Aug. 30, 1938. G. MONNET 2,128,258

RAZOR BLADE SUPPORT

Filed April 1, 1936

Fig. 1.

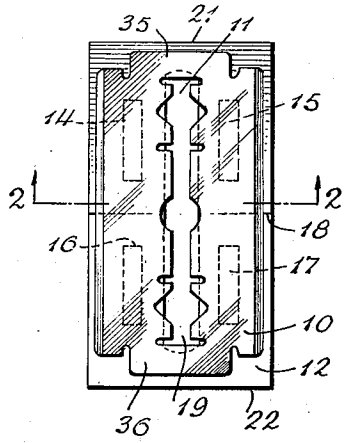


Fig. 2.

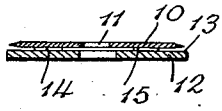


Fig. 3.

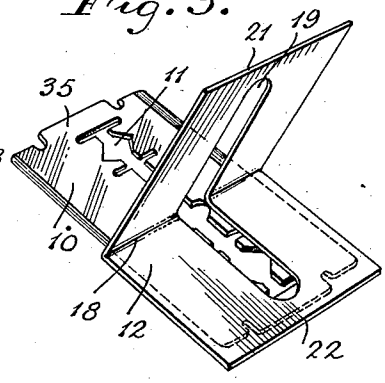


Fig. 4.

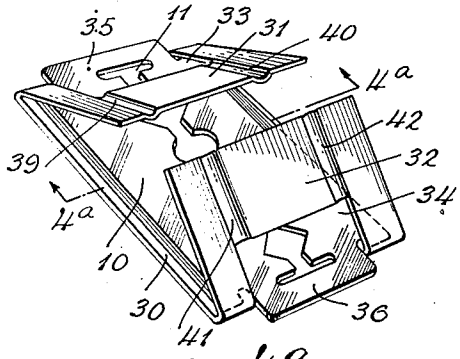


Fig. 4a

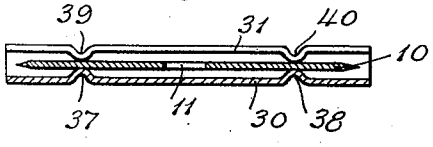


Fig. 5.

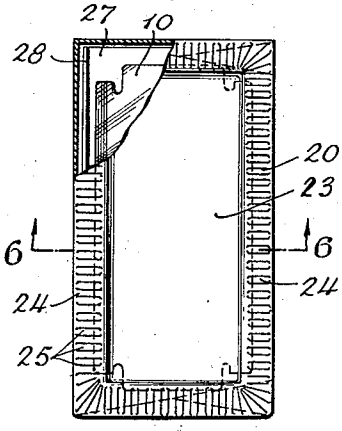


Fig. 6.

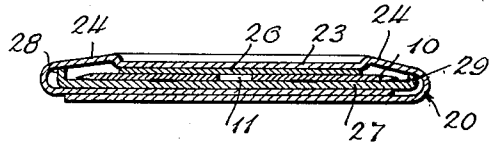
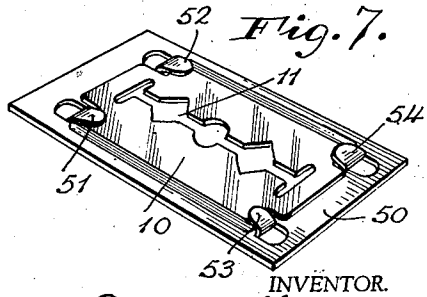


Fig. 7.



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RAZOR BLADE SUPPORT

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Application April 1, 1936, Serial No. 72,068

10 Claims. (Cl. 206—46)

This invention relates to razor blade packages and refers more particularly to supports carrying the razor blades and wrappers enclosing the same.

Heretofore safety razor blades were packed individually in oiled paper or impregnated paper and were enclosed in a paper envelope. Five, ten or a larger number of such envelopes were packed together in packages made of heavier paper or cardboard.

Practical experience has shown that this method of wrapping razor blades does not prevent the sharp edges thereof from rubbing against the paper wrapping so that in many instances the ends become dull before the user removes the razor blade from its wrapping for the first time.

This wrapping for razor blades is also inconvenient in so far as it is necessary for the user to open the paper envelope to produce the razor blade wrapped in oiled paper, then take off the oiled paper and finally place the razor blade upon the safety razor. All these manipulations must be done by hand and the razor blade must be held by the user before it is deposited upon the safety razor.

Every day experience shows that the fingers or the hands of the user are frequently cut by the sharp edges of the safety razor blade while such razor blade is unwrapped and placed upon the safety razor.

During the unwrapping the shaving edges of the blade must come in contact with the paper wrapping and may be dulled by this contact. The very nature of the blade prevents the user from holding it securely with the result that the blade is often dropped and damaged; furthermore, it is extremely inconvenient and dangerous to pick up the blade when it lies upon a flat surface.

An object of the present invention is the provision of a razor blade support of such form that any contact between the fingers or the hand of the user and the razor blade is avoided while the blade is being unwrapped and placed upon the safety razor.

Another object is the provision of a blade support which will eliminate the danger of injury to the user while he unwraps the blade and deposits the same upon the safety razor.

A further object is the provision of a wrapper for safety razor blades which will effectively protect the sharp edges of the blades while the latter are not in use.

The above and other objects of the present invention may be realized through the provision of a blade support consisting of substantially waterproof flexible material, for instance, a sheet of waxed cardboard, fibre, metal and the like, which carries the blade and which is wider and longer than the blade in order to prevent the user from being injured by the sharp edges of the blade.

The blade is attached to the cardboard support by any suitable adhesive, such as paraffin, or by any other suitable means. The cardboard may be provided with a line of perforations or indentations to enable the user to bend the sheet of cardboard while holding the same and deposit the blade upon a safety razor without touching the blade.

The adhesive connecting the blade with the cardboard support may be eliminated and the cardboard support may be shaped in such manner as to form a frame holding the blade while it is being deposited upon the safety razor.

The blade and its support are preferably enclosed by an envelope of certain stiffness having outstanding cushion-like edges which prevent the paper from coming in contact with the edges of the blade and thus prevent these edges from rubbing against the paper while the blade is situated within its envelope.

The invention will appear more clearly from the following detailed description when taken in connection with the accompanying drawing showing, by way of example, preferred embodiments of the inventive idea.

In the drawing:—

Figure 1 shows a support carrying a blade;

Figure 2 is a section along the line 2—2 of Figure 1;

Figure 3 illustrates a method of placing the blade carried by the support shown in Figures 1 and 2 upon a safety razor.

Figure 4 shows a razor blade support of a somewhat different type;

Figure 4*a* is a section along the line 4*a*—4*a* of Figure 4.

Figure 5 illustrates an envelope carrying the blade and its support.

Figure 6 is a section along the line 6—6 of Figure 5.

Figure 7 is a perspective view of a blade support of a different type.

The safety razor 10 illustrated in the drawing may be of any standard make and is provided with the usual central opening 11 through which projecting portions of a safety razor extend when the blade is placed in the proper position upon a safety razor.

The support 12 carrying the razor blade may

be made of cardboard, fibre or any other suitable firm but flexible or resilient material, the surfaces of which are preferably water-proofed by waxing or by any other appropriate means. Preferably, the support 12 is of different resiliency than the blade 10.

The support 12 is wider and longer than the blade 10 so that when the support 12 is picked up by the fingers of the user there is no danger that the user will be cut by the sharp edges of the razor blade 10.

The razor blade 10 is glued to the surface 13 of the support 12 by paraffin or any other suitable adhesive material. Preferably the adhesive material is placed upon the surface 13 of the support 12 in the form of four elongated strips 14, 15, 16 and 17. The strips 14 and 16 extend parallel to the strips 15 and 17 and are situated on opposite sides of the central opening 11 of the blade. Of course, the adhesive substance may be applied to the support 12 in any other suitable way.

Perforations or indentations 18 extend across the entire support 12 and are preferably situated in the middle thereof. In the support as illustrated, one row of perforations is shown, but the perforations may extend in two or more parallel rows.

The support 12 is provided with a central elongated opening 19 which is preferably somewhat longer than the corresponding opening 11 of the razor blade 10.

The support carrying the blade 10 is situated in a paper envelope or wrapper 20 shown in Figures 5 and 6 which will be described in greater detail hereinafter.

The manner of using the blade support 12 is illustrated in Figure 3 of the drawing. When the user removes the support 12 from the envelope his fingers do not come in contact with the blade 10, since the support 12 is larger than the blade, so that he can hold the support conveniently between his fingers. In order to be able to place the blade 10 upon a safety razor (not shown), the user must hold the support 12 between the fingers of one hand and gently move the edge 21 of the support toward its edge 22, thereby bending the support 12 along the indented line 18.

The bent portion of the support 12 which carries the layers of adhesive 14 and 15 will easily separate from the adjacent portion of the razor blade, since the adhesive which is sufficiently strong to prevent the shifting of the blade within the envelope 20 is not strong enough to resist the pressure of the fingers. Then the user holding the bent support 12 by two or three fingers of one hand can easily place the blade 10 in the required position upon the safety razor which he holds in his other hand and thereafter remove the support entirely.

Of course, the same result may be accomplished by moving both edges 21 and 22 toward each other simultaneously, while the middle portion of the support is pressed downwardly upon the safety razor. Another convenient method of application consists in holding the edges 21 and 22 by the thumb and middle finger of one hand and pressing the index finger of the same hand adjacent the middle portions of the support, thereby dropping the blade in place.

It will be noted that in the course of this procedure there is no time during which the fingers of the user hold or come in contact with the blade itself, so that any danger of injury to the fingers or to the hand of the user is eliminated.

The blade support 30 shown in Figures 4 and 4a of the drawing is provided with flaps or bent-over portions 31 and 32 which hold the blade 10 so that the support has no adhesive or other additional means maintaining the blade 10 upon the support 30. The flaps 31 and 32 are provided with cut-out portions 33 and 34, respectively. The razor blade 10 which is of standard construction, is provided with the usual projecting end portions 35 and 36 which pass through the openings 33 and 34 respectively and fit snugly into these openings, so that any shifting of the blade 10 upon the support 30 is prevented. Obviously, the support 30 should be wider than its blade 10.

The middle portion of the support 10 is preferably provided with two parallel ridges 37 and 38 (Figure 4a) so that the blade 10 rests upon these ridges and not upon the flat surface of the support. The flap 31 is provided with similar parallel ridges 39 and 40, while the flap 32 is provided with parallel ridges 41 and 42. By this arrangement the blade 10 is conveniently supported without contacting the entire surfaces of the support 30.

In order to place the blade upon a safety razor the user must keep one flap, for instance the flap 32, closed, and open the flap 31, thereby freeing one end of the razor blade. This freed end of the razor blade is first placed upon the safety razor and then the support 30 is removed, leaving the blade in its proper position upon the safety razor. The support 30 also will prevent injury to the fingers of the user, since at no time does the user hold the blade between his fingers while removing it from its envelope and placing it upon the safety razor.

The envelope 20 which encloses the blade 10 and its support is shown in Figures 5 and 6 of the drawing.

The front surface of the envelope 20 is provided with a central depressed flat portion 23 and outstanding ridge portions 24 forming a frame surrounding the central portion 23. The frame portion 24 may consist of a large number of ridges 25 which are impressed upon the paper.

The blade 10 which is situated within the envelope 20 is glued to a support 27 which is larger than the blade and which is provided with upturned flanges 28 and 29 protecting the sharp edges of the blade from contact with the envelope 20.

As shown in Figure 6, the support 27 carrying the razor blade 10 is placed upon the rear surface of the envelope 20. The support 27 fits snugly into the envelope 20 so that any shifting of the support 27 and its blade 10 within the envelope 20 is prevented. The blade 10 is so located within the envelope 20 that its edges are situated below the outstanding portions 24 of the envelop 20. Consequently the edges of the blade 10 are protected by the frame-like portion 24 which forms air-cushions surrounding the edges of the blade, and the upturned edges 28 and 29 of the support 27. Due to this arrangement, any contact between the edges of the blade and the paper is effectively prevented so that there is no danger that the razor blade edges will be damaged or dulled prior to use.

Obviously, various changes may be made in the construction of the device illustrated in the drawing. For instance, a supplementary piece of cardboard 26 may be glued to the central depressed portion 23 of the envelope 20 to ensure further safety of the blade.

The supplementary piece of cardboard 26 may

be of the same dimensions as the support 27 and in such case the outstanding portions 24 may be eliminated entirely.

Any suitable number of blades carried by individual supports may be inserted into a single envelope 20.

Figure 7 shows a support 50 which is provided with upturned hook-shaped portions 51, 52, 53, and 54 holding the blade 10. The blade may be conveniently removed from the support 50 and placed upon a safety razor without coming in contact with the fingers of the user, by bending the support 50 in the middle.

What is claimed is:

1. Blade supporting means, comprising a single support for a single razor blade, said support being in the form of a sheet of firm but bendable material, at least two opposite edges of the support extending at sufficient distance beyond the confines of the corresponding edges of the blade to be supported to permit grasping and bending of the support without contacting the blade, and readily releasable means carried by said support to detachably secure said blade upon the support, said means being located in spaced relation with respect to the apex of bend of the support, so that upon bending of the support the blade will be released.

2. Blade supporting means, comprising a single support for a single razor blade, said support being in the form of a sheet of firm but bendable material, at least two opposite edges of the support extending at sufficient distance beyond the confines of the corresponding edges of the blade to be supported to permit grasping and bending of the support without contacting the blade, and readily releasable means carried by said support on each side of the apex of bend of the support to detachably secure said blade upon the support, so that upon bending of the support the blade will be released.

3. Blade supporting means, comprising a single support for a single razor blade, said support being in the form of a sheet of firm but bendable material, at least two opposite edges of the support extending at sufficient distance beyond the confines of the corresponding edges of the blade to be supported to permit grasping and bending of the support without contacting the blade, and hook-shaped portions carried by said support on each side of the apex of bend of the support to detachably secure said blade upon the support, so that upon bending of the support the blade will be released.

4. Blade supporting means, comprising a single support for a single razor blade, said support being in the form of a sheet of firm but bendable material, at least two opposite edges of the support extending at sufficient distance beyond the confines of the corresponding edges of the blade to be supported to permit grasping and bending of the support without contacting the blade, and readily detachable gluing means carried by said support to detachably secure said blade upon the support, said gluing means being located in spaced relation with respect to the apex of bend of the support, so that upon bending of the support the blade will be released.

5. Blade supporting means, comprising a single support for a single razor blade, said support being in the form of a sheet of firm but bendable material, at least two opposite edges of the support extending at sufficient distance beyond the confines of the corresponding edges of the blade to be supported to permit grasping and bending of the support without contacting the blade, and readily releasable means carried by said support to detachably secure said blade upon the support, said means being located in spaced relation with respect to the apex of bend of the support, so that upon bending of the support the blade will be released, said support having at least one portion which has less material than the rest of the support to facilitate the bending of the latter, whereby said apex of bend of the support is adapted to extend through said portion.

6. Blade supporting means, comprising a single support for a single razor blade, said support being in the form of a sheet of firm but bendable material, at least two opposite edges of the support extending at sufficient distance beyond the confines of the corresponding edges of the blade to be supported to permit grasping and bending of the support without contacting the blade, said support having a central elongated opening which is longer than the central opening provided in the blade, and readily releasable means carried by said support to detachably secure said blade upon the support, said means being located in spaced relation with respect to the apex of bend of the support, so that upon bending of the support the blade will be released.

7. Blade supporting means, comprising a single support for a single razor blade, said support being in the form of a sheet of firm but bendable material, at least two opposite edges of the support extending at sufficient distance beyond the confines of the corresponding edges of the blade to be supported to permit grasping and bending of the support without contacting the blade, said support having a line of indentations extending across said support, and readily releasable means carried by said support to detachably secure said blade upon the support, said means being located in spaced relation with respect to said line of indentations, so that upon bending of the support the blade will be released.

8. Blade supporting means, comprising a single support for a single razor blade, said support being in the form of a sheet of firm but bendable material, at least two opposite edges of the support extending at sufficient distance beyond the confines of the corresponding edges of the blade to be supported to permit grasping and bending of the support without contacting the blade, said support having a central elongated opening which is longer than the central opening provided in the blade, and a line of indentations extending across said support, and an adhesive situated upon said support in parallel rows on both sides of the opening formed in said support and on both sides of said line of indentations, so that upon bending of the support the blade will be released.

9. Blade supporting means, comprising a single support for a single razor blade, said support being in the form of a sheet of firm but bendable material having upturned side flanges extending at a distance from the sharp edges of the razor blade to be supported, at least two opposite edges of the support extending at sufficient distance beyond the confines of the corresponding edges of the blade to be supported to permit grasping and bending of the support without contacting the blade, and readily releasable means carried by said support to detachably secure said blade upon the support, said means being located in spaced relation with respect to the apex of bend of the support, so that upon

bending of the support the blade will be released.

10. Blade supporting means, comprising a single support for a single razor blade, said razor blade having an opening for engaging a razor and recessed shoulder portions, said support being in the form of a sheet of firm but bendable material, at least two opposite edges of the support extending at sufficient distance beyond the confines of the corresponding edges of the blade to be supported to permit grasping and bending of the support without contacting the blade, and readily releasable means carried by said support and engaging the recessed shoulder portions of the blade to detachably secure said blade upon the support, said means being located in spaced relation with respect to the apex of bend of the support, so that upon bending of the support the blade will be released.

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