

No. 790,439.

PATENTED MAY 23, 1905.

F. KAMPFE.

RAZOR.

APPLICATION FILED MAY 9, 1904.

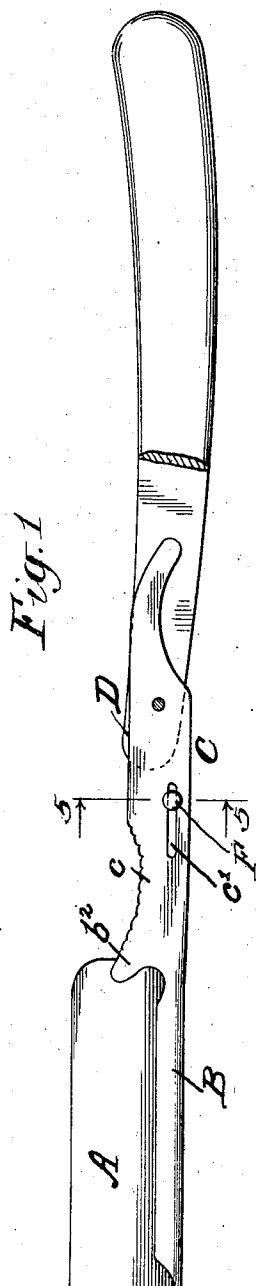


Fig. 1

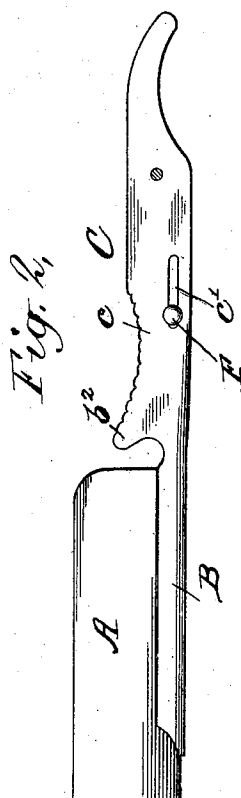


Fig. 2

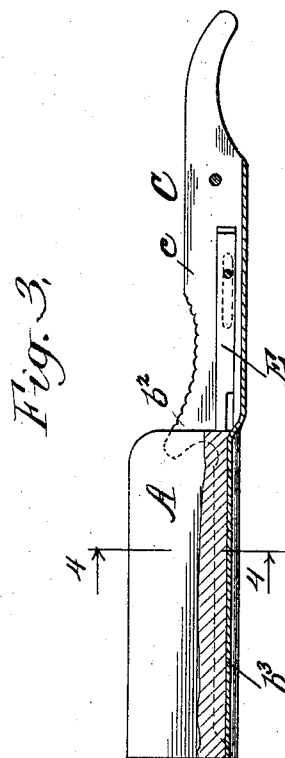


Fig. 3

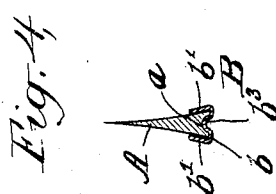


Fig. 4

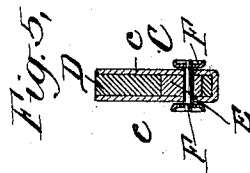


Fig. 5

WITNESSES:

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RAZOR.

SPECIFICATION forming part of Letters Patent No. 790,439, dated May 23, 1905.

Application filed May 9, 1904. Serial No. 207,011.

To all whom it may concern:

Be it known that I, FREDERICK KAMPFE, a citizen of the United States, and a resident of the borough of Brooklyn, county of Kings, city and State of New York, have invented certain new and useful Improvements in Razors, of which the following is a specification.

My invention relates to razors.

In the accompanying drawings, which illustrate a construction embodying the preferred form of my invention, Figure 1 is a side elevation, partially broken away, showing the parts in one position; Fig. 2, a side elevation of a portion of the device shown in Fig. 1, but showing the parts in another position; Fig. 3, a longitudinal section; Fig. 4, a cross-section taken on the line 4-4, Fig. 5; and Fig. 5, a cross-section taken on the line 5-5, Fig. 1.

Similar letters of reference designate corresponding parts in all the figures.

Referring to the said drawings, A designates a blade detachable from the blade-holder B and adapted to be slid into and out of the same and held therein in any suitable manner. The blade-holder may be of any suitable shape and construction which will permit of the blade being slid into and out of the same and its retention therein. It is shown as being provided with a back or bottom portion *b*, side portions *b'*, and an inner holding device *b''*, comprised of spring-lugs adapted to coact with the inner end of the blade in a manner similar to the coaction of the side portions *b'* of the sides of the blade.

The specific means shown for guiding and holding the blade in the blade-holder, outside of the parts already mentioned, is a continuous longitudinal groove *a'*, arranged in the back of the blade, and a projection *b''*, formed within the blade-holder by indenting the metal of the back of the blade-holder.

C designates what may most properly be called a "shank," which is rigidly secured to the blade-holder and preferably is integral therewith, as shown. This shank, as shown, is constructed of one piece of metal bent up to form two side walls *c c*, intermediate which is arranged a filler D and also a slide E, which slide is adapted to move with comparative freedom in a longitudinal direction and for a

predetermined distance. Rigidly secured to this slide, as shown, are a couple of buttons or knobs F, which project through openings or slots *c'*, arranged in each of the walls *c* of the shank. These projections or knobs may be of any suitable size or shape and may be secured to the slide in any desired manner, although they are shown as being secured to a rivet or bolt passing through said slide. When the blade is in position in the holder, the outer end of the slide is adapted to bear against the inner end of the blade.

When it is desired to remove the blade, the slide is pushed forward or outward by means of the knobs F, thus forcing the blade out from the holder to an extent sufficient to enable the user to get a firm grip on the end of the blade.

What I claim as new is—

1. In a razor, a blade-holder and blade detachable therefrom, and means adapted partially to remove the blade without handling and still to leave the same retained in said blade-holder.

2. In a razor, the combination with a blade-holder of a blade detachable therefrom, a shank rigidly secured to said blade-holder and means arranged in said shank and adapted to partially remove the blade without handling the blade.

3. In a razor, the combination with a blade-holder of a blade detachable therefrom, a shank rigidly secured to said blade-holder and a slide arranged in said shank and adapted to partially remove the blade without handling the blade.

4. In a razor, the combination with a blade-holder of a blade detachable therefrom, a movable part connected to said blade-holder and adapted upon movement to partially remove the blade therefrom without handling the blade, and means for limiting the extent of movement of said movable part to leave the blade retained in said blade-holder.

5. In a razor, the combination with a blade-holder of a blade detachable therefrom, a shank rigidly secured to said blade-holder, a slide arranged in said shank and adapted to partially remove the blade without handling the blade, and knobs secured to said slide and pro-

jecting through slots arranged in the side walls
of the said shank.

6. In a razor, a blade-holder provided with
a back and sides forming a groove open at one
5 end, a blade adapted to slide into and engage
with said groove, and means adapted to move
the blade toward the open end of said blade-
holder without handling the same.

In witness whereof I have signed my name
to this specification in the presence of two sub- 10
scribing witnesses.

FREDERICK KAMPFE.

Witnesses:

H. ADOLPH WINKOPP,
HERMANN GROBE.