No. 664,177. Patented Dec. 18, 1900.

A. W. SCHEUBER.

SAFETY RAZOR.

(Application filed Sept. 14, 1900.)

(No Model.)

Fig. 1.

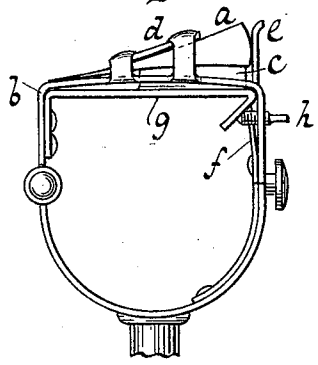


Fig. 2.

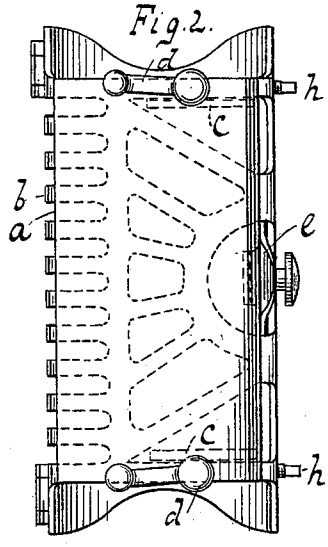


Fig. 3.

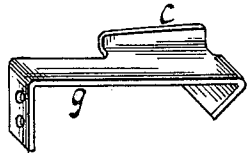


Fig. 5.

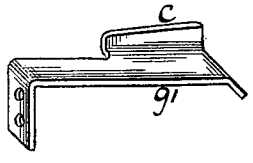
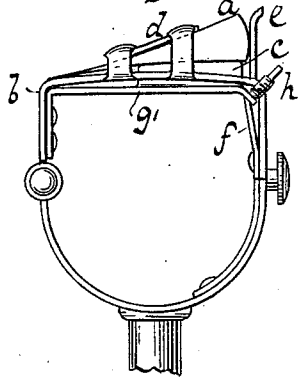


Fig. 4.



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SAFETY-RAZOR.

SPECIFICATION forming part of Letters Patent No. 664,177, dated December 18, 1900.

Application filed September 14, 1900. Serial No. 30,069. (No model.)

To all whom it may concern:

Be it known that I, AUGUST WM. SCHEUBER, a citizen of the United States, residing in the borough of Manhattan, in the city, county, and State of New York, have invented new and useful Improvements in Safety-Razors, of which the following is a specification.

This invention relates to improvements in safety-razors in which the blade can be adjusted; and the object of the invention is to provide an adjustment which is simple and easily operated and which will not interfere with the satisfactory operation of the razor.

The invention is set forth in the following specification and claims and illustrated in the annexed drawings, in which—

Figure 1 is a side elevation of a safety-razor embodying this invention. Fig. 2 is a plan view of Fig. 1. Fig. 3 shows part of a blade-support. Fig. 4 shows a modification. Fig. 5 shows the blade-support of Fig. 4.

In the drawings is shown a razor-blade *a*, and at *b* a guard or teeth, preferably called "comb-plate" herein. The blade is shown resting on an adjustable blade-support *c*, extending upwardly through the plate *b*, and the clamps *d* are arranged to clamp the ends of the blade to such support *c* on comb-plate *b*. A spring at the rear of the blade and made to press the latter forward beneath the clamps can be made to regulate the cutting action of the blade or to hold the blade in operative or shaving position. This spring can be variously formed. One form of spring is shown in the drawings, a swinging or pivoted arm *e* being held by spring *f* to the blade to press the latter forward. This arm *e* can also be swung or snapped back or out of the way of the blade to allow the latter to be removed from the comb-plate.

The clamps, as seen, are non-adjustably fixed to or made integral with the comb-plate, and the top or upper faces of the clamps can be made smooth or rounded, so as not to present any points or projections which may scratch or cause an unpleasant sensation when the razor is in use or brought in contact with the face.

The adjustable blade-support is shown composed of two parts or sections *c*, which could be connected by a cross piece or bar; but the construction shown has been found simple and operative. This blade-support *c* is supported on springs or arms *g*, attached at their forward ends to the front portion of the comb-plate and made to carry the blade-support, so that the latter extends under and yieldingly supports the blade.

The means for adjusting the support with the blade are shown in form of screws *h*, placed in or tapped through the rear of the comb-plate and engaging the spring-arms, or rather the inclined portions at the rear or free ends of the arms, to regulate the position of the blade-support relatively to the comb-plate and clamps.

In the structure shown in Fig. 1 the spring-arms and blade-support tend to spring away from or widen the gap between such support and the clamps. As the screws are run forward or toward the incline at the lower side of the spring-arms the support is raised or the space between the support and clamps narrowed as required to hold the edge of a blade of certain width or thickness in proper relation to the front of the comb-plate. In Fig. 4 the spring-arms *g'* tend to spring support *c* the other way, and the screws *h* when run or turned toward the support will move the latter away from clamp *d*.

The support *c* can be readily made or formed of one piece with springs *g*, if desired, and such structure is simple and durable and forms a blade-support that extends under and operates to yieldingly support the blade.

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

1. In a safety-razor, the combination with a blade and comb-plate, of an adjustable blade-support extending through said plate and adapted to engage the blade, and means for adjusting the said support.

2. In a safety-razor, the combination with a blade and comb-plate, of a spring-supported means extending through said plate and adapted to engage said blade, and means for adjusting the said spring-supported means.

3. In a safety-razor the combination with a blade and a comb-plate, of clamps on the plate, spring-arms attached at their forward ends to the front portion of the comb-plate and carrying a blade-support that extends under

and operates to yieldingly support the blade, means for adjusting the support with the blade, and a spring at the rear of the blade to press the latter forward between the clamps and blade-support substantially as described.

4. In a safety-razor the combination with a blade and a comb-plate, of clamps on the plate, spring-arms attached at their forward ends to the front portion of the comb-plate and carrying a blade-support that extends under and operates to yieldingly support the blade, adjusting-screws in the comb-plate and engaging the spring-arms to regulate the position of the blade-support relatively to the comb-plate and clamps, and a spring to press the blade forward between the clamps and blade-support substantially as described.

5. In a safety-razor the combination with a blade and a comb-plate, of clamps on the plate, spring-arms attached at their forward ends to the front portion of the comb-plate and having their rear ends inclined and carrying a blade-support to yieldingly support a blade, adjusting-screws in the rear of the comb-plate and engaging the inclined ends of the spring-arms, and a spring to press the blade forward substantially as described.

6. In a safety-razor, a comb-plate, a blade, a support for said blade adapted to extend through said plate, and means secured to said plate for yieldingly supporting said support.

7. In a safety-razor, a comb-plate carrying a blade, a support extending through said plate for said blade, means connected at one end to said plate for yieldingly supporting said support, and means engaging the free end of said yieldingly-supporting means for adjusting the said support.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

AUGUST WM. SCHEUBER.

Witnesses:
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E. F. KASTENHUBER.