No. 685,098. Patented Oct. 22, 1901.

J. A. BUTLER.

SAFETY RAZOR.

(Application filed July 29, 1901.)

(No Model.)

Fig. 1

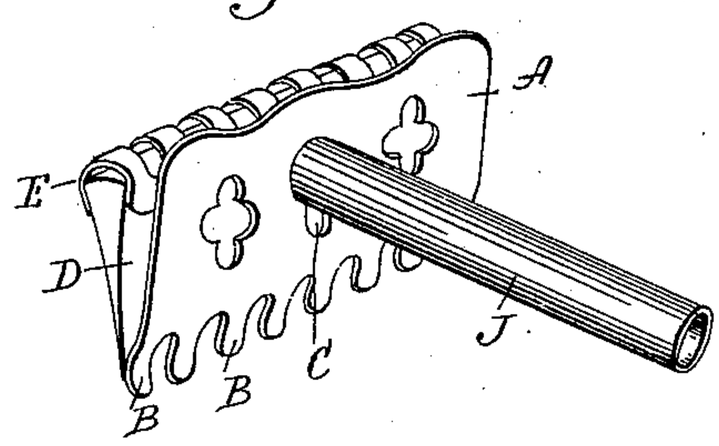


Fig. 2

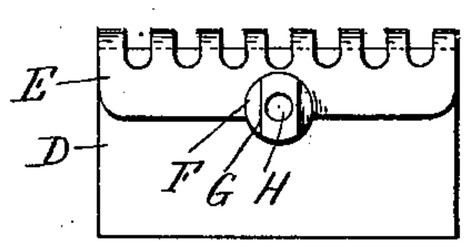


Fig. 3

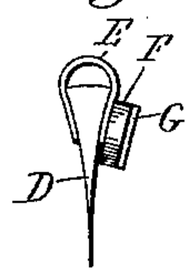


Fig. 4

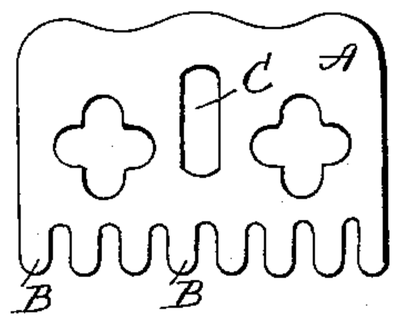


Fig. 5

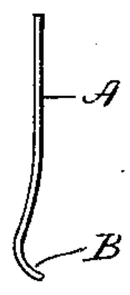


Fig. 6

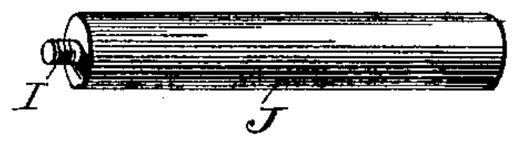


Fig 7

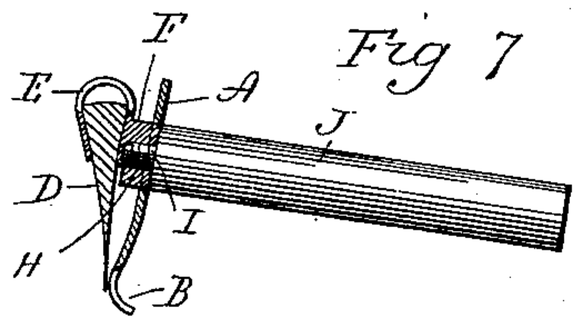
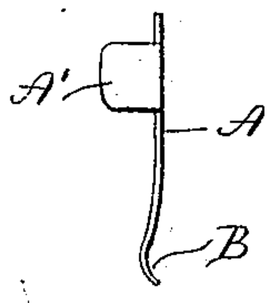


Fig. 8



Witnesses.
J. F. Shumway
Lillian D. Kelsey.

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Inventor.
By Atty Seymour & Earle

UNITED STATES PATENT OFFICE.

JOHN A. BUTLER, OF SOUTHINGTON, CONNECTICUT, ASSIGNOR TO THE SOUTHINGTON CUTLERY CO., OF SOUTHINGTON, CONNECTICUT, A CORPORATION.

SAFETY-RAZOR.

SPECIFICATION forming part of Letters Patent No. 685,098, dated October 22, 1901.

Application filed July 29, 1901. Serial No. 70,056. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. BUTLER, of Southington, in the county of Hartford and State of Connecticut, have invented a new and useful Improvement in Safety-Razors; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a perspective view of a safety-razor constructed in accordance with my invention; Fig. 2, a view of the blade-holder and blade detached; Fig. 3, a side or edged view of the same; Fig. 4, a plan view of the plate detached; Fig. 5, an edge view of the same; Fig. 6, a perspective view of the handle detached; Fig. 7, a view, partially in section, of the blade-holder and blade connected with the plate by the handle, as assembled for use; Fig. 8, an edge view of a modified form of plate.

This invention relates to an improvement in safety-razors, and particularly to that class in which the blade is clamped to the guard-plate through the medium of the handle, the object being a simple arrangement of parts, whereby the blade may be easily clamped in position and adjusted, as desired.

As herein shown, the guard-plate A is of substantially the usual shape provided at one edge with the usual bowed teeth B, and in this plate is a slot C. The blade D is of the usual form of safety-razors, and is adapted to be entered into a blade-holder E, the sides of which tightly clasp the opposite faces of the blade. In one side of the blade-holder is a hub F, the sides of which are cut away to form a longitudinal shoulder G, corresponding in width to the width of the slot C in the plate through which it extends. This hub is also provided with a threaded opening H, to receive the screw-threaded stem I of the handle J, which when turned into the hub F comes to a bearing upon the outer face of the plate A and clamps the blade thereto. The elongated shoulder G, resting in the slot C, prevents the blade from turning with relation to the plate. This construction enables the parts to be readily assembled and the blade moved toward or from the outer edge of the plate, as required.

The plate A may be provided with side flanges A′, as shown in Fig. 8, which flanges will also serve to hold the blade in position, although they are not absolutely required.

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

1. A safety-razor, comprising a plate formed at one edge with teeth, and with a centrally-arranged slot, a blade-holder adapted to receive a blade, said holder provided with a hub having a shoulder adapted to extend through the slot in the said plate, and a handle adapted for engagement with said hub whereby the blade-holder is clamped to said plate, substantially as described.

2. A safety-razor, comprising a plate having a slot, a blade-holder adapted to receive a blade, and formed at one side with a hub, a shoulder on said hub adapted to extend through said slot, and a handle having a screw-threaded stem adapted to enter said hub, whereby the blade-holder is clamped to the plate by the end of the handle, substantially as described.

3. A safety-razor comprising a plate formed at one edge with teeth, and with a centrally-arranged opening, a blade-holder adapted to receive a blade, said holder provided with a hub, and a handle adapted for engagement with said hub through the opening in a plate whereby the blade-holder is clamped to said plate substantially as described.

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

JOHN A. BUTLER.

Witnesses:

FREDERIC C. EARLE,

LILLIAN D. KELSEY.