T. S. ABERNATHY.

RAZOR BLADE KNIFE.

APPLICATION FILED JAN. 21, 1919.

1,300,802.

Patented Apr. 15, 1919.

FIG. 1

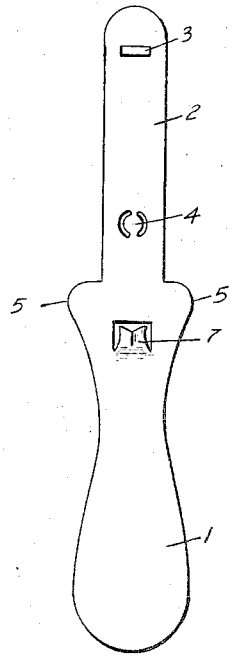


FIG. 2

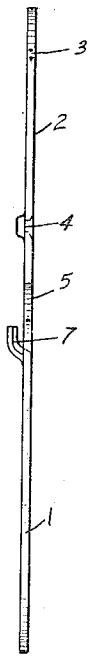


FIG. 3

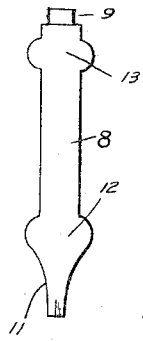


FIG 4

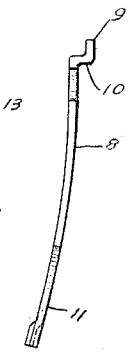
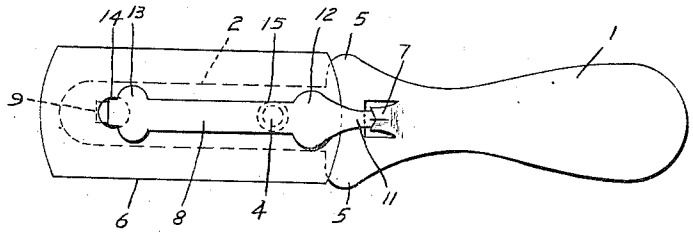


FIG 5



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UNITED STATES PATENT OFFICE.

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RAZOR-BLADE KNIFE.

1,300,802. Specification of Letters Patent. Patented Apr. 15, 1919.

Application filed January 21, 1919. Serial No. 272,397.

To all whom it may concern:

Be it known that I, THOMAS S. ABERNATHY, a citizen of the United States of America, residing at Birmingham, in the county of Jefferson and State of Alabama, have invented certain new and useful Improvements in Razor-Blade Knives, of which the following is a specification.

My invention relates to a razor blade knife consisting of a novel type of knife handle or holder by which any standard type of safety razor blade is held so as to form a knife suitable for many domestic purposes, such as ripping or cutting cloth, paper, corns, or for light household work requiring a keen sharp blade.

My invention is more particularly concerned with the construction of a very cheap and simple safety razor blade holding knife handle which consists preferably of a stamped metal handle having a blade supporting end provided with a stud and a notch, and a spring blade clamp adapted to interlock with the handle slot through the end slot of the razor blade and to be held by a keeper on the handle so as to interlock the blade with the stud. I thus form a very light and inexpensive stamped metal article by means of which discarded razor blades can be utilized which would otherwise be thrown away.

I have illustrated what I regard as the preferred embodiment only of my invention in the accompanying drawings which form a part of this specification, and in which:—

Figures 1 and 2 are plan and side elevations respectively of the handle portion.

Figs. 3 and 4 are plan and side elevations respectively of the blade clamp.

Fig. 5 is a plan view of the razor blade knife showing the razor blade clamped in position.

Similar reference numerals refer to similar parts throughout the drawings.

As illustrated, my invention comprises a handle portion preferably formed of stamped sheet metal and provided with a handle shaped end 1 and a blade supporting end 2, the latter being provided with a slot 3 punched in its outer end and a boss or stud 4 raised near its inner end. The handle is flared to provide rounded guard portions 5 which are overlapped by the inner end of the razor blade 6 and which have a width slightly greater than the width of the blade to form a protection for the hand. The handle is provided with a keeper 7 stamped up from its body portion.

The blade clamp 8 is preferably in the form of a narrow strip of stamped metal provided at one end with a tongue or lip 9 which is connected to the clamp by a short right angled neck portion 10. The clamp preferably has a slight curve lengthwise thereof and terminates at one end in a tip or point 11 adapted to engage and seat in a groove formed in the overhung end of the keeper 7. For the purpose of reinforcing the blade the clamp is provided with enlarged portions 12 and 13 near its ends, its main body portion being just wide enough to cover and conceal the usual slots or openings 14 and 15 formed in the razor blade as illustrated, though it is understood that this blade may have more than two slots or a single elongated slot.

In operation, the razor blade 6 is laid on the handle end 2 and the tongue 9 of the clamp is inserted through the end hole 14 of the blade and through the slot 3 in the handle portion with its convex surface next to the blade. The stud 4 is then caused to engage in the blade slot 15 and the rear end of the clamp is sprung down and moved sidewise so as to catch under and be held in position by the keeper 7. The length of the neck 10 is sufficient to permit the tongue 9 to be padded through the ordinary razor blades and through the slots 3 and to lie flush against the bottom surface of the blade supporting end 2 while the body of the clamp when sprung under the keeper will hold the blade firmly in position on the handle, thus producing a razor blade knife which can be very inexpensively produced and which will serve many useful purposes.

While it is preferable that the stud 4 should be formed on the handle it is within the contemplation of my invention that the co-acting parts of the knife handle shall be provided with any suitable means to interlock with the blade at its end next to the handle when clamped in operating position.

This invention is not intended to be restricted in scope to the specific embodiments shown, but contemplates such modifications as come within the spirit and scope of the claims.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. The hereindescribed razor blade knife comprising a handle having a narrow blade support provided with a stud and a slot adapted to register with openings in a safety razor blade, the slot being near the outer end of the support, a fastening member having a depressed tongue adapted to pass through the registering openings in the blade and its support, and means to secure the other end of said fastener to the handle with the body of the fastening member spring to clasp the blade to its support, the handle having its end adjacent to the blade wide enough to form an end guard for the cutting edges of the blade.

2. In a razor blade knife handle, a stamped metal plate having a keeper struck up from its handle end and having a stud struck up from its blade supporting end, there being a slot in the outer portion of said latter end, said stud and slot being in position to register with openings in a safety razor blade, and a blade clamping member having an offset depressed tongue adapted to pass through the handle slot and having a curved body portion adapted to overlie said stud and at its rear end to be sprung into engagement with said keeper, substantially as described.

3. In a knife handle for safety razor blades, a stamped metal handle having a relatively narrow blade supporting end, the handle being made wider at its point of juncture with the blade supporting end than the width of the safety razor blade to be mounted thereon, said blade supporting end having a slot near its end remote from the handle, a clamp member having a tongue adapted to be inserted through a slot in the razor blade and through said slot in said blade supporting end of the handle, a stud on the blade supporting end near the handle adapted to engage in a slot in the safety razor blade, and a keeper on the handle to engage the free end of the clamp and hold it in razor blade engaging position on the handle, substantially as described.

In testimony whereof I affix my signature.

THOMAS S. ABERNATHY.

Witness:

NOMIE WELSH.