C. R. LAWRENCE.

SAFETY RAZOR.

APPLICATION FILED AUG. 25, 1908.

932,619. Patented Aug. 31, 1909.

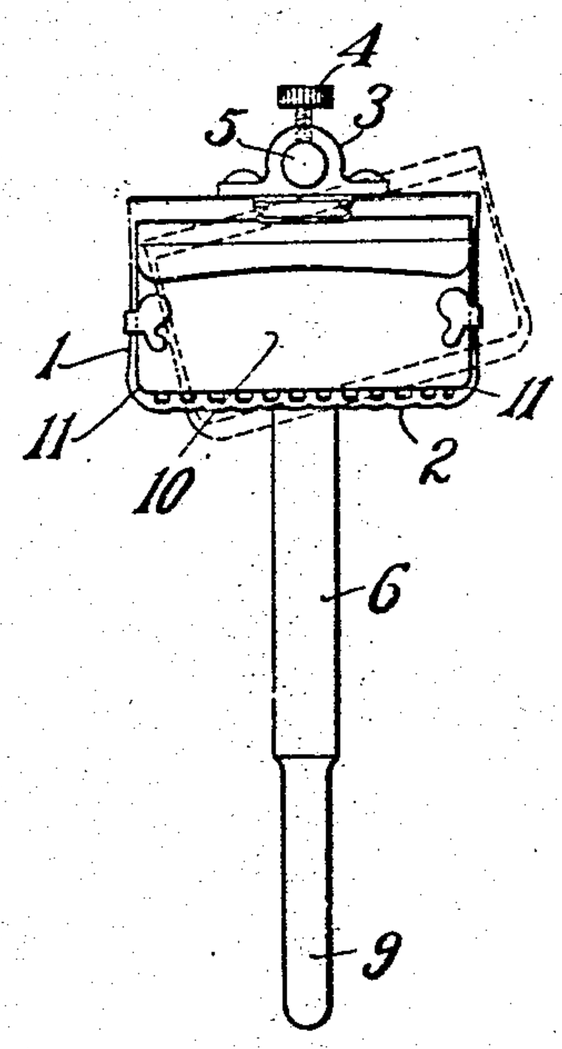

FIG. 1

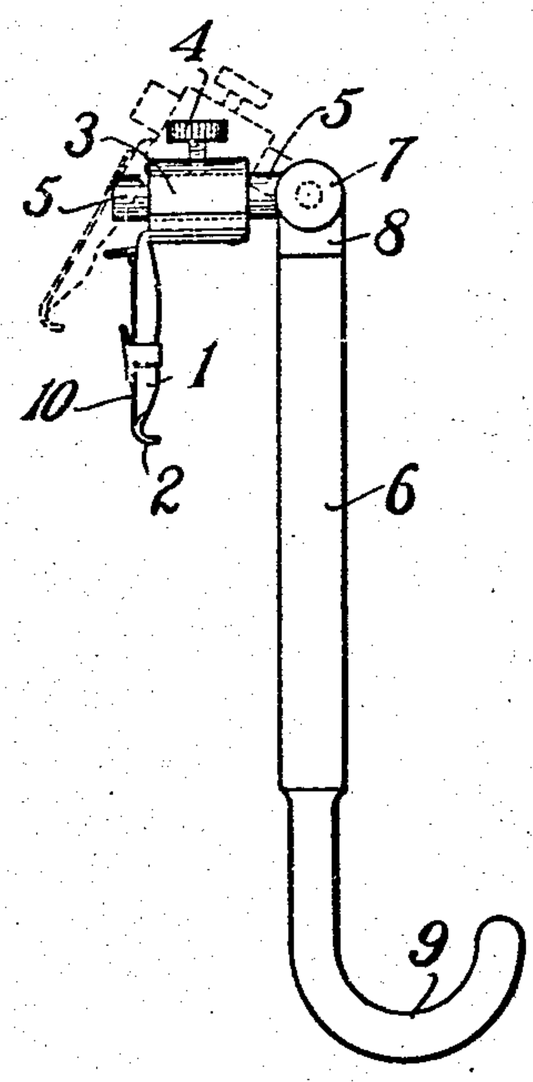

FIG. 2.

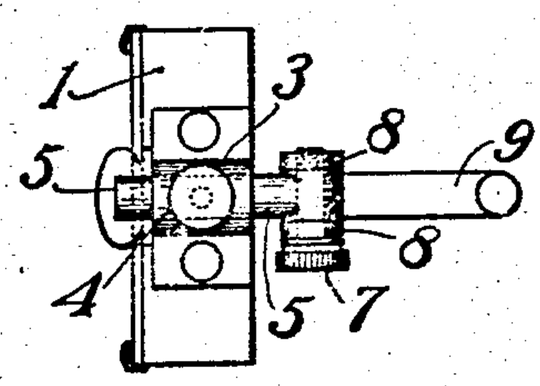

FIG. 3.

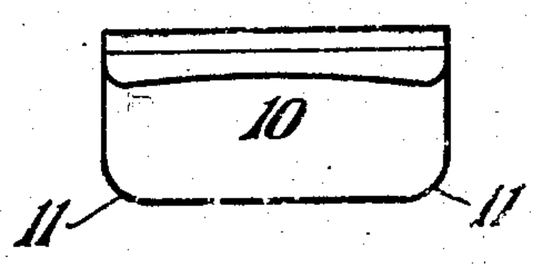

FIG. 4.

WITNESSES:

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SAFETY-RAZOR.

932,619. Specification of Letters Patent. Patented Aug. 31, 1909.

Application filed August 25, 1908. Serial No. 450,228.

To all whom it may concern:

Be it known that I, CHESTER R. LAWRENCE, a citizen of the United States, residing at Roxbury, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Safety-Razors, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to improvements in safety-razors, in which the blade holder and the handle are so constructed that the blade may be moved laterally and may also be adjusted to any desired angle with the handle.

The principal object of the invention is to provide a safety-razor of improved construction, adapted to produce improved results in practical use by providing a blade holder which may be quickly removed for cleaning and easily adjusted to any desired lateral position with respect to the handle so that the blade will have a slantwise or oblique cutting motion, and also the angle of the blade holder may be varied as desired, but is preferably placed parallel with the handle, thus permitting the edge of the blade to engage the hair at a right angle therewith.

Another object is to provide a blade with the corners of the cutting edge rounded, as a means of protection in shaving especially when the blade holder is placed in an oblique or slantwise position.

A further object is to provide a handle with a hooked end for use in aiding the fingers in guiding the blade holder and for hanging up the razor when it is not in use.

I am aware that various types of safety-razors have been invented employing various means for holding the blade, also various forms of handles, and I do not claim any particular form of blade holder, but I do claim the novel means of adjusting blades in oblique positions in relation to the handle, also the improved handle, finger-controller and thumb-steadier and the related parts specifically shown and described herein, which are applicable to nearly all safety-razors.

The invention consists in the combination of elements and in certain parts of novel construction entailed in the combination of said elements to obtain the desired result.

A full understanding of my invention can best be given by a detailed description of a preferred construction embodying the various features of my invention, and such a description will now be given in connection with the accompanying drawings and I attain my object by the mechanism there illustrated, showing such preferred construction, and the features forming the invention will then be specifically pointed out in the claims.

In the accompanying drawings Figure 1 is a front elevation of my improved safety-razor, showing a blade in position, and in outline the position of the blade holder placed in an oblique position to the handle. Fig. 2 is a side elevation showing the blade holder placed in a position parallel with the handle and in outline a variation in the angle of the blade holder. Fig. 3 is a plan view of the safety-razor. Fig. 4 is a plan view of the razor blade.

Latitude is allowed herein as to details, as they may be changed or varied at will without departing from the spirit of my invention and the same yet remain intact and be protected.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

In the drawings the blade holder 1 which may be of any desired form is provided with any suitable guard 2 and any suitable means for holding the blade. Attached in any desirable manner to the blade holder is a collar 3 which has a clamping-screw 4. The collar is laterally movable and revolubly mounted on a stud 5, used in shaving to enable the fingers to guide the blade holder 1; and the collar may be fastened in any desired position on the stud 5 by the clamping-screw 4, thus allowing lateral movement to the blade holder, so that it may be placed at any slantwise or oblique position with respect to the handle, as illustrated in outline in Fig. 1, and may also be placed at any desired lateral position with respect to the handle, (see Fig. 2).

The handle 6 is provided with parallel upward extending ears 8, between which is revolubly mounted on the stem of the clamping-screw 7 the end of the stud 5 opposite to the blade holder. This method of attaching the stud 5 to the handle 6 permits the blade holder to be placed at any desired angle or position, as illustrated in outline in Fig. 2, and fastened by the clamping-screw 7. The lower end of the handle 6 is

formed in a hook or crook 9 which serves to aid the fingers in guiding the movement of the blade while shaving, and may also be used for hanging up the razor when it is not in use or when lathering the face in shaving. The handle 6 may be made in any suitable form, but is shown in the drawings as a round handle, which may be made either of tubing or solid metal, and the lower end 9 may be a separate piece attached to the handle.

It is obvious that the blade holder may be instantly removed from the handle by slipping the collar 3 off of the stud 5 as may be desirable when putting the safety-razor in a box or carton. I do not limit myself to the particular method herein shown of attaching the handle to the blade holder to secure oblique positions of the blade with relation to the handle as the handle may be pivoted centrally or otherwise to the back of the holder.

In operation the blade 10 is placed in the blade holder 1 as illustrated in Fig. 1, and the stud 5 may then be adjusted and fastened by the clamping-screw 8, so as to give the blade holder and blade the angle desired. The blade holder may then be moved either toward or from the handle on the stud 5 to the position desired and turned to the desired slantwise or oblique position and then secured by the thumb or clamping-screw 4.

The position preferred of the several parts is shown in Fig. 2 with the plane of the blade parallel with the handle, in which position the blade lies flat against the face and the edge of the blade cuts the hair at right angles, thereby cutting the hair more easily and quickly than can be done with safety-razors in which the blade is placed at an acute angle with the face. In holding the razor the crook 9 and the stud 5 serve to aid the fingers in guiding the movement of the handle and in preventing the hand from slipping on the handle when in use.

It is to be understood that my invention is not limited to the specific details of construction shown in the accompanying drawings, but that said details may be varied in the practical carrying out of my invention. It is also to be understood that the combinations specifically set forth in the several claims are intended to be separately claimed without limitation to the use in connection therewith of other features and details of construction illustrated.

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

1. In a safety-razor, a blade-holder, a J-shaped handle, a stud connecting the blade-holder and handle, the said J-shaped handle being pivoted at its upper end to said stud, and a clamping-screw adapted to clamp said stud in the handle.

2. In a safety-razor, a blade-holder, a J-shaped handle, a stud connecting the blade-holder and handle, the said J-shaped handle being pivoted at its upper end to the said stud, a clamping-screw adapted to clamp said stud in the handle, and a collar provided with a clamping-screw, attached to said blade-holder and mounted on said stud.

3. In a safety-razor a blade holder, a handle, means between the handle and holder for adjusting the distance of the handle from the holder.

4. In a safety-razor a blade holder, means for adjusting and fastening the blade holder laterally and means for varying the angle of the blade holder.

5. In a safety-razor a blade holder, a handle, means for adjusting and securing the blade holder laterally and in relation to the handle and means for varying the angle of the blade holder.

6. In a safety-razor, a stud, a handle attached to said stud, and a blade-holder provided with a collar revolubly mounted on the stud and adapted to be moved lengthwise of the stud as desired.

7. In a safety-razor, a stud, a handle pivoted on the stud, a clamping-screw in said handle adapted to engage and clamp said stud in the handle, a blade and a blade-holder provided with a collar mounted on the stud, having a clamping screw, the collar being adapted to be moved lengthwise of the stud and revolubly and removably mounted on said stud.

In testimony whereof I affix my signature in presence of two witnesses.

CHESTER R. LAWRENCE.

Witnesses:
CHARLES F. A. SMITH,
FRANKLIN S. FRISBIE.