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RAZOR BLADE DESPENSING PACKAGE

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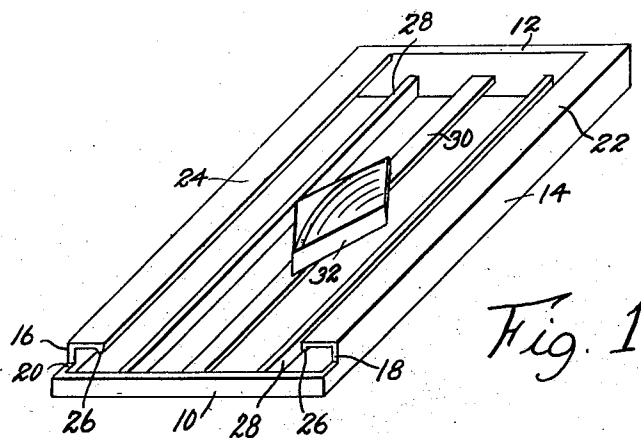


Fig. 1

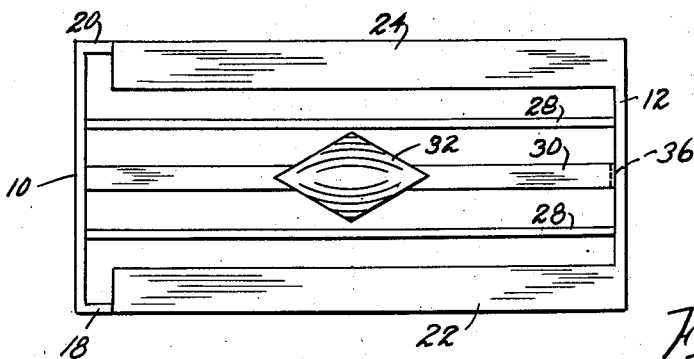


Fig. 2

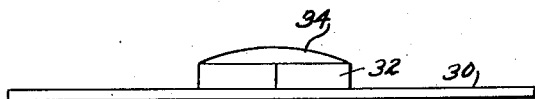


Fig. 3

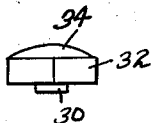


Fig. 4

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RAZOR BLADE DISPENSING PACKAGE

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This invention relates to new and improved razor blade dispensing packages and the principal object of the invention resides in the provision of a small razor blade dispensing package from which blades, particularly of the safety razor type, may be ejected easily and quickly and with no danger of cutting the fingers of the user while, at the same time, the package itself provides a small but efficient holder for the blades and maintains them with their edges completely covered and out of contact with any part of the package, so that the package cannot be damaged nor can the razor blade edges be dulled by contact therewith.

Another object of the invention resides in the provision of a molded plastic razor blade dispensing package comprising in general an open framework of rectangular form having along the two parallel longer sides thereof raised inwardly directed guiding means adapted to overlie a stack of blades, said framework having connected between the shorter ends thereof a plurality of longitudinal struts most of which are arranged so as to prevent flexing thereof in a direction transverse to the general plane of the razor blades to be housed in the package, but there being a central strut which is arranged therein for easy flexing, and to this end said strut is resilient so that it is easily flexed by the fingers of the operator, said resilient strut being centrally located and having thereon centrally thereof a protuberance shaped according to the opening in the razor blades to hold the same positively against exit from the package, except when said protuberance is touched by a finger or thumb of the user and depressed against the resilient action of the flexible strut, whereupon said protuberance is depressed from a position holding the topmost razor blade of the stack and the same may be easily ejected merely by a sliding motion of the thumb relative to the fingers holding the package.

Other objects and advantages of the invention will appear hereinafter.

Reference is to be had to the accompanying drawings in which:

Fig. 1 is a perspective view of a razor blade dispensing package according to the present invention;

Fig. 2 is a top plan view thereof;

Fig. 3 is a view in side elevation of the central resilient strut; and

Fig. 4 is a view in front elevation thereof.

The present invention comprises a framework consisting of front end 10, rear end 12, and side walls 14 and 16. The front wall 10 is parallel to

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the rear wall 12 and the walls 14 and 16 are parallel to each other but the front wall 10 is not as high as rear wall 12.

Each of the side walls 14 and 16 is cut away at the forward end thereof adjacent wall 10, as clearly shown at 18 and 20. From the top edges of side walls 14 and 16 there extends inwardly from each of them a short top cover or wall portion 22 and 24, respectively, each of these extending inwardly only for a short distance and terminating in a downwardly extending bead indicated at 26.

Between the front wall 10 and the back wall 12, there are provided a series of struts certain of which, such as those indicated at 28, are relatively deep as compared with their thickness so that they resist bending in a vertical direction. There is a center strut 30 similar in dimensions to those at 28 but arranged at a right angle thereto with the result that strut 30 may flex up and down and is resilient. The top surface of strut 30 is even with and coplanar with the top edge of front wall 10 and the same is true of the top surfaces or edges of struts 28 so that the three struts together present a floor which is coplanar and which supports a stack of razor blades.

On strut 30 there is arranged a protuberance extending upwardly and generally indicated at 32. In the particular case shown, this protuberance is illustrated as a diamond-shaped element but it is to be recognized that the invention contemplates any shape at all for this particular member, which is desired for the particular razor blade to be held; and the shape of the protuberance may, of course, be rectangular, oval, circular, etc., or any other shape desired, to fit the blades being held.

In the operation of the device, a stack of razor blades say for instance ten or twenty, depending upon the vertical height of the holder, are arranged to rest on the floor formed by the struts 28 and 30, with protuberance 32 extending through the central apertures of the razor blades so that the protuberance holds the blades against escape or exit. Of course, the rear wall 12 prevents escape in this direction in any case and the blades will have to be projected over the front wall 10 at the cutout portions 18 and 20 in order to be extracted from the holder.

The device itself may be held in the fingers of one hand with the thumb resting lightly on the protuberance and when it is desired to eject the blade, the thumb is slightly depressed so as to relieve the top of the protuberance from the topmost blade of the package, whereupon the sliding

motion of the thumb will remove the topmost blade and that one only.

It is to be noted that the strut 30 does not hold the blades in the holder by its own resilience, because tension is imparted to strut 30 only when it is depressed by the user in extracting a blade. Rather, the blades are held mechanically by interlocking of the protuberance 32 with the apertures in the blades.

The top surface of the protuberance 32 is preferably dome-shaped as clearly indicated at 32 in Figs. 3 and 4, so that the edges of the apertures of the blades are slid thereover easily.

Instead of making the flat strut 30 resilient, or depending upon its resilience to release the blades, it may be detached or disengaged from one of its connecting walls 10 or 12, the latter being shown at 36 in dotted lines. In this case, the strut is swung down about the juncture thereof with the wall to which it is joined to release the blades.

Having thus described my invention and the advantages thereof, I do not wish to be limited to the details herein disclosed otherwise than as set forth in the claims, but what I claim is:

1. A razor blade dispensing package comprising an open rectangular frame, spaced longitudinal struts extending from end to end of the frame and forming together a floor for supporting a stack of blades, one of said struts being flexible in a direction normal to the floor to be depressed below the latter, and a razor blade holding protuberance on the flexible strut.

2. The device of claim 1 wherein said protuberance has a top convex surface.

3. A razor blade dispensing package comprising an open rectangular frame, spaced longitudinal struts extending from end to end of the frame and forming together a floor for supporting a stack of blades, one of said struts being flexible in a direction normal to the floor to be depressible below the latter, a razor blade holding element on the flexible strut, said element extending through apertures in the blades.

4. A razor blade dispensing package comprising an open rectangular frame, spaced longitudinal struts extending from end to end of the frame and forming together a floor for supporting a stack of blades, one of said struts being flexible in a direction normal to the floor to be depressible below the latter, a razor blade holding element on the flexible strut, said frame having side walls parallel to the struts, and an inwardly directed member on each side wall overlying the edge of the blades in the package, said side walls and members terminating short of the front wall.

5. A razor blade dispensing package comprising an open rectangular frame, spaced longitudinal struts extending from end to end of the frame and forming together a floor for supporting a stack of blades, one of said struts being flexible in a direction normal to the floor to be depressible below the latter, a razor blade holding enlargement on the flexible strut, said frame having side walls parallel to the struts, and an inwardly directed member on each side wall overlying the edge of the blades in the package, said side walls and members terminating short of the front wall, said front wall being of less height than the remaining walls.

6. A razor blade dispensing package comprising a substantially rectangular open frame, a plurality of struts arranged longitudinally thereof, certain of said struts being substantially non-resilient in a direction normal to the plane of the package, one of said struts being resilient in said direction, a blade holding protuberance on said resilient strut, and means on the longitudinal members of the package frame overlying the blades resting on the struts, the protuberance holding the blades by the apertures thereof.

7. A razor blade dispensing package comprising an open rectangular frame, spaced longitudinal struts extending from end to end of the frame and forming together a floor for supporting a stack of blades, one of said struts being depressible in a direction normal to the floor to be depressed below the latter, and a razor blade holding element on the depressible strut.

8. A safety razor blade dispensing package comprising an open rectangular frame, spaced longitudinal struts extending from end to end of the frame and forming together a floor for supporting a stack of blades, one of said struts being swingable in a direction normal to the floor to be depressible below the latter, a razor blade holding enlargement on the swingable strut, said frame having side walls parallel to the struts, and an inwardly directed member on each side wall overlying the edge of the blades in the package.

9. A safety razor blade dispensing package comprising an open rectangular frame, spaced longitudinal struts extending from end to end of the frame and forming together a substantially rigid floor for supporting a stack of blades, one of said struts being depressible in a direction normal to the floor to be depressible below the latter, a razor blade holding enlargement on the depressible strut, said frame having side walls parallel to the struts, and an inwardly directed member on each side wall overlying the edge of the blades in the package, said side walls and members terminating short of the front wall, said front wall being of less height than the remaining walls, and said enlargement holding the blades by the apertures thereof.

10. A razor blade dispensing package comprising a substantially rectangular open frame, a plurality of struts arranged longitudinally thereof, certain of said struts being substantially non-resilient in a direction normal to the plane of the package, one of said struts being swingable in said direction, a blade holding protuberance on said last named strut, and means on the longitudinal members of the package frame overlying the blades resting on the struts, the protuberance holding the blades by the apertures thereof.

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