Apr. 24, 1923. 1,452,767

A. P. STIANSEN

SAFETY RAZOR

Filed Dec. 23, 1920

FIG. 1

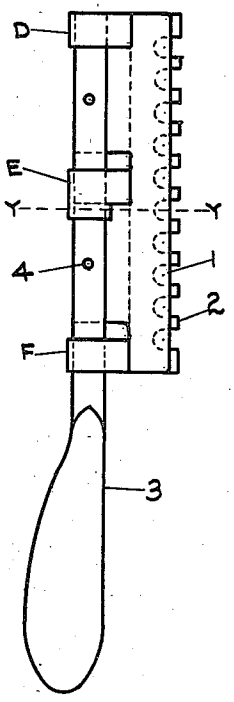


FIG. 2

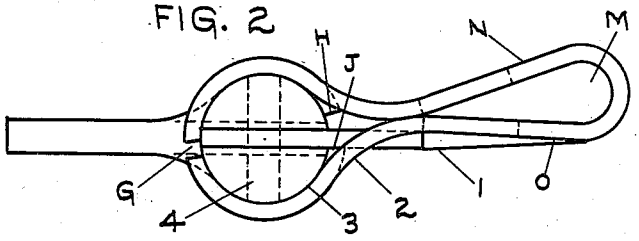


FIG. 3

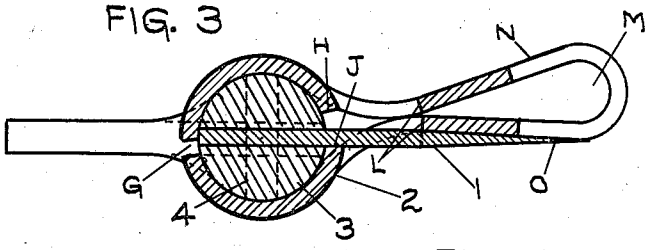


FIG. 4

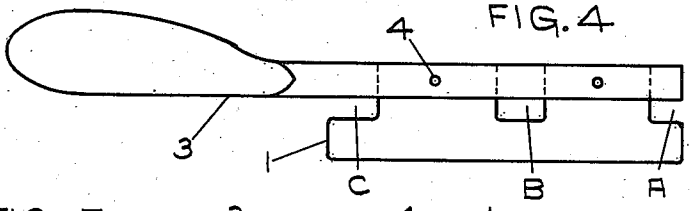


FIG. 5

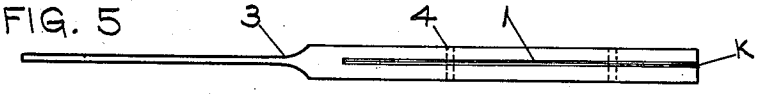


FIG. 8

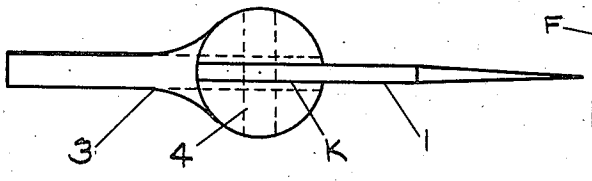


FIG. 6

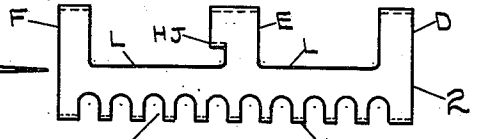
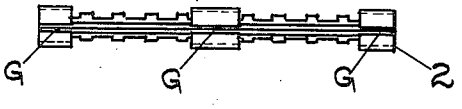


FIG 7



Anton P. Stiansen

INVENTOR.

Patented Apr. 24, 1923. 1,452,767

UNITED STATES PATENT OFFICE.

ANTON P. STIANSEN, OF BROOKLYN, NEW YORK.

SAFETY RAZOR.

Application filed December 23, 1920. Serial No. 432,827.

To all whom it may concern:

Be it known that I, ANTON PETER STIANSEN, a citizen of the United States, and residing in the borough of Brooklyn, in the county of Kings, city and State of New York, have invented a new and useful Safety Razor, of which the following is a specification.

My invention relates to safety razors; and the objects of my invention are, first, to provide a blade permanently fastened to a holder which serves as a handle while shaving and when stropping blade; second, to provide a guard that can be removed to permit stropping blade; and, third, to provide a guard both sides of which are adapted for contact with blade and that is oscillatable on holder and can be used and held in place on either side of blade.

I attain these objects by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation showing the razor with guard in place; Fig. 2 is a top view of Fig. 1; Fig. 3 is a section on line Y—Y; Fig. 4 is a side elevation and Fig. 5 is a front elevation of blade and holder; Fig. 6 is a side elevation and Figure 7 is a rear elevation of the guard; Fig. 8 is a top view of blade and holder.

Similar numerals refer to similar parts throughout the several views.

Number 1 is a blade, preferably made of a high carbon sheet steel, inserted in slot K in holder 3 and held by pins 4. (See Figs. 4 and 5.) Said blade 1 is notched at A, B, and C to correspond with bearings D, E, and F on guard 2, permitting said guard to oscillate on holder 3. (See Figs. 1, 4 and 6.) Number 2 is a guard, preferably made of sheet metal, perforated so as to form notches R along edge P when bent into loop M, the side N, O of loop M converging to L where the greater portion of sides N, O ends, the remaining portion of sides N, O being formed into a tubular or cylindrical shape to serve as bearings D, E, and F, on which said guard oscillates when on holder 3. (See Figs. 1, 2, and 6.) The portion of sides N, O forming bearings D, E, and F, do not meet, leaving a gap G, through which blade 1 slides when guard is removed from, or replaced on holder 3. (See Figs. 1, 2, and 7.) The middle bearing E is extended to form edges H and J which serves as means for holding sides N, O of said guard in opposition to, and against sides of said blade. (See Figs. 1, 3, and 6.) Number 3 is a holder, preferably made of metal rod, the lower portion of which is shaped to serve as a handle for holding razor when shaving and when stropping blade, the upper portion being slotted to receive said blade which is permanently secured by pins 4. (See Figs. 4, 5, and 6.)

I claim as my invention:

1. The combination, in a safety razor, of the blade 1 fastened to the holder 3 and provided with notches A, B and C, a guard 2, provided with a loop M having notches therein and oscillatably mounted on said holder by means of bearings D, E and F, said bearings having a gap G for said blade to slide in on removal and replacement of said guard and the middle bearing E extended longitudinally to form edges H and J providing means for engaging said blade and holding it against either side of said guard; substantially as specified.

2. In a safety razor, and in combination, a blade inserted in a holder said blade having a plurality of notches on the edge inserted in said holder that are coincident with a plurality of bearings on a guard when said guard is mounted on said holder, the journaled portion of said guard serving as means for engaging said blade and holding it in the position for use on either side of said guard.

3. In a safety razor, a blade inserted in a holder, said blade having a plurality of notches on the edge inserted in said holder that are coincident with a plurality of bearings on a guard when said guard is mounted on said holder, said notches in said blade being deep enough to permit the free passage of the walls of said bearings on said guard between said h ter and bottom of said notches in said blade.

4. In a safety razor, a blade inserted in a holder, said blade having a plurality of notches on the edge inserted in said holder that are coincident with a plurality of bearings on a guard when said guard is mounted on said holder, said notches in said blade being wide enough to permit a longitudinal movement of said guard for the purpose of engaging said blade and holding it in the position for use on either side of said guard.

5. In a safety razor, a removable, one-piece, oscillatable, rotatably mounted guard the journaled portion thereof serving as

means for engaging the blade and holding it in the position for use on either side of said guard.

6. In a safety razor, a one-piece guard consisting of a looped portion both sides of which are adapted for contiguity with the sides of the blade and a rear portion adapted for rotatably mounting on the blade holder and having means for engaging said blade and holding said guard in the position for use on either side of said blade.

7. In a safety razor, a one-piece guard having a looped portion both sides of which are adapted for contiguity with the sides of the blade and a rear portion adapted for rotatably mounting on the blade holder and for longitudinal movement on removal and replacement and means for engaging said blade and holding said guard in the position for use on either side of said blade.

A. P. STIANSEN.

Witnesses:
E. SCHMIDT,
M. STIANSEN.