(No Model.)

L. EHRLICH.

RAZOR.

No. 338,167. Patented Mar. 16, 1886.

Fig. 1.

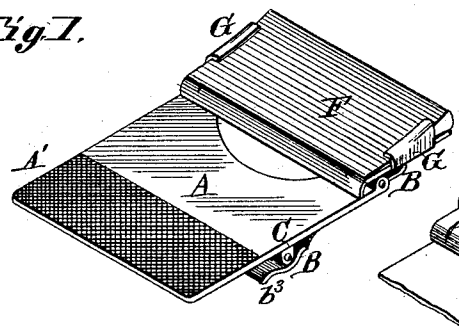


Fig. 4.

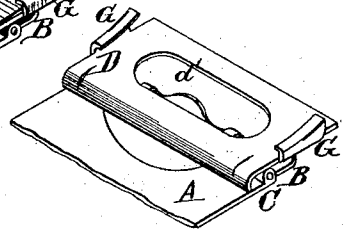


Fig. 2.

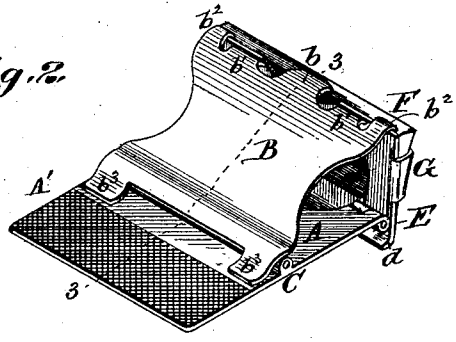


Fig. 5.

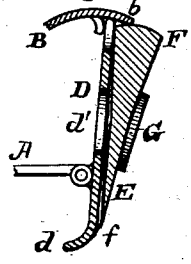
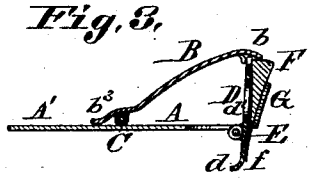


Fig. 3.



Attest:

F. A. Hopkins.

Edward Stevens

Inventor:

Leo Ehrlich

By Knight Bros.

Attys.

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

LEO EHRLICH, OF ST. LOUIS, MISSOURI.

RAZOR.

SPECIFICATION forming part of Letters Patent No. 338,167, dated March 16, 1886.

Application filed December 21, 1885. Serial No. 186,341. (No model.)

To all whom it may concern:

Be it known that I, LEO EHRLICH, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Safety-Razors, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is an under perspective view of the instrument closed up, ready to put into a thin case. Fig. 2 is a perspective view of the instrument, ready for use. Fig. 3 is a section at 3 3, Fig. 2. Fig. 4 is a perspective view of the plate to which the blade is attached. Fig. 5 is a transverse section, on a larger scale, of the blade, the blade-holding plate, and accessories, showing more clearly the space between the contiguous faces of the said blade and plate.

This invention relates to that class of shaving instruments in which a lip or guard at the edge of the razor prevents the razor from cutting the skin when shaving.

My invention consists in certain novel features, hereinafter fully described in the specification, and more particularly pointed out in the claims.

Referring to the drawings, A is a plate, to whose middle point is hinged a spring-plate, B, which constitutes a latch, as hereinafter fully described. The hinges are shown at C.

D is the blade-holding plate, which is connected to one end of the plate A by hinges E.

F is the blade, which has the shape of a razor in a transverse section, as shown in Fig. 3. The blade is held in place by lips G, which may be formed in one piece with the plate D, as shown, and by a lip, *b*, extending from the plate B over the back of the blade when the instrument is in position for use, as shown in Figs. 2 and 3.

That edge, *d*, of the plate D which is in proximity to the edge *f* of the blade is bent forward and forms a guard, preventing the blade from cutting the skin. The edge of the razor-blade has actual bearing against the plate D at the ends; but between the ends there is a very narrow space between the side of the blade and the plate D, to allow the passage between them of the whiskers and the lather. *d'* is an aperture in the plate D, through which those matters pass and find lodgment in the interior of the instrument.

When the instrument is in its working condition, the edge of the blade-holding plate D is embraced between stop lugs or lips b' b^2, carried by and preferably formed with the plate B, which thus constitutes a latch to confine the blade-plate against motion. The latch is held in engagement with the plate D by the elasticity of the plate B, which plate is provided with tails b^3, extending beyond the hinges *c* and bearing against the top of plate A. Great importance is to be attached to this method of confining the parts against even the slightest movement—that is to say, of latching the blade-holding plate securely to the body-plate—in contradistinction to those devices which employ a spring-latch secured at one end to the body-plate, and engaging at the other the back of the cutting-blade. I am aware of this latter class of devices, and do not claim, broadly, any feature or features which my invention possesses in common therewith.

The rear part, A', of the plate A is corrugated or roughened, or scored in some manner, so as to give effective hold to the hand, the part A' being held by the hand when using the instrument.

It will be seen that when the instrument is folded, as seen in Fig. 1, the three plates A B D and the blade F are parallel, or nearly so, and the instrument can then be put into a very small space.

I claim—

1. The combination, with the plate A and the plate D hinged thereto, of the latch-plate B, hinged to the plate A and having the lips or lugs embracing the edge of the plate D between them, as set forth.

2. The combination, with the plate A, the blade-plate D hinged thereto, and the blade F, of the plate B, hinged to the plate A and engaging directly with the blade-plate D, and the lug or lip *b*, projecting from the plate B and engaging the blade F for holding it to place, substantially as set forth.

LEO EHRLICH.

Witnesses:
SAML. KNIGHT,
EDW. S. KNIGHT.