

R. P. CAFFERTY.

SAFETY RAZOR.

APPLICATION FILED JUNE 1, 1910.

999,697.

Patented Aug. 1, 1911.

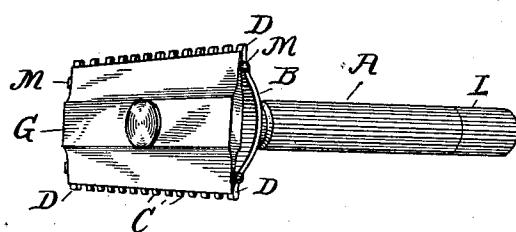


Fig. 1.

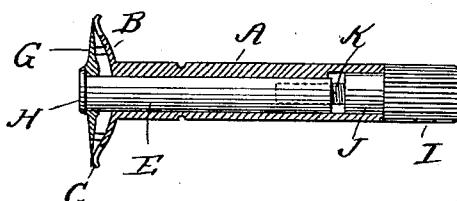


Fig. 2.

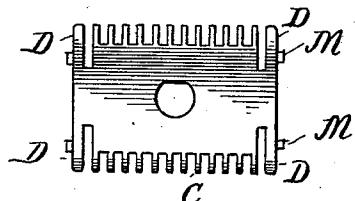


Fig. 3.

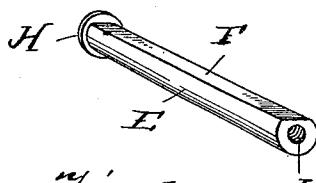


Fig. 4.

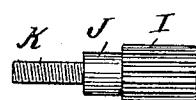


Fig. 5.

WITNESSES

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UNITED STATES PATENT OFFICE.

RIDNER P. CAFFERTY, OF NEW YORK, N. Y.

SAFETY-RAZOR.

999,697.

Specification of Letters Patent. Patented Aug. 1, 1911.

Application filed June 1, 1910. Serial No. 564,465.

To all whom it may concern:

Be it known that I, RIDNER P. CAFFERTY, a citizen of the United States, residing at New York, in the county of New York and 5 State of New York, have invented a certain new and useful Improvement in Safety-Razors, of which the following is a specification.

My invention relates to a new and useful 10 improvement in safety razors, and has for its object to provide a simple construction which will effectually accomplish the result aimed at, in allowing for the adjustment of the blade relative to the guard fingers, 15 and to prevent the blade from turning upon the guard.

With these ends in view, this invention consists in the details of construction and combination of elements hereinafter set 20 forth and then specifically designated in the claims.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, I will 25 describe its construction in detail, referring by letter to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a perspective of my improved safety razor. Fig. 2, a section through the 30 handle, guard and blade. Fig. 3, a detail plan view of the guard. Fig. 4, a detail perspective of the adjusting rod, and Fig. 5, a detail view of the adjusting thumb bolt.

In carrying out my invention as here embodied, A represents the hollow handle, 35 which has formed therewith or attached thereto the guard B, and this guard is bow shaped, as clearly shown in Fig. 2, and has formed therewith the fingers C and the 40 spring sections D.

E is the adjusting rod, having one side thereof flattened, as indicated at F, and this rod is adapted to slide in the handle, but is 45 prevented from turning by the flattened portion F, as will be readily understood.

The blade G is adapted to rest upon the 50 spring sections D, and has a hole therethrough for the passage of the rod E, said rod having a head H, which bears upon the outer surface of the blade, thus providing for holding said blade in place.

I is a thumb bolt, its periphery being knurled and having a reduced portion J which fits within the end of the handle and terminating in the threaded section K, 55 adapted to engage with the threaded bolt L in the rod E, so that by revolving this adjusting bolt the rod E will be moved in or out of the handle A as the case may be to adjust the blade.

In order that the blade may be securely held against any tendency to rotate when being adjusted, or in use, I provide the lugs M, which project upward from the guard and between which the blade snugly 65 fits.

By the construction above described it will be seen that the blade primarily rests upon the spring sections D and these sections are so bent that they normally lie 70 above the plane of the fingers C, so that in drawing the blade inward toward the guard, a greater or less cutting adjustment is provided according to the degree to which the spring sections are compressed by the blade 75 forcing them inward, and this adjustment may be continued until the blade comes in firm contact with the fingers.

Of course I do not wish to be limited to the exact details of construction here shown, 80 as these may be varied within the limits of the appended claims without departing from the spirit of my invention.

Having thus fully described my invention, what I claim as new and useful is— 85

1. As a new article of manufacture, a safety razor comprising a hollow handle, a guard having fingers and four spring sections formed thereon, a blade bearing upon the spring sections, an adjusting rod having 90 one side thereof flattened and passing through the blade and into the hollow handle, and an adjusting bolt threaded into the adjusting rod.

2. In a safety razor, the combination of 95 a hollow handle, a guard, fingers formed upon said guard, spring sections also formed upon the guard, lugs projecting outward from the guard, a blade fitting between the lugs bearing upon the spring sections, an 100 adjusting rod having one side thereof flattened and having a head formed thereon,

said rod passing through a hole in the blade and slideable in the handle, an adjusting bolt having a reduced section fitted to turn in the end of the handle and also having a 5 threaded extension engaging a threaded hole in the adjusting rod, as specified.

In testimony whereof, I have hereunto

affixed my signature in the presence of two subscribing witnesses.

RIDNER P. CAFFERTY.

Witnesses:

RICHARD CONDON,
S. M. GALLAGHER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."