Sept. 30, 1924. 1,510,020

A. SNIEGOCKI

SAFETY RAZOR

Filed July 13, 1922

Fig. 1.

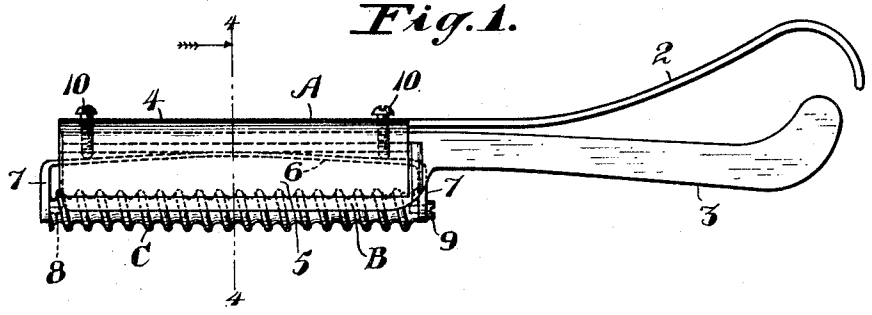


Fig. 2.

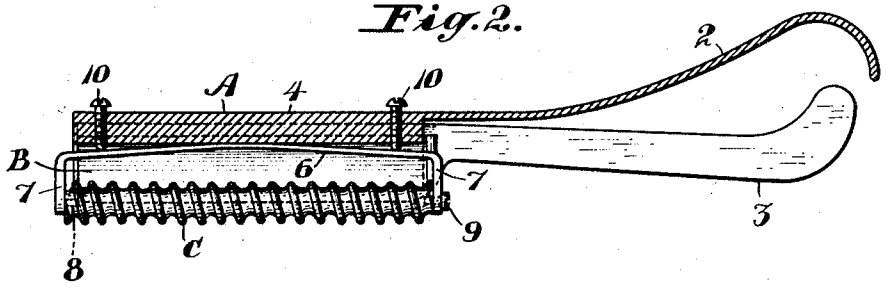


Fig. 3.

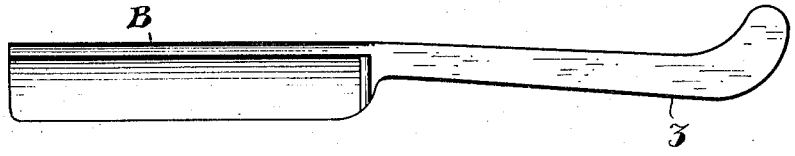
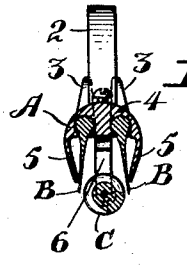


Fig. 4.



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UNITED STATES PATENT OFFICE.

ANTHONY SNIEGOCKI, OF OAKLAND, CALIFORNIA.

SAFETY RAZOR.

Application filed July 13, 1922. Serial No. 574,697.

To all whom it may concern:

Be it known that I, ANTHONY SNIEGOCKI, a citizen of Poland, residing at Oakland, county of Alameda, and State of California, have invented new and useful Improvements in Safety Razors, of which the following is a specification.

This invention relates to razors such as are employed for shaving and especially to that type known as safety razors.

The object of the present invention is to generally improve and simplify razors of the character described; to provide a simple form of holder capable of receiving two shaving blades, said blades being disposed in parallelism and interspaced; to provide a handle for the holder and a handle for each blade, said blade handles cooperating with the holder handle to form a single handle whereby the razor is grasped when shaving and said blade handles permitting ready removal of the blades and individual stropping of the same without the use of special stropping devices; to provide a guard in the form of a roller which is disposed between the blades, and to provide means for vertically adjusting the roller with relation to the blades. Further objects will hereinafter appear.

One form which my invention may assume is exemplified in the following description and illustrated in the accompanying drawings, in which—

Fig. 1 is a side elevation of the razor.

Fig. 2 is a central, vertical, longitudinal section of the same.

Fig. 3 is a side elevation of one of the shaving blades.

Fig. 4 is a cross section of the safety razor taken on line 4—4, Fig. 1.

Referring to the drawings in detail, and more particularly to Figs. 1, 2 and 4, A indicates in general a holder, B a pair of shaving blades, C a guard member, 2 a handle which is formed as an integral part of the holder, and 3 a pair of handles which are formed as an integral part of the shaving blades, there being one handle for each blade. The holder proper consists of a head portion 4, see Fig. 4 in particular, in which is formed two longitudinally disposed slots. These slots extend from end to end of the head member and serve the function of guides and supports for the respective shaving blades. The head member terminates in side plates indicated at 5, which have a slight spring like tendency and these side sections are extended down to a point adjacent the cutting edge of the blades. They engage the blades at this point and serve the function of imposing a slight friction on the blades which is sufficient to hold the same against endwise removal with relation to the head 4 when inserted therein. The head and the side sections 4 may be rounded as illustrated in Fig. 4 to form a desirable contour or shape or they may be otherwise formed. Secured to the head member 4 in any suitable manner and disposed between the blades is a longitudinally extending spring bar 6, which terminates in vertically disposed bearing members 7 and journalled between said bearing members is a guard C. This guard, as will be seen from Figures 2 and 3, is roller shaped and corrugated, the corrugations being of helical or annular formation as desired. The roller is journalled between the bearing members 7 and will freely rotate when shaving and it may be removed with relation to the bearings 7, if desired, by providing a fixed pin 8 at one end and a removable pin or screw at the opposite end. The spring bar is centrally secured with relation to the head and the ends thereof are therefore flexible and are in this instance engaged by set screws 10 extending through the head, said screws when engaging the spring arms permit vertical adjustment of the guard with relation to the cutting edge of the blades.

By referring to Fig. 3 it will be noted that an old fashioned shaving blade is employed and this blade is provided with a handle 3 whereby it may be grasped when the blade is inserted in the head member and whereby it may be grasped for removal. These handles also cooperate with the holder handle 2 to form a single handle which is grasped when shaving and they also form a substantial handle by which the blades may be grasped when it is desired to stop the blades.

The safety razor illustrated in this instance has several advantages when comparison is made with most standard forms of safety razors now employed. For instance: First two sets of blades are employed. Second, long cutting edges which increase the life of the razor. Third, handles are employed on the respective blades whereby they may be readily removed or

inserted and whereby they may be grasped to permit them to be stropped in the same manner as an old fashioned razor, this being of further importance as it eliminates the use of special stropping machines, holders and the like. Fourth, a guard is employed which rotates about its longitudinal axis when the shaving operation is taking place. This is exceedingly important as it does not remove the soap or lather when shaving, that is most forms of safety razors employed are provided with a stationary comb-like guard and this guard has a tendency to scrape the soap off the surface to be shaved before the cutting blade has a chance to perform its function. In the present instance this is avoided as the guard merely rolls over the surface to be shaved and will therefore not remove the lather therefrom. Fifth, vertical adjustment of the roller or guard is permitted and each razor may therefore be adjusted to suit the individual user. The present razor combines the advantages of a safety razor and an old fashioned razor. It does not scrape off the lather before the shaving blades reach the surface to be shaved and while it otherwise functions as a safety razor, it also functions as an ordinary old-fashioned razor and as such combines the virtues of the two.

While certain features of the present invention are more or less specifically illustrated, I wish it understood that various changes in form and proportion may be resorted to within the scope of the appended claims, similarly that the materials and finish of the several parts employed may be such as the experience and judgment of the manufacturer may dictate or various uses may demand.

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

1. A safety razor comprising a holder, a pair of interspaced removable shaving blades adapted to be received thereby, said blades being disposed in parallelism, a roller disposed between the blades and extending substantially from end to end thereof, said roller being free to rotate and forming a guard for the respective blades, a spring disposed between the blades and secured midway of its ends to the holder, a pair of set screws one disposed at each end of the holder and engageable with the spring, and a bearing member at each end of the spring for the support of the roller.

2. A safety razor comprising a holder, a pair of interspaced removable shaving blades adapted to be received thereby, said blades being disposed in parallelism, a roller disposed between the blades and extending substantially from end to end thereof, said roller being free to rotate and forming a guard for the respective blades, a spring disposed between the blades and secured midway of its ends to the holder, a pair of set screws one disposed at each end of the holder and engageable with the spring, a bearing member at each end of the spring for the support of the roller, a handle on the holder, and a handle on each razor extending below the holder handle and in parallelism therewith, said three handles forming a common handle whereby the razor may be held.

ANTHONY SNIEGOCKI.