April 24, 1945. W. H. ROSE 2,374,502

BLADE HOLDING DEVICE

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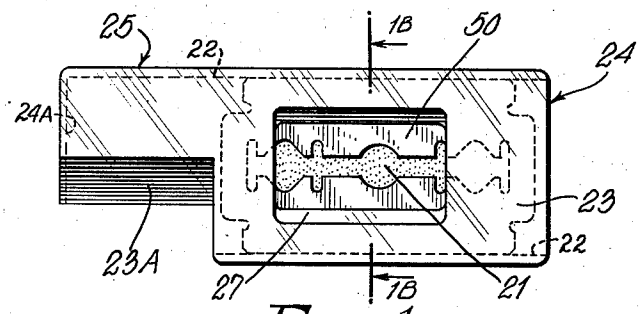


FIG. 1.

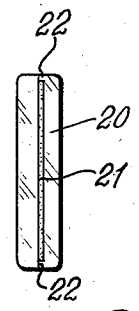


FIG. 2.

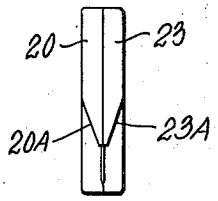


FIG. 1A.

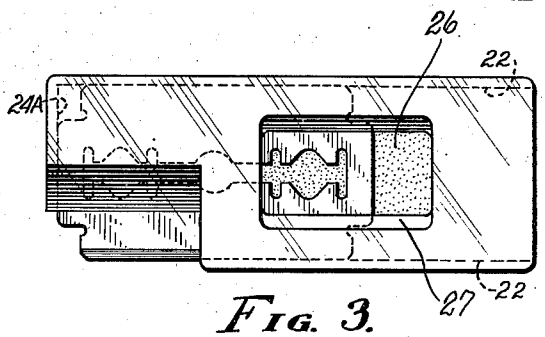


FIG. 3.

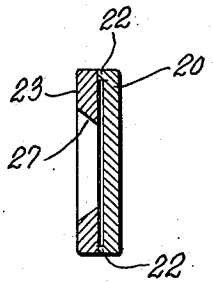


FIG. 1B.

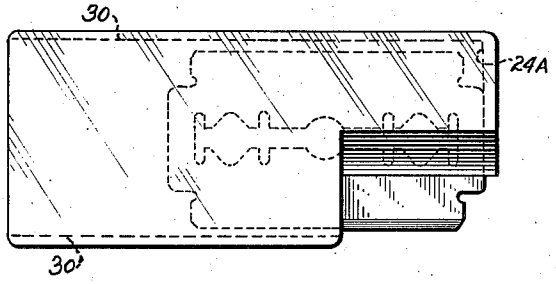


FIG. 4.

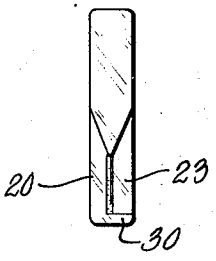


FIG. 5.

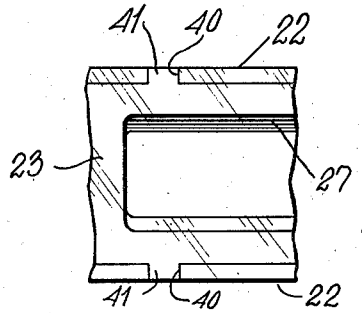


FIG. 6.

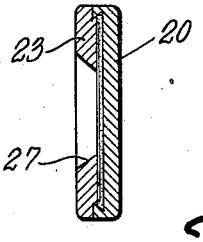


FIG. 7.

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BLADE HOLDING DEVICE

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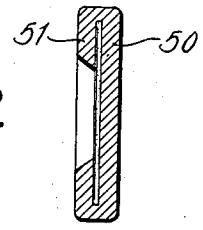


FIG. 8.

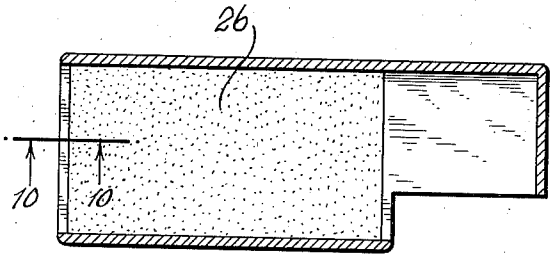


FIG. 9.

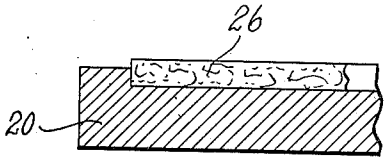


FIG. 10.

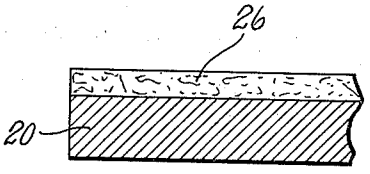


FIG. 11.

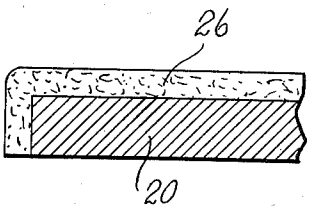


FIG. 12.

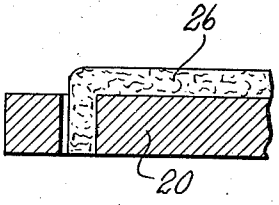


FIG. 13.

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2,374,502

BLADE HOLDING DEVICE

William H. Rose, Jersey City, N. J.

Application March 31, 1944, Serial No. 528,935

1 Claim. (Cl. 30—335)

My invention relates to devices adapted for cutting purposes and refers particularly to devices in which safety blade razors may be employed as the cutting element, but I do not limit myself to such cutting means.

One of the objects of my invention is devices adapted for containing a cutting element, the edges of which may be screened, or protected, when the device is not in use.

Another object of my invention is devices of the character described in which cutting elements may be readily removed and inserted.

Another object of my invention is devices of the character described in which the cutting element does not extend beyond the longitudinal length of the casing when employed for cutting purposes.

Another object of my invention is devices of the character described in which an opening in the side thereof offers means for moving the cutting element to and from cutting and non-cutting positions.

Another object of my invention is devices of the character described in which the cutting edge is exposed through the side of the casing.

Another object of my invention is devices of the character described which are free from springs and pivotal members.

Another object of my invention is devices of the character described which are shorter than twice the length of the cutting element.

Another object of my invention is devices of the character described in which the cutting element per se is the only moving part.

Another object of my invention is devices of the character described in which only a portion of the cutting edge is exposed when in use, thus avoiding the danger of a longer portion of exposed cutting edge.

Another object of my invention is a small, compact and safe device of the character described, which is inexpensive in production, easy in operation and effective in use.

That the devices of my invention possess all of the above mentioned and other valuable features will be evident upon a consideration of my specification and its accompanying drawings.

In the accompanying drawings illustrating modified forms of the devices of my invention, the same numbers refer to the same elements.

Figure 1 is a front plan view of one form of my devices with a safety razor blade inserted therein, said blade being in protected position.

Figure 1A is a front end view of the devices of Figure 1.

Figure 1B is a section through the line 1B—1B of Figure 1.

Figure 2 is a rear end view of the device of Figure 1.

Figure 3 is a rear plan view of the device of Figure 1 with a safety razor blade in cutting position.

Figure 4 is a rear plan view of a modified form of a device of my invention.

Figure 5 is a front end view of the device of Figure 4.

Figure 6 is a fragmentary front plan view of a modified form of a device of my invention.

Figure 7 is a rear view of the device of Figure 6.

Figure 8 is a rear end view of a modified form of a device of my invention.

Figure 9 is a top plan view of the rear member of a device of my invention.

Figure 10 is a view through the line 10—10 of Figure 9.

Figures 11, 12 and 13 are fragmentary vertical sections through modified forms of back members of devices of my invention.

The particular form of a device of my invention shown in Figures 1, 1A, 1B and 2 comprises a casing for a safety razor blade consisting of a back plate 20 having a centrally positioned depressed portion 21 between the two side portions 22 and 22, the depressed portion 21 being unobstructed in its rearward end and closed at its most forward end. Positioned upon the back plate 20 is a front plate 23 having a central opening 24. The side portions 22 of the back plate 20 and the front plate 23 in this form of my device are permanently connected together by any suitable means such as glue.

It will be noted that the device thus formed has a rearward hand portion designated as a whole as 24 and a forwardly extended finger portion 25 cutaway along one side and provided with bevelled lower margins 20A and 23A, as shown in Fig. 1A.

As a result of the recess 21 in the back plate 20 that plate and the front plate 23 contact each other only along the side portions 22 and along the end of the forwardly extended finger portion 25, leaving a space between the center portions of such plates for the reception of a razor blade. This space extends clear to the outer end of rearward hand portion 24 to permit a blade to be inserted or withdrawn. The space does not extend to the outer end of the finger portion so as to provide a shoulder 24A which will prevent the blade sliding out of the holder when the latter is

drawn to the left (Fig. 3) to cut a piece of paper, cardboard or the like.

A sheet of felt or other suitable material is placed within the depression portion **21** of the back plate **20**, the chief object of the felt element being to retain the blade from accidental displacement in any position in which it is placed. Another object of the felt element is to permit blades of the varying thickness to be used.

In operation, a safety razor blade **50** is inserted into the depressed portion of the back plate **20** and upon the felt **26** through the rear end of the device and when thus positioned, the device is in the condition shown in Figure 1 and the cutting edges of the blade are protected.

The portion of the plate **23** forming part of the hand portion **24** has an elongated opening **27** through which a finger or other suitable means may be inserted to contact the blade for moving it forward until it is in the position shown in Figure 3, thus exposing a portion of the cutting edge for use. The blade can, of course, be retracted after use in the same way.

It will be noted that at no time does the blade extend beyond the extremity of the device, and that when the hand portion of the device is held in the hand of the operator, the blade is firmly backed within the finger portion, thus overcoming the dangers incident to use of devices of a folding construction or having spring maintaining means.

The device of my invention shown in Figures 4 and 5 is similar in general construction and use to that shown in the preceding figures, except that the back plate has upwardly extended sides **30** and the front plate **23** is of slightly resilient material in order that when it is flexed into position, the two plates will be maintained in position with respect to each other by the pressed abutment of the sides of the front plate **23** against the faces of the extended members **30, 30** of the back plate **20**.

The modified form of my device shown in Figures 6 and 7 is similar to that first shown and described except that the extended sides **22, 22** of the back plate **20** have cut outs **40, 40** into which the extended portions **41, 41** of the front plate **23** are positioned to assist in maintaining the front plate from sliding over the back plate.

The modified form of my device shown in Figure 8 is similar to that first shown and described except that the back plate **50** and the front plate **51** are of one piece construction.

Figures 9 to 13, both inclusive, show modified means for positioning the felt **26**, other suitable material to the back plate **20** and are self explanatory.

While I have shown a device of my invention particularly adapted for use with safety razor blades, it is evident that it may be so constructed as to be operative with other cutting devices.

It is also evident that my devices are of such simple construction that they may be made of many suitable materials including metals, glass, numerous synthetic resins and other material and synthetic materials.

I, therefore, do not limit myself to the particular size, shape, number, materials and constructions shown and described as these are shown and described solely for the purpose of explaining my invention and may be varied without going beyond the scope of my invention.

What I claim is:

A blade-holding device comprising a front plate consisting of a body portion and a finger-like portion extending longitudinally from one side portion of said body portion, said body portion having a hole therethrough; a back plate consisting of a body portion having a depressed recess therein extending inwardly from the rear portion of said back plate and a finger-like portion extending longitudinally from one side portion of said body portion; a sheet of compressible and resilient material fixedly retained within said recess adapted to abut upon a razor blade placed within the device; the marginal edges of said front plate and said back plate coinciding in their entirety with each other.

WILLIAM H. ROSE.