

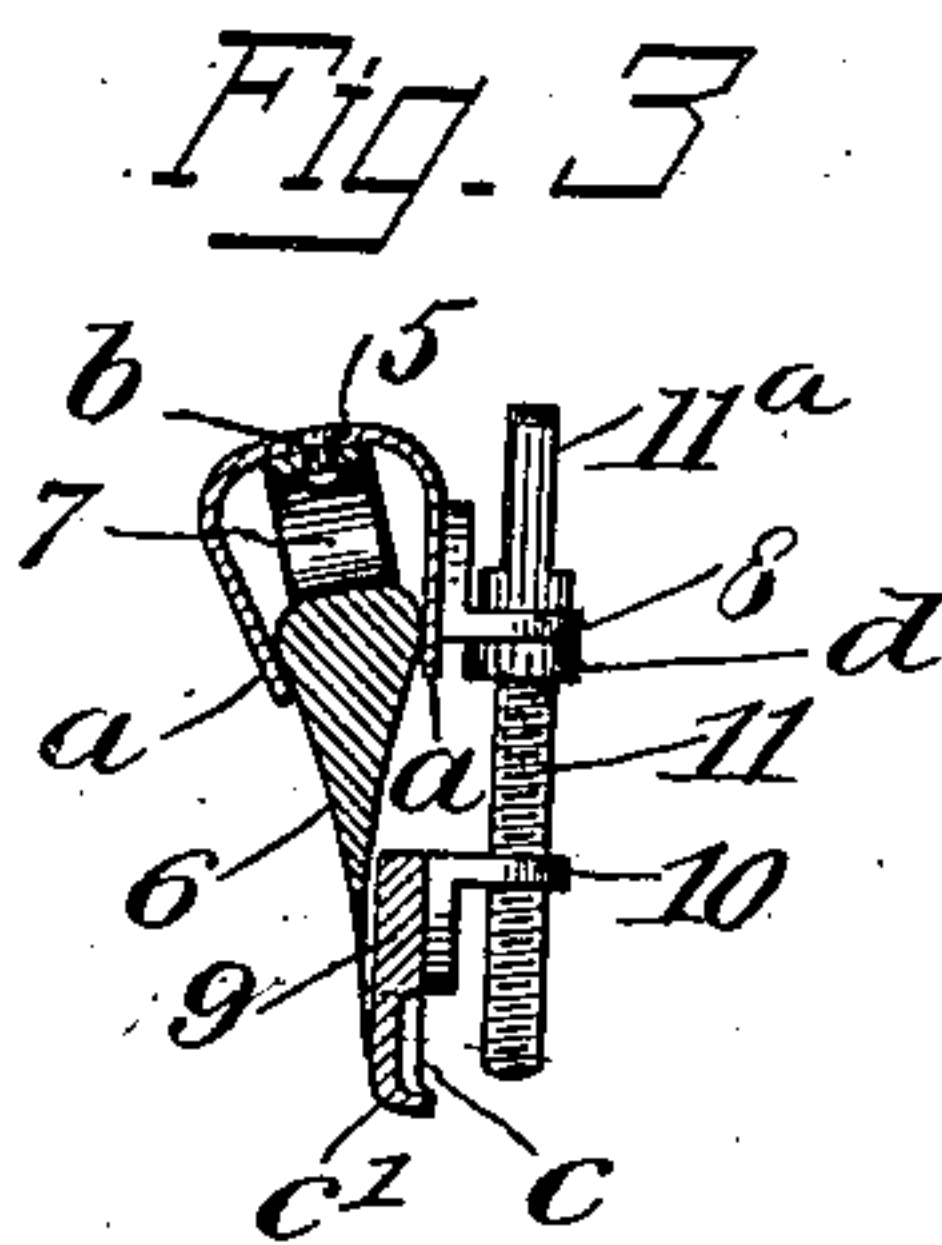
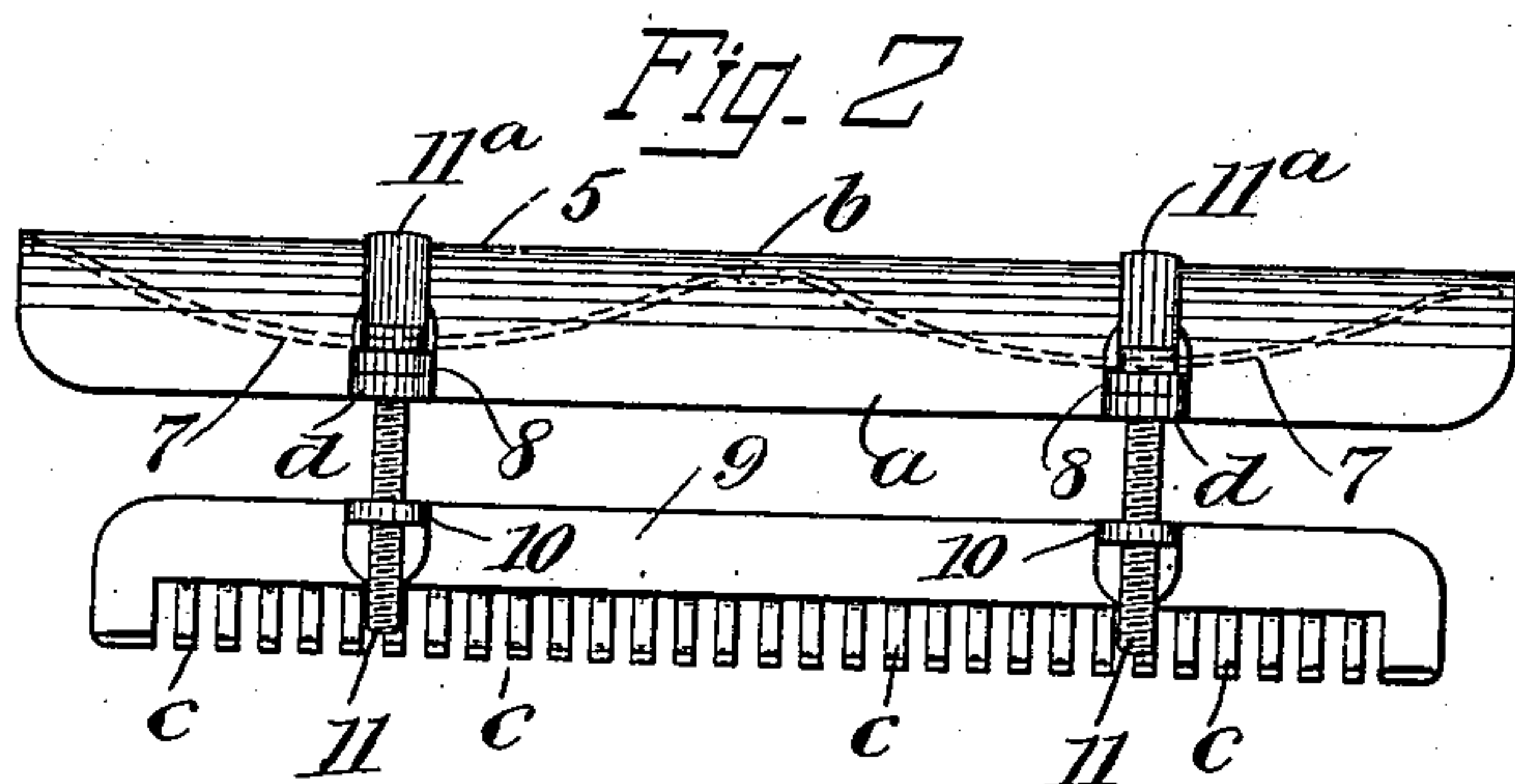
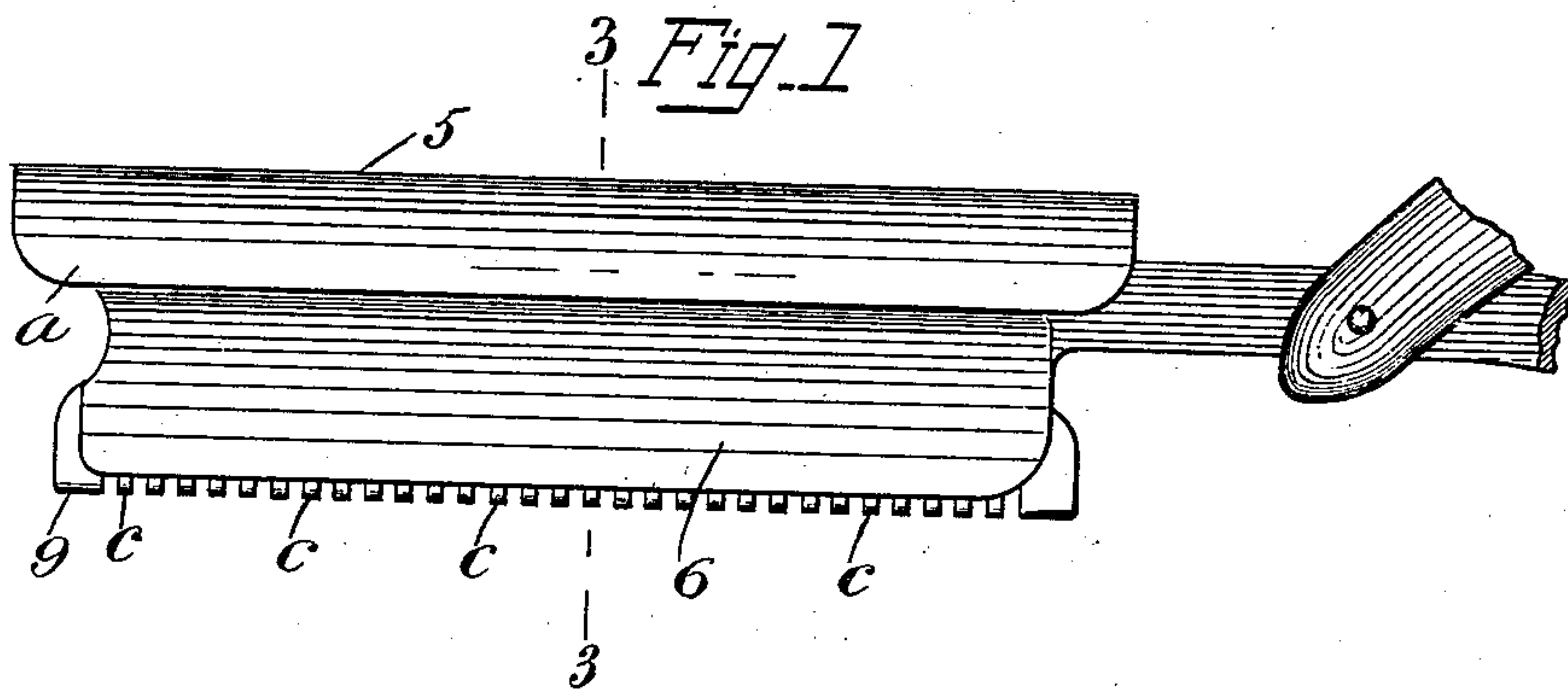
No. 742,692.

PATENTED OCT. 27, 1903.

A. A. LUX.  
SAFETY GUARD FOR RAZORS.

APPLICATION FILED MAY 25, 1903.

NO MODEL.



WITNESSES:  
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## UNITED STATES PATENT OFFICE.

ALFRED AUGUST LUX, OF ST. PAUL, MINNESOTA.

## SAFETY-GUARD FOR RAZORS.

SPECIFICATION forming part of Letters Patent No. 742,692, dated October 27, 1903.

Application filed May 25, 1903. Serial No. 158,656. (No model.)

*To all whom it may concern:*

Be it known that I, ALFRED AUGUST LUX, a citizen of the United States, and a resident of St. Paul, in the county of Ramsey and State of Minnesota, have invented a new and Improved Safety-Guard for Razors, of which the following is a full, clear, and exact description.

This invention relates to guards for razors designed to protect the face from being accidentally cut with the razor while it is in use, and has for its object to provide novel simple details of construction for an attachable razor-guard which may be applied upon any razor-blade of ordinary form, be adjustable with regard to the cutting edge of the razor, be light, shapely, convenient to place and remove, and that will effectively protect the face from injury while the razor is used freely in the usual manner.

The invention consists in the novel construction and combination of parts, as is hereinafter described, and defined in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a side view of the improved safety-guard and of an ordinary razor-blade whereon the guard is mounted. Fig. 2 is a side view of the improved guard detached from the razor; and Fig. 3 is a transverse sectional view of the razor-blade and the guard thereon, substantially on the line 3-3 in Fig. 1.

A clamping-bar 5, preferably made of metal, forms the supporting-frame for the other details of the improved guard, and, as shown, comprises an elongated plate-metal strip bent or otherwise given a substantially U shape considered transversely, the two spaced members *a* thereof being spaced apart sufficiently to permit their loose clamping engagement with the back portion of a razor-blade 6 when it is introduced between said members of the clamping-bar.

Preferably the hollow clamping-bar 5 is so proportioned in length that it may project beyond each end of the razor-blade, and in the space between the sides *a* of the clamping-bar an undulating spring 7 is introduced and secured near the longitudinal center of the

hollow clamping-bar by means of a rivet *b*, that passes through aligned perforations in the web-wall of the clamping-bar and in the spring near the center of the same.

It will be seen that the shape of the spring 7 affords two arched integral portions which lie between the spaced walls *a*, and these arched portions of the spring serve as seats whereon the back of the razor-blade 6 impinges when the clamping-bar 5 is mounted upon said razor-blade.

Upon one side wall *a* of the clamping-bar 5 a plurality of angular brackets 8 are secured by one member, the remaining member of the bracket projecting outwardly. As shown, two brackets 8 are employed that are suitably spaced apart, and the projecting member of each angular bracket 8 is centrally perforated.

A guard 9 is provided nearly equal in length to the clamping-bar 5, and consists, essentially, of a flat metal strip furnished with spaced fingers *c*, that in series are disposed along the normal lower edge of the guard, and the fingers *c* may with advantage have one lower corner rounded, as shown in Fig. 3 at *c'*. At suitable points on one side of the flat portion of the guard 9 are affixed two right-angled brackets 10 similar to the brackets 8 and having an equal degree of separation from said brackets. The brackets 10 are secured upon the side of the guard 9 opposite the side that in service lies adjacent to the razor-blade, and said brackets are perforated centrally and threaded in said perforations.

Two similar adjusting-screws 11, each having a head 11<sup>a</sup>, that seats on a respective bracket 8, are loosely inserted down through the perforations in said brackets and are screwed through the aligned perforations in the lower brackets 10. As shown, a collar *d* is secured on the body of each adjusting-screw 11 by any suitable means, so as to bear loosely upon the lower side of a respective bracket 8, whereby the screws are loosely secured in position on the brackets 8.

It will be seen that the lateral projection of the guard 9 from the screws 11 enforces contact of said guard upon the side and edge portion of the razor-blade 6 when the clamping-bar 5 is pressed down over the back of



the razor-blade, and it will be evident that by an adjustment of the screws 11 the rounded corners *c'* on the fingers *c* may be located at any point adjacent to the cutting edge of the razor-blade.

In service the improved guard is readily mounted upon any approved razor-blade by simply pressing the hollow clamping-bar 5 down over the back of the razor-blade and the latter into contact with the spring 7. This causes the guard 9 to have frictional contact with the engaged side of the razor-blade, disposing the ends of the fingers *c* close to the cutting edge of the razor-blade and the rounded corners of the fingers projected slightly therefrom, this relative position of the fingers being changed as may be desired by turning the screws 11 in a proper direction with a suitable wrench or other implement. With the guard in position on a razor-blade an inexperienced person may shave himself or others without cutting the flesh, as the fingers *c* will prevent such an accident occurring.

When the razor-blade is manipulated by one who is shaving himself or another person, it may be pressed slightly against the face that has been lathered and at the same time drawn with shear cuts over it, the beard that projects between the spaced fingers *c* being cut by the razor; but as the flesh will not enter the spaces between the fingers it is not liable to be cut.

It should be explained that as razor-blades vary in width between the back and cutting edge the spring 7 by more or less compression effected by an adjustment of the screws 11, that by adjustment control the contact of

the guard 9 upon the razor-back near its cutting edge, compensates for such differences in width, and by proper adjustment of the guard 9, as explained, the fingers *c* may be correctly positioned on a wide or narrow razor-blade for effective service.

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

1. A safety appliance for a razor, comprising a U-shaped clamping-bar, an elongated resilient support seated in the clamping-bar, brackets on one side of the clamping-bar, a guard having a series of spaced fingers along one edge, projections at one side of the guard, having threaded perforations therein, and adjusting-screws engaging the brackets and likewise the threaded projections.

2. A safety appliance for razors, comprising an elongated, substantially U-shaped bar, an undulating plate-spring secured in the bar on its transverse wall, right-angled brackets on one side of the bar, an elongated flat guard, spaced fingers projected from one side edge of the guard, each of said fingers having a rounded corner on one end, right-angled brackets on one side of the guard opposite said rounded corners, and adjusting-screws engaging the brackets on the U-shaped bar and on the guard.

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

ALFRED AUGUST LUX.

Witnesses:

JULIUS PERET,  
AUGUST STOOCK.