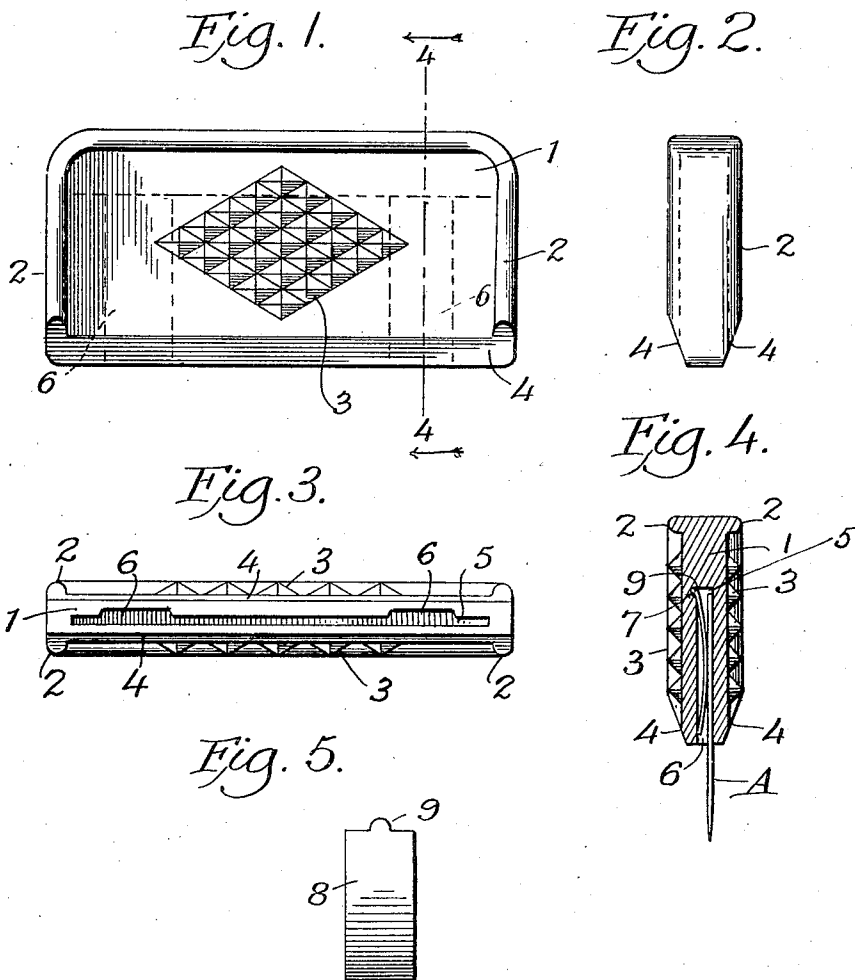


E. BACH AND J. STUART,  
SAFETY RAZOR BLADE HOLDER.  
APPLICATION FILED AUG. 1, 1921.

1,418,352.

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Inventors  
Emmann Bach,  
James Stuart,  
By *E. J. Brandenburg*  
Attorneys

# UNITED STATES PATENT OFFICE.

EMMANN BACH AND JAMES STUART, OF WOONSOCKET, RHODE ISLAND.

SAFETY-RAZOR-BLADE HOLDER.

1,418,352.

Specification of Letters Patent. Patented June 6, 1922.

Application filed August 1, 1921. Serial No. 438,847.

*To all whom it may concern:*

Be it known that we, EMMANN BACH and JAMES STUART, citizens of the United States, residing at Woonsocket, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Safety-Razor-Blade Holders, of which the following is a specification.

This invention relates to a razor-blade knife, consisting of a novel form of knife-handle or holder, by which any standard type of safety-razor blade may be held, the device being suitable for many domestic purposes, such as ripping or cutting cloth, seams, paper, or corns, or for light household work requiring a keen sharp blade.

Since the advent of the safety-razor, the discarded blades have met with wide favour for use in ripping seams, cutting corns, etc., by persons who are in the habit of holding the naked blade in their fingers; but, when the blade is so held, there is danger of slipping of the fingers and cutting the fingers. Our device, presenting a novel form of handle or holder for the blade, enables the blades to be used without danger of cutting the operator's fingers.

The object, therefore, of our invention is to provide a device of the character specified which will be simple and practical in construction and thoroughly efficient in operation.

With this object in view, the invention resides, broadly stated, in a safety razor-blade holder having a socket for the reception of the blade, and means removably disposed in said socket for frictionally retaining a blade therein against accidental displacement.

The accompanying drawing clearly discloses the preferred form of embodiment of our invention it being understood that various changes may be made, especially in detail, within the scope of the appended claims, without departing from the spirit of the invention, or necessarily sacrificing any of its advantages. Briefly described:

Figure 1 is a view in side elevation of the device of our invention;

Figure 2 is a view in end elevation thereof;

Figure 3 is a view in bottom plan thereof;

Figure 4 is a transverse sectional view, on

the line 4—4, Fig. 1, looking in the direction of the arrows; and Figure 5 is a detached, detail view, in side elevation, of one of the leaf-springs for frictionally holding the blade in position.

Referring, now, in detail, to the drawing: 1 designates, generally, the body of the blade-holder, which may be formed of any suitable material,—a suitable material, for the purpose, being the commercial product known as "bakelite," from which the body of the holder may be moulded. The blade-holder may be of appropriate dimensions, preferably of somewhat greater length, width, and thickness than the safety-razor blade to be used therewith; and it may be desirably provided with marginal beads 2, 2 on its two faces, extending around the top and two sides thereof, and may, also, be knurled on its two faces, as shown at 3, 3, to prevent slipping of the fingers of the operator in the manipulation of the device, and may, furthermore, be beveled at the lower end of the two sides or faces, as shown at 4, 4.

The holder or body portion 1 is provided with a socket 5, extending from the beveled bottom of the holder and of a width suitable for the convenient insertion therein of a safety razor-blade A. As shown, the socket is of less length than the body portion 1 of the holder, so that it terminates short of the sides thereof, and also terminates, at its upper portion, short of the top of the body portion 1. Appropriately, the socket 5 is in the form of a slot, of rectangular outline.

One of the walls of said slot or socket 5 is grooved transversely. One or more of such grooves may be provided, and, in this instance, we have shown two, identified by the reference-numerals 6, 6, disposed, preferably, toward the ends of the slot 5. But, while we have shown such grooves as being disposed both in one wall of the slot 5, it is obvious that one thereof may be disposed in one of such walls and the other thereof in the opposite wall; or such grooves may be formed in both walls of the slot 5, in such case the grooves in one wall being advantageously staggered with reference to the grooves in the other wall.

Each of said grooves 6 is provided, at its inner end, with an offset or lateral portion 7.

Adapted to be removably disposed in said 5 grooves 6 are longitudinally-curvilinear leaf-springs 8, each having a lateral toe 9 adapted to seat in the offset portion 7 of the groove 6 in which the spring is disposed, and thus hold the spring against displacement or accidental removal from the body 10 portion 1.

In use, a safety razor-blade A is slid into the socket or slot 5, the springs 8 being thereby flexed and frictionally holding such blade 15 against accidental displacement or removal from the slot 5. The holder 1 may then be conveniently used by the operator, the device, as an entirety, functioning as a knife, in which the knife-blade A is removably dis- 20 posed in the holder or handle portion 1, and in which such blade is frictionally held against displacement or accidental removal. The device is practical and economical from 25 of few parts, easily and quickly assembled.

While we have shown the use of two springs as being preferable, it is to be understood that, obviously, one spring, of greater length than that shown in Fig. 5 of the 30 drawing, may be used; and, in such case, one long groove 6, instead of two grooves, would be utilized. Other changes will readily suggest themselves to those skilled in the art to which our invention pertains.

Having thus fully described our inven- 35 tion, what we claim as new and desire to secure by Letters-Patent is:

1. A safety-razor blade holder, comprising a body portion having a slot, one of the walls thereof being transversely grooved, and 40 a leaf-spring removably disposed in said groove for frictionally holding a safety-razor blade against unintentional removal from said slot.

2. A safety-razor blade holder, compris- 45 ing a body portion having a slot having, at its inner end, a lateral offset portion, and a leaf-spring removably disposed in said slot and having a lateral toe seating in said lateral offset portion of the slot, said spring 50 functioning to hold a safety razor-blade within said slot against unintentional removal therefrom.

3. A safety-razor blade holder, compris- 55 ing a body portion having a slot, one of the walls thereof being transversely grooved, and said groove terminating, at its inner end, in an offset portion, and a longitudinally curvilinear leaf-spring removably disposed in said groove and having a lateral toe seating 60 in said offset portion of the groove, said spring functioning to hold a safety razor-blade within said slot against unintentional removal therefrom.

In testimony whereof, we affix our signa- 65 tures.

EMMANN BACH.  
JAMES STUART.