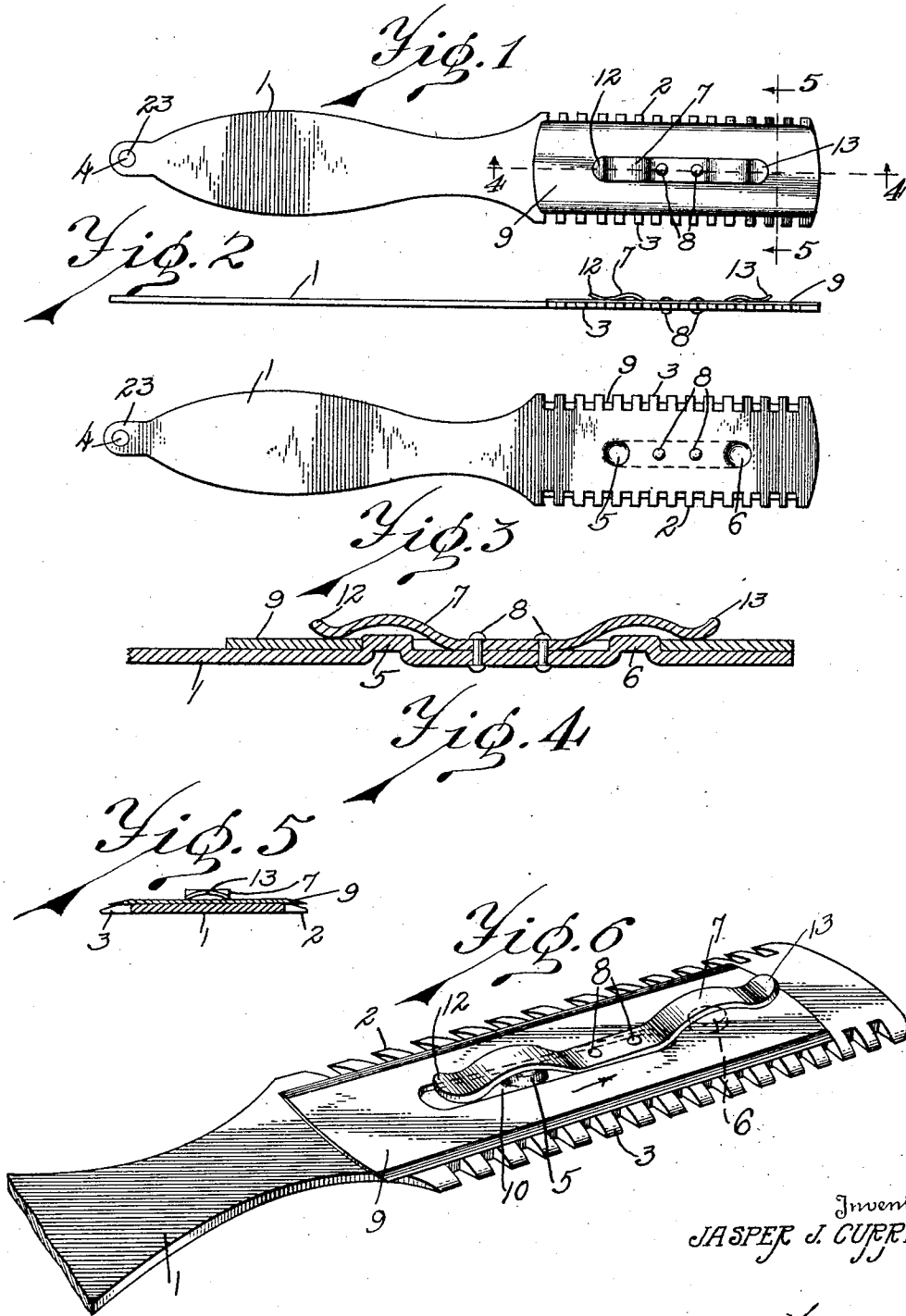


J. J. CURRIE.
SAFETY RAZOR.
APPLICATION FILED NOV. 28, 1919.

1,409,999.

Patented Mar. 21, 1922.



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SAFETY RAZOR.

1,409,999.

Specification of Letters Patent. Patented Mar. 21, 1922.

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To all whom it may concern:

Be it known that I, JASPER J. CURRIE, a citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Safety Razors, and declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to safety razors and the object of the invention is to provide a safety razor which is inexpensive to manufacture and which is very efficient in operation. A further object of the invention is a safety razor frame of a single piece of stamped sheet metal and provided with lugs on one side over which a razor blade is laid in position and held in place by a spring and provided with integrally formed guards for the cutting edge of the blade and further having a spring for releasably retaining the blade in position. These and other objects and the several novel features of the invention are hereinafter more fully described and claimed and the preferred form of construction of the invention is shown in the accompanying drawings in which—

Fig. 1 is a plan view of the safety razor.

Fig. 2 is an edge view thereof.

Fig. 3 is a view of the under side of the safety razor.

Fig. 4 is an enlarged section taken on line 4—4 of Fig. 1.

Fig. 5 is a cross section on an enlarged scale taken on line 5—5 of Fig. 1.

Fig. 6 is a perspective view of the razor showing the manner in which the blade is positioned on the frame.

The device consists of a frame formed preferably of sheet metal and having a handle 1 at one end and guards 2 and 3 at opposite edges adjacent the other end thereof providing guards for the safety razor blade which are of the usual shape adapted to prevent the user from cutting himself. At the end 23 of the handle is a hole 4 for convenience in hanging up the safety razor. As will be noted more particularly in Fig. 4, spaced lugs 5 and 6 are stamped

up from the frame being positioned along the longitudinal center line thereof and a double ended spring 7 is secured to the safety razor frame between the lugs by rivets 8 as shown more particularly in Fig. 4. The razor blade 9 is positioned on the frame over the lugs 5 and 6. The razor blade is provided with a slot 10 as shown in Fig. 6 slightly wider than the width of the spring to allow positioning of the blade over the said spring. When the blade has been thus positioned as shown in Fig. 4, the double ended spring 7 holds the blade on the lugs and in tight engagement with the frame 1. In operation, the razor blade 9 is slipped over one end of the spring 7 until the aperture 10 in the blade passes over the opposite end of the spring 7 and takes the position in Fig. 6. At this point by movement of the blade in the direction of the arrow in said Fig., the blade is moved until the slot 10 therein engages over both lugs 5 and 6 whereupon the spring 7 forces the said blade to the position shown in Fig. 4 and holds the blade in this position. It will be noted that the spring 7 is provided with upturned ends at 12 and 13 to allow the blade to be readily slipped under the spring and the lugs prevent the blade from movement when in use. When the blade and frame have been assembled as shown in Fig. 1, the operator may use the same for shaving after the manner of an ordinary razor and the closeness of the shave depends upon the angle at which the blade is held relative to the face.

It is to be noted that, after the completion of shaving, the blade may be removed from the frame permitting the blade and frame to be readily cleaned. Another particular feature of the invention is the low cost at which the razor frame can be made, it being stamped from a single piece of sheet metal with one stamping which cuts the metal in the shape shown and provides the guards 2 and 3 and at the same time forming the lugs 5 and 6 therein and the aperture 4 in the handle 1.

From the foregoing description it becomes evident that the device is of a very simple nature, is very easily and cheaply made and will not easily get out of order.

Having thus briefly described my invention, its utility and mode of operation, what

I claim and desire to secure by Letters Patent of the United States is—

1. In a safety razor, a sheet metal frame having guards formed on each side for a portion of its length at one end, a pair of spaced lugs formed in the said end, a flat spring fixedly secured to the frame between the lugs and extending thereover, a razor blade having a slot practically centrally between the ends to receive the lugs, said lugs preventing longitudinal displacement of the blade and said spring being greater in length than the length of the slot with the ends thereof engaging the blade.
2. A safety razor comprising a flat sheet metal frame member provided with guards on each side thereof adjacent one end for a portion of its length, the remaining portion being shaped to form a handle, spaced lugs integrally formed at the guard end and on a longitudinal center line of the frame, a flat spring fixedly attached at its center to the guard end between the said lug members, the free ends thereof extending over and beyond the lugs, and a slotted blade adapted to be inserted beneath the spring, each lug engaging a respective end of the slot and the spring member being greater in length than the blade slot and engaging the blade.
3. A safety razor comprising a flat sheet metal frame formed to provide a handle for a portion of its length and having guards on one edge for substantially the remaining portion of its length, lugs provided thereon substantially on the longitudinal center line of the frame and spaced apart, a flat spring member fixedly secured to the frame between the said lugs and extending each way therefrom beyond the lugs, a centrally slotted razor blade, the spring being longer than the

slot and the slot being slightly wider than the spring member and of a length to snugly fit over the said lugs, the free ends of the spring engaging the blade.

4. In a safety razor, a frame member provided with guards for a blade, lugs provided on the frame spaced on a line parallel with the edge of the guards, a flat spring member fixedly secured to the frame between the lugs, the free ends thereof extending each way over each lug out of contact therewith, a razor blade adapted to be inserted beneath the spring and apertured to receive the lugs, the aperture being less in length than the length of the spring with the ends of the spring bearing upon the blade adjacent the lugs.

5. A safety razor comprising a flat sheet metal member shaped to provide a handle for a portion of its length and provided with guards along opposite edges substantially for the remaining portion of its length, a pair of spaced lugs formed integrally on the frame centrally between the said guards, a flat leaf spring member secured to the frame between the said lugs, the ends extending over the lugs and being curved thereover and out of contact therewith, the ends of the said spring being upwardly turned, a razor blade having a longitudinal slot therein greater in width than the width of and less than the length of the spring permitting introduction of the blade thereover substantially as described, the slot being shaped at the ends to engage about each lug respectively, the ends of the spring bearing upon the blade adjacent the respective lugs.

In testimony whereof, I sign this specification.

JASPER J. CURRIE.