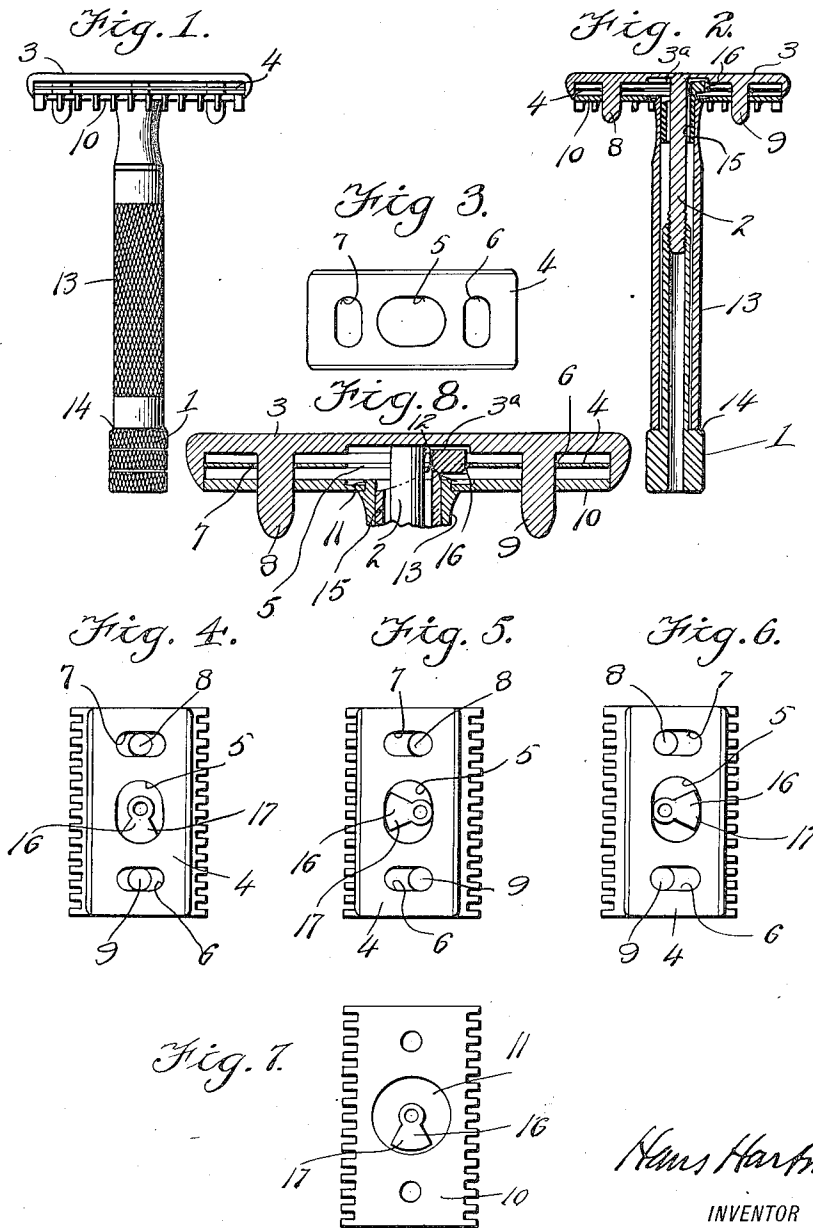


H. HARTMAN.
ADJUSTABLE SAFETY RAZOR.
APPLICATION FILED NOV. 9, 1916.

1,257,079.

Patented Feb. 19, 1918.



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ADJUSTABLE SAFETY-RAZOR.

1,257,079.

Specification of Letters Patent.

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Application filed November 9, 1916. Serial No. 130,331.

To all whom it may concern:

Be it known that I, HANS HARTMAN, a citizen of Austria-Hungary, residing at 253 West 42nd street, New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Adjustable Safety-Razors, of which the following is a specification.

My invention relates to improvements in safety razors and particularly to means for adjusting the blade in proper alinement with the edge of the guard.

The object of my invention is to provide a safety razor in which the blade may be adjusted closer to the edge of the razor guard so as to compensate for the loss in width caused by the repeated resharpening of the blade.

Furthermore, the object of my invention is to provide a blade having a central oval aperture into which an eccentrically formed lug is secured, and which may be rotated around the axis of the handle to adjust the blade to conform to the edge of the razor guard.

Finally, the object of the invention is to produce a safety razor which will possess advantages in points of simplicity, durability and efficiency, proving at the same time comparatively inexpensive to produce and sustain.

With the foregoing and other objects in view, the invention consists in the details of construction, and in the arrangement and combination of parts to be hereinafter more fully set forth and claimed.

In describing the invention in detail reference will be had to the accompanying drawing, forming a part of the specification, wherein like characters denote corresponding parts in the several views, and in which:

Figure 1 is a view in elevation of the safety razor assembled.

Fig. 2 is a vertical section.

Fig. 3 is a top view of a blade as used with the razor.

Figs. 4, 5, 6 and 7 are top views of the safety razor with the razor head removed to show the eccentric for adjusting the blade, and

Fig. 8 is a sectional view of the platen showing a central recess.

In the drawings 1 indicates a hollow handle, having screw threaded engagement with a bolt, 2, of a razor head, 3, for re-

movably securing the handle thereto. The razor head, 3, is provided with a recess, 3^a, which extends around the bolt, 2, and with guard teeth on each side edge. A blade, 4, which is usually made of sheet metal having a uniform thickness with two opposite cutting edges is provided with a central oval aperture, 5, and with two apertures, 6 and 7, located upon opposite ends of the oval aperture for securing studs 8 and 9 formed on the inner surface of the razor head, 3. A platen, 10, having a central aperture, 11, which has a recess 12, upon its under surface, adapted to register with the recess in the razor head, 3, is mounted upon the bolt, 2, and pins 8 and 9. A hollow piece, 13, is mounted upon the handle, 1, and having its lower end seated against the platen, 10, and its opposite end seated against a shoulder, 14, formed on the handle. A small tubular section, 15, having a lug, 16, with a curved outer end surface, 17, formed integral therewith is mounted upon the bolt, 2, the lug, 16, being adapted to rotate within and be guided by the cavity formed by the recesses in the platen, 10, and razor head, 3. The blade 4, is mounted between the razor head, 3, and the platen, 10.

In assembling my improved safety razor, the blade, 4, is mounted on the bolt and pins of the razor head, 3. The small tubular section, 15, is mounted on the bolt, 2, with the lug, 16, seating in the recess 3^a, forming a pocket or guard for the lug, 16, and the handle 1 is then threaded on the bolt 2 which action prevents any accidental movement of the same. It is to be noted that the lug, 16, extends through the oval aperture, 5, in the blade, 4, and by rotating the same the edge of the blade will be moved toward the edge of the guard as desired, when the handle piece is threaded upon the bolt, and the hollow piece, 13, seating against the platen, 10, will prevent any movement of the blade while in use. The rotation of the lug, 16, toward either edge of the back piece will adjust the edge of the blade in conformity thereto.

It is believed that the construction and operation of my improved safety razor can be fully understood from the foregoing description, it being noted that changes may be made in the proportions and details of construction without departing from the scope of my invention.

What I claim as new and desire to secure by Letters Patent is:

1. In a safety razor, a razor head having a bolt extension and provided with a central recess around said bolt extension, a blade having two opposite cutting edges, and provided with a central oval aperture, a tubular member having a lug formed integral therewith, said lug having a curved outer end surface, mounted on said bolt extension and adapted to seat within said recess, a platen having a central aperture provided with a recess upon its inner surface, a handle threaded upon the end of the bolt extension, and a hollow handle member adapted to hold said blade in a rigid position, as and for the purpose set forth.

2. In a safety razor, a razor head having a bolt extension and a recess formed

therein, extending around said bolt, said razor head being provided with guards on its outer edge, a blade having opposite cutting edges and provided with a central oval aperture, a platen having a central aperture provided with a recess on its inner surface, a tubular section having a lug formed integral therewith and at right angles thereto, said lug having a curved outer end surface, adapted to seat within the guideway formed by said recesses, a handle secured to said bolt, and means for holding said blade rigid, substantially as described.

In testimony whereof I affix my signature in the presence of two witnesses.

HANS HARTMAN.

Witnesses:

FRANCIS W. KURTZ,
BERNARD J. BLICKMAN.