

No. 845,389.

PATENTED FEB. 26, 1907.

F. H. ARNOLD & E. D. BECKER.

SAFETY RAZOR.

APPLICATION FILED JAN. 9, 1907.

Fig. 1.

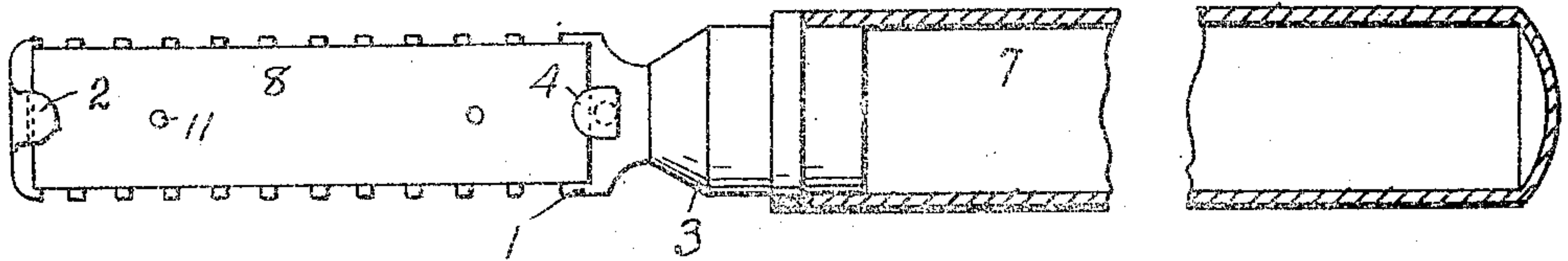


Fig. 3.

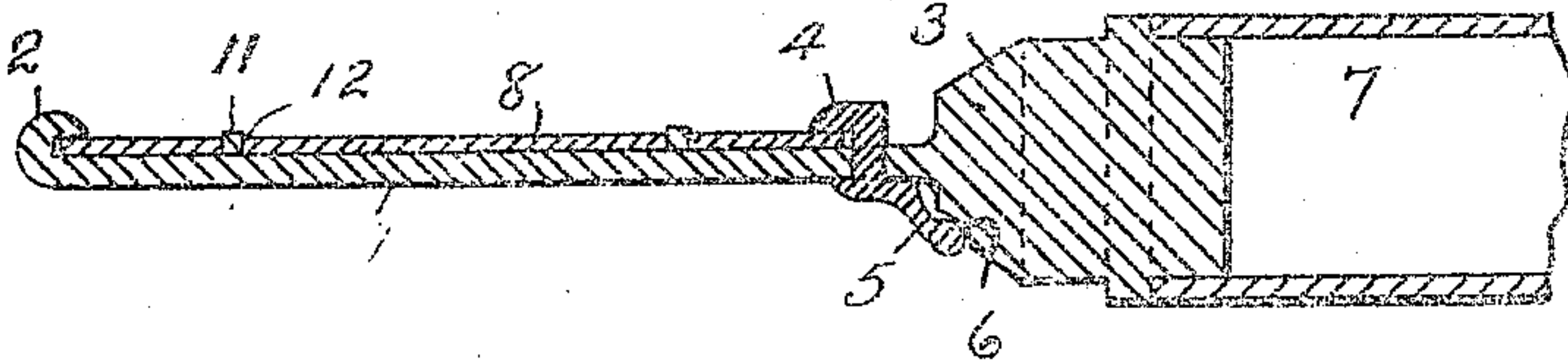
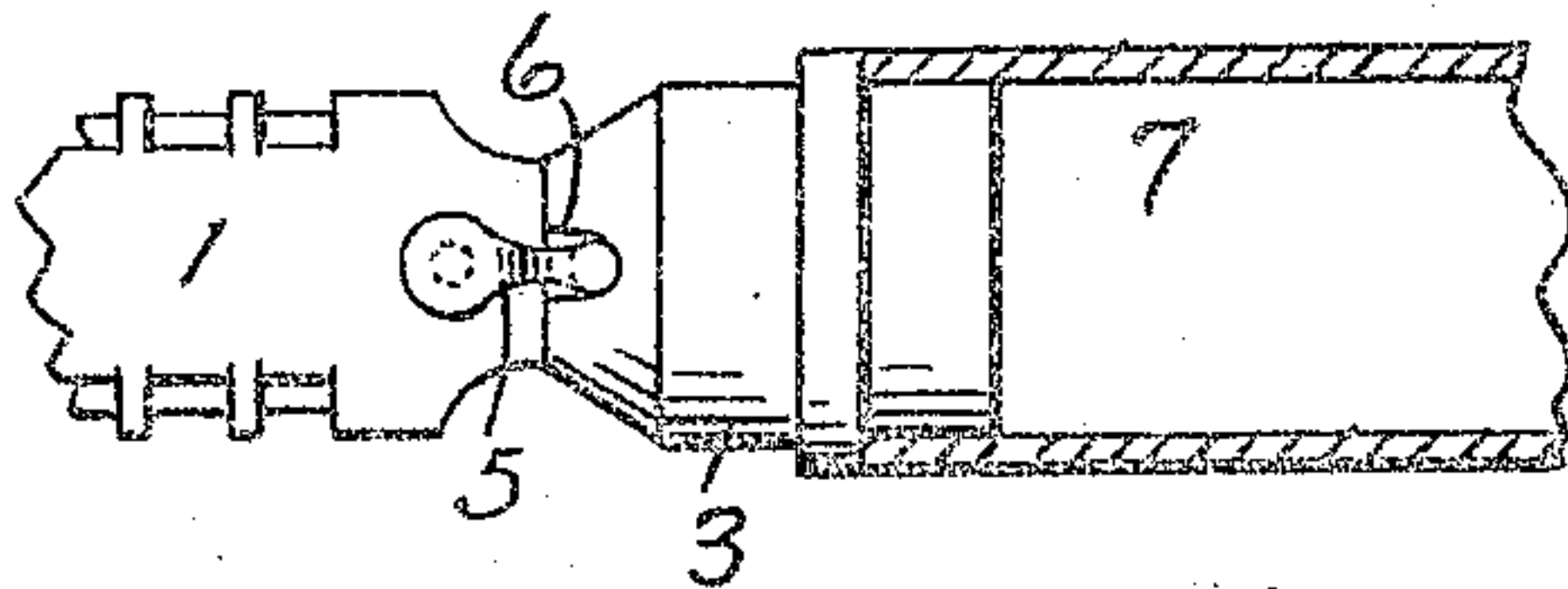


Fig. 2.



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FREDERICK H. ARNOLD AND ELLSWORTH D. BECKER, OF READING,
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SAFETY-RAZOR.

No. 845,389.

Specification of Letters Patent.

Patented Feb. 23, 1907.

Application filed January 9, 1907. Serial No. 351,409.

To all whom it may concern:

Be it known that we, FREDERICK H. ARNOLD and ELLSWORTH D. BECKER, citizens 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 invention is to provide novel means for securing the cutting-blade to the guard-plate.

The invention is intended more particularly as an improvement on the device shown and described in Letters Patent No. 834,353 issued to us under date of October 30, 1906. In the device referred to we secure the blade to the guard-plate by means of a cam on the upper face of said plate, and the construction requires a specially-constructed blade. In the present device we secure the blade at both ends by means of lugs, one of which is movable.

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

Figure 1 is a plan view of the device, showing one face of the guard-plate; and Fig. 2 is a plan showing the opposite face thereof. Fig. 3 is a longitudinal sectional view.

The numeral 1 designates the guard-plate. This plate is formed with the usual teeth along either side. A stationary hook 2 is formed at its outer end and a revolving hook 4 at its inner end. On the inner extremity of this plate we form a tapered plug 3. The hook 4 is formed with a stem, which passes through the body of the plate 1 and is provided with a spring-lever 5 at its extremity. This lever serves to turn the hook 4 so that it will either engage or release the end of the blade. The plug 3 is formed with an indentation 6, into which this spring-lever 5 will snap when it is brought in line therewith—that is, when the hook 4 engages the blade.

The plug 3 is made with varied outside diameters and is adapted to be engaged by a tubular handle 7 at either of its ends.

The numeral 8 designates the cutting-blade. This blade is adapted to engage the hook 2 on the outer end of the guard-plate and at its inner end the hook 4. The guard-plate is provided with positioning-lugs 11 and the blade with registering perforations 12. When it is desired to place the blade in position in the guard, the lever 5 is released from its engagement in the indentation 6 in the plug and turned, thus turning the hook 4 and permitting the blade to be laid on the guard-plate, the lugs 11 registering with the perforations 12 and the outer end of the blade slipping under the hook 2 on the outer end of the guard-plate. The lever 5 is then turned back until it snaps into the indentation 6, thus causing the hook 4 to engage and hold the blade in position.

The handle 7 may be removed from the rear end of the plug when the razor is not in use and placed over the guard-plate, incasing it and engaging the reduced diameter at the opposite end of the plug 3.

What we claim is—

In a safety-razor the combination of a guard-plate provided with a stationary hook at its outer end, a revolving hook at its inner end, a spring-operating lever secured to said revolving hook, a tapered plug formed on the end of the guard-plate, positioning-lugs formed on said guard-plate, a perforated blade adapted to be secured to said plate by said hooks and a tubular handle adapted to engage either end of said plug while lying on the same plane with said blade.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

FREDERICK H. ARNOLD.
ELLSWORTH D. BECKER.

Witnesses:

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