No. 616,807. Patented Dec. 27, 1898.

J. REICHARD.

SAFETY RAZOR.

(Application filed June 20, 1898.)

(No Model.)

Fig. 1.

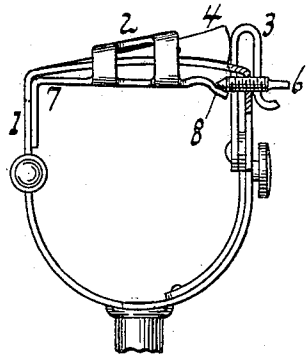


Fig. 2.

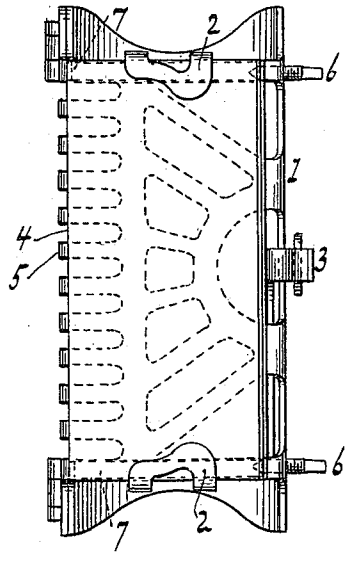
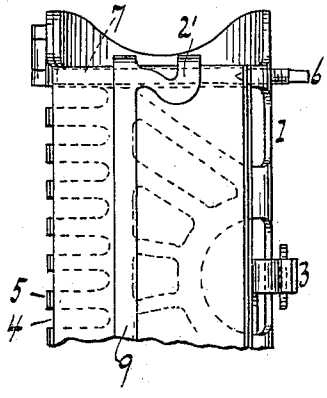


Fig. 3.



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UNITED STATES PATENT OFFICE.

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SAFETY-RAZOR.

SPECIFICATION forming part of Letters Patent No. 616,807, dated December 27, 1898.

Application filed June 20, 1898. Serial No. 683,969. (No model.)

To all whom it may concern:

Be it known that I, JEREMIAH REICHARD, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Safety-Razors, of which the following is a specification.

By means of this invention a safety-razor is capable of being satisfactorily set or adjusted and of being operated without scratching or inconvenience, as set forth in the following specification and claims and illustrated in the annexed drawings, in which—

Figure 1 is a side elevation of the device. Fig. 2 is a plan view of Fig. 1. Fig. 3 is a plan view of a modification.

The blade-holder 1 is provided with blade-retaining clamps 2, a spring 3 pressing the blade 4 toward the guard or teeth 5. The razor-holder 1 is provided with adjusting-screws 6 for the clamps. These screws are shown mounted in the holder clear of the clamps, the taps or threads for the screws 6 being shown in the rear or back part of the holder. The clamps 2 have a yielding or spring support formed by arms 7, secured or riveted at the front of the holder or under the guard or comb 5. The clamps are thus yielding and are shown extending over the top of the holder at the ends of the top, so as to catch or hold the blade to the holder. By running or setting the screws more or less forward or toward guard 5, said screws engaging the parts or inclines 8, Fig. 1, of the clamps 2 or of their arms 7 will draw or set the latter with the blade in relation to the guard or holder, as may be required. The blade can thus be adjusted for coarser or finer shaving.

It will be noted that the spring 3 presses against the back of the blade and has a constant tendency to feed the blade forward controlled by the adjusting-screws 6. If said screws be loosened, the spring 3 will instantly and automatically feed the blade forward, the distance which the blade is moved being dependent upon the extent to which the screws are loosened and the clamps consequently raised.

The adjusting-screws for the clamps being mounted in the back or body of the holder leave the top of the holder smooth or unstudded. Should the screws or studs project from the top of the clamps or holder, such screws would be apt to scratch or contact with the person while shaving, thus producing discomfort. By having the tops of the clamps smooth such discomfort is avoided.

The clamps could be mounted independently of one another, or said clamps could be connected or formed or made to act in unison or as one clamp by a connecting bar or strip, as shown in Fig. 3, where the clamps 2 are formed or provided with a connection 9.

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

1. In a safety-razor, the combination with a blade and a comb-plate on which the blade is arranged to rest, of spring-supported clamps arranged to clamp the ends of the blade to the comb-plate with a yielding pressure, means for adjusting the pressure of the clamps on the blade, and a spring arranged at the rear of the blade and operating to press the latter forward beneath the clamps to regulate the cutting action of the blade, substantially as described.

2. In a safety-razor, the combination with a blade and a comb-plate on which the blade rests, of spring-arms attached at their forward ends to the front portion of the comb-plate and carrying U-shaped clamps that extend over the ends of the blade and operate to clamp the blade to the comb-plate with a yielding pressure, means for adjusting the pressure of the clamps on the blade, and a spring arranged at the rear of the blade and arranged to press the latter forward beneath the clamps, substantially as described.

3. In a safety-razor, the combination with a blade and a comb-plate on which the blade rests, of spring-arms attached at their forward ends to the front portion of the comb-plate and having their rear ends inclined from the blade-support, U-shaped clamps carried by said arms, said clamps extending over and clamping the ends of the blade to the comb-plate with a yielding pressure, adjust-

ing-screws tapped through the rear of the comb-plate and engaging the inclined ends of the spring-arms to regulate the pressure of the clamps on the blade, and a spring operating to press the blade forward beneath the clamps, substantially as described.

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

JEREMIAH REICHARD.

Witnesses:
AUGUST WM. SCHEUBER,
E. F. KASTENHUBER.