No. 854,840. PATENTED MAY 28, 1907.

S. I. PRESCOTT.

RAZOR.

APPLICATION FILED JAN. 9, 1907.

Fig. 1

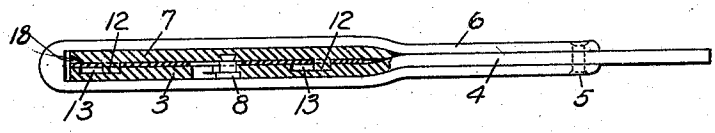


Fig. 2

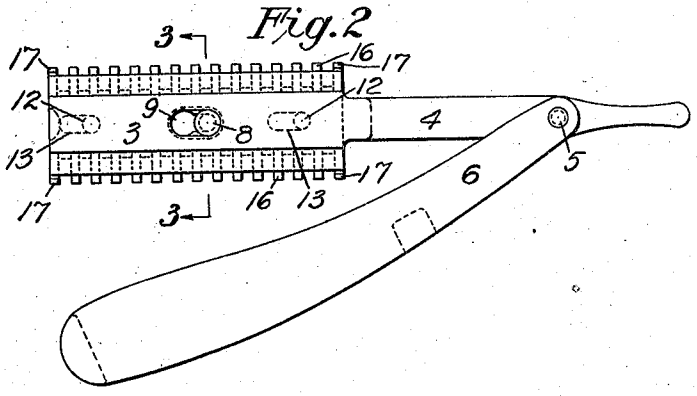


Fig. 4

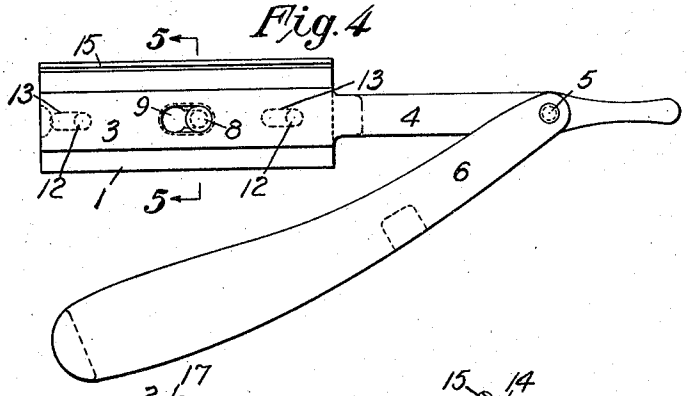


Fig. 3

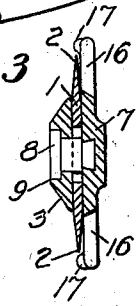


Fig. 5

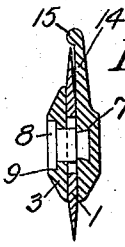
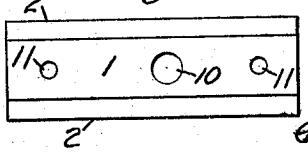


Fig. 6



Attest

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RAZOR.

No. 854,840. Specification of Letters Patent. Patented May 28, 1907.

Application filed January 9, 1907. Serial No. 351,418.

To all whom it may concern:

Be it known that I, SYDNEY I. PRESCOTT, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented a new and useful Razor, of which the following is a specification.

This invention relates to an improvement in razors, and one of the objects thereof is to provide a simple and efficient device in which a thin, replaceable blade is used and which can be used in the same manner as a razor of the ordinary type.

A further object of the invention is to provide a thin, flat, detachable, double-edged blade, the blade being stiff enough to retain a straight edge.

A further object of the invention is to provide a device similar in form to an ordinary razor in which a double safety guard is employed for the purpose of obviating the necessity of shifting the guard from one side of the blade to the other.

A further object of the invention is to provide a device which may be used either as a safety razor or as one of the ordinary type with an exposed blade.

With these and other objects in view, the invention consists in certain constructions and combinations which will be hereinafter fully described and then specifically pointed out in the claims hereunto appended.

In the drawings which form a part of this specification and in which like characters of reference indicate the same parts, Figure 1 is a plan view, partly in section, of a device embodying the invention; Fig. 2 is a side elevation of the structure shown in Fig. 1; Fig. 3 is an enlarged sectional elevation taken on the line 3—3 in Fig. 2; Fig. 4 is a side elevation of a part of the structure shown in Figs. 1 and 2, illustrating a modified form of clamp; Fig. 5 is an enlarged sectional elevation taken on the line 5—5 in Fig. 4; and Fig. 6 is a detailed view of the blade.

In carrying the invention into effect, there is provided a thin blade 1 which may be provided with two cutting edges 2, as shown in Figs. 3 and 6. The blade 1 is flat, and while being thin is of sufficient thickness to retain the cutting edges 2 in a straight line, thus avoiding the curling of the edges which takes place when an excessively thin blade is used.

There is provided a support for the blade and this support may vary widely in structure. As shown, a support 3 is provided which is narrower than the blade and which extends throughout its length. A shank 4 is extended from one end of the support 3 and this shank 4 is pivoted at 5 to a handle 6 of any suitable structure. For the purpose of equalizing the weight and balancing the device the shank 4 lies in planes offset from the planes of the support 3, and in planes coincident with the planes of the blade, as is clearly shown in Fig. 1.

A clamp is provided for securing the blade to the support and this clamp may vary widely in form. As shown, a substantially flat clamp 7 is used, the clamp being narrower than the blade and extending throughout its length. The clamp 7 is provided with means engaging the support and having a limited sliding movement thereon to lock the blade between the clamp and support, and this means may vary widely in construction. In the best constructions and as shown, this means has a limited, longitudinal, sliding movement on the support and consists of a headed stud 8 which engages a shouldered countersunk slot 9 in the support 3 before referred to, the shoulder being cut away at one end of the slot, as is clearly shown in Figs. 2 and 4, so that the head of the stud may be withdrawn from the support. It will be seen that the locking means is located between the exterior of the support and the exterior of the clamp. The blade 1 is provided with perforations 10 and 11, the perforation 10 being so located in the blade that the headed stud 8 will pass through it and into the slot 9 before referred to.

Means are provided for positioning the blade on the clamp and this means may vary widely in form. As shown, a plurality of studs 12 are employed for this purpose and these studs are arranged to pass through the perforations 11 in the blade and project beyond the face thereof so that when the blade and clamp are placed in position on the support the studs 12 will engage slots 13 cut in the support 3. It will be readily understood that when the blade and clamp are locked in position on the support that the studs 12, en-

gaging the slots 13, will prevent any rotating movement of the blade on the stud 8 as a center.

Means are provided for protecting one edge of the blade, when the other is to be exposed for use as in an ordinary razor. In the modified form of clamp, illustrated in Figs. 4 and 5, this means consists of an extension 14 projected from one side of the clamp 7, the edge of the extension being ribbed at 15, the rib extending over the edge of the blade.

The device may be provided with means whereby it is converted into a safety razor and this means may vary widely in form. In the best constructions and as shown, the clamp 7 is provided with a series of teeth 16 projecting from both sides of the clamp and extending beyond the edge of the blade, as is clearly shown in Figs. 2 and 3. These teeth do not contact with the cutting edges 2 of the blade.

Means are provided for protecting the corners of the blade when the double safety guard is used and this means is carried by the clamp and lies in the planes of the blade. In the device illustrated, this means consists of ribs 17 formed on the end teeth projecting from the clamp 7, the ribs being bent to intersect the planes of the blade, as is clearly shown in Figs. 2 and 3.

Means are provided for assisting in the removal of a blade from the clamp and this means may vary in construction. As shown, the clamp 7 is provided with a recess 18 at one end, the purpose of this recess being to permit the insertion of a finger to lift the blade from the clamp.

Changes and variations may be made in the structure by means of which the invention is carried into effect. The invention therefore is not to be restricted to the precise structure shown and described.

What is claimed is:—

1. In a razor, the combination with a flat detachable blade, of a support for the blade having a shank extended from one end thereof and lying in planes offset from the planes of the support, and a segregable clamp provided with means engaging the support and having a limited sliding movement thereon to lock the blade between the clamp and support, substantially as described.

2. In a razor, the combination with a flat detachable blade, of a support for the blade, and a segregable clamp provided with a headed stud engaging a shouldered countersunk slot in the support and having a limited sliding movement in the slot to lock the blade between the clamp and support, substantially as described.

3. In a razor, the combination with a flat detachable perforated blade, of a support for the blade, and a segregable clamp provided with positioning studs passing through perforations of the blade and with a headed stud passing through one of the perforations of the blade and engaging a shouldered countersunk slot in the support and having a limited sliding movement therein to lock the blade between the clamp and the support, substantially as described.

4. In a razor, the combination with a flat detachable perforated blade, of a support for the blade, and a segregable clamp provided with positioning studs passing through and projecting beyond perforations of the blade and with a headed stud passing through a perforation of the blade and engaging a shouldered countersunk slot in the support and having a limited sliding movement therein to lock the blade between the clamp and support the support being provided with elongated recesses engaged by the projecting ends of the positioning studs, substantially as described.

5. In a razor, the combination with a flat detachable blade, of a support for the blade, and a segregable clamp provided with blade positioning studs and with means engaging the support and having a limited sliding movement thereon to lock the blade between the clamp and support the clamp being provided with a finger recess, substantially as described.

6. In a razor, the combination with a flat detachable double-edged perforated blade, of a support for the blade having a shank extended from one end thereof the shank lying in planes offset from the planes of the support, and a clamp provided with blade-positioning studs passing through and projecting beyond perforations of the blade and with a headed stud engaging a shouldered countersunk slot in the support and having a limited sliding movement thereon to lock the blade between the clamp and support the opposite edges of the clamp being provided with teeth to form a double safety guard and the corner teeth being bent to intersect the planes of the blade to protect the corners thereof, substantially as described.

7. In a razor, the combination with a perforated blade, of a support for the blade, a clamp, means for positioning the blade between the support and clamp, independent means passing through the blade for holding the support and clamp together, and a shank extended from one end of the support and lying in planes co-incident with the planes of the blade, substantially as described.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses.

SYDNEY I. PRESCOTT.

Witnesses:
L. O. KUHN,
W. B. ROSENCRANTZ.