Dec. 11, 1923. 1,477,062

P. KENNEDY

CUTTING DEVICE

Filed Jan. 15, 1921

Fig. 2.

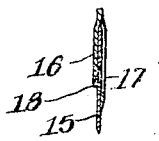


Fig. 1.

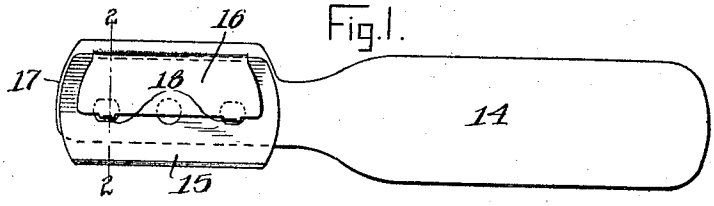


Fig. 4.

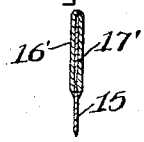


Fig. 3.

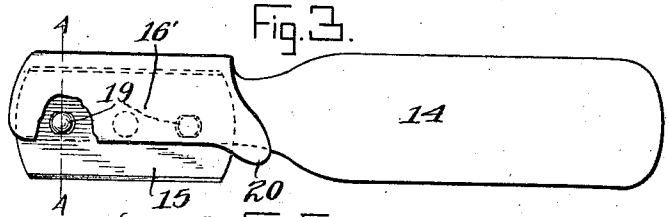


Fig. 6.

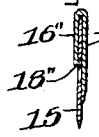


Fig. 5.

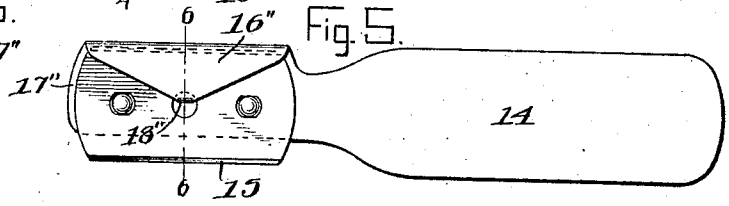


Fig. 7.

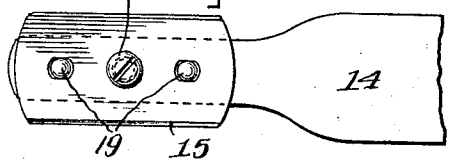


Fig. 8.

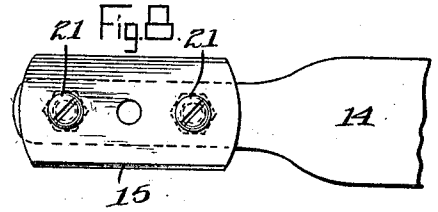


Fig. 9.

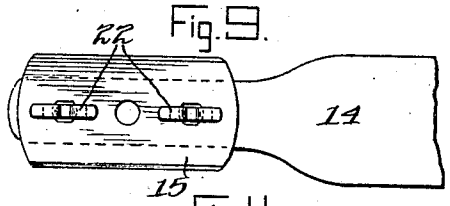


Fig. 10.

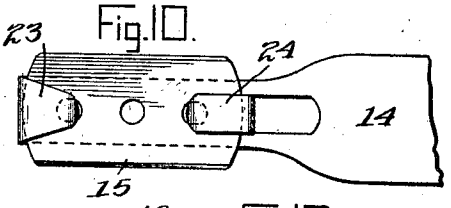


Fig. 11.

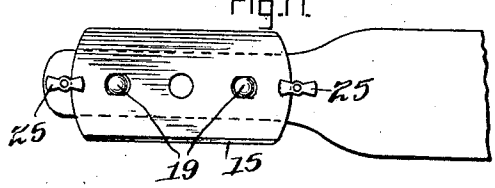
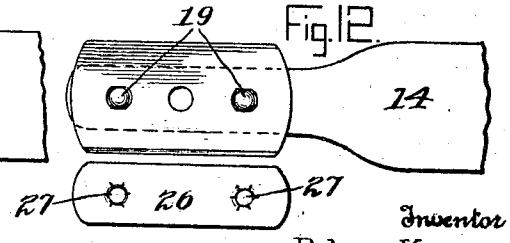


Fig. 12.



Inventor

Palmer Kennedy.

By Otto B. Bradford

Attorney

Patented Dec. 11, 1923. 1,477,062

UNITED STATES PATENT OFFICE.

PALMER KENNEDY, OF TACOMA, WASHINGTON.

CUTTING DEVICE.

Application filed January 15, 1921. Serial No. 437,435.

To all whom it may concern:

Be it known that I, PALMER KENNEDY, a citizen of the United States, residing at Tacoma, in the county of Pierce and State of Washington, have invented certain new and useful Improvements in Cutting Devices, of which the following is a specification.

My said invention relates to an improved holder for safety razor blades and it is intended to be used as a ripping device by seamstresses and for other purposes that will suggest themselves to the user.

The main object of my invention is to provide a device of the class described which shall be simple and which may be produced in a very economical manner.

A further object of my invention is to provide a device of the character described in which the blade may be very readily removed and replaced.

Referring to the accompanying drawing which is made a part hereof and on which similar reference characters indicate similar parts,

Figure 1 is a plan of one form of my invention,

Figure 2, a section on line 2—2,

Figure 3, a modified form, and

Figure 4 is a section on line 4—4 of Figure 3.

Figure 5 is a further modification, and

Figure 6 a section on line 6—6 thereof.

Figures 7 to 12 show additional modifications.

In Figure 1 I have shown a device having a handle portion 14 and a blade 15 herein shown as being of the Gillette type but which may be of any type so formed as to be conveniently retained in place by the holding devices on the handle 14. In Figure 1 these holding devices comprise a flap 16 punched out from the forward end of the device leaving a portion 17 underneath the flap on which the same may rest. Preferably the flap 16 has projections 18 formed in the stamping operation which may be bent downwardly to engage the opening or openings in the blade to prevent accidental removal thereof. The flap is beveled underneath its lower edge to enable the user to insert a fingernail or the like under the flap to lift the same, as shown in Figure 2.

In Figure 3 the portion 17′ underneath the blade 15 is continuous with the handle and the flap 16′ is bent over to enclose and form a guard for the upper edge of the blade. The portion underneath the blade has punched up lugs 19 for engaging the opening or openings in the blade and the blade is held in place by the lugs and by the pressure of the resilient flap 16′. At its rear end the flap has a projection 20 which forms a thumb piece whereby the user may lift the flap so that the blade may be readily removed.

In the modification of Figure 5 the flap 16″ is formed, as in Figure 3, by an integral continuation of the back 17″ and is cut away to leave a triangular portion, the extreme end of which extends down to the center hole in the blade. It may, if desired, have a tang 18″ extending down into the hole.

The modification of Figure 7 shows a holder flat throughout its entire extent and provided with a pair of stamped lugs 19. Cooperating with these lugs for holding the blade is a screw 21 passing through the blade and into a threaded orifice in the holder. If desired the screw may pass through the holder and be held in place by a nut, instead of taking the form shown.

In Figure 8 is shown a modification similar to that of Figure 7, except that two holes are formed in the holder in place of the lugs and a pair of screws 21 are inserted therein.

The screws may be threaded into the holder, as in Figure 7, instead of being provided with nuts, if desired. It will be understood that the holes or screw threaded apertures in the handle are preferably provided at such a distance apart that if a blade such as the Durham Duplex type is used the holes will fall at the ends of the openings in the blade so that the blade will be held against endwise movement.

Figure 9 shows a device similar to Figure 8, a pair of paper clips of a well-known type being substituted for the screws. These clips are merely inserted from the underside and have their legs spread apart and bent over to hold the blade in place.

Figure 10 shows a further modification in which the end of the holder is bent over at 23 and a part 24 is also stamped out of the holder and bent over to engage the blade or to project into the opening thereof as desired. The part 23 may also bear yieldingly against the blade or project into the corresponding opening.

In Figure 11 I have provided a holder with lugs 19 and turn-buttons 25 co-acting therewith to hold the blade in place.

Figure 12 shows a device in which the stamped out lugs are carried farther up than in other forms, somewhat as in the well-known glove fastener. Cooperating with these lugs to hold the blade in place is a slip of metal 26 having openings 27 surrounded by resilient tongues which snap over the lugs 19, the slip 26 then resting closely against the blade.

Many modifications of my device will suggest themselves to those skilled in the art and I do not limit myself to what is herein shown and described. For example, in the device shown in Figure 12 I may provide a single central lug with a snap holder therefor and one or more lugs engaging the blade to prevent rotation of the blade. I may also provide in any such device as those shown in Figures 7 to 12, a curved guard such as 16″ of Figure 5 which may, if desired, extend only far enough over to completely cover and protect the edge of the blade. It will be seen that the devices shown in the drawing are merely illustrative, the true scope of the invention being defined by the appended claims.

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

1. In a cutting device a two-edged safety razor blade and a one-piece holder therefor having a handle and also having a punched-out portion approximately equal in length to the blade, said portion extending over the blade to hold the same in place and having lugs at its free end extending into holes in the blade to prevent rotation thereof, substantially as set forth.

2. In a cutting device, a safety razor blade and a holder therefor having a handle and also having a laterally extending punched-out portion extending over the blade to hold the same in place, and providing a guard for one edge of the blade, said portion being beveled underneath its lower edge, substantially as set forth.

3. In a cutting device, a safety razor blade and a handle therefor having a punched-out portion extending over the blade to hold the same in place, said punched out portion having one or more projections at its forward end extending transversely into corresponding openings in the blade to prevent accidental removal thereof, substantially as set forth.

4. A cutting instrument comprising a two-edged safety razor blade and a holder therefor having a face against which the blade may rest, a resilient portion punched out from the said face engaging the opposite face of the blade to hold it in place and forming a guard for one edge of the blade, and one or more lugs on the resilient portion to engage corresponding holes in the blade to prevent displacement thereof, substantially as set forth.

5. A cutting instrument comprising a two-edged safety razor blade and a holder having a handle said holder having a face against which the blade may rest, the side edges of the holder and handle being parallel to the cutting edges of the blade, a resilient extension engaging the opposite face of the blade and forming a guard for one edge of the blade, the other edge of the blade overhanging the adjacent edge of the holder and one or more lugs on the extension to engage corresponding holes in the blade and prevent displacement thereof, substantially as set forth.

6. A one-piece holder for a two-edged safety razor blade having a handle the side edges of the holder and handle being parallel to the cutting edges of the blade, and a punched-out portion between said sides bent over an edge of the blade and engaging in an opening thereof to prevent accidental displacement of the blade, substantially as set forth.

In witness whereof I have hereunto set my hand and seal at Washington, District of Columbia, this fourteenth day of January, A. D. nineteen hundred and twenty-one.

PALMER KENNEDY.

Witnesses:
F. W. DAHN,
M. A. SHAW.