Sept. 22, 1931. R. E. THOMPSON 1,824,753

SAFETY RAZOR

Filed Nov. 15, 1930

Fig. 1

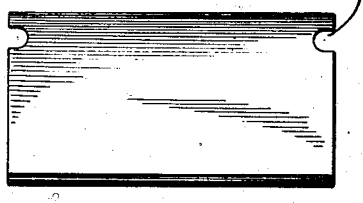


Fig. 2

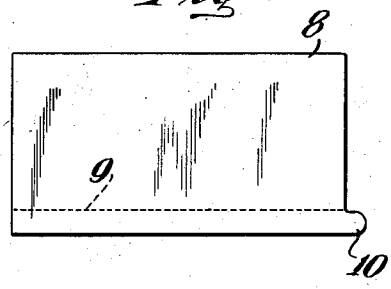


Fig. 3

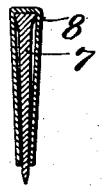


Fig. 4

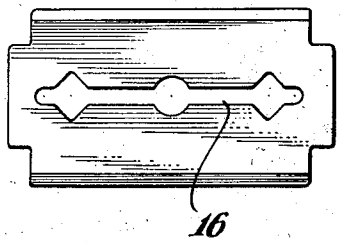


Fig. 5

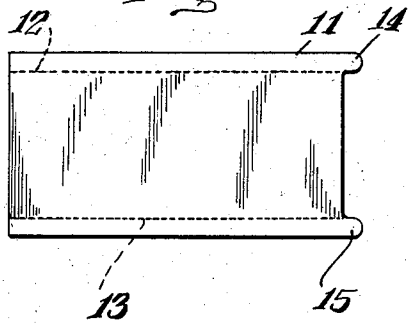
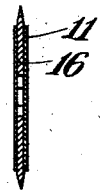


Fig. 6



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UNITED STATES PATENT OFFICE

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SAFETY RAZOR

Application filed November 15, 1930. Serial No. 496,024.

This invention relates to safety razors and more particularly to wrappings for safety razor blades and a composite blade formed with a wrapping.

In one aspect it comprises a blade having a novel wrapping a portion of which may be removed to expose the cutting edge only while the body of the blade remains covered and thus protects as completely as in its original packing.

An object of the invention is to provide a wrapper for a safety razor blade which does not need to be removed before the blade is inserted in the razor.

Another object of the invention is to provide a wrapper for a two edged blade, the portions of the wrapper adjacent each edge being separately removable.

The wrappers now employed for safety razor blades are such that they have to be entirely removed before the blade is inserted in its holder. One of the disadvantages of such a wrapper is that the sharpened edges of the blade may be easily damaged before or while it is being mounted in the razor by being brought into contact with or drawn across a part of the holder. Another objection is that the wrapper is hard to remove.

According to this invention a wrapper for a safety razor blade is provided which does not need to be completely removed in preparing the blade for shaving. The portion of the wrapper adjacent each sharpened edge of the blade is perforated and provided with a tab which, when pulled, removes the portion of the wrapper adjacent to and covering the sharpened edge of the blade. The remaining portion of the wrapper being of waxed or other suitable form of waterproof paper does not need to be removed from the blade. The wrapper remaining on the body of the blade and thus prevents both the blade and its holder from rusting since but a small portion of the blade is wet during the shaving operation. Furthermore, with a two edged blade, after the blade is inserted in its holder, one edge is exposed by pulling off its associated tab, the other edge remaining enclosed until it is desired to use it. With this arrangement, the used edge is identified and the remaining edge is protected from being dulled or damaged in handling.

Such a wrapper moreover has the further advantage that it may be more easily and conveniently removed from the cutting edge to expose the latter than wrappers heretofore employed.

These and other features of the invention will be best understood and appreciated from the following description of preferred embodiments thereof selected for purposes of illustration and shown in the accompanying drawings, in which:—

Fig. 1 is a plan view of a single edged blade for which it is desired to provide a wrapper, according to this invention;

Fig. 2 is a similar view of a wrapper, according to this invention, around a blade similar to that shown by Fig. 1;

Fig. 3 is an end view showing the wrapper in position upon the blade of Fig. 2 with the blade exposing tab removed;

Fig. 4 is a plan view of a double edged razor blade for which a wrapper is provided, according to this invention;

Fig. 5 is a plan view of a wrapper for a blade similar to Fig. 4, and

Fig. 6 is an end view of the wrapped blade shown by Fig. 5 with the two edges of the razor exposed.

Referring now to Fig. 1, the safety razor blade there shown is of the single edged type which is supported in its holder by projections extending into the recesses 7 of the blade. The wrapper 8, shown by Fig. 2, is placed over the blade, shown by Fig. 1, and is perforated as indicated by the dotted lines 9 adjacent and parallel to the sharpened edge of the blade. The tab 10 is joined to or forms a portion of the perforated portion of the wrapper. When it is desired to use a blade wrapped, as illustrated, the wrapped blade is inserted into the holder, the thickness of the wrapper around the portions of the blade adapted to be clamped or held by the holder being insufficient to affect the positioning of the blade in the holder. The wrapped blade is thus inserted in the holder without danger from or to the sharpened edge. After the blade is mounted, the tab 10 is pulled and

the perforated portion removed complete around the cutting edge of the blade. The wrapper 8 may be of thin waxed paper and may be made to adhere tightly to the blade by the use of a protective coating of grease for the blade. When such a protective coating of grease is employed, the portion of the wrapper not removed adheres closely to the surface of the blade. Fig. 3 illustrates the blade with the perforated portion of the wrapper 8 removed showing the cutting edge of the blade exposed.

Figs. 4, 5 and 6 illustrate the present invention applied to a two edged blade of the Gillette type. The wrapper 11, shown by Fig. 5, encloses the type of blade shown by Fig. 4 and has its portions adjacent and parallel to the two cutting edges of the blade, perforated as indicated by the dotted lines 12 and 13. The two perforated portions of the wrapper 11 have attached thereto or made a part thereof, the two tabs 14 and 15, each of which, when removed, exposes its respective cutting edge. The blade shown by Fig. 4 and shown wrapped by Fig. 5 is located in its holder by means of the central slot 16 which extends over a central rib on the cap member of the holder.

The wrapped blade is mounted in the holder without removing the wrapper. The portion of the wrapper covering the central slot of the blade is pressed out by the rib of the cap member, the thickness of the remainder of the wrapper being insufficient to affect the positioning of the blade in its holder. After the blade is mounted and clamped for shaving, one of the tabs, say for example tab 15, is pulled to remove the perforated portion of the wrapper 11, completely around one of the cutting edges of the blade. The perforated portion protecting the other edge of the blade need not be removed until the exposed cutting edge is too dull for further use. Fig. 6 illustrates a blade with the two cutting edges exposed, the wrapper remaining on the blade in the central body portion. As previously explained in connection with Figs. 1, 2, and 3, the wrapper 11 is waterproofed and may be made to adhere so closely to the surface of the blade that no moisture can get between the blade and the surface of the razor. The wrapper may be made moisture proof by being waxed, oiled, etc., and by remaining on the body of the razor protects not only the blade from rusting but also the portion of the holder in contact with the blade.

Whereas one or more embodiments of the invention have been described for the purpose of illustration, it should be understood that the invention is not limited to the exact details described, as many departures may be made by those skilled in the art, without departing from the spirit of the invention.

What is claimed is:

1. A composite blade for a safety razor, including an envelope enclosing the body of the blade and adhesively attached thereto, and having a perforated edge portion which may be removed to expose the cutting edge of the blade independently of the remainder of the envelope.

2. A composite blade for a safety razor, including an envelope enclosing the body of the blade, adhesively attached thereto at least on one side, and having a perforated edge portion extending beyond the cutting edge of the blade which may be removed independently of the remainder of the envelope.

3. A composite blade for a safety razor, including an envelope folded over the body of the blade and attached thereto, and having a perforated edge portion enclosing the cutting edge and provided with a projecting tab.

4. A composite blade for a safety razor, including an envelope fitted to the body of the blade and adapted permanently to cover its opposite faces while clamped in a holder, and a perforated edge portion adapted to be torn off after the blade is clamped to expose its cutting edge.

5. A wrapped double-edged safety razor blade including an envelope fitted to the body of the blade and adapted to cover and protect its opposite flat surfaces while clamped in a holder, the envelope having perforated edge portions which may be separated from the envelope and stripped off the blade to expose the cutting edges thereof.

6. A wrapped safety razor blade including an envelope fitted to the body of the blade and adapted to cover its opposite faces while clamped in a holder, the envelope having a portion set off by a line of perforations within the contour of the blade which may be stripped off for the purpose of exposing the cutting edge independently of the remainder of the envelope.

Signed at Boston, Massachusetts, this 14th day of November, 1930.

RALPH E. THOMPSON.