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3,131,806

RAZOR BLADE MAGAZINE ADAPTED TO DISPENSE A BLADE
ONTO THE BLADE SEAT OF A RAZOR

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2 Sheets-Sheet 1

FIG. 1

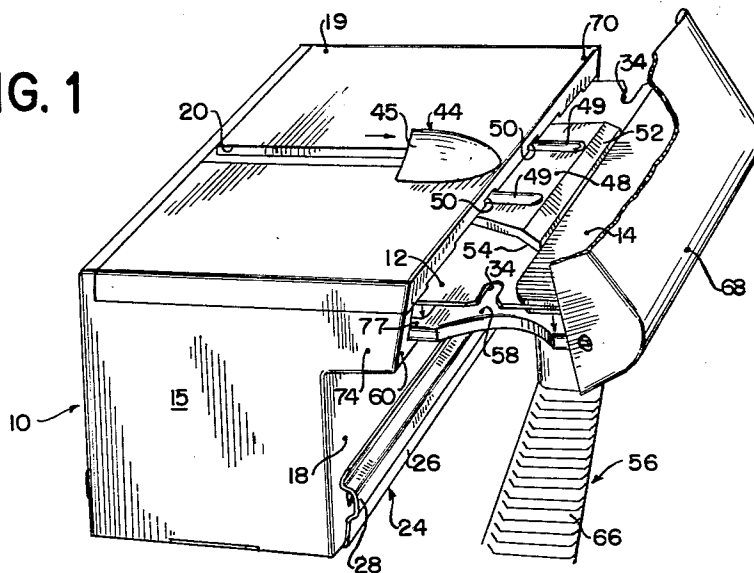
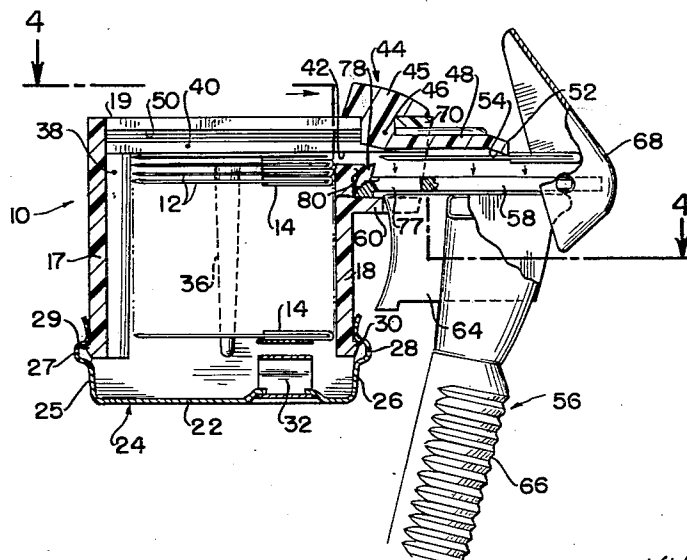


FIG. 2



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FIG. 3

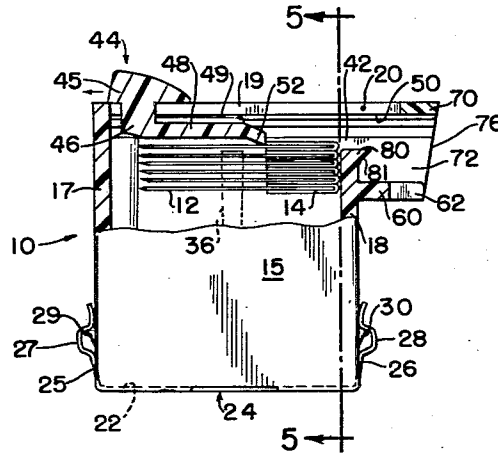


FIG. 4

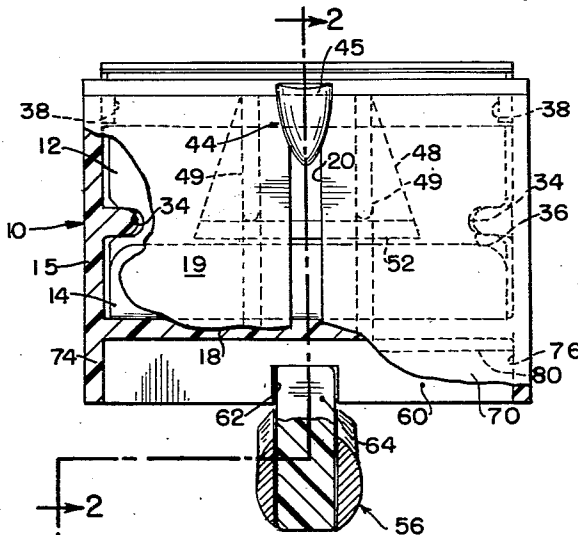
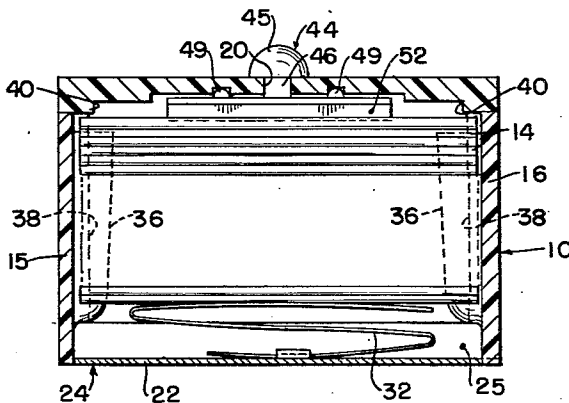


FIG. 5



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RAZOR BLADE MAGAZINE ADAPTED TO DISPENSE A BLADE ONTO THE BLADE SEAT OF A RAZOR

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2 Claims. (Cl. 206—16)

The common types of razor-blade dispensers divide themselves into two categories: (1) dispensers in which a blade must be transferred manually to a razor after it is dispensed; and (2) injector dispensers in which the dispenser is so firmly associated with a razor that extra effort is required both to so associate it and to remove it. Other less common types have required the manual lifting of a razor cap from the razor before the dispensing of a blade and the manual replacement thereof after the blade is in place on the blade seat.

With the foregoing and other considerations in view, the present invention in certain of its aspects contemplates the provision of means whereby a razor may be easily and simply associated with a dispenser to receive a blade therefrom and then easily and simply disassociated there-with.

In other of its aspects, the invention contemplates the provision of means whereby a reinforced single-edge blade may be dispensed onto the blade seat of a razor, and, more specifically, so dispensed with its reinforced edge foremost.

In various of its more specific aspects, moreover, the invention contemplates the provision of a simple but effective means for supporting and/or centering a blade seat in association with a dispenser.

The invention accordingly comprises the features of construction, combinations of elements, and arrangement of parts, which will be exemplified in the constructions hereinafter set forth and the scope of the application of which will be indicated in the claims.

For a fuller understanding of the nature and objects of the invention, reference should be had to the following detailed description taken in connection with the accompanying drawings, in which:

FIGURE 1 is a perspective view of a dispenser embodying the invention, and of a dispenser-razor combination illustrating the dispensing of a blade;

FIG. 2 is a transverse sectional view thereof;

FIG. 3 is an end view, partly in transverse section, of the dispenser with the dispensing means in retracted position;

FIG. 4 is a partly sectional view on the line 4—4 of FIG. 2; and

FIG. 5 is a longitudinal sectional on the line 5—5 of FIG. 3.

In the exemplified embodiment of the invention, there is provided a dispenser 10 for single-edge blades 12 of the type having reinforcements 14 at their unsharpened edges. The dispenser is formed with end walls 15 and 16, side members 17 and 18, and a top wall 19 having a laterally-extending slot 20 therein. It is also formed with a bottom wall 22 which, in the present instance, forms part of a bent piece of spring metal 24 having upwardly-extending side portions 25 and 26 formed to provide channels 27 and 28 adapted to snap over lugs 29 and 30 on the side members 17 and 18, respectively.

A bent leaf spring 32 serves to press upwardly against the reinforcement 14 of the lowermost blade to press the blades 12 upwardly. The ends of the blades are notched at 34 in the usual manner, and ribs 36 are provided to maintain all the blades except the uppermost

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blade in alinement. Corner pieces 38, in line with only the end portions of the cutting edges of the blades, prevent the rearward movement of the uppermost blade. Laterally-extending corner pieces 40 limit the upward movement of the blades.

Near the upper portion of the side wall 18—in the present instance, above its upper edge and in line with an upper blade the reinforcing portion of which is pressed against the pieces 40—the dispenser is formed with a blade-exit slot 42. There is provided, in the present instance, a blade-dispensing slide 44 to eject the uppermost blade thru the slot 42. The slide 44 is formed with a head 45, a neck 46 which extends thru the slot 20, with a forwardly-extending portion 48 formed with upper guides 49 fitting into guide channels 50 in the top wall 19, and with a downwardly-extending forward end 52 adapted, when the slide is moved forwardly from a rearward position, to engage the reinforcement on the uppermost blade and to propel this blade forwardly. The end 52 of the slide is formed with a downwardly beveled lower surface 54. On the rearward movement of the slide, this surface 54 will engage the reinforced edge of the next succeeding blade and press the stack of blades downwardly against the pressure of spring 32 to permit the passage of the end 52 over said next-succeeding blade, until the end 52 reaches a position rearwardly of the reinforcement thereon.

In order that a razor, one form of which is shown at 56, may be held by one hand loosely in association with the dispenser while the latter is held in the other hand so that the blade seat at 58 of the razor will be in position to receive a blade directly from the dispenser, there is provided in a position spaced below the slot 42 (a distance sufficient so that no part of the razor will block the movement of a blade out of the slot 42), a ledge 60 extending forwardly from the front wall 18 to receive the blade seat 58 of the razor 56. This ledge, as exemplified, is formed with a longitudinal central notch 62 to receive a part of the razor, in the present instance a push-member 64 which, in the exemplified razor, is mounted for transverse movement in the razor handle 66 for closing the pivoted cover 68 of the razor after a blade has been disposed on the blade seat and the dispenser removed from association with the razor.

In the exemplified construction, the top wall 19 of the dispenser is extended forwardly at 70 to permit the slot 20 to extend forwardly; and to provide a blade-seat-receiving channel 72 the ends of which are formed by forward extensions 74 and 76 of the ends 15 and 16, respectively, of the dispenser.

As exemplified, the blade-seat 58 of the razor 56 is formed at its ends with the usual arms 77 carrying upwardly-extending lugs 78 which engage the ends of the cutting edge of the blade to fix its position on the blade seat; and, in order to assist in the accurate (tho loose) setting of the blade-seat on the ledge 60, there extends forwardly (a less distance than the ledge 60) a longitudinally-extending forward protuberance 80 adapted to overlie the same, the under side of this protuberance being beveled, as shown at 81, to conform roughly to the upwardly-curved contour of the lugs 78.

Since certain changes may be made in the above construction and different embodiments of the invention could be made without departing from the scope thereof, it is intended that all matter contained in the above description or shown in the accompanying drawings shall be interpreted as illustrative and not in a limiting sense.

The invention claimed is:

1. A razor-blade dispenser having top and bottom walls and generally vertical side and end walls to provide a container for a stack of blades, and formed with a blade-exit slot near the upper portion of one of said

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generally vertical walls and with a ledge extending outwardly from said upper portion on a plane spaced below said slot and on which the blade seat of a razor may rest, and providing a free space above said ledge and below said slot thru which the blade seat of a razor may be moved inwardly and downwardly to rest on said ledge for reception of a blade, and wherein said ledge is formed with a notch for the reception of a vertically-extending portion of a razor to center the same longitudinally of said slot.

2. A dispenser for single-edge razor blades which comprises a rectangular container, a stack of single-edge blades in said container with their cutting edges pointing toward one side of the container and with reinforced edge portions adjacent the other side of the container, a blade-exit slot near the upper end of said opposite side, spring means beneath said reinforced edge portions for urging blades upwardly, and a ledge extending outwardly from

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said opposite side on a line spaced below said slot and on which the blade-seat of a razor may be rested for the reception of a blade reinforced-edge foremost, said ledge being formed with a forwardly-open notch centrally of its length for the reception of a portion of a razor the blade seat of which is above said ledge.

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