Aug. 13, 1929. T. R. McCREERY 1,724,496

SAFETY RAZOR

Filed Oct. 8, 1928

Fig. 1.

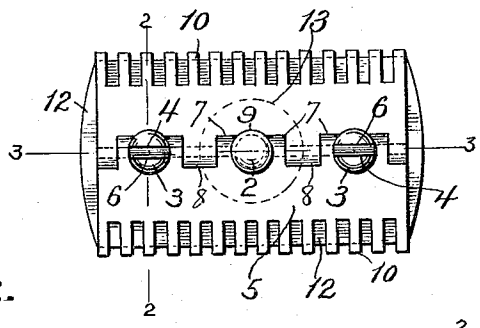


Fig. 2.

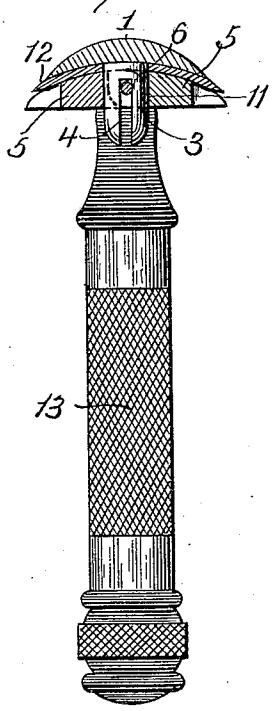


Fig. 3.

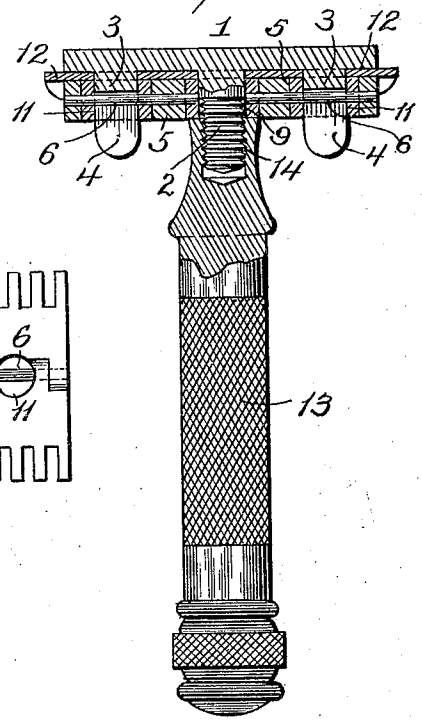
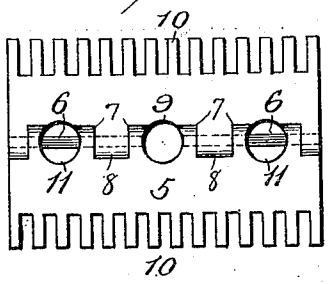


Fig. 4.



Inventor

T. R. McCreery

By Seymour & Bright

Attorneys

Patented Aug. 13, 1929. 1,724,496

UNITED STATES PATENT OFFICE.

THOMAS R. McCREERY, OF BROOKLYN, NEW YORK.

SAFETY RAZOR.

Application filed October 8, 1928. Serial No. 311,197.

This invention relates to improvements in safety razors, and more particularly to a razor in which the guard is split longitudinally of its length, and is provided with spaced hinge pins adapted to be positively received in slotted studs positioned at the opposite sides of the central threaded tightening stud on the cap member.

An object of the invention is to provide an improved safety razor which will utilize a split guard having spaced hinge pins which will be received and held in slotted blade positioning studs on the inner surface of the cap member, thereby affording suitable bearings for said hinge pins.

A further object of the invention is to provide a safety razor with a longitudinally split hinged guard member which will be pivotally supported in slotted studs formed at the opposite sides of the central threaded tightening stud on the inner face of the cap member, said guard member to be movable with respect to said cap member by tightening the handle on said central threaded stud, thereby changing the effective cutting angle of the blade to meet the various requirements of shaving.

Other objects will appear as the description proceeds.

In the accompanying drawings which form a part of my application,

Figure 1 is a plan view of a safety razor embodying my improvements;

Figure 2 is a sectional view taken on the line 2—2 of Fig. 1,

Figure 3 is a sectional view taken on the line 3—3 of Fig. 2, and

Figure 4 is a bottom plan view of the sectional guard.

Like characters of reference are used throughout the following specification and the accompanying drawings to designate corresponding parts.

My improved safety razor comprises a curved cap member 1 having a threaded central tightening stud 2, and blade positioning studs 3 at each side of said stud 2 between the same and the ends of said cap member. The studs 3 are slotted as at 4 longitudinally of the cap member, for purposes later described.

In operation, I will employ a double edge flexible blade having three openings through its body portion to pass over the studs 2 and 3. I may use any shape of studs and openings desired, but have illustrated them in the drawings as being round.

The main feature of my invention is the guard 5, which comprises similar cooperating sections hinged together at their inner edges by means of the spaced hinge pins 6 which extend through the lugs 7 and eyes 8 at either side of the central stud opening 9 in the guard. The inner surfaces of the guard sections are flat, while their outer surfaces are curved in a substantially similar manner as the inner surface of the cap 1. The outer side edges of the guard sections are toothed as at 10. Openings 11 will be formed through the guard 5 to receive the blade positioning studs 3.

The razor will be assembled in the following manner: First, the cap will be held so that the studs 2 and 3 will be in a substantially upright position, after which, a blade 12 will be placed over said studs. The sectional guard 5 will be placed in contact with the blade, with the openings 9 and 11 over the studs 2 and 3, respectively. It will then be seen that the hinge pins 6 will be received in the slots 4 in the studs 3, thereby providing bearings for the said pins. It is intended that the pins 6 may rest at the bottom of the slots 4 or at any point within the limits of the slots. Finally, the handle 13 which is internally screw threaded at 14 will be threaded over the threaded adjusting stud 2, until the blade 12 is bent at the desired cutting angle.

It will be understood that I do not intend to limit myself to the specific construction shown, as many minor changes in detail of construction may be resorted to without departure from the spirit of the invention.

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

In a safety razor, the combination of a

cap member having a central threaded stud and notched blade positioning studs at the opposite sides of said central stud and a blade positioned over said studs, of a guard comprising similar sections pivoted together at their inner longitudinal edges, spaced hinge pins connecting said guard sections, said pins being adapted to seat in the notches in said blade positioning studs, and a handle cooperating with said central threaded stud for varying the cutting angle of said blade.

In testimony whereof, I have signed this specification.

THOMAS R. McCREERY.