Feb. 11, 1936. L. K. KUHNL 2,030,703

RAZOR

Filed July 20, 1933

Fig. 1

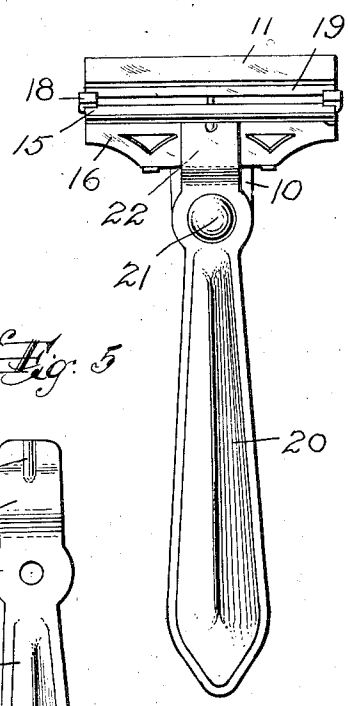


Fig. 2

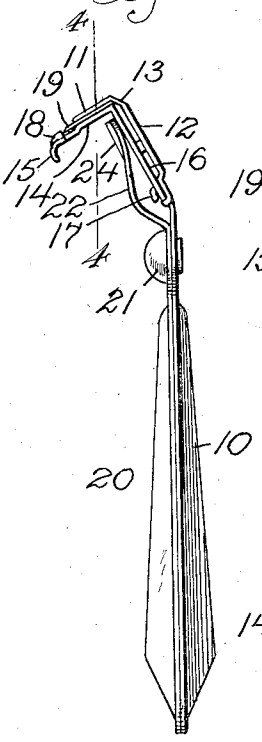


Fig. 3

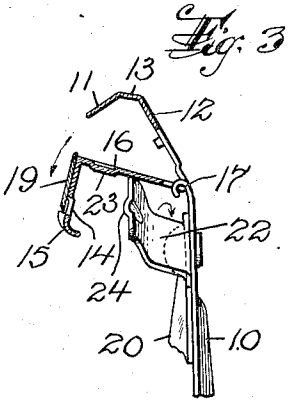


Fig. 5

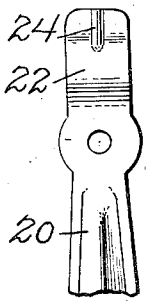
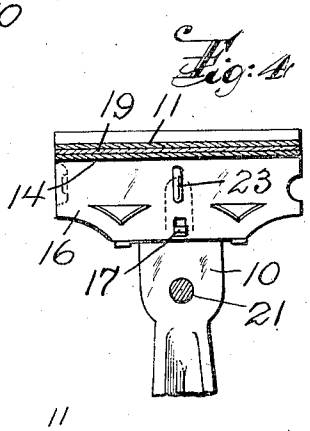


Fig. 4



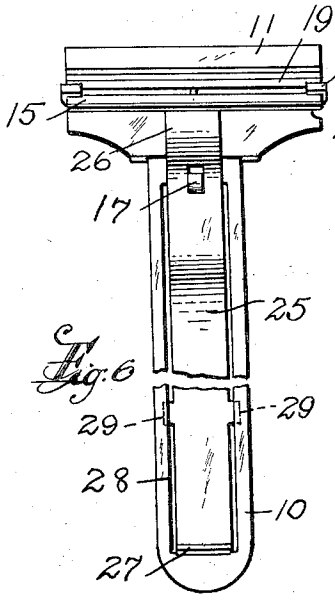


Fig. 6

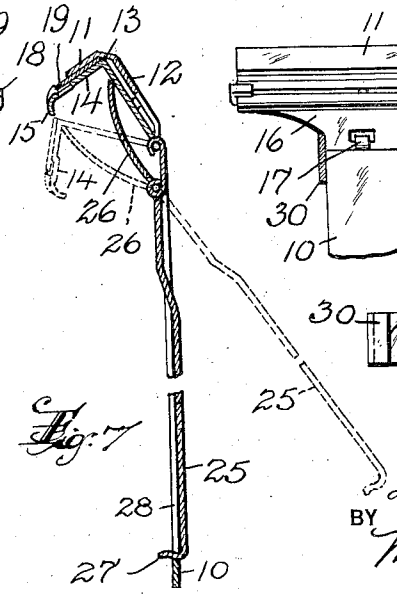


Fig. 7

Fig. 8

Fig. 9

Fig. 10

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RAZOR

Leopold K. Kuhnl, Bridgeport, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y., a corporation of New Jersey

Application July 20, 1933, Serial No. 681,237

1 Claim. (Cl. 30—51)

This invention relates to an improved safety razor which is designed to be easily and quickly supplied with a blade and in turn just as easily deprived of a blade.

The object of the invention is to provide a razor which can be fully opened for the purpose of cleaning it and flushing it and which has a minimum number of parts which makes it easy to keep it clean.

Furthermore, the construction is light thus making a razor with little weight and one readily adapted for manufacture from sheet metal.

Another feature is the absence of spring catches and the like for securing a blade in place and having no parts that are removable and apt to be lost.

The invention is illustrated in the accompanying drawing in which Figure 1 is a front view of a razor embodying my invention. Figure 2 is a side view of the razor shown in Figure 1. Figure 3 is a central section of the upper part of the razor shown in Figures 1 and 2 with a movable part of the handle shown in elevation and also showing the blade platform dropped to release the blade. Figure 4 is a section on line 4—4 in Figure 2 with the movable part of the handle removed. Figure 5 is a face view of the upper part of the movable part of the handle. Figure 6 is a face view and Figure 7 is a section of a razor of a modified form but embodying the principle of the invention. Figure 8 is a face view of the upper part of a razor of a modified form and showing a holding sleeve in section. Figure 9 is a cross-section of the device shown in Figure 8. Figure 10 is a face view of the slide shown in Figures 8 and 9.

In the razor shown in Figures 1 to 5 the handle 10 is provided with forwardly extending top plate 11 to which it is fixed. The top plate is at the top of an inclined part 12 of the handle. The corner 13 is situated at a point to form a blade stop for the back of the blade. The angular arrangements are such as to give the blade the proper angle relative to the handle to provide for a comfortable shave.

The blade platform 14 is provided with a guard 15 and an angular extension 16 which is hinged at 17 to the part 12 of the handle. The blade platform has blade stops 18 at the ends of the guards. The stops 18 are adapted to engage the front corners of the blade and are also disposed to hold the blade when the abutment 13 engages the back end of the blade when in shaving position. The axis of the hinge 17 is parallel with the front edge of the blade platform 14, which causes the blade platform to fall forwardly when released thus opening the razor for easy cleaning. The blade 19 is easily placed on or removed from the blade platform when it is in open position as shown in Figure 3.

Means are provided for holding the blade platform in position. The preferred construction includes a movable part on the handle such as the part 20 which can be made a counterpart of the lower end of handle 10. The part 20 is pivoted at 21 and forms a lever on the handle 10, movable laterally to control the position of the blade platform. The upper end 22 of the lever 20, beyond the pivotal pin 21 bears on the extension 16 of the blade platform and when the parts 10 and 20 are in register to form the handle of the razor the upper part 22 of the lever holds the blade platform up which presses the blade against the top plate 11 and against the rear abutment 13. Suitable means such as the teat 23 on the extension 16 and a recessed part 24 on the top part 22 of the lever form co-acting means for yieldingly holding the movable part of the handle in normal position. It will thus be evident that the upper part 22 of the lever exerts a cam action on the blade platform and its extension thus controlling the position of the blade platform. The dropping of the blade platform makes it easy to flush and wash the razor and also to install or remove blades.

In Figures 6 and 7, I show a modification in which the handle 10 is provided with a lever 25 which swings from front to rear instead of laterally and has an upward extension 26 to engage the blade platform 14. The latch 27 engages the bottom edge of the slot 28 in the fixed part of the handle 10 and ears 29 can be provided to limit the forward movement of the lower part of the lever 25.

In Figures 8, 9, and 10, I show the levers of the previous showing replaced by a sleeve 30 which is slidable on the handle and on the lower part of the extension 16 which is made narrow enough at the bottom to receive the slide. The slide 30 is opened as at 31 to allow it to pass beyond the hinge 17. When the slide 30 is slid down the blade platform drops and when the slide 30 is slid up the blade platform is forced and held in position to clamp the blade 19 for shaving.

Various changes can be made in the form and proportion of parts without departing from the scope of my invention.

I claim:—

A razor comprising two clamping members, one of said members including a blade platform with

stops on its front edge, the members being hinged together on an axis parallel with the front edge of the blade platform, the other of said members having means for engaging the top face of a blade, a handle portion fixed to that member that engages the top face, and a laterally movable lever normally aligned with the fixed member to form a complete handle, said movable lever being pivoted near its top to the fixed portion and having a spring extension for engaging the under side of the blade platform.

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