May 30, 1933. W. B. LASHAR 1,911,627

RAZOR BLADE PACKAGE

Filed Dec. 5, 1928

Fig. 1

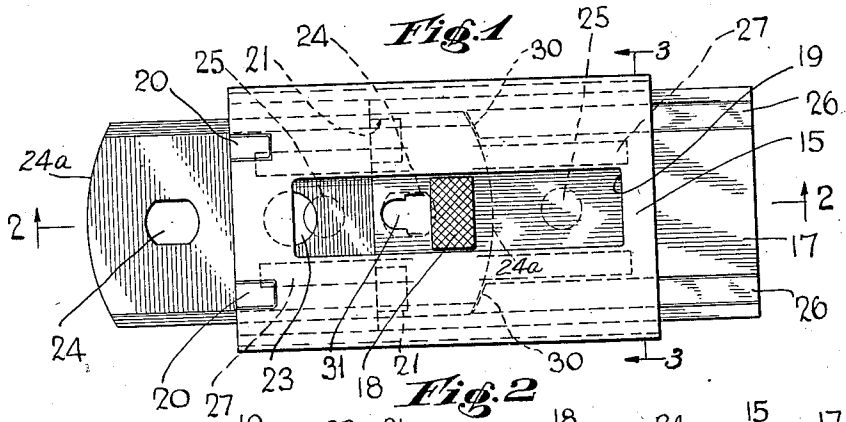


Fig. 2

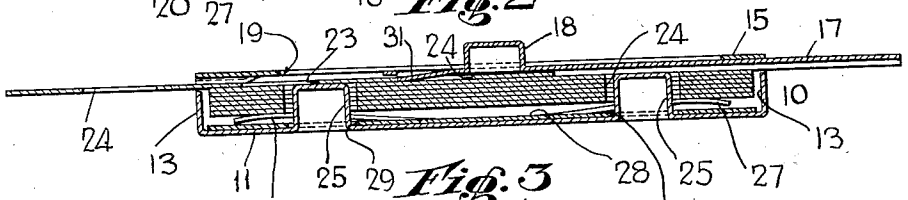


Fig. 3

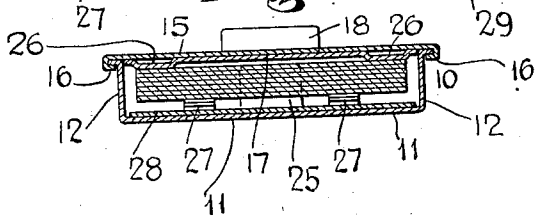
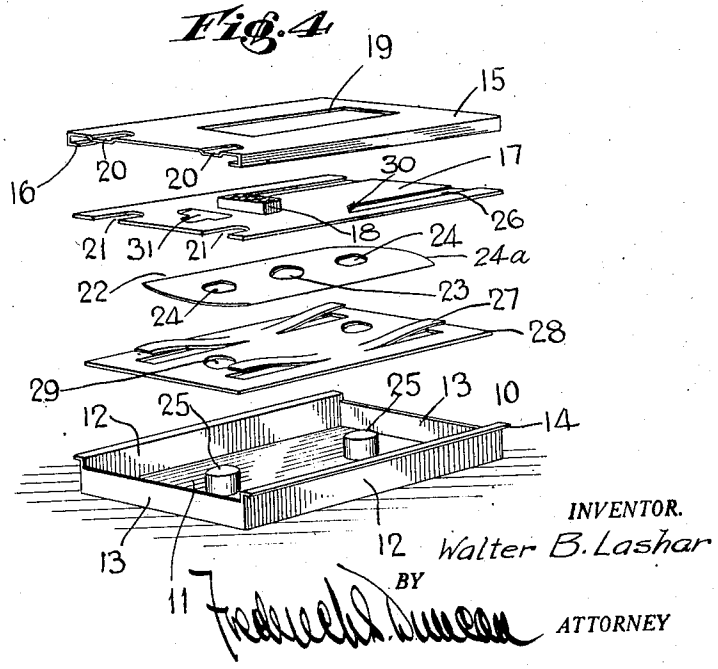


Fig. 4



INVENTOR.
Walter B. Lashar
BY
ATTORNEY

Patented May 30, 1933 1,911,627

UNITED STATES PATENT OFFICE

WALTER B. LASHAR, OF FAIRFIELD, CONNECTICUT, ASSIGNOR TO MAGAZINE REPEATING RAZOR COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW JERSEY

RAZOR BLADE PACKAGE

Application filed December 5, 1928. Serial No. 323,875.

My invention relates to the packing of razor blades and has for an object to provide a means for packing a number of razor blades in such manner that they may be conveniently dispensed or withdrawn from the package as needed.

At present the most common method of packing razor blades is to wrap each blade in a separate envelope or folder of waxed paper and then to enclose the folder in an outer envelope. It is not only inconvenient to remove the blade from its envelope or wrapping but the operation is also attended with considerable hazard to the operator. A razor blade is a dangerous implement and must be handled with care, particularly if it be of the double edged wafer type, and it is an object of my invention to reduce the handling necessary in removing a blade from its packing and inserting it in the razor holder.

It is a more specific object of my invention to provide a casing in which a number of blades may be stored, without individually wrapping each blade.

A further object is to provide means by which the blades will be ejected one at a time from the casing.

Obviously, in a device of this sort it is essential that the blade edges be kept clear of the casing so as to avoid the danger of nicking or dulling them and it is an object of my invention to provide means in the casing for holding the cutting edges of the blade spaced from the walls of the casing.

Another object of my invention is to provide an ejecting means by which the cutting edges will be held clear of the casing during ejection of the blade.

With these and other objects in view which will appear hereinafter, I shall now describe a preferred embodiment of my invention and will then point out the novelty and scope of the invention in the claims.

In the accompanying drawing,

Figure 1 is a plan view of a razor dispensing package with a razor blade partly ejected therefrom;

Fig. 2 is a view in longitudinal section taken on the line 2—2 of Fig. 1;

Fig. 3 is a view in transverse section taken on the line 3—3 of Fig. 1; and

Fig. 4 is an expanded view in perspective showing the various elements that go to make up my improved razor dispensing package.

As best shown in Fig. 4, the package includes a casing 10 preferably made of sheet metal and comprising a bottom wall 11, side walls 12 and end walls 13. The side walls are bent outward at the top to form flanges 14.

Overlying the flanges 14 is a lid 15 which is bent over at each side edge and formed with inwardly turned lips 16 that fit under the flanges 14. The lips may be tightly crimped upon the flanges so as to lock the lid thereto, or, if desired a sliding fit may be provided so that the lid may be withdrawn from the body of the casing when desired. In the latter case, however, it is essential that a very tight sliding fit be provided so that the lid will not slide in the normal use of the device.

Fitted between the side walls 12 and bearing against the underface of the lid 15 is an ejector plate 17. The end walls 13 of the casing are not as deep as the side walls, so that a slot is formed between the lid and each end wall to provide clearance for the ejector and a razor blade thereunder.

The ejector is formed with a thumb piece 18 by which it may be moved back and forth and this thumb piece projects through the slot 19 in the lid 16. The forward end of the lid 16 is formed with a pair of depressed stops 20 adapted to enter recesses 21 cut in the end of the ejector slide 17, when the latter is moved to closed position. The blades 22 which are used in the particular embodiment of my invention illustrated, are of the Gillette type. They consist of double edged wafers formed with three apertures therein; a central aperture 23 through which a holder stem is fitted, and an aperture 24 at each side thereof used to position the blade in the razor blade holder. The blade is also formed with arcuate ends 24*a*. Projecting from the bottom wall 11 of the casing 10 are two posts 25 which are preferably formed as shown in Fig. 2 by upsetting the bottom wall. These

posts are adapted to fit into the openings 23 and are of such height as to hold all of the blades in the casing except the top-most blade which is to be ejected.

The blades are pressed upward against the stop members 20 at the forward end and against the bottom of rails 26 on the ejector slide 17 by means of spring tongues 27 which project from a plate 28 inserted in the casing 10. The plate 28 is provided with apertures 29 to clear the posts 25 and permit it to lie flat on the bottom 11 of the casing. The rails 26 terminate at their forward ends, in arcuate shoulders 30 (see Fig. 1) adapted to fit the arcuate ends 24*a* of the razor blade. Immediately in advance of the thumb piece 18, the ejector 17 is depressed to form a spring pawl 31 which is adapted to engage the rearmost aperture 24 of the uppermost razor blade. The pawl has an abrupt shoulder at its forward end, but is tapered rearwardly so as to merge into the ejector slide.

In operation, when it is desired to eject a blade from the package, the thumb piece 18 is operated to withdraw the ejector 15 toward the right as viewed in Fig. 1, until the pawl 31 engages the rear aperture 24 in the blade 22. Then on sliding the ejector forward the pawl 31 and the shoulders 30 on the rails 26 will engage the blade and force the latter outward. In its extreme forward position the greater part of the blade will be projected from the casing, but a portion will be retained therein. The blade may then be withdrawn by hand, the spring pawl 31 flexing out of the perforation 24. As each blade is removed the stack of blades remaining in the casing will be forced upward against the ejector slide. Thus, by merely sliding the ejector 17 back and forth, the razor blades may be ejected one at a time as desired. Owing to coaction of the shoulders 30 with the arcuate end walls 24*a* and engagement of the rear aperture 24 by the pawl 31, the blade will be kept centered with respect to the longitudinal axis of the casing while it is being ejected, so that there will be no danger of dulling the cutting edges of the razor blade against the sides of the casing. The blades that remain in the casing are kept clear of the side walls 12 by the posts 25, thus protecting their cutting edges against damage.

While I have shown my invention as applied to the packaging and dispensing of razor blades of the Gillette type it is to be understood that the invention is not limited to such application and that the device may be modified in construction and arrangement of parts to permit of packaging and dispensing other types of blades as well.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

1. In a dispensing package for razor blades formed with arcuate ends and with perforations therethrough, a casing adapted to receive a stack of said blades, said casing having a slot therein through which one blade at a time may be dispensed from the casing, a plate mounted to slide in the casing, means urging the blades toward said plate, a pawl on the plate adapted to engage a perforation of the top blade of the stack, spaced lugs on the plate adapted to fit against one of the arcuate ends of the top blade of the stack, and means for operating the plate to eject the top blade of the stack through said slot.

2. In a dispensing package for razor blades formed with arcuate ends and with perforations therethrough, a casing adapted to receive a stack of said blades, said casing having a slot therein through which one blade at a time may be dispensed from the casing, a plate mounted to slide in the casing, means urging the blades toward said plate, a pawl on the plate adapted to engage a perforation of the top blade of the stack, spaced lugs on the plate adapted to fit against one of the arcuate ends of the top blade of the stack, means for operating the plate to eject the top blade of the stack through said slot, and means in the casing for holding the remaining blades of the stack clear of the casing.

3. In a dispensing package for perforated razor blades formed with arcuate ends, a casing formed with a lid and adapted to hold a stack of said blades, the casing having slots in opposite walls thereof adjacent the lid, an ejector in the casing slidable in alinement with the slots, the lid being formed with an aperture, a thumb-piece on the ejector passing through said aperture and coacting with the end walls of said aperture to limit movement of the ejector, the plate being formed with a forwardly projecting pawl and with a pair of rails on the under face thereof, and a spring urging the blades against the pawl and the rails, said pawl being adapted to engage one of the perforations of the topmost blade when the plate is withdrawn to ejecting position and the rails having arcuate shoulders at their forward ends adapted to fit against an arcuate end of the topmost blade when the plate is withdrawn to ejecting position, whereby when the plate is slid forward to normal position it will eject the topmost blade through one of the slots.

4. In a dispensing package for perforated razor blades formed with arcuate ends, a casing formed with a lid and adapted to hold a stack of said blades, the casing having slots in opposite walls thereof adjacent the lid, an ejector in the casing slidable in alinement with the slots, the lid being formed with an aperture, a thumb-piece on the ejector passing through said aperture and coacting with the end walls of said aperture to limit movement of the ejector, the plate being formed with a forwardly projecting pawl and with a pair of rails on the under face thereof, a

spring urging the blades against the pawl and the rails, said pawl being adapted to engage one of the perforations of the topmost blade when the plate is withdrawn to ejecting position and the rails having arcuate shoulders at their forward ends adapted to fit against an arcuate end of the topmost blade when the plate is withdrawn to ejecting position, whereby when the plate is slid forward to normal position it will eject the topmost blade through one of the slots, and means in the casing for holding the remaining blades of the stack clear of the casing.

In testimony whereof, I have signed this specification.

WALTER B. LASHAR.