No. 843,059. PATENTED FEB. 5, 1907.

F. H. ARNOLD.

SAFETY RAZOR.

APPLICATION FILED AUG. 24, 1905.

Fig. 1.

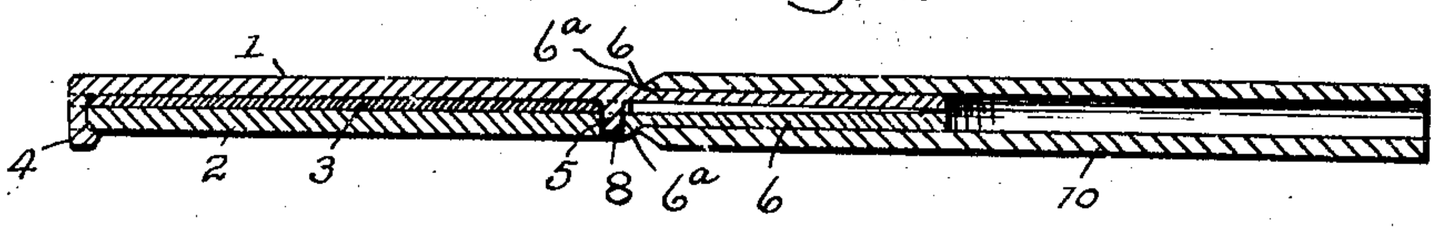


Fig. 2.

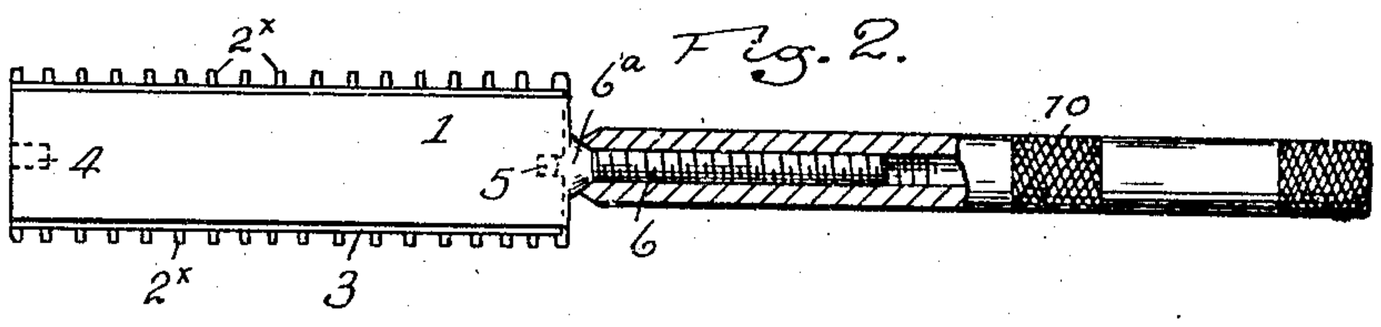


Fig. 3.

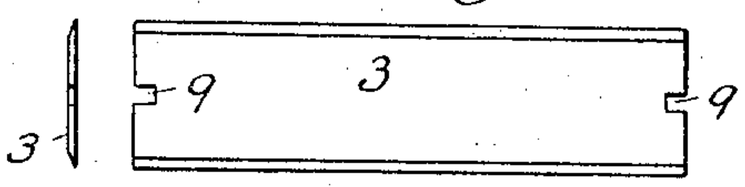


Fig. 4.

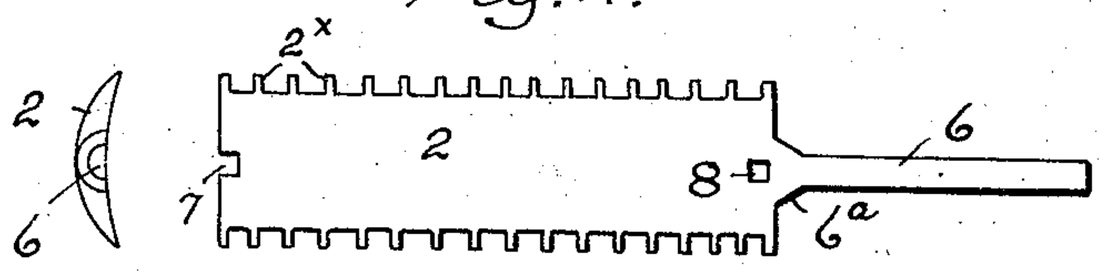
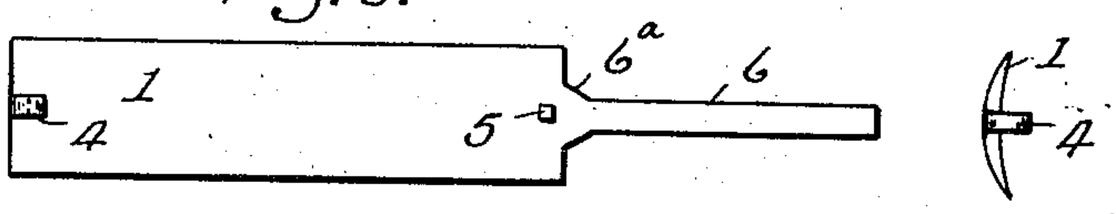


Fig. 5.



Witnesses
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SAFETY-RAZOR.

No. 843,059. Specification of Letters Patent. Patented Feb. 5, 1907.

Application filed August 24, 1905. Serial No. 275,514.

To all whom it may concern:

Be it known that I, FREDERICK H. ARNOLD, a citizen of the United States, residing at Reading, in the county of Berks and State of Pennsylvania, have invented certain new and useful Improvements in Safety-Razors, of which the following is a specification.

This invention relates to improvements in safety-razors; and the object of the present invention is to produce a safety-razor that will contain all the advantages of an ordinary safety device of this kind and at the same time one that will be more compact and neat in appearance and of simpler construction.

The device comprises a set of blade-retaining plates held together by means of a handle lying on the same plane as the razor-blade.

The invention is fully described in the following specification and clearly illustrated in the accompanying drawings, in which—

Figure 1 is a longitudinal central sectional view of my device. Fig. 2 is a plan view, partly in section, of the same. Fig. 3 shows the razor-blade in detail. Fig. 4 shows the lower plate in detail. Fig. 5 shows the under side of the upper plate.

The numeral 1 designates the upper plate, and 2 the lower plate, between which the blade 3 is securely held. This upper plate 1 is formed at the outer end with a depending angled hook 4 and at its inner end with a depending lug 5. A half-round stem 6 is formed on the plate 1 at this inner end, and this stem is screw-threaded externally and is formed with a tapered shoulder 6^a.

The lower plate 2 is formed at its outer end with a recess 7, adapted to be engaged by the hook 4, and at its inner end with an opening 8, adapted to receive the lug 5. This plate has a half-round stem 6 with a tapered collar 6^a, corresponding with the one on the upper plate, and when these two stems meet they form an externally-threaded split rod.

The razor-blade is formed with a recess 9 at either end adapted to be engaged by the hook 4 and lug 5.

The handle 10 is hollow and is screw-threaded internally and is adapted to screw onto the rod formed by the stems on the plates, and when the razor-blade is placed between the plates in engagement with the hook 4 and lug 5, which members pass through the recesses 9, the screwing up of the handle will when it contacts with the tapered surfaces on the collar 6^a tightly compress the plates and securely hold the blade in position.

The lower plate is formed with the usual guard-teeth $2^\times$, and both plates are slightly concaved transversely.

The ease and accuracy with which my device may be assembled are essential features, and the fact that the device when assembled forms a comparatively straight body of uniform thickness permits it to be carried with ease and comfort and to be packed in a very small case.

Having thus fully described my invention, what I claim is—

A safety-razor comprising a guard-plate having a convex inner face and provided with a stem at one end, a clamping-plate having a concave inner face and also provided with a stem at one end, one of said plates being provided with a hook at its outer end and at its inner end with a lug, the other plate being provided with a recess at its outer end adapted to receive said hook, and at its inner end with an aperture adapted to receive said lug, a flexible blade adapted to be clamped between said plates and to conform to the curvature of their inner faces, said blade having a recess at each end adapted to receive said hook and lug, and a tubular handle adapted to engage and hold said stems.

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

FREDERICK H. ARNOLD.

Witnesses:
ED. A. KELLY,
CAMERON E. STRAUSS.