April 8, 1924. 1,489,379

I. N. ZELLER

SAFETY RAZOR BLADE PACKAGE

Filed Oct. 29, 1921

Fig. 1

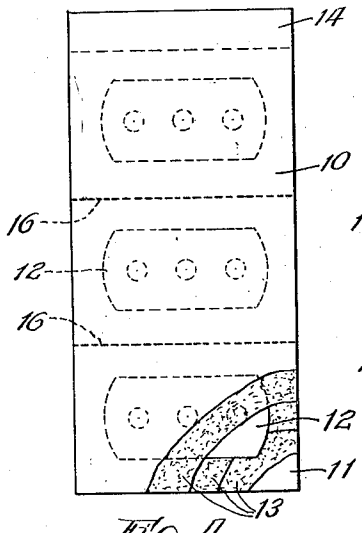


Fig. 2

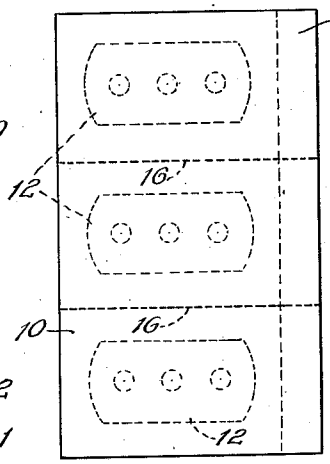


Fig. 3

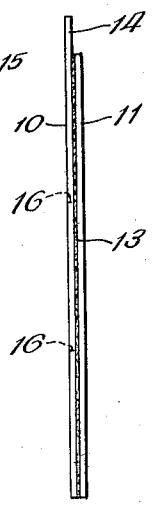


Fig. 4

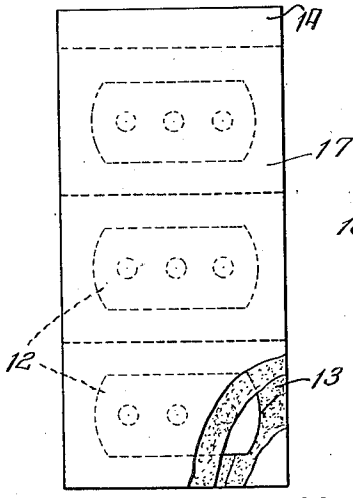


Fig. 5

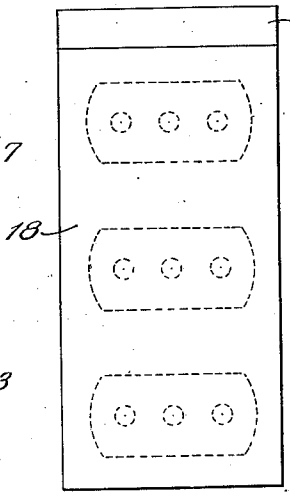


Fig. 6

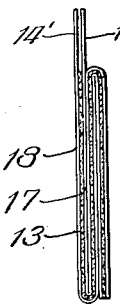


Fig. 7

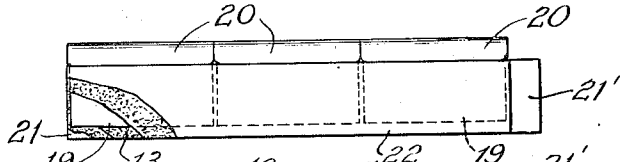


Fig. 8

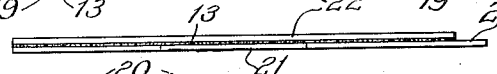
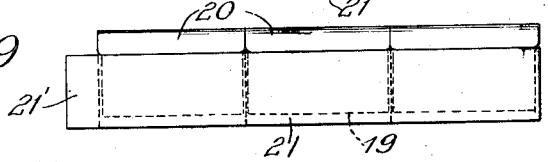


Fig. 9



Inventor:
Josiah N. Zeller
By: Wm. O. Belt
Atty.

Patented Apr. 8, 1924. 1,489,379

UNITED STATES PATENT OFFICE.

ISAIAH N. ZELLER, OF CHICAGO, ILLINOIS.

SAFETY-RAZOR-BLADE PACKAGE.

Application filed October 29, 1921. Serial No. 511,235.

To all whom it may concern:

Be it known that I, ISAIAH N. ZELLER, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Safety-Razor-Blade Packages, of which the following is a specification.

The object of this invention is to provide a safety razor blade package for holding one or more blades securely, with the cutting edges protected, and conveniently disposed so that a blade may be easily removed when required.

Another and important object of the invention is to protect the blade airtightly so as to preserve it in a sanitary condition.

And a further object of the invention is to provide a holder for one or more safety razor blades which comprises an air excluding substance in which each blade is embedded and which is further utilized to secure the parts of the holder together.

In the accompanying drawings illustrating my invention—

Fig. 1 illustrates one embodiment of the invention in elevation, parts being broken away to disclose the several elements of the package;

Fig. 2 is a corresponding view showing a different embodiment of the invention;

Fig. 3 is an edge view of the form shown in Fig. 1;

Figs. 4 and 5 are views of the opposite sides of another embodiment of the invention in which the holder is made of flexible paper, enabling the package to be folded as shown in the edge view, Fig. 6;

Figs. 7 and 9 show opposite sides and Fig. 8 is an edge view illustrating another embodiment of the invention.

Referring to the drawings the invention comprises a holder which consists of two complementary strips 10 and 11 adhesively secured together with one or more blades 12 embedded in the adhesive 13 between the strips. I prefer to provide a tongue on one strip to project beyond the end edge of the other strip as indicated at 14 in Fig. 1, or beyond the side edge of the other strip as indicated at 15 in Fig. 2. I use paraffin, wax or other suitable material for adhesively securing the two strips together and I provide a sufficient quantity of this material in the form of a layer which is spread evenly between the two strips and which completely embeds and encloses the blades 12. Thus the paraffin or other material is employed not only to hold the strips together and to hold the blades in proper position between the strips, but also to provide a protective covering for the blades which will keep them in a clean and sanitary condition.

The package can be conveniently made up by spreading the adhesive material over one face of each of the strips, then applying the blades in a proper arrangement on the adhesive side of one strip, and then affixing the adhesive side of the other strip over the blades whereby both strips are adhesively secured together with the blades interposed therebetween and completely enclosed within the adhesive. Or the adhesive may be disposed over one strip, the blades distributed thereon, additional adhesive disposed over the blades and then the other strip affixed to the adhesive over the blades and other strip. Various other ways of making up the package may be employed within the purview of my invention and it may be found expedient to heat the blades so that they will be satisfactorily encased by and in the adhesive material.

The holder strips may be made of some stiff material, such as cardboard, as indicated in Figs. 1 to 3 and one strip, such as 10, may be scored or kerfed at 16 so that it can be torn off, one section at a time, to give access to one blade at a time. Or the strips may be made of flexible paper 17—18, sufficiently strong for the purpose, so that the holder may be folded into compact shape as shown in Fig. 6.

I have shown a tongue on one strip only in Figs. 1–5 but it is obvious that each of the strips may be extended to form tongues 14′, 14′ as shown in Fig. 6. The tongue should be free of adhesive and by spreading them apart and stripping them back the blade can be easily exposed.

In Fig. 7 I have shown another embodiment of the invention adapted for a style of blade 19 having one edge enclosed in a protecting frame 20. In this embodiment the blades are arranged end to end in more or less close proximity and the strips 21, 22 enclose that part of the blade only below the frame 20, which is sufficient for ordinary purposes because the operative part of the blade is enclosed and protected. This construction presents the additional advantage that any one of the blades can be readily

removed by grasping its frame and withdrawing it from the holder. I may provide one of the strips in the frame illustrated in Figs. 7, 8 with a projecting tongue, as 21', if desired.

The invention provides a safety razor blade package of simple construction, compact in size and arrangement, with the blades separately disposed and encased and held stationary in an adhesive material which wholly excludes air and prevents the blades from rusting or becoming infected or unsanitary. The holder can be easily made and assembled in the form of a complete package for one or more blades and can be easily carried in a pocket or in a traveling case since the cutting edges of the blade are wholly enclosed and protected. If the package contains only one blade access thereto can be easily obtained by separating the strips and for this purpose I prefer to extend one strip beyond the edge of the other to form a tongue, as heretofore described, to facilitate the separation of the strips which can be done by pulling one strip off the other. For example, referring to Fig. 1, access to the upper blade may be obtained by removing that portion of the strip 10 above the scored line below the blade, which can be easily done by grasping the tongue 14 and stripping said portion of the strip 10 off of the strip 11. The blade is held by the paraffin or other adhesive material between these portions of the strip and it may come off with the part of strip 10 removed as aforesaid or it may remain mounted on the strip 11. In either case it can be easily removed from the strip to which it adheres and the adhering paraffin removed, whereupon the blade will be ready for immediate use. The portion of the strip 10 or 11 which is thus stripped off is preferably simply bent back sufficiently to permit removal of the blade, but it may be torn off completely along the scored line if desired. In the construction of Fig. 2 the whole section enclosing the blade to be used is preferably torn off and opened up to expose the blade so that it can be removed for use. In the construction of Figs. 7–9 the blades are preferably taken out one at a time while the holder remains substantially intact, but, if desired, one strip may be removed from the holder, one section at a time, as previously described.

The invention provides a neat, compact and convenient package for safety razor blades in which the blades will be kept in a perfectly sanitary condition, protected from exposure to the atmosphere and so arranged that they will not cause accidental injury. The construction is such that one of the blades can be easily removed for use without disturbing the remainder of the holder and without causing exposure of the remaining blades.

I reserve the right to use any other material besides paraffin for embedding the blades and for holding the two strips together which will satisfactorily answer the purpose and perform the functions required; and I may make the holder in any size and shape and vary its capacity as may be desired.

I am aware that changes in the form and arrangement of parts of my invention may be made without departing from the spirit or sacrificing its advantages and I reserve the right to make all such changes as fairly fall within the scope of the following claims:

I claim:

1. A safety razor blade package comprising two strips arranged one upon the other, adhesive material between the strips securing them together, and a blade embedded in said adhesive material.

2. A safety razor blade package comprising two strips arranged one upon the other, means for securing the strips together at and adjacent the edges thereof, and a protective material arranged between the strips and within said secured edges and having a blade embedded therein.

3. A safety razor blade package comprising two detached strips arranged one upon the other and each strip having its marginal portions adhesively secured to the marginal portions of the other strip, one of said strips having a tongue projecting beyond the edge of the other strip, and a blade held in place between the strips by the adhesive.

4. A safety razor blade package comprising two strips, a coating of paraffin between the strips for securing them together, and a blade embedded in the paraffin.

5. A safety razor blade package comprising two strips arranged one upon the other, one strip projecting beyond the edge of the other to form a tongue, one of said strips being scored at intervals, a coating of paraffin between the strips to secure them together, and blades spaced apart and embedded in the paraffin in the sections formed by the scored lines.

6. A safety razor blade package comprising two detached strips arranged one upon the other and each strip having its marginal portions adhesively secured to the marginal portions of the other strip, a blade arranged between the strips and held in place by the adhesive, and means on one of the strips to facilitate separation of the strips for exposing the blade.

7. A safety razor blade package comprising two detached strips arranged one upon the other and adhesively secured together, a blade arranged between the strips, and a tongue on each strip projecting beyond the

adhesive to facilitate separation of the strips for exposing the blade.

8. A safety razor blade package comprising a plurality of safety razor blades, a strip, a second strip, a layer of adhesive interposed between the strips exceeding in thickness the thickness of a safety razor blade, the razor blades being entirely embedded in the adhesive, a tongue on one of the strips projecting beyond the adhesive, and scored lines on one of the strips to indicate the positions of the blades and to facilitate removal of the blades from the package.

9. A safety razor blade package comprising a plurality of safety razor blades, a strip, a second strip and a layer of adhesive interposed between the strips of a thickness exceeding the thickness of a razor blade, the razor blades being entirely embedded in the adhesive.

10. A safety razor blade package comprising a plurality of safety razor blades, a layer of paraffin exceeding in thickness the thickness of a razor blade, the blades being entirely embedded in the paraffin, and means comprising a strip for packaging the layer of paraffin.

ISAIAH N. ZELLER.