(No Model.)

A. PARTRIDGE.

SAFETY RAZOR.

No. 361,234. Patented Apr. 12, 1887.

Fig. 1.

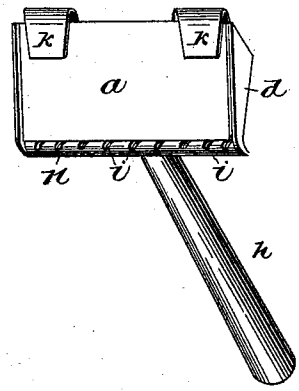


Fig. 2.

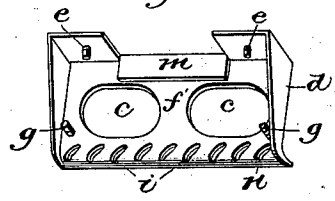


Fig. 3.

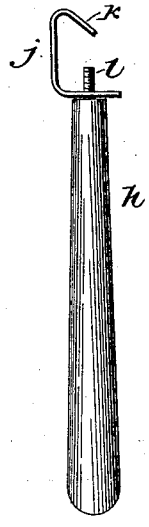
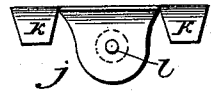


Fig. 4.



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UNITED STATES PATENT OFFICE.

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SAFETY-RAZOR.

SPECIFICATION forming part of Letters Patent No. 361,234, dated April 12, 1887.

Application filed September 2, 1886. Serial No. 212,556. (No model.)

To all whom it may concern:

Be it known that I, ANDREW PARTRIDGE, a citizen of the United States, residing at Springfield, Hampden county, Massachusetts, have invented certain new and useful Improvements in Adjustable Safety-Razors, of which the following is a specification.

My invention relates to a class of razors in which the danger of cutting the person is sought to be avoided by mechanical contrivances; and my object is to provide a means of adjusting the blade employed and in a simple and novel construction and arrangement of parts.

I am aware that devices for the holding of a blade in juxtaposition to a guard for the above purpose have been employed in safety-razors, and that holders therefor of more or less complexity have been constructed; but in my present device I have adopted a form of construction and arrangement of parts entirely different from any other heretofore known to me, by means of which I am able to apply to a holder my novel means of adjusting the blade with reference to the guard, whereby the closeness of the cut can be varied, all of which is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the device. Fig. 2 is a front view of frame or holder; Figs. 3 and 4, details of the clamp.

In Fig. 1, *a* is a razor-blade, secured to the frame or holder *b* by means of clamp *j*. This clamp (shown more fully in Fig. 3) is operated by means of screw *l*, bearing against the under side of the frame. The frame or holder of the device shown in Fig. 2 is struck up from a single piece of metal by bending the appropriate portions of a plate cut in suitable shape to form the back, bottom, and ends of the holder, as shown. The forward edge is bent down to form the guard *n*. Diagonally across the front of the plate and edge of guard *n* are cut the channels or grooves *i i*, for the passage and escape of the lather, &c.

The portion of the plate *m* is bent forward and forms a seat or bearing for the back of the blade, as shown. The front portion of the blade is supported by adjusting-screws *g*, by means of which the space intervening between the guard *n* and the cutting-edge of the razor is varied and the closeness of the cut regulated. The frame is also provided with set-screws *e*, passing through the rear portion, as shown, by means of which the blade is adjustable forward or backward with reference to guard *n*.

The clamp *j*, Fig. 3, is formed of a plate with bent extensions *k*, adapted to reach over and grasp the blade *a* when in position in the frame. The screw *l* is operated by the handle *h*, and when worked in position bears against the central portion of the plate *f'* of the frame, as shown. By this means the blade is drawn and held firmly down against the set-screws *g*.

As above stated, the slots or channels *i* are arranged diagonally with the cutting-edge of the blade, and are designed to give the effect of a shear cut or lateral motion of the razor as commonly used.

Having now fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a safety-razor, the frame *b*, formed of a single piece of metal, with portions bent to form back and ends, as shown, the rear portion cut down and bent forward to form plate *m*, for the support of the blade, and the front edge bent down to form the guard *n*, substantially as described.

2. In a safety-razor, a guard having diagonal channels or slots, as *i*, substantially as described.

3. In a safety-razor, the combination, with the blade, of a clamp, as *j*, provided with a screw, as *l*, for clamping the blade to the holder, substantially as described.

4. In a safety-razor, the combination, with the blade, of a clamp provided with a screw, as *l*, having the head elongated to form a handle for the device, substantially as described.

5. In a safety-razor, the combination, with frame *b*, of adjusting-screws *g*, for adjusting the position of the blade with reference to the guard, substantially as described.

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Witnesses:

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