J. R. CONKLIN.

SAFETY RAZOR.

APPLICATION FILED MAY 28, 1912.

1,052,039. Patented Feb. 4, 1913.

Fig. 1

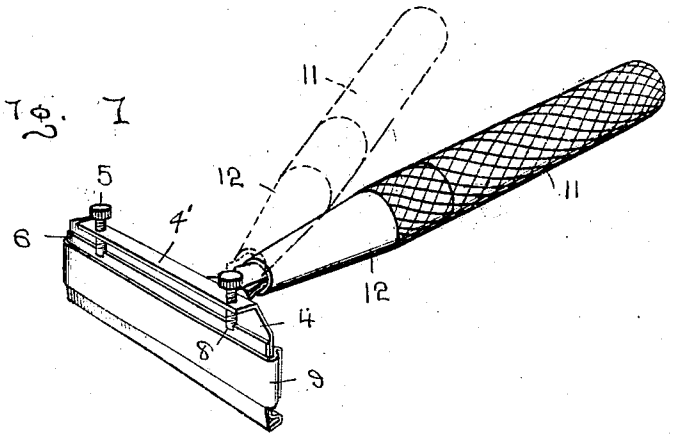
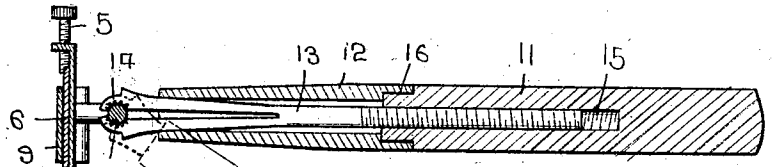


Fig. 2



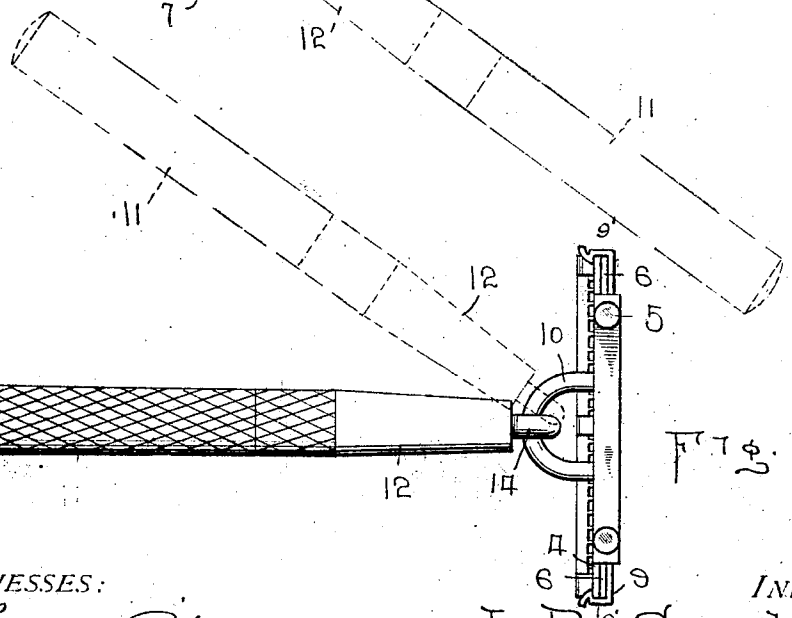


Fig. 3.

WITNESSES:

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SAFETY-RAZOR.

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Application filed May 23, 1912. Serial No. 700,282.

To all whom it may concern:

Be it known that I, JAMES ROSCOE CONKLIN, a citizen of the United States, residing at Carterville, in the county of Jasper and State of Missouri, have invented certain new and useful Improvements in Safety-Razors; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to new and useful improvements in safety razors and the object of my invention is to provide a safety razor which may be adjusted to any desired angle with relation to the handle.

A further object of my invention is to provide means whereby the cutting blade may be quickly and easily secured to the frame, and a still further object of my invention is to provide means whereby the cutting blade may be readily adjusted.

Other objects and advantages of my invention will be made clearly apparent in the specification and pointed out in the claims.

In the accompanying drawings I have shown the preferred form which my invention may take.

In said drawings, Figure 1 is a perspective view of my improved form of safety razor. Fig. 2 is a longitudinal sectional view through the razor, and, Fig. 3 is a top plan view thereof.

Referring to the drawings, in which similar reference characters designate corresponding parts throughout the several views, 4 is the blade supporting frame of my razor, which is preferably of sheet metal and is formed with a flange 4′ on one edge and guard lugs or fingers 7, on its opposite edge. The flange 4′ is provided with an aperture near either end and said apertures are screw threaded and adapted to receive thumb-screws 5, for a purpose hereinafter made clearly apparent. The other end of the frame is cut away at intervals to form a plurality of fingers 7, which are curved, in the manner indicated in Fig. 2, so that the ends of said fingers are in the plane of the cutting blade.

In practice I preferably employ a razor blade provided with a single cutting edge, the opposite edge of said blade being provided with a pair of notches 8 adapted to receive the ends of the thumb-screws 5. The blade is normally held to the frame 4 by means of the spring clip 9, which extends across said blade and from side to side of the frame, said clip 9 having its ends bent so as to form latches 9′ which extend to the rear surface of said frame, as indicated in Fig. 3. When it is desired to secure the blade to the frame, the clip 9, is snapped thereover and the thumb-screws 5 may be adjusted until the cutting edge extends toward the fingers 7 to the desired degree. It is obvious that, by means of the screws 5, either end of the blade may be adjusted independently of the other end thereof, so as to present a uniform cutting edge throughout the entire length of the blade.

Rigidly secured to the rear of the frame is a loop 10, which is substantially U-shaped or semicircular, as clearly shown in Fig. 3 this loop being circular in cross-section.

In order that the razor may be properly manipulated, I preferably employ a handle consisting of an operating end 11, a sleeve 12 and a shank 13. The shank 13 is exteriorly screw threaded at one end and is bifurcated at the other end, said bifurcated ends being outwardly tapered, as indicated in Fig. 2; in other words, the furcations of the bifurcated end have their outer surfaces converging in the direction of the screw threaded end. Said ends are provided with gripping jaws 14 adapted to receive therebetween the loop 10. The gripping jaws 14 are formed on the respective furcations of the shank or stem 13, the inner surfaces of said furcations being oppositely recessed, these recesses being arcuate or concaved and having their axes at right angles to the longitudinal center of the stem 13.

The shank 13 is extended through the sleeve 12 and the screw threaded end thereof is adapted to be received in a screw threaded bore 15 in the end 11. The forward end of the sleeve 12 is of less diameter than the greatest width of the clamping jaws so that when said sleeve is forced longitudinally upon said jaws, due to the end 15 being rotated to draw the shank 13 therein, the jaws will be caused to firmly grip the U-shaped loop 10.

In order that the end 11 may be normally held in alinement with the sleeve 12, I preferably form said end with a reduced end 16, which is adapted to fit in an enlarged portion of the bore formed in the

sleeve 12. In the figures of the drawing I have indicated in dotted lines several positions which may be occupied by the handle and from the foregoing description it will be seen that the handle may be adjusted to any desired position in relation to the frame, as it is only necessary to loosen the end 11 and swing the handle to the desired position, whether up or down, or to either side, and again tighten said end.

While I have shown the preferred form of my invention, I desire it to be understood that various modifications may be made therein without departing from the spirit and scope of my invention.

What I claim as new is:

1. In a safety razor, a blade supporting plate having a semicircular loop thereon, said loop being circular in cross section, and a handle including a clamping member which includes a stem having one end bifurcated and being screw threaded at the other end, the furcations of the bifurcated end having their adjacent inner surfaces provided with opposed arcuate recesses the axes of which extend at right angles to the longitudinal center of the stem, said loop being seated in said opposed recesses, the outer surfaces of said furcations converging in the direction of the screw thread, a sleeve surrounding the stem and adapted for longitudinal movement along said converging outer surfaces for forcing the arcuate recesses into forceful gripping relation with the semicircular loop, and a handle section in engagement with the screw threaded end of the stem and coacting therewith for moving the sleeve longitudinally.

2. In a safety razor, a blade, a blade supporting frame formed of sheet metal bent into such shape that a flange is formed on one edge and a series of guard lugs are formed on its opposite edge, the edge of the blade opposite to its cutting edge being disposed adjacent to said flange, said flange having screw threaded apertures at its opposite ends, thumb screws in the threaded apertures and impinging upon the blade and being adapted for adjusting either end of the latter independently of the other end thereof, a spring clip having latches formed on the opposite ends thereof, said latches being engaged with the rear surface of the frame and coacting therewith for holding the blade on the frame, and a handle secured on said rear surface.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JAMES ROSCOE CONKLIN.

Witnesses:
ADOLPH SCHOENHERR,
F. S. JOHNSON.