

G. S. HUTCHINGS.

WRAPPER.

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979,307.

Patented Dec. 20, 1910.

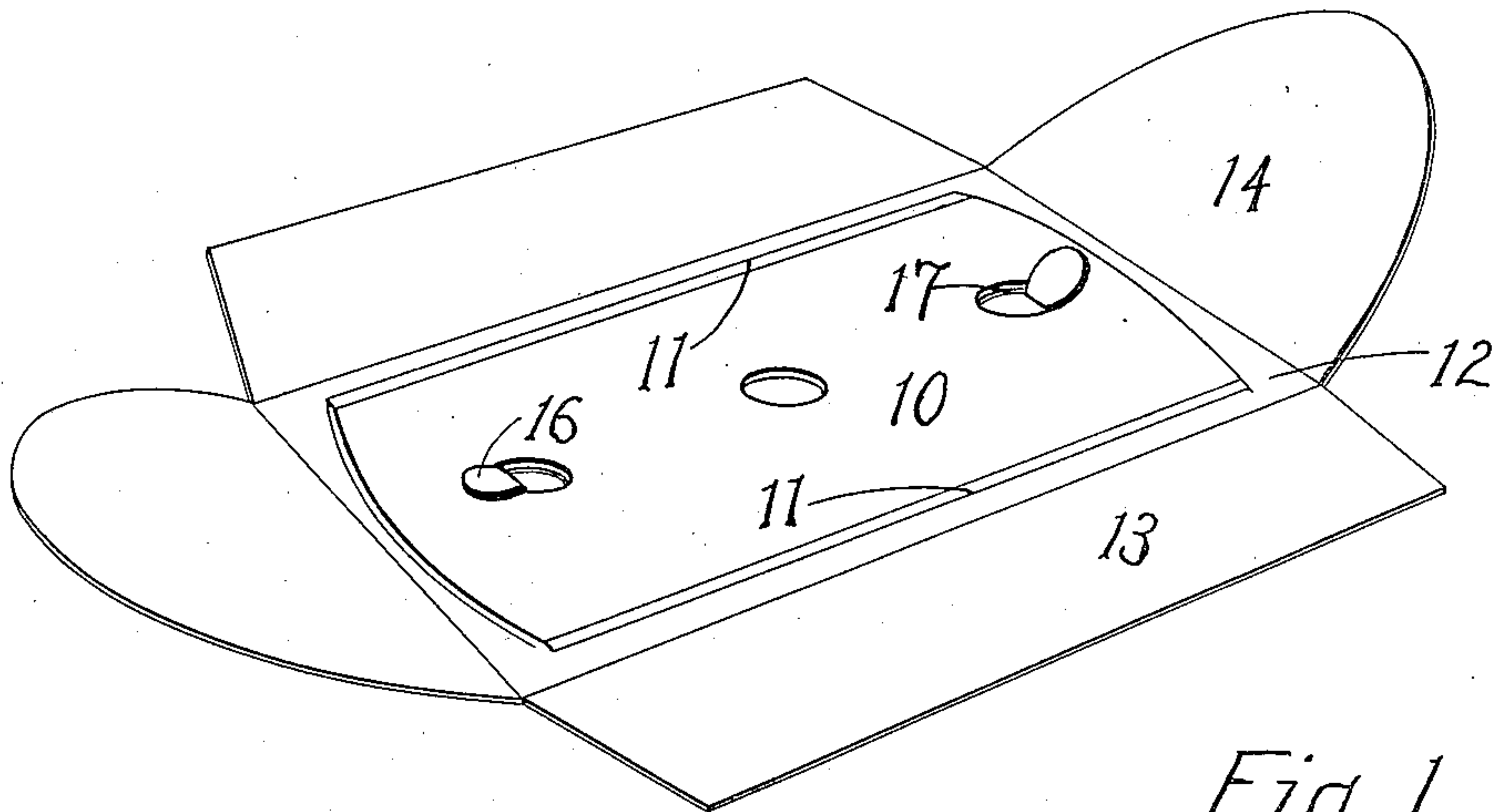


Fig. 1

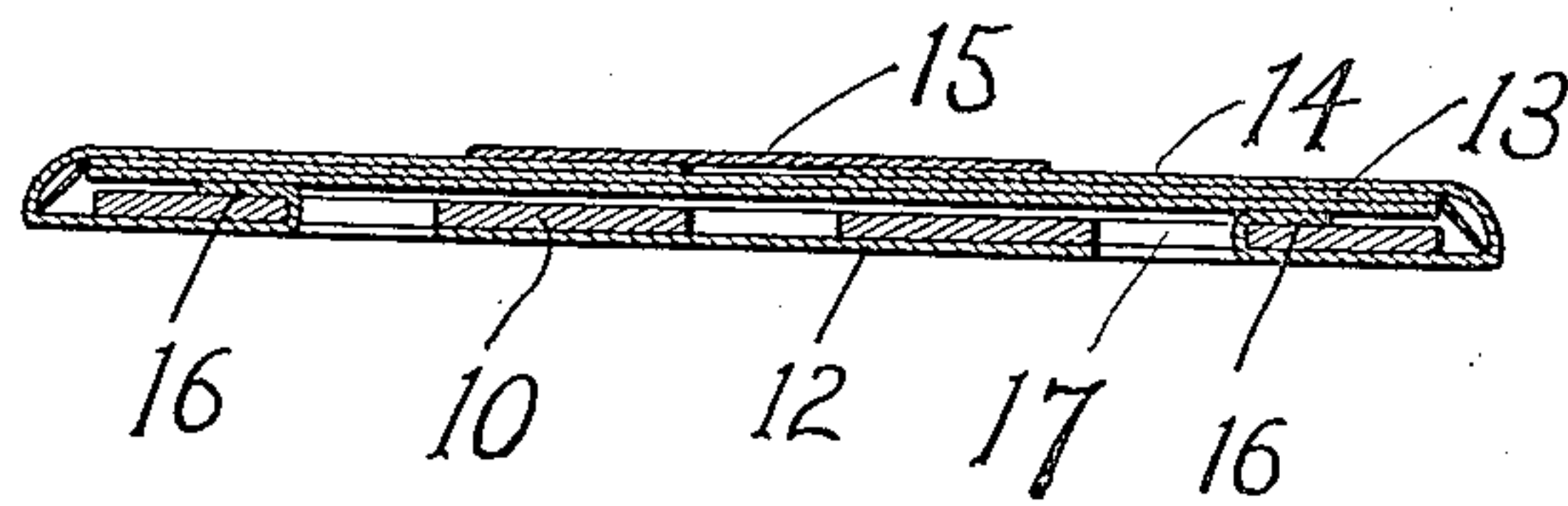


Fig. 2

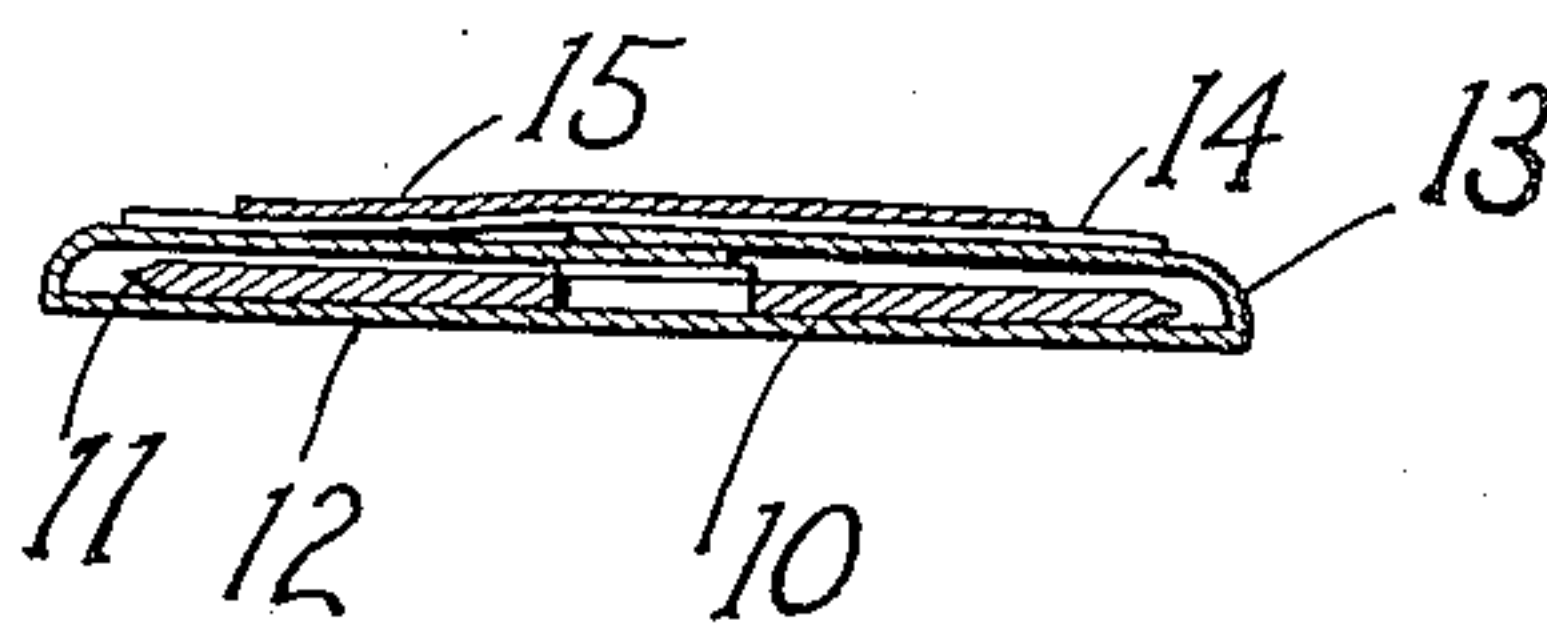


Fig. 3

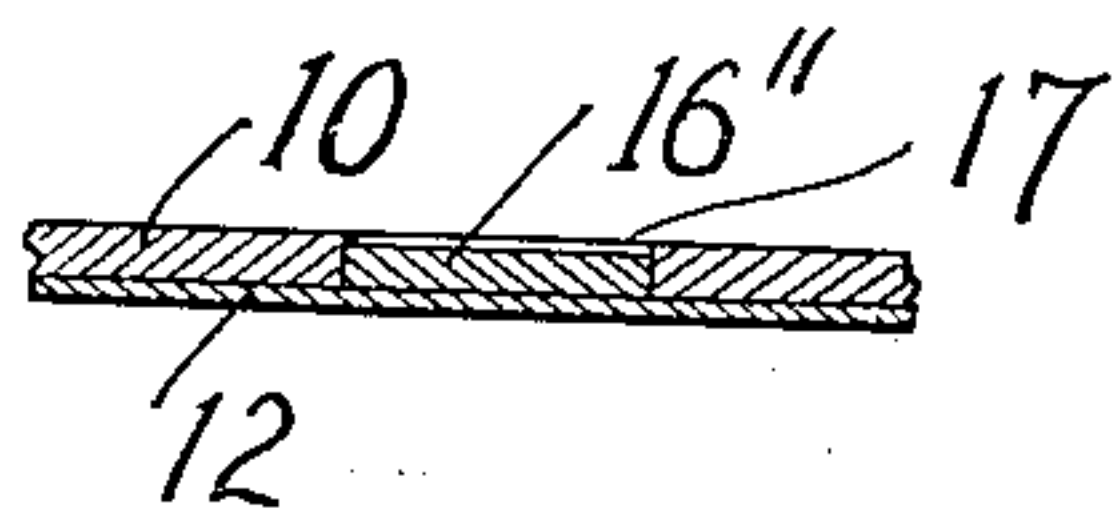


Fig. 4

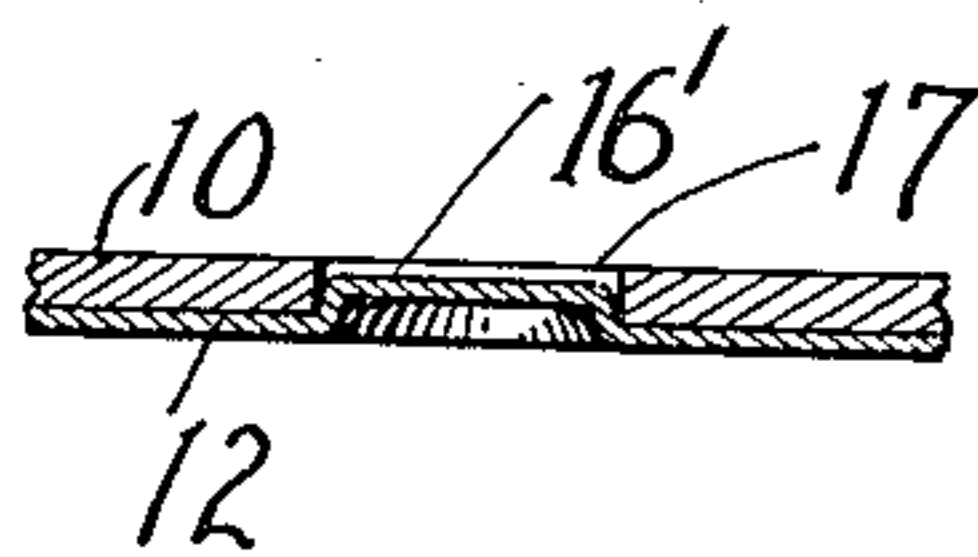


Fig. 5

Witnesses

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GEORGE S. HUTCHINGS, OF CAMBRIDGE, MASSACHUSETTS.

WRAPPER.

979,307.

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To all whom it may concern:

Be it known that I, GEORGE S. HUTCHINGS, of Cambridge, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Wrappers, of which the following is a specification.

This invention relates to blade wrappers and the like.

More particularly, it relates to a combined wrapper and sheath for packing and shipping thin, keen blades, such as are used in safety razors or other implements with removable blades, and for preserving their keenness until wanted for use.

According to the best practice hitherto known, so far as I am aware, it has been customary to grind and strop the blades by machinery at a factory or central distributing point to a high degree of keenness of edge, and then to pack such blades individually in paper wrappers which incase each blade completely. Notwithstanding the care thus taken, purchasers and users not infrequently find that the blade lacks proper keenness of edge. I have discovered that this results from the blades being loose within their cases. During the shocks and jars incidental to normal transportation and handling they shake about, and by the edges being repeatedly thrown against the interior of the paper casing, the extreme keenness is gradually worn away, as is manifest to the user by the unsatisfactory results which the blade gives.

The purpose of the present invention is to provide inexpensive means by which the blades may be individually and completely wrapped in paper and yet retain their keenness of edge by being held with the blade edge permanently out of contact with the wrapper. This is accomplished by the manner shown in the accompanying drawings, in which—

Figure 1 represents one embodiment of the invention with the blade in place and the wrapper ready to be folded. Fig. 2 represents the same folded in section, on the longitudinal medial line. Fig. 3 represents the same, folded, in section on the transverse medial line. Fig. 4 is a detail showing a modified form. Fig. 5 is a detail showing another modified form.

Referring to the drawings: 10 indicates the blade, which is here represented as one of the removable blades of a "safety" razor.

Such blades are of thin steel, double-edged and very keen. In the drawings the keen edges are marked 11. The blade is shown as lying in a paper wrapper, having a body portion 12, side flaps 13 and end flaps 14, which, when folded, completely inclose the blade, as represented in Fig. 2, and are sealed in this position by a gummed wafer 15 upon the top, joining the two outer flaps.

The invention comprises means to hold the keen edges of the blade out of contact with the wrapper; and this is done by anchoring the blade on the body portion 12. The preferred method of accomplishing this consists in punching lugs 16 from the body portion of the paper, bending them through notches or holes 17 formed in the blade and folding them down upon the other side of the blade. In the type of razor blade here represented three such holes are shown, which are the holes used for attachment of the blades to the razor. The ears or lugs 16 may be formed in the paper before the blade is put in place by a punch suited to that purpose; or they may be formed after the blade is in place. In the preferred form the stock which is punched out of the paper is bent into the form of hooks holding the blade, as shown clearly in Fig. 2 at 16, 16. They prevent the blade from moving about within the wrapper. Especially, they prevent its edges 11 from contact with the folded edge of the wrapper 13 (Fig. 3) while the blade is undergoing shipment or handling in its wrapper. The inherent stiffness of the paper maintains the fold at a proper distance from the blade, and the parallel pieces of paper over and under the blade form a fairly stiff sheath safely removed from contact.

Another form of applying the invention is shown in Fig. 5, in which the paper of the wrapper is pressed or molded inwardly, forming an embossed lug 16' which engages in one of the holes 17 of the blade.

In Fig. 4 another method of applying the invention is shown, in which the lug is formed by affixing an extra piece of thick paper or cardboard 16'' adhesively to the body 12 of the wrapper.

The form shown in Figs. 1 and 2 is the preferred form, because the blade is automatically locked upon its folding lugs when the wrapper is closed. The lugs fold over upon the top of the blade and the flaps of the wrapper folding down thereon hold the

lugs in this folded position, thus preventing the blade from slipping off of them. In the form here shown two lugs are used for each razor, but if preferred a single lug might be employed; and notches or holes of different form may be used, and in other respects the application of the principle herein described may be varied without departing from the scope of the invention, and obviously the invention may be applied to blades of other instruments than razors.

I claim:

1. A razor blade package comprising a sheet of material folded to form a supporting section and a protecting section, a razor blade mounted on and held in position on the supporting section with its cutting edge toward but out of contact with the bend of the fold between the supporting section and the protecting section, and positioning means for holding the blade in position on the supporting section by engagement with a part of the blade removed from its cutting edge.

2. A razor blade package comprising a support of sheet material of a width greater than the width of the razor blade, a two-edged razor blade mounted on and held in position on the support with the edges of the support extending beyond and protecting the cutting edges of the blade, positioning means for holding the blade in position on the support by engagement with a part

of the blade removed from its cutting edges, and a protecting sheet to lie against and cover the blade on the support.

3. A razor blade package comprising a support of sheet material, a razor blade mounted on the support in position with an edge of the support extending beyond the cutting edge of the blade to protect the cutting edge, positioning means for holding the blade in position on the support by engagement with a part of the blade removed from its cutting edge, and a protecting sheet arranged to lie against and cover the blade on the support.

4. A razor blade package comprising a support of sheet material, a razor blade mounted on the support in position with an edge of the support extending beyond the cutting edge of the blade to protect the same, and positioning means formed by lugs carried by the support and arranged to extend through an opening in the blade whereby the blade is secured to and held in position on the support with its cutting edge out of engagement with the positioning means.

In testimony whereof I hereto affix my signature, in presence of two witnesses.

GEORGE S. HUTCHINGS.

Witnesses:

ELLIOTT B. CHURCH,
EVERETT E. KENT.