F. KIKO.

SAFETY RAZOR.

APPLICATION FILED FEB. 26, 1913.

1,068,247. Patented July 22, 1913.

Fig. 1.

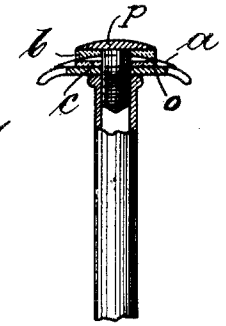


Fig. 2.

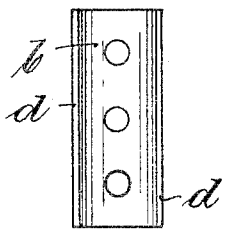


Fig. 3.

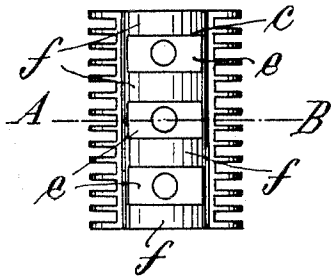


Fig. 4.

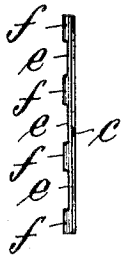


Fig. 5.

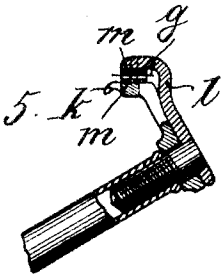


Fig. 6.

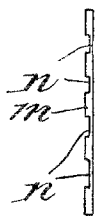
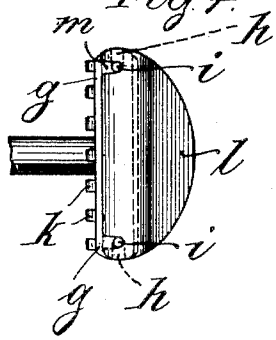


Fig. 7.



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SAFETY-RAZOR.

1,068,247. Specification of Letters Patent. Patented July 22, 1913.

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To all whom it may concern:

Be it known that I, FERDINAND KIKO, subject of the King of Prussia, residing at Bahnhoftrasse, Herford, Germany, have invented certain new and useful Improvements in Safety-Razors, of which the following is a specification.

This invention relates to certain improvements in safety razors of the type having a thin flexible blade, and has for its object to provide a construction wherein the blade will be elestically supported near its cutting edge but held rigid transversely, and for this purpose the blade is clamped between two strips of soft rubber or other elastic material preferably of such form that the blade is supported not over its whole surface but only at individual points, thus enabling the cutting edge of the blade to bend more easily longitudinally, so as to adapt itself to the skin of the user.

In order that the invention may be more clearly understood, reference is made to the accompanying drawings, whereon two embodiments of the invention are illustrated by way of example.

Figure 1 is a sectional view through a double-edged safety razor constructed according to the present invention and taken substantially on the line A—B of Fig. 3. Fig. 2 is an inverted plan view of the upper strip of elastic material. Fig. 3 is a plan of Fig. 1 with the upper elastic material, the blade and the backing removed, and Fig. 4 is a side view of the lower strip of elastic material. Fig. 5 is a sectional view showing the invention as applied to a single-edged safety razor. Fig. 6 is a side view of one of the strips of elastic material employed in connection with the razor illustrated in Fig. 5, and Fig. 7 is a plan view of the razor shown in Fig. 5.

In the double-edged safety razor illustrated in Figs. 1 to 4, the razor blade *a* is clamped between the guard *o* and backing *p* between two strips *b* and *c* of elastic material, such as soft rubber, the upper strip *b* being concave on its under side, so as to form longitudinal projections *d* on the lower side of the strip. The upper side of the strip *c* is formed convex and provided with recesses *e* as shown in Figs. 3 and 4, thus forming convex projections *f* adapted to support the razor blade *a* at different points in its length. It will thus be seen that the blade is elastically supported longitudinally on both sides near its cutting edge by the strips of soft rubber, while being clamped rigidly transversely. The blade is thus prevented from vibration in its holder but, at the same time, its cutting edge is capable of adapting itself longitudinally to the skin of the user. Moreover, the recesses *e* enable the cutting edge of the blade to bend more easily longitudinally, so that it readily adapts itself to any unevenness of the skin.

Figs. 5, 6 and 7 illustrate the application of my invention to a single-edged safety razor having a reversible thin blade of very narrow dimensions. The blade *g* is slotted at its ends at *h* to receive pins *i* projecting from the guard *k* so as to position the blade relatively to the guard. On both sides of the blade *g* and between the backing *l* and guard *k* are narrow elastic strips *m* of soft rubber or the like, one or both of which are provided with recesses *n* at suitable distances apart so that the razor blade *g* is only supported at individual points in order to enable the cutting edge of the blade to bend more readily longitudinally while the blade is clamped rigidly transversely.

I claim:—

1. In a safety razor having a thin flexible blade, a backing and guard, and means for positioning and clamping said blade between said backing and guard; strips of elastic material on both sides of said blade and clamped between said backing and guard, said strips supporting the blade near its cutting edge so as to form an elastic support for the cutting edge longitudinally on both sides thereof while rigidly clamping the blade transversely.

2. In a safety razor having a thin flexible blade, a backing and guard, and means for positioning and clamping said blade between said backing and guard; strips of soft rubber on both sides of said blade and clamped between said backing and guard, said strips supporting the blade near its cutting edge so as to form an elastic support for the cutting edge longitudinally on both sides thereof while rigidly clamping the blade transversely.

3. In a safety razor having a thin flexible

blade, a backing and guard, and means for positioning and clamping said blade between said backing and guard; strips of elastic material on both sides of said blade and clamped between said backing and guard, one of said strips having recesses on the side adjacent to the blade, said strips supporting the blade near its cutting edge so as to form an elastic support for the cutting edge longitudinally on both sides thereof while rigidly clamping the blade transversely.

4. In a safety razor having a thin flexible blade, a backing and guard, and means for positioning and clamping said blade between said backing and guard; strips of soft rubber on both sides of said blade and clamped between said backing and guard, one of said strips having recesses on the side adjacent to the blade, said strips supporting the blade near its cutting edge so as to form an elastic support for the cutting edge longitudinally on both sides thereof while rigidly clamping the blade transversely.

5. In a safety razor having a thin narrow flexible blade having a double cutting edge, a backing and guard, and means for reversibly positioning and clamping said blade between said backing and guard; strips of elastic material on both sides of said blade and clamped between said backing and guard, said strips supporting the blade near its cutting edge so as to form an elastic support for the cutting edge longitudinally on both sides thereof while rigidly clamping the blade transversely.

6. In a safety razor having a thin narrow flexible blade having a double cutting edge, a backing and guard, and means for reversibly positioning and clamping said blade between said backing and guard; strips of soft rubber on both sides of said blade and clamped between said backing and guard, said strips supporting the blade near its cutting edge so as to form an elastic support for the cutting edge longitudinally on both sides thereof while rigidly clamping the blade transversely.

7. In a safety razor having a thin narrow flexible blade having a double cutting edge, a backing and guard, and means for reversibly positioning and clamping said blade between said backing and guard; strips of elastic material on both sides of said blade and clamped between said backing and guard, one of said strips having recesses on the side adjacent to the blade, said strips supporting the blade near its cutting edge so as to form an elastic support for the cutting edge longitudinally on both sides thereof while rigidly clamping the blade transversely.

8. In a safety razor having a thin narrow flexible blade having a double cutting edge, a backing and guard, and means for reversibly positioning and clamping said blade between said backing and guard; strips of soft rubber on both sides of said blade and clamped between said backing and guard, one of said strips having recesses on the side adjacent to the blade, said strips supporting the blade near its cutting edge so as to form an elastic support for the cutting edge longitudinally on both sides thereof while rigidly clamping the blade transversely.

9. In a double-edged safety razor having a thin flexible blade having a double cutting edge, a backing and guard, and means for positioning and clamping said blade between said backing and guard; an upper strip of elastic material concave transversely on its under side between said blade and backing and a lower strip of elastic material convex transversely on its upper side between said blade and guard, said strips supporting the blade near its cutting edge so as to form an elastic support for the cutting edge longitudinally on both sides thereof while rigidly clamping the blade transversely.

10. In a double-edged safety razor having a thin flexible blade having a double cutting edge, a backing and guard, and means for positioning and clamping said blade between said backing and guard; an upper strip of soft rubber concave transversely on its under side between said blade and backing and a lower strip of soft rubber convex transversely on its upper side between said blade and guard, said strips supporting the blade near its cutting edge so as to form an elastic support for the cutting edge longitudinally on both sides thereof while rigidly clamping the blade transversely.

11. In a double-edged safety razor having a thin flexible blade having a double cutting edge, a backing and guard, and means for positioning and clamping said blade between said backing and guard; an upper strip of elastic material concave transversely on its under side between said blade and backing and a lower strip of elastic material convex transversely on its upper side between said blade and guard, said lower strip having recesses in its convex side and said strips supporting the blade near its cutting edge longitudinally on both sides thereof while rigidly clamping the blade transversely.

12. In a double-edged safety razor having a thin flexible blade having a double cutting edge, a backing and guard, and means for positioning and clamping said blade between said backing and guard; an upper strip of soft rubber concave transversely on its under side between said blade and backing and a lower strip of soft rubber convex transversely on its upper side between said

blade and guard, said lower strip having recesses in its convex side and said strips supporting the blade near its cutting edge so as to form an elastic support for the cutting edge longitudinally on both sides thereof while rigidly clamping the blade transversely.

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

FERDINAND KIKO.

Witnesses:
CARL BOROWSKO,
GUSTOW BUSSE.