Dec. 19, 1922. 1,439,059.

H. BLUM.

SAFETY RAZOR.

FILED AUG. 10, 1920.

Fig. 1.

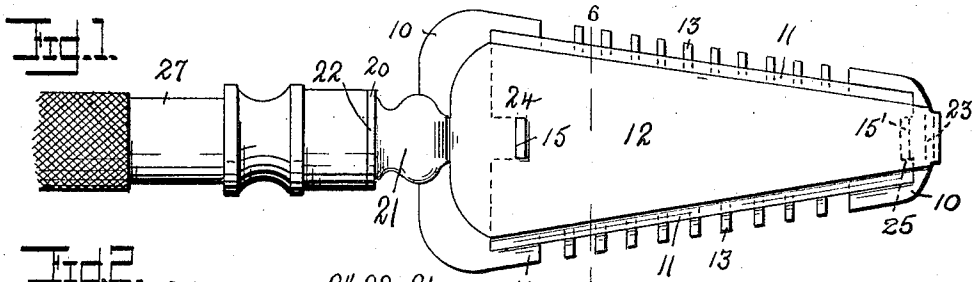


Fig. 2.

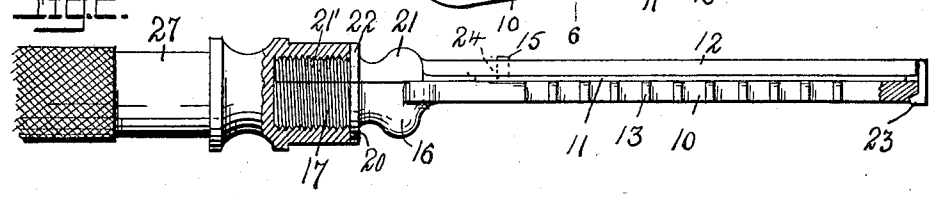


Fig. 3.

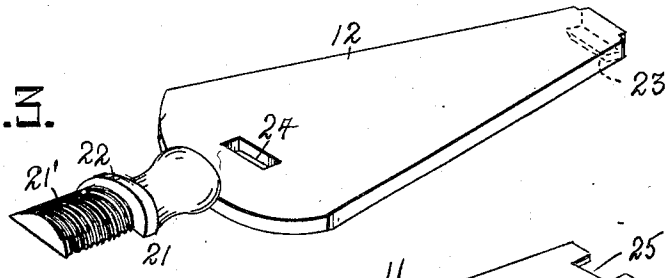


Fig. 4.

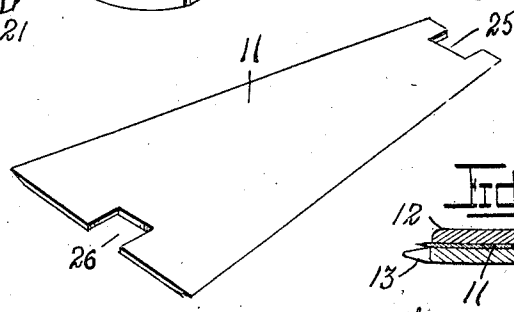
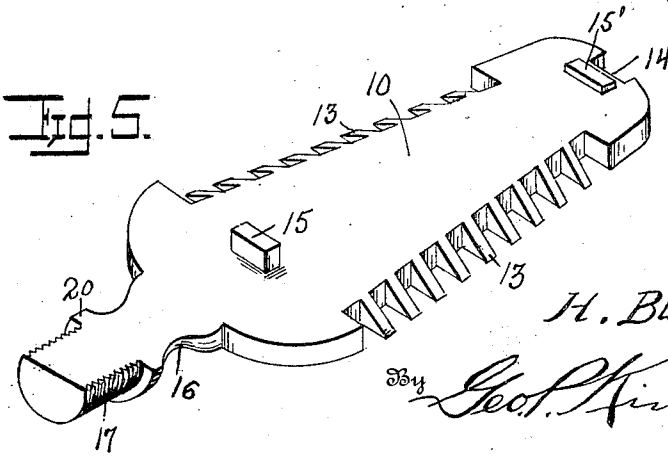


Fig. 6.

Fig. 5.



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Patented Dec. 19, 1922. 1,439,059

UNITED STATES PATENT OFFICE.

HARRY BLUM, OF JOHNSTOWN, PENNSYLVANIA.

SAFETY RAZOR.

Application filed August 10, 1920. Serial No. 402,520.

To all whom it may concern:

Be it known that I, HARRY BLUM, a citizen of Russia, residing at Johnstown, in the county of Cambria and State of Pennsylvania, have invented certain new and useful Improvements in a Safety Razor, of which the following is a specification.

This invention relates to safety razors, and has for one of its objects to simplify and improve the construction and increase the efficiency and utility of the same.

Another object of the invention is to provide a device of this character of few parts which may be inexpensively manufactured, easily assembled or disassembled, to enable the blades to be removed or inserted, and which will not get out of order, and wherein the parts are firmly held in their relative positions.

With these and other objects in view, the invention consists in certain novel features of construction as hereinafter shown and described, and then specifically pointed out in the claim, and in the drawings illustrative of the preferred embodiment of the invention.

In the accompanying drawing:

Figure 1 is a plan view of the improved device with the parts assembled.

Fig. 2 is a side elevation with the parts arranged as in Fig. 1.

Fig. 3 is a perspective view of the holder part of the device.

Fig. 4 is a perspective view of the blade part of the device.

Fig. 5 is a perspective view of guard part of the device.

Fig. 6 is a transverse section on the line 6—6 of Fig. 1.

The improved device comprises a guard member represented as a whole at 10, a blade represented at 11 and a holder represented as a whole at 12.

The guard 10 is formed with its side edges converging toward one end and the converging edges formed with guard fingers 13, as shown, and with an open slot 14 in the smaller end and a stud 15 extending from one face intermediate the ends, and a stud 15′ extending from the same face near the slot 14.

Extending from the wider end of the guard member is a projection 16 with its outer part semi-cylindrical and threaded as shown at 17, the extension 16 being provided with a stop shoulder 20 at the inner end of the threaded portion.

The holder 12 is formed with a projection 21 which corresponds to and closely engages the portion 16 of the guard 10, the outer part 21′ of the projection 21 being semi-cylindrical and corresponds to the threaded part 17 of the extension 16. The two portions 17 and 21′ when engaged face to face form a complete cylinder externally threaded.

The part 21 also has a lip 22 which corresponds to the stop shoulder 20.

By this means the two portions when combined produce a completely threaded stud and connecting bodies which merge into the plate 10 and holder 12.

Attached to or formed integral with the holder 12 at its smaller end is a catch or lip 23 adapted to engage in the slot 14 and extend beneath the adjacent portion of the plate 10, as shown in Fig. 2.

The holder 12 is also provided with an aperture 24 to receive the stud 15 of the plate 10.

The blade 11 engages between the plate 10 and holder 12, and is provided with slots or recesses 25 and 26 to respectively engage the studs 15 and 15′.

The handle is indicated at 27 and includes an internally threaded terminal 28 to engage over the threaded portions 17 and 21 and thus bind the parts together and hold them firmly united.

The guard 10 and holder 12 are slightly curved as shown in Fig. 6 and when tightly compressed by the coaction of the threaded portions 17 and 21′ and the threaded socket 27 of the handle, produce a positive and strong clamping grip upon the blade.

The blades 11 are thus firmly held in position, and easily and quickly released for renewal or sharpening.

The preferred embodiment of the invention is disclosed in the drawings and set forth in the specification, but it will be understood that any modifications within the scope of the claim may be made in the construction without departing from the principle of the invention or sacrificing any of its advantages.

What I claim is:

In a safety razor, a blade member having cutting edges and outwardly opening slots in its ends, a guard member support-

ing said blade and having a threaded half stem at one end and an open slot at the other end, said guard member having a lug near one end of a greater height than the thickness of the blade and projecting through one of the slots thereof and a lug near the other end of a less height than the thickness of the blade and engaging in the other slot of the same, a holder member having a threaded half stem coacting with the half stem of the guard and bearing upon said blade, said holder having a slot to receive the longer lug of the guard and bearing over the shorter lug of the same, a hooked member carried by the holder and engaging in the terminal slot of the guard and engaging beneath the body thereof, and an internally threaded handle member engaging over said threaded half stems and operating to clamp the guard and holder upon the blade.

In testimony whereof, I affix my signature hereto.

HARRY BLUM.