No. 749,751. PATENTED JAN. 19, 1904.

A. W. SCHEUBER.

SAFETY RAZOR FRAME.

APPLICATION FILED MAR. 2, 1903.

NO MODEL.

Fig. 1

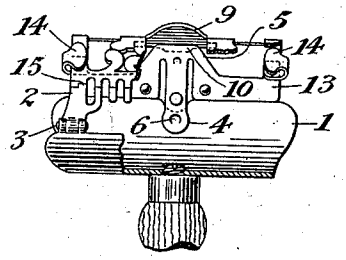


Fig. 2

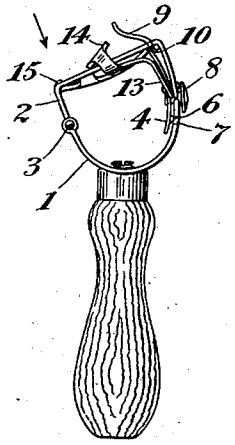


Fig. 3

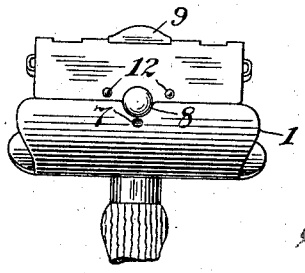


Fig. 4

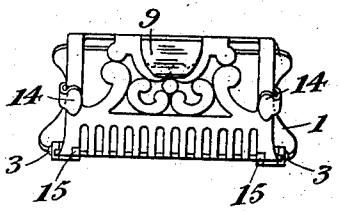
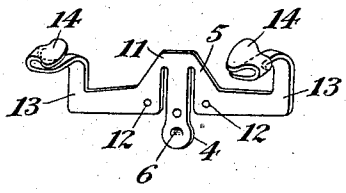


Fig. 5



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UNITED STATES PATENT OFFICE.

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SAFETY-RAZOR FRAME.

SPECIFICATION forming part of Letters Patent No. 749,751, dated January 19, 1904.

Application filed March 2, 1903. Serial No. 146,778. (No model.)

To all whom it may concern:

Be it known that I, AUGUST WILLIAM SCHEUBER, a citizen of the United States, residing at Hoboken, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Safety-Razor Frames, of which the following is a full, clear, and exact specification.

The object of my invention is to provide a simple and efficient frame or casing for safety-razors that shall not only possess the necessary means for adjusting the various parts, but one which is composed of a minimum number of parts and will thus be cheap to construct and easy to put together.

I have shown one form of my invention in the accompanying drawings, wherein—

Figure 1 is a front elevation of the razor, showing a part of the casing broken away for the sake of clearness and in order to show the disposition of the spring for actuating the various parts. Fig. 2 is a side elevation of the razor complete; Fig. 3, a rear view; Fig. 4, a top view of the casing, showing the blade-support, guard, &c., looking in the direction of the arrow in Fig. 2; and Fig. 5 is a perspective view of the spring carrying the clips and for actuating the various parts.

In the drawings, 1 represents the casing proper, having the blade-support 2 pivoted to it at 3. A suitable catch, consisting of a spring-tongue 4 of the spring 5, having a suitable projection 6 for engaging a recess 7 in the rear of the casing and provided with a button 8 for operating it, serves to hold the blade-support and casing together when in operation. To the back of the blade-support and under suitable projections is pivoted in the well-known manner the swinging lip 9, adapted to bear against the rear of the blade when the latter is in place and the lip pushed forward or to be swung back for the admission of the blade, a slight projection contacting with and being operated by the head or yoke-shaped portion 11 of the spring 5, which tends to hold the lip in either of the two described positions. The spring 5 is secured to the casing by any suitable means, such as rivets 12 12, and the laterally-extending ends 13 13 of said spring are bent upward and forward and formed into clips 14, the tension of the arms tending to hold the clips down upon or near the top of the blade-support and while yielding slightly when the beveled blade is inserted beneath them serve to hold it firmly in place on the support when the lip 9 is swung forward against the rear of the blade. The forward movement of the blade is limited by the studs 15, and thus the cutting edge of the blade is automatically brought to a proper shaving position.

It will readily be seen that the casing has the desirable qualities of being readily opened for cleaning and at the same time is composed of but few parts, and is therefore very cheap and efficient. It is also evident that many modifications of my invention may be devised without departing from the spirit thereof and that many changes can be made from the structure shown in the drawings, and I do not limit myself thereto.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a safety-razor frame, a case having a blade-supporting portion, a lip adapted to bear against the rear of the blade, a spring on said casing for operating said lip, and clips formed integral with said spring, substantially as described.

2. In a safety-razor frame, a casing and blade-support movably secured thereto, a lip on said blade-support adapted to bear against the rear of the blade, a spring also on said blade-support for operating said lip, and clips formed integral with said spring, substantially as described.

3. In a safety-razor frame, a casing, a blade-support movably secured thereto, a catch for securing said blade-support to said casing, a lip on said blade-support adapted to bear against the rear of the blade, a spring also on said blade-support for operating said lip, and clips formed integral with said spring, substantially as described.

4. In a safety-razor frame, a casing, a blade-support pivoted at its front ends thereto, a catch for securing said blade-support to said casing, opposite the said pivots, a lip on said blade-support adapted to bear against the rear

of the blade, a spring also on said blade-support for operating said lip, and said catch, and clips formed integral with said spring, substantially as described.

5. In a safety-razor frame, a casing, a blade-support pivoted at its front ends to said casing, a catch at the rear for securing the blade-support to said casing, a lip on said blade-support and adapted to bear against the rear of the blade, a spring also on said blade-support for operating said lip, and said catch, and clips formed integral with said spring, substantially as described.

6. In a safety-razor frame, a casing, a blade-support pivoted at its front ends thereto, a catch opposite said pivots for securing said blade-support to said casing, a swinging lip on said casing adapted to bear against the rear of the blade, a single spring also on said blade-support for operating said catch and said lip, and spring-clips formed integral with said spring, substantially as described.

7. In a safety-razor frame, a casing, a blade-support pivoted thereto, a catch for securing said blade-support to said casing, a lip on said blade-support, adapted to bear against the rear of the blade, a yoke-shaped spring with a depending tongue also on said blade-support for operating said catch and said lip and spring-clips formed integral with said spring, substantially as described.

8. A spring for a safety-razor frame substantially yoke-shaped and adapted to be secured at its two lower shoulders, said spring having a centrally-disposed depending tongue located within said yoke-shaped portion and between said shoulders and the ends of said spring being bent so as to form clips, substantially as described.

9. A spring for a safety-razor frame, provided with clips and having a portion for operating a lip for bearing against the rear of the blade, substantially as described.

10. A spring for a safety-razor frame substantially yoke-shaped and adapted to be secured to its two shoulders, said spring having a centrally-disposed depending tongue located within said yoke-shaped portion, and the ends of said spring being bent so as to form clips.

11. In a safety-razor frame, a casing having a blade-supporting portion, a lip adapted to bear against the rear of the blade, and a single spring having its middle portion secured to the casing, and being provided at its ends with L-shaped arms bent forward, outward and over the casing, the ends of said L-shaped arms being formed into clips for holding the blade, substantially as described.

12. In a safety-razor frame, a casing having a blade-supporting portion, a lip adapted to bear against the rear of the blade, and a single spring having its middle portion secured to the rear of the casing, and being provided at its ends with L-shaped arms bent forward, outward and over the casing, the ends of said L-shaped arms being formed into clips for holding the blade, substantially as described.

13. In a safety-razor frame, a casing, a blade-support movably secured thereto, a lip on said blade-support for bearing against the rear of the blade, and a single spring secured by its middle portion to said blade-support, said spring having at the ends thereof L-shaped arms bent forward, outward and over the edge of the blade-support, the ends of said arms being formed into clips for holding the blade, substantially as described.

14. In a safety-razor frame, a casing, a blade-support movably secured thereto, a lip adapted to bear against the rear of the blade on said blade-support, and a single spring secured by its middle portion to the rear wall of the blade-support and having at its ends L-shaped arms bent forward, outward and over the casing, the ends of said L-shaped arms being formed into clips for holding the blade, substantially as described.

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