

P. QUINT.
SAFETY RAZOR.
APPLICATION FILED OCT. 25, 1910.

Patented Nov. 21, 1911.

1,009,572.

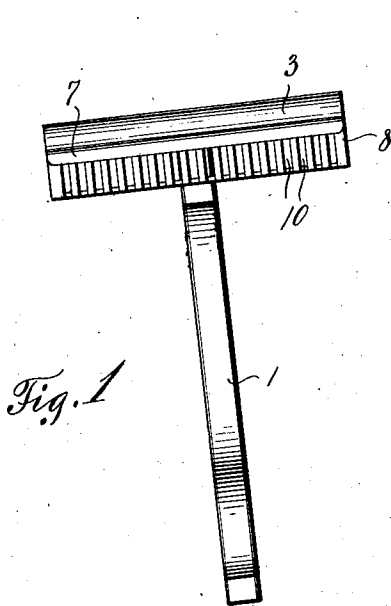


Fig. 1

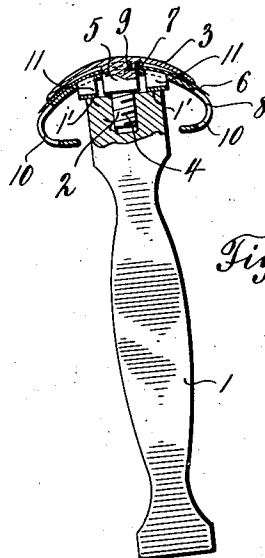


Fig. 3

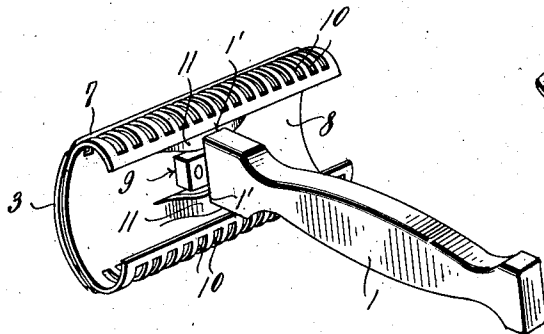


Fig. 2

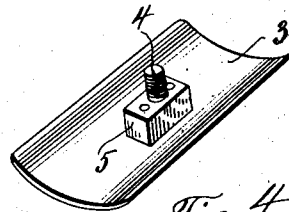


Fig. 4

Witnesses

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PHILIP QUINT, OF BOSTON, MASSACHUSETTS.

SAFETY-RAZOR.

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To all whom it may concern:

Be it known that I, PHILIP QUINT, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Safety-Razors, of which the following is a specification.

My invention relates to improvements in safety razors and has particular reference to that class of razors using flexible blades, having either single or double edges, the object being to provide a simple device easily and quickly manipulated so as to effectually perform the function intended.

My device is so constructed that by a slight fractional turn of the handle the several parts may be disassembled for cleaning purposes or otherwise. At the same time, the slightest part of a turn in the opposite direction binds the parts into position for operation.

For a full understanding of the invention, reference is to be had to the following description and to the accompanying drawings, in which:—

Figure 1 is a side elevation of the razor with the parts in position for use; Fig. 2 is an inverted perspective view; Fig. 3 is a vertical cross sectional view; and Fig. 4 is a detail perspective of the clamping plate.

Throughout the following description and on the several figures of the drawings, similar parts are referred to by like reference characters.

Referring to the drawings, 1 is a handle, preferably rectangular in shape, having an internally threaded socket 2 therein into which the clamping plate 3 is adapted to be fastened by means of a threaded stud 4. This clamping plate is transversely curved and has centrally located thereon a rectangular boss or stud 5 from the center of which extends the said threaded stud 4.

6 represents a flexible blade with preferably two cutting edges and having centrally located therein a rectangular shaped slot 7 which is adapted to fit firmly over the boss 5, to properly position the blade on the clamping plate.

8 indicates a guard-piece having also a centrally disposed slot 9 adapted to receive the boss 5 in the same manner as the blade 6. The guard-piece 8 is curved transversely and provided with the guard-slots or notches 10 on its longitudinal edges which so project beyond the cutting edges of the

blade as to protect the skin of the user when shaving. In this instance, the guard-piece 8 is provided with spaced spring cams 11, preferably pressed outwardly from its body by any well known means, on either side of the slot 9, which are adapted to engage with the handle 1 when the same is screwed on the stud 4, by means of the opposite shoulders 1' and thus cause the flexible blade to be drawn down and held in operative position.

In assembling the parts of this razor, the blade 6 is placed on the clamping plate 3, and the guard-piece 8 is placed thereon, both being properly positioned by the rectangular boss 5, after which the handle 1 is screwed on and when the same is screwed down far enough to engage the cams 11, the several parts are held snugly in proper position for use, practically only a quarter turn then being necessary to place the razor in operative condition. As before mentioned, preferably the cams 11 are made by pressing the metal outwardly from the body of the guard-piece 8, thereby forming members having a certain amount of yieldability or spring action.

As hereinbefore mentioned, a special feature of the present device is to construct a safety razor in which the parts are so arranged that only a slight turn of the handle is necessary to permit the blade clamping plate and guard parts to be separated, whereby lather and other foreign matter may be readily removed for cleansing purposes.

The above operation is permitted by reason of the fact that a quarter turn of the handle 1 will disengage the same from the cams 11 and the guard piece is movable toward the handle, on the boss 9, sufficiently to separate the parts 8 and 6 from the clamping plate 3. While loosely supported by the boss 9, the above parts may be cleansed by permitting water to run thereon and therebetween, after which the parts are properly positioned in the manner hereinbefore described.

Obviously I do not wish to be confined to the use of double edged blades nor to the use of two cams for the invention may be modified in respect to these features.

Having thus fully described my invention, what is claimed as new is:—

In a razor, the combination with a clamping plate having a boss projecting there-

from, a guard-piece having spaced cams on one side thereof and a slot therein to receive said boss, a threaded stem projecting from said boss, a blade clamped between the
5 guard-piece and said clamping plate and having a slot therein to receive said boss, and a handle screwed upon the threaded stem and having opposite shoulders engage-

able with the cams to firmly clamp the guard-piece to the clamping plate. 10

In testimony whereof I affix my signature in presence of two witnesses.

PHILIP QUINT.

Witnesses:

H. G. CLOYES,

WM. V. DWYER.