(No Model.)

A. PARTRIDGE.

SAFETY RAZOR.

No. 326,885. Patented Sept. 22, 1885.

Fig 1

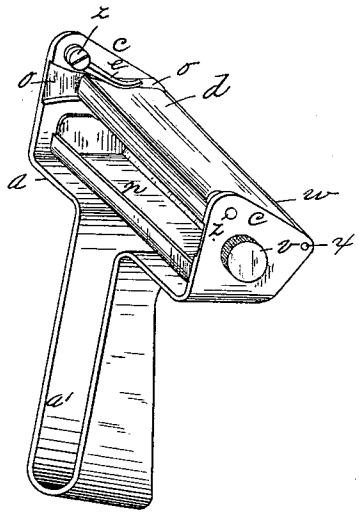
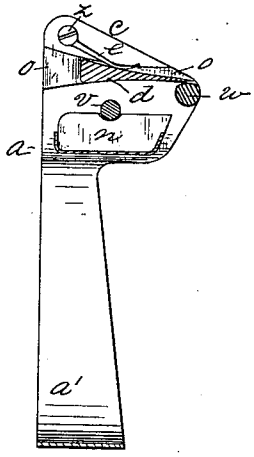


Fig 2



WITNESSES:

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ANDREW PARTRIDGE, OF SPRINGFIELD, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO DENNIS F. SWEENEY, OF SAME PLACE.

SAFETY-RAZOR.

SPECIFICATION forming part of Letters Patent No. 326,885, dated September 22, 1885.

Application filed July 13, 1885. (No model.)

To all whom it may concern:

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

This invention relates to improvements in safety-razors, the object being to provide an improved blade-holder and handle combined, together with means for adjusting the blade, and a suitable cup located beneath the latter, whereby the construction and arrangement of such implements is simplified and their cost is reduced.

In the drawings, forming part of this specification, Figure 1 is a perspective view of a safety-razor constructed according to my invention. Fig. 2 is a vertical section about centrally between the ends of the blade in Fig. 1.

In the drawings, *a* is the frame holding the blade, the guard, and the cup, having integral therewith the loop-shaped part *a'*, which constitutes the handle of the razor, and a spring-connection between the cheek-pieces *c c*, which permits the latter to be spread apart or drawn toward each other, as hereinafter described. The said frame *a* is made of brass or other metal having the requisite spring quality, and each of its cheek-pieces *c* has a groove, *o*, in its inner side extending across it, as shown, to receive the end of the blade *d*. Said groove permits of putting the blade between the cheek-pieces from the rear side, and is of sufficient width at the edge of the blade to allow said edge to be adjusted at will more or less toward or from the guard *w*, which is located under the edge of the blade.

When the grooves *o* are made of the form above described, a spring, *e*, is attached to each cheek-piece by a screw, *z*, or other suitable means, whose end bears on the blade to hold it against the under edges of said grooves, and provides a yielding frictional contact with the blade, whereby the latter is more conveniently adjusted with its edge in a proper position over the guard *w*.

If desired, the grooves *o* in said cheek-pieces may be made of the form of a cross-section of the blade *d*, and hold the latter without means of adjusting it relatively to the guard *w*, as above described; but it is preferable to have the grooves made of the form shown. The guard *w* consists, substantially, of a cylindrical bar, either hollow or solid, having on each end a suitable projection, *x*, Fig. 1, entering a hole in the cheek-piece *c*, but fitting freely therein, to allow the above-mentioned movement of the latter.

A screw-rod, *v*, having a suitable head on one end, by which it is turned, passes through one of the cheek-pieces *c* and screws into the opposite one, thereby providing means for clamping the cheek-pieces against the ends of the blade *d* and holding the latter firmly. When the rod *v* is unscrewed, the cheek-pieces spring apart, freeing the blade, so that it may be removed or adjusted.

A lather-cup, *n*, of thin metal, is located between the cheek-pieces *c*, extending from one to the other, or nearly so, and it is held in place by the cheek-pieces when the latter are drawn toward each other, as aforesaid, and against the ends of the cup; or the cup may have its ends extended high enough to let the rod *v* pass through them, and by that means be attached to the frame *a*. Said cup has its front side extending sufficiently under the guard *w* to catch the lather, which, when the razor is used, passes between the guard and the edge of the razor-blade. If desired, the apparatus may be used without the cup *n* and be quite as serviceable for shaving.

What I claim as my invention is—

1. In a safety-razor, the frame *a*, having the looped spring-handle *a'*, and the grooved cheek-pieces *c*, combined with the blade *d*, engaging with the grooves in the latter, the guard *w*, and the screw-rod *v*, for clamping the cheek-pieces against the ends of the blade, substantially as set forth.

2. The frame *a*, having the looped spring-handle *a'*, the cheek-pieces *c*, having the grooves *o* therein, and the springs *e* secured thereto, combined with the blade *d*, engaging with the grooves in the cheek-pieces, the screw-rod *v*, for clamping the latter, the cup *n*, and the guard *w*, substantially as set forth.

ANDREW PARTRIDGE.

Witnesses:

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