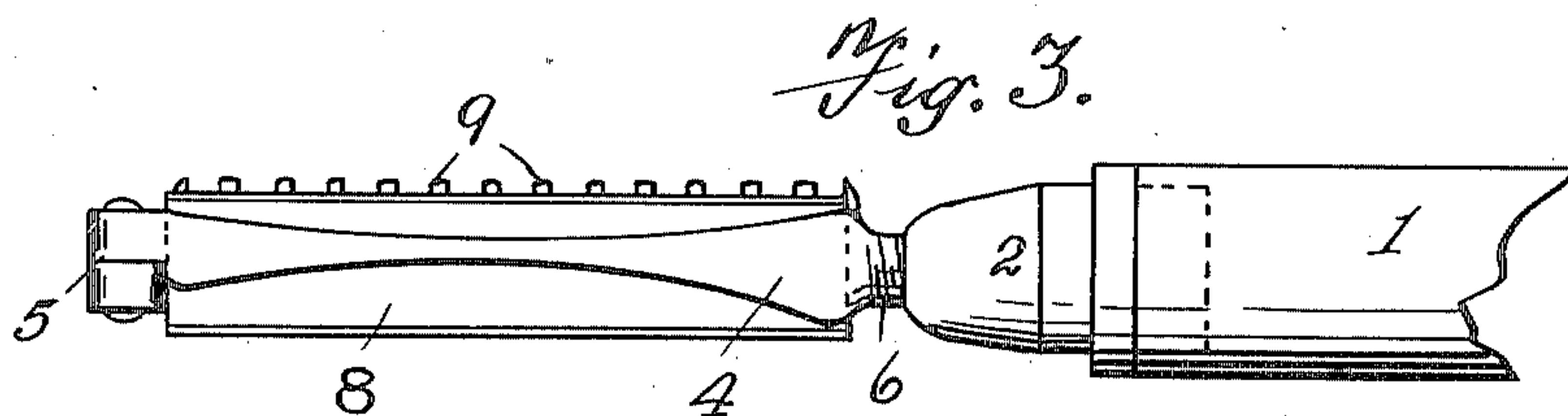
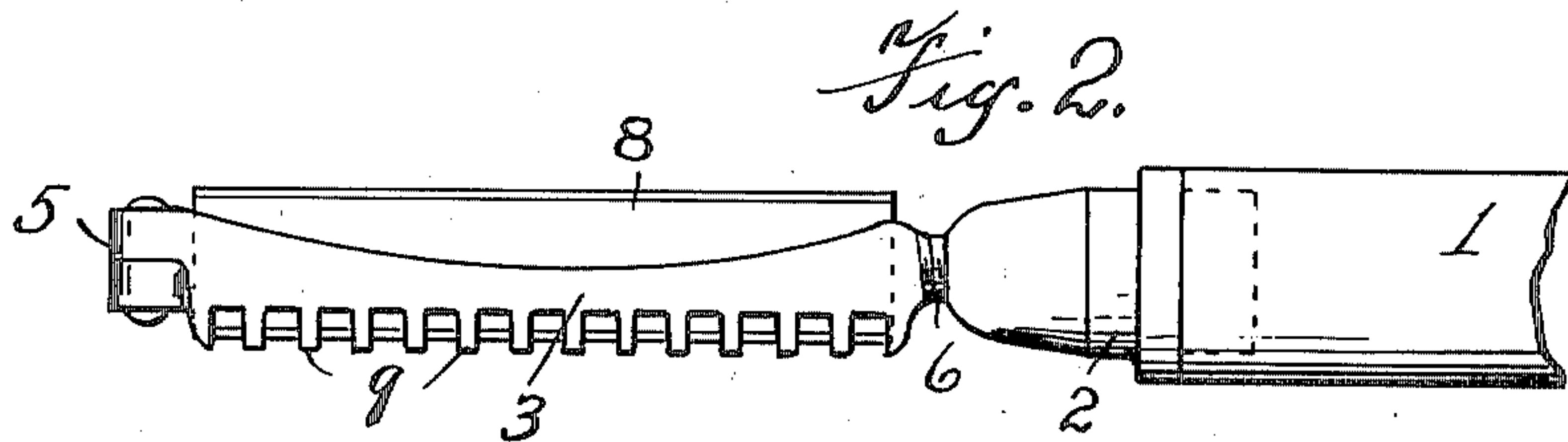
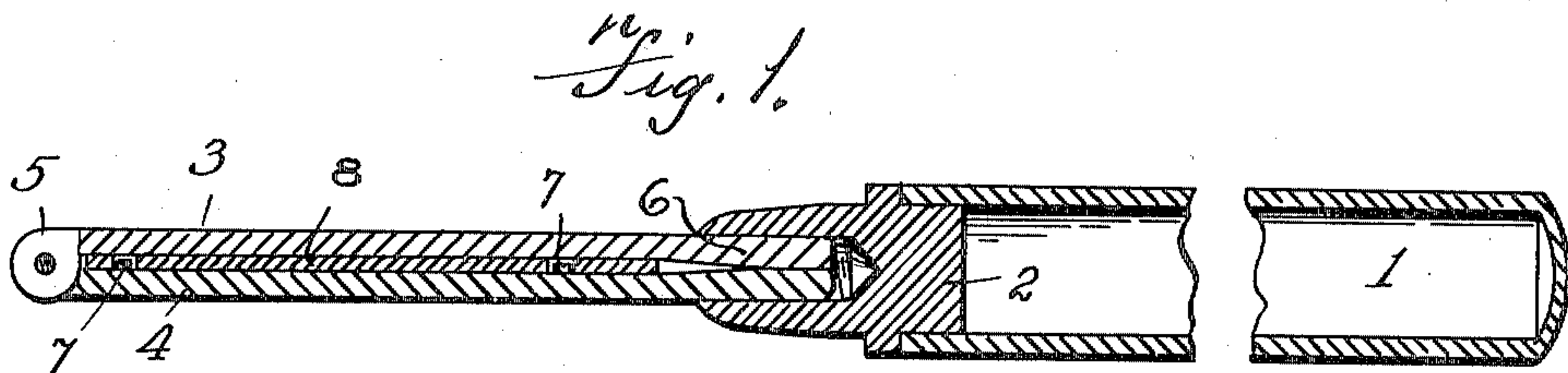


F. H. ARNOLD.
 COMBINED SAFETY RAZOR AND STROPPER.
 APPLICATION FILED MAY 26, 1909.

948,034.

Patented Feb. 1, 1910.



Frederick H. Arnold,

Inventor

Witnesses
J. R. Kelly
A. L. Meyer.

By *E. A. Kelly.*

Attorney

UNITED STATES PATENT OFFICE.

FREDERICK H. ARNOLD, OF READING, PENNSYLVANIA.

COMBINED SAFETY-RAZOR AND STROPPER.

948,034.

Specification of Letters Patent.

Patented Feb. 1, 1910.

Application filed May 26, 1909. Serial No. 498,486.

To all whom it may concern:

Be it known that I, FREDERICK H. ARNOLD, 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 a Combined Safety-Razor and Strop, of which the following is a specification.

This invention relates to improvements in safety razors and the object is to provide a device in which a double edged blade is removably held between two plates and capable of being incased in a tubular handle when not in use.

The present invention is intended more particularly as an improvement on the device shown and described in U. S. Letters Patent No. 833,767, issued to me under date of October 23rd, 1906, in which is shown a device having a double edged blade held between a double edged guard and a backing plate, so that while both cutting edges of the blade could be used as safety razors, only one side of the instrument could be presented to the face while the instrument was held in the same hand. In order to use the opposite edge of the blade it was necessary to open the device, remove the blade and replace it in reverse position. In my present device the blade is held between a guard plate and a backing plate, each of which is formed along one edge with the usual means for presenting the razor edge to the face under guarded or so-called "safety" conditions; that is, the guard is formed with a series of teeth and the backing plate approaches the edges of said teeth more or less closely. The opposite longitudinal edges of both plates in the present instance are concaved, so that the cutting edge of the razor along that side will project considerably beyond said plates, and presenting the cutting edge of the blade unguarded, thus producing in a single device, a safety razor and a so-called unguarded or exposed blade razor.

The invention is more fully described in the following specification and clearly shown in the drawing, in which:—

Figure 1 is a longitudinal sectional view of my razor. Fig. 2 is a plan view showing the guard plate. Fig. 3 is a plan view showing the backing plate.

The numeral 1 designates a tubular casing or handle. The numeral 2 designates a plug adapted to enter the open end of said

casing. This plug is reversible, as both its ends are adapted to engage the casing.

The numeral 3 designates the guard plate and 4 the backing plate, each of which is provided at one end with a hinge member 5 by means of which they are hinged together. At their opposite ends the plates are formed with half-round screw-threaded stems 6 and adapted to be engaged and held together by the plug 2 which is screw-threaded internally. One of these plates is provided with positioning pins 7 for the blade 8. This blade is perforated to engage said pins and is provided with a cutting edge along both of its longitudinal edges.

The guard plate 3 is provided along one of its edges with a series of teeth 9, adapted to lie in close proximity to the edge of the blade while the opposite edge of the plate is concaved to a degree that will expose substantially one-half of the blade surface. The backing plate 4 is concaved along one of its edges to a degree that will allow it to lie, more or less closely along the line of the guard teeth 9, while the opposite edge is concaved to lie along the same line as the concaved edge of the guard plate. By this construction the blade along the one side is exposed about one-half of its width, is unguarded and capable of use as an ordinary or "exposed blade" razor.

With my present device the unguarded edge may be used for shaving portions of the face where the operator does not feel the need of a "safety" device; and it is also useful to beginners as it will permit of shaving with the unguarded edge on such portions of the face as are easy to shave, while the mere turning or reversing of the instrument will instantly supply the "safety" razor when needed.

It is evident that the device, while capable of double use, can be used exclusively as a safety razor, or as a razor of ordinary construction, with an unguarded blade, and that in either case, the blades may be reversed so that both cutting edges thereof may be used. It is also evident that my device may be used as a strop, or holder for the blade while being stropped or honed, as the exposed or unguarded edge of the blade is held in exactly the proper position for honing and stropping, and a reversal of the blade will of course allow both edges to be thus honed.

Having thus fully described my invention

what I claim and desire to secure by Letters Patent is:—

In a combined safety razor and blade strop-
per, a double edged blade; a guard
5 plate formed with teeth along one of its lon-
gitudinal edges and having its opposite edge
concaved its entire length; a backing plate
having both of its edges concaved the entire
length, adapted to hold the blade against the
10 backing plate in such manner that one cut-

ting edge is guarded while the other is ex-
posed and unguarded; a screw plug for se-
curing together said plates and a handle
adapted to incase the entire device.

In testimony whereof I affix my signature, 15
in presence of two witnesses.

FREDERICK H. ARNOLD.

Witnesses:

ED. A. KELLY,

M. C. KREIDER.