No. 759,475. PATENTED MAY 10, 1904.

A. W. SCHEUBER.

SAFETY RAZOR CASING.

APPLICATION FILED APR. 28, 1903.

NO MODEL.

Fig. 1

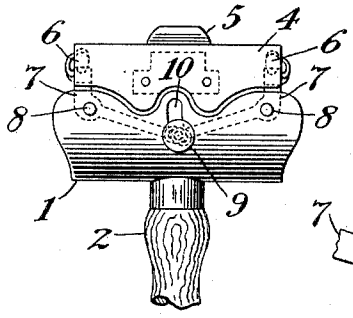


Fig. 9

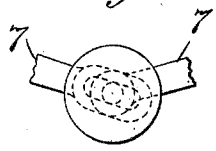


Fig. 2

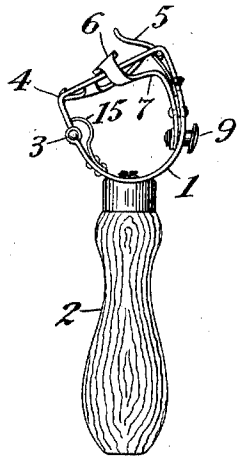


Fig. 3

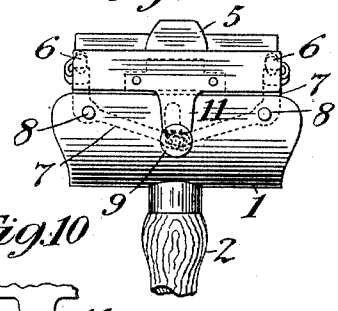


Fig. 4

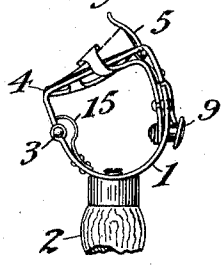


Fig. 10



Fig. 6

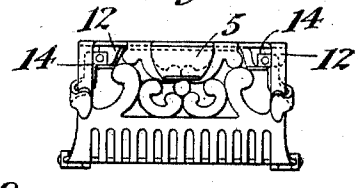


Fig. 8

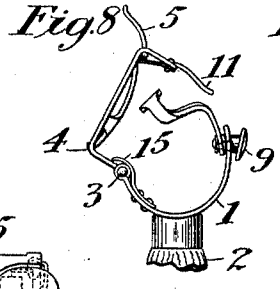


Fig. 5

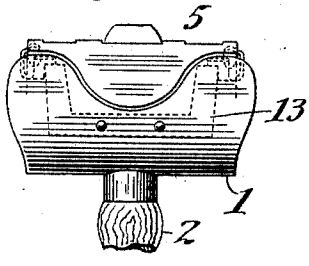
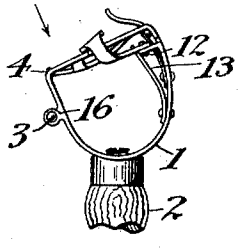


Fig. 7



Witnesses:

Chas. D. King.

Adolph P. Dorr.

Inventor:

August Wm Scheuber

By his Attorney

Clifford P. Dunn.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 759,475 Patented May 10, 1904.

UNITED STATES PATENT OFFICE.

AUGUST WM. SCHEUBER, OF HOBOKEN, NEW JERSEY, ASSIGNOR TO HIMSELF, AND JEREMIAH REICHARD, OF CALDWELL, NEW JERSEY, DOING BUSINESS AS REICHARD & SCHEUBER MANUFACTURING COMPANY, A FIRM.

SAFETY-RAZOR CASING.

SPECIFICATION forming part of Letters Patent No. 759,475, dated May 10, 1904.

Application filed April 28, 1903. Serial No. 154,652. (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 Casings, of which the following is a full, clear, and exact specification.

My invention relates to a safety-razor casing or frame; and it consists of the combinations and parts hereinafter more particularly pointed out. It has heretofore been usual to construct a safety-razor frame with a casing proper and a blade-support pivoted or otherwise movably secured thereto and to provide said blade-support with blade-retaining clips and a catch for securing it to the casing proper.

In my present improvements one object has been to construct a frame wherein a catch proper for holding the blade-support to the casing is unnecessary.

Another object has been to provide clips which are automatically moved into operative position when the blade-support is closed upon the casing, a third object to provide a casing wherein the blade-support normally tends to open itself, and a fourth object to provide a casing of the aforementioned type provided with movable spring-actuated clips on the casing proper.

In the accompanying drawings, illustrating my invention, Figure 1 is a rear and Fig 2 a side or end elevation of the casing unprovided with any specific catch for securing the parts together. Figs. 3 and 4 are rear and side elevations of the modified form wherein the clips are automatically moved into operative position by the closing of the blade-support upon the casing; Figs. 5 and 6, rear and top views of the modification having movable spring-actuated clips; Fig. 7, an end elevation of the last-mentioned modification; Fig. 8, a similar view to Fig. 4, but showing the blade-support partly open. Figs. 9 and 10 are fragmentary detailed views of parts hereinafter more particularly described.

In the drawings, 1 represents the casing proper, to which is secured by any suitable means the handle 2. To this casing is pivoted at any suitable point, as at 3, the blade-support 4, to which is movably secured the lip 5 for bearing against the rear of the blade in a well-known manner.

In the construction shown in Figs. 1 and 2 the clips 6 are formed upon bent L-shaped arms 7, pivoted to the casing, as at 8, the ends of said arms being secured to the movable stud or button 9, adapted to slide in the slot 10 in the casing. One of the arms 7 is rigidly secured to the said button, the other arm being provided with a slot in which the button moves, thereby permitting the vertical movement of the button, and thus the operation of the clips, as is clearly illustrated in Fig. 9, wherein the left-hand arm is the one provided with a slot.

In the modification shown in Figs. 3 and 4 the blade-support is provided at its back with a depending finger 11, adapted to contact with the stud or button 9. By this means the downward movement of the blade-support upon the casing automatically forces the clips over the edge of the blade-support into an operative position.

In the modification shown in Figs. 5, 6, 7, and 8 the clips are pivoted to suitable projections 12 on the casing, a spring 13 bearing on the cam-surfaces 14, the spring being rigidly secured to the casing and serving to maintain the clips either in or out of operative position.

In Figs. 2, 4, and 8 I have shown a spring 15, which normally tends to force the blade-support away from the casing; but in Fig. 7 the same effect is produced by placing the hinge as shown, the spring or elasticity of the material of the casing, in conjunction with

the shoulders 16, tending to force the blade-support away from the casing.

The operation of the device will be readily understood. The blade-support is normally forced away from the casing, the clips being spread apart to permit its movement. To insert the blade, the blade-support is pressed down upon the casing, the clips moved into operative position, (this being down automatically in the modification shown in Figs. 3 and 4,) and the lip 5 being swung back the blade may be readily inserted and held firmly in place by swinging forward the lip. It will be readily seen that any movement of the blade-support toward or from the casing proper after the clips are in position varies the blade-receiving space, and the tendency of the blade-support to move away from the casing causes the blade to be held firmly between the support and clips, its forward-and-backward movement being limited by the usual stops and lip.

It is evident that many changes and modifications can be made from the structure shown in the drawings and described in this specification, and I do not limit myself to any particular form of device; but

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

1. In a safety-razor frame, the combination of a casing, a blade-support movably secured thereto and normally pressing upward, movable clips on said casing, and a lip for bearing against the rear of the blade on said blade-support, substantially as described.

2. In a safety-razor frame, the combination of a casing, a blade-support pivoted at its front ends thereto and normally pressing upward, movable clips on said casing and a lip for bearing against the rear of the blade on said blade-support, substantially as described.

3. In a safety-razor frame, a casing, a blade-support movably secured thereto and normally pressing upward, means for holding the blade on said blade-support, said blade-support being adapted to be held in operative position only when the blade is in position, substantially as described.

4. In a safety-razor frame, a casing, a blade-support movably secured thereto and normally pressing upward, clips and a lip for bearing against the rear of the blade, said blade-support being adapted to be held in operative position only when the blade is in position, substantially as described.

5. In a safety-razor frame, a casing, a blade-support movably secured thereto and normally pressing upward, movable clips and a lip for bearing against the rear of the blade, said blade-support being adapted to be held in operative position only when the blade is in position, substantially as described.

6. In a safety-razor frame, a casing, a blade-support movably secured thereto and normally pressing upward, movable clips and a lip for bearing against the rear of the blade on said blade-support, said blade-support being held in operative position only when the blade is in position, substantially as described.

7. In a safety-razor frame, a casing, a blade-support movably secured thereto and normally pressing upward, movable clips on said casing and a lip on said blade-support, said blade-support being adapted to be held in operative position only when the blade is in position, substantially as described.

8. In a safety-razor frame, a casing, a blade-support pivoted at its front ends thereto and normally pressing upward, means for holding the blade on said blade-support, said blade-support being adapted to be held in operative position only when the blade is in position, substantially as described.

9. In a safety-razor frame, a casing, a blade-support pivoted at its front ends thereto and normally pressing upward, clips and a lip for bearing against the rear of the blade, said blade-support being adapted to be held in operative position only when the blade is in position, substantially as described.

10. In a safety-razor frame, a casing, a blade-support pivoted at its front ends thereto and normally pressing upward, movable clips and a lip for bearing against the rear of the blade on said blade-support, said blade-support being held in operative position only when the blade is in position, substantially as described.

11. In a safety-razor frame, a casing, a blade-support pivoted at its front ends thereto and normally pressing upward, movable clips on said casing and a lip for bearing against the rear of the blade on said blade-support, said blade-support being adapted to be held in operative position only when the blade is in position, substantially as described.

12. In a safety-razor frame, the combination of a casing, a blade-support movably secured thereto and normally pressing upward, guard-teeth mounted on said blade-support, and means on said casing for holding the blade on said blade-support, substantially as described.

13. In a safety-razor frame, the combination of a casing, a blade-support pivoted at its front ends thereto and normally pressing upward, guard-teeth mounted on said blade-support, and means on said casing for holding the blade on said blade-support, substantially as described.

14. In a safety-razor frame, the combination of a casing, a blade-support movably secured thereto and normally pressing upward, guard-teeth mounted on said blade-support, movable clips on said casing and a lip for bearing against the rear of the blade, substantially as described.

15. In a safety-razor frame, the combination

of a casing, a blade-support movably secured thereto and normally pressing upward, guard-teeth on said blade-support, movable clips on said casing, and a lip for bearing against the rear of the blade on said blade-support, substantially as described.

16. In a safety-razor frame, the combination of a casing, a blade-support pivoted at its front ends thereto, guard-teeth on said blade-support, movable clips on said casing and a lip for bearing against the rear of the blade on said blade-support, substantially as described.

17. In a safety-razor frame, a casing, a blade-support movably secured thereto, and movable clips so arranged that the closing of the blade-support brings the clips into operative position for holding the blade, substantially as described.

18. In a safety-razor frame, a casing, a blade-support movably secured thereto, clips pivoted to the casing and so arranged that the closing of the blade-support brings the clips into operative position for holding the blade, substantially as described.

19. In a safety-razor frame, a casing, a blade-support movably secured thereto, a movable lip and clips movably secured to the casing and so arranged that the closing of the blade-support brings the clips into operative position for holding the blade, substantially as described.

20. In a safety-razor frame, a casing, a blade-support movably secured thereto, movable clips so arranged that the closing of the blade-support brings the clips into operative position, said blade-support being adapted to be held in operative position only when the blade is in position, substantially as described.

21. In a safety-razor frame, a casing having a blade-supporting portion, movable clips, and integral means for moving said clips into and out of operative position, substantially as described.

22. In a safety-razor frame, a casing having a blade-supporting portion, movable clips, and integral means for moving said clips into and out of operative position, said blade-support being adapted to be held in operative position only when the blade is in position, substantially as described.

23. In a safety-razor frame, a casing, a blade-support movably secured thereto, movable clips and integral means for moving said clips into and out of operative position, substantially as described.

24. In a safety-razor frame, a casing, a blade-support pivoted at its front ends thereto, movable clips and integral means for moving said clips into and out of operative position, substantially as described.

25. In a safety-razor frame, a casing, a blade-support movably secured thereto, movable clips and integral means for moving said clips into and out of operative position, said blade-support being adapted to be held in operative position only when the blade is in position, substantially as described.

26. In a safety-razor frame, a casing, a blade-support pivoted at its front ends thereto, movable clips and integral means for moving said clips into and out of operative position, said blade-support being adapted to be held in operative position only when the blade is in position, substantially as described.

27. In a safety-razor frame, a casing, a blade-support movably secured thereto, pivoted clips and integral means for moving said clips into and out of operative position, said blade-support being adapted to be held in operative position only when the blade is in position, substantially as described.

28. In a safety-razor frame, the combination of a casing, a blade-support movably secured thereto, and means for holding the blade on said blade-support, the parts being so arranged that the movement of the blade-support on said casing varies the blade-retaining space, substantially as described.

29. In a safety-razor frame, the combination of a casing, a blade-support pivoted at its front ends thereto and means for holding the blade on said blade-support, the parts being so arranged that the movement of the blade-support on said casing varies the blade-retaining space, substantially as described.

30. In a safety-razor frame, the combination of a casing, a blade-support movably secured thereto, and movable clips and a lip for bearing against the rear of the blade, the parts being so arranged that the movement of the blade-support on said casing varies the blade-retaining space, substantially as described.

31. In a safety-razor frame, the combination of a casing, a blade-support movably secured thereto, movable clips on said casing, and a lip for bearing against the rear of the blade on said blade-support, the parts being so arranged that the movement of the blade-support on said casing varies the blade-retaining space, substantially as described.

32. In a safety-razor frame, the combination of a casing, a blade-support pivoted at its front ends thereto, movable clips on said casing and a lip for bearing against the rear of the blade on said blade-support, the parts being so arranged that the movement of the blade-support on said casing varies the blade-retaining space, substantially as described.

33. In a safety-razor frame, the combination of a casing, a blade-support movably secured thereto, movable clips on said casing, and a lip for bearing against the rear of the blade on said blade-support, and spring-actuated means for normally tending to force the blade-support away from the casing, substantially as described.

34. In a safety-razor frame, the combination

of a casing, a blade-support pivoted at its front ends thereto, movable clips on said casing, a lip for bearing against the rear of the blade on said blade-support, and spring-actuated means for normally tending to force the blade-support away from the casing, substantially as described.

35. In a safety-razor, a casing, a blade-support pivoted at its front ends thereto, movable clips on said casing, and a lug on said blade-support, in operative contact with said clips for moving the same when the blade-support is swung, substantially as described.

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

AUGUST WM. SCHEUBER.

Witnesses:

CLIFFORD E. DUNN,

ADOLPH F. DINSY.