in Figure 6, the openings can be in the form of notches 30 arranged in one end of the stack, the notches being disposed, of course, at the end farthest away from the guard, these notches on adjacent blades not being co-incident with each other by reason of their being arranged on opposite sides of the longitudinal center of the blades.

I claim:

1. A razor comprising a handle and a guard, a stack of blades in the handle, the handle and guard having aligned openings for the passage of a blade from the stack into the guard, and means on the handle for uncovering the stack so that the top-most blade is accessible and can be slid from the stack to the guard.

2. A razor comprising a handle and a guard, a stack of blades in the handle, the handle and guard having aligned openings for the passage of a blade from the stack into the guard, and a sleeve rotatable on the handle and having a slot so that when the slot is over the stack the stack is uncovered and the top-most blade is accessible and can be slid from the stack into the guard.

3. A razor comprising a handle and a guard, a stack of blades in the handle and means for uncovering the stack so that the top blade is accessible and can be ejected from the handle into the guard.

4. A holder for razor blades, a stack of blades in the holder, the blades having openings disposed so that the openings in adjacent blades are not in register whereby the opening in only the top blade can be engaged for ejection of the blade.

5. A holder for razor blades comprising a casing having a recess and a slit, a stack of blades in the recess and arranged so that the top blade can be fed from the stack through the slit, the blades having openings and arranged so that in the adjacent blades the openings are not co-incident with each other, whereby only the top blade can be engaged for its ejection.

6. A razor comprising a holder, a guard, a stack of blades in the holder, a tool for engaging the blade to be fed from the stack, and a socket in the razor for holding the tool when not in use.

In testimony whereof I affix my signature.

JACOB SCHICK.