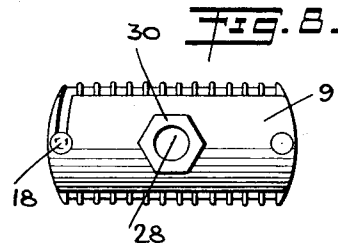
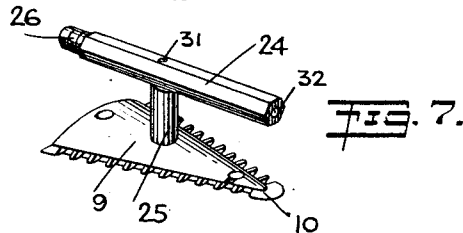
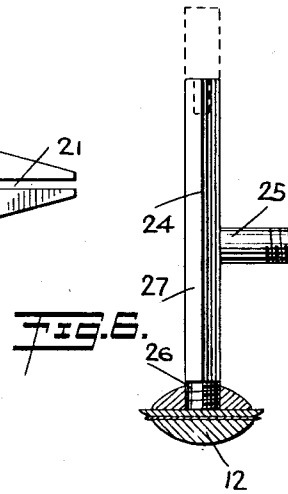
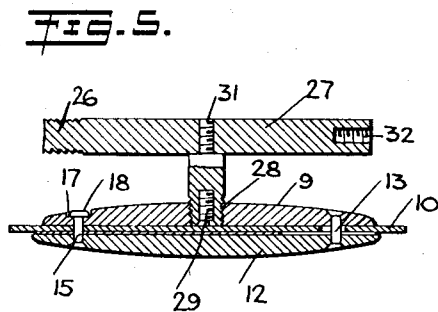
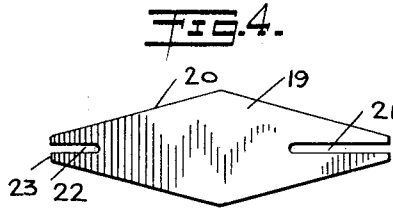
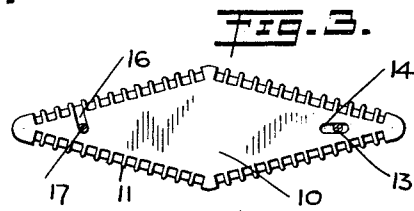
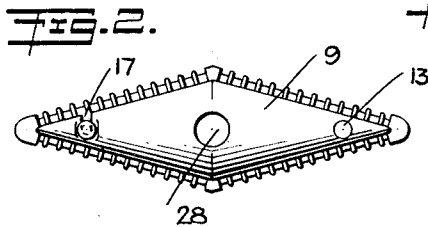
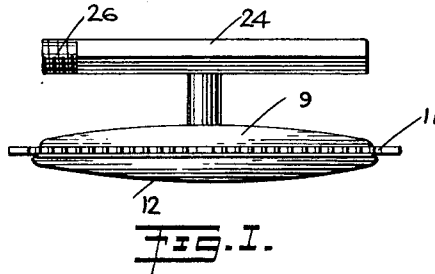


L. KALINA.
SAFETY RAZOR.
APPLICATION FILED MAY 11, 1912.

1,052,346.

Patented Feb. 4, 1913.



WITNESSES
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LOESER KALINA, OF NEW YORK, N. Y.

SAFETY-RAZOR.

1,052,346.

Specification of Letters Patent.

Patented Feb. 4, 1913.

Application filed May 11, 1912. Serial No. 696,652.

To all whom it may concern:

Be it known that I, LOESER KALINA, a citizen of the United States, and a resident of the city of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Safety-Razor, of which the following is a full, clear, and exact description.

My invention relates to a safety razor adapted to be constructed of a size to permit the use of the same as a cuff button, and while the device will be described more particularly with relation to its function as a safety razor, it is to be understood that one of a pair of these combined safety razors and cuff buttons may be made of a size and material adapted to be carried in the cuff, the other member of the pair being made to simulate the cuff button constructed as a razor.

A further object of my invention is to construct the safety razor of the minimum number of parts, all of the parts, except the blade, being held together, so as to prevent the loss of the several parts.

A further object of my invention is to provide a handle which may be removed, if desired, from the position in which its greatest diameter extends lengthwise of the blade holder to a position at right angles to the same, the handle in either position adapted to clamp the parts together, and having means to maintain the handle in locking position, and, at the same time, in its longitudinal position relative to the length of the body portion, as is common with cuff buttons.

A further object of my invention is to provide a safety razor having a pointed blade, whereby the same may be used to shave up and down without changing the position of the safety razor in the hand or the position of the arm, and to allow shaving portions of the face which are difficult of access with the usual form of razor.

I attain the above-outlined objects by pivoting together one end of a guard plate, a holder and a blade seat, and threading through an opening in the holder, one end of a T-shaped handle which bears on the guard plate to force the blade on to its seat, the shank of the T having an adjustable set screw in the end thereof.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of refer-

ence indicate corresponding parts in all the figures, and in which—

Figure 1 is a side elevation of a preferred embodiment of my invention; Fig. 2 is a plan view looking down upon the same with the handle removed; Fig. 3 is a similar view but with the holder removed and showing the guard plate in plan; Fig. 4 is a detached plan view of the blade; Fig. 5 is a vertical longitudinal sectional view taken through the device shown in Fig. 1; Fig. 6 is a central transverse sectional view taken through the device but showing the handle in its second position; Fig. 7 is a perspective view of a modified form of my invention, particularly adapted for use as a combined cuff button and safety razor, and showing a construction substantially one-half of the device shown in the preceding figures; and Fig. 8 is a second modification differing from the preceding figures merely in being rectangular in plan rather than the diamond-shaped structure disclosed in the preceding figures.

Described more in detail, I have shown a holder 9 relatively thick at its central portion and thinning out toward all edges, this holder and the coacting parts shown in Figs. 1 to 6, being diamond-shaped in plan. Adapted to be disposed below and extending slightly beyond the edges of the holder 9, is a guard plate 10, having the usual form of teeth 11 projecting beyond the adjacent edge of the holder 9. Disposed below the guard plate 10 is a blade seat 12, similar in construction and form to the holder 9. These three members are pivoted at one end thereof by means of a pivot pin 13, said pin passing through a slot 14 in the guard plate, so that this guard plate may have not only a movement of rotation about the pin 13 but may also have a longitudinal movement relative to the greatest diameter of the guard plate 11. The guard plate, holder and blade seat are held in position by a headed pin 15, rigidly fastened in the blade seat at the longitudinal end thereof opposite the pivot 13, the guard 10 having a recess 16 extending inward from one edge thereof and the holder 9 having a recess 17 similarly positioned therein, said guard plate 10 and holder 9 being adapted to be positioned below the head 18 of the pin 15.

Adapted to rest upon the blade seat 12 and positioned between the blade seat and the guard plate 10, is a razor blade 19, similar in construction to the guard plate but

of a size so that the edges 20 thereof are slightly inset from the outer line of the teeth 11, said blade having a pair of keyways 21 and 22 extending longitudinally inward from diametrically opposite points, the longer keyway 21 adapted to straddle the pin 13 until the point 23 of the blade has passed the pin 15. Then by drawing the blade slightly upward, the slot 22 is made to straddle the pin 15. The blade is held in this position on the pins 13 and 15 and between the guard 11 and the blade seat 12, by the engagement of the end of the handle 24, which handle is of a T shape having the outer end of the short stem 25 threaded, as well as one of the ends 26 of the long stem or head 27.

The holder 9 has a threaded bore 28 extending centrally therethrough, which bore is adapted to have inserted therein, one of the threaded ends of the handle 24, which end bears upon the guard 10 in order to force the same into engagement with the blade, and in turn to force the same into position on the holder 12.

In order that the long stem 27 of the handle 24 shall extend in the line of greatest dimension of the razor, especially when the same is used as a cuff button, an adjusting screw 29 is threaded into one or both of the exteriorly threaded ends of the handle, so that this screw 29 may be adjusted in order to rotate the handle into position. A binding engagement will be made with the blade, and, at the same time, the long stem 27 of the handle will extend longitudinally of the razor.

In the disclosure in Figs. 1 to 6, inclusive, four cutting edges are presented, but where a smaller construction is desired, as, for instance, when the device is used as cuff buttons, but two cutting edges are used, as shown in Fig. 7, by forming the blade and its coacting parts in the form of a small isosceles triangle with the blade positioned centrally in one piece thereof. This same arrangement of parts may be utilized in a razor of the rectangular shape common to safety razors now in general use, and, as shown in Fig. 8, the holder 9 may have a stud 30 projecting therefrom adapted to receive one of the threaded ends of the holder 24.

The short stem 25 of the handle 24 is detachably connected with the long stem 27 by the use of a reduced threaded portion 31 on the short stem 25 screwing into the long stem 27, and the end of the latter opposite

the threaded end 26 is provided with a screw hole 32 (see Fig. 5), to permit of screwing the threaded portion 31 into the screw hole 32 to lengthen the handle 24, as indicated in dotted lines in Fig. 6.

It is understood that in using the safety razor with the parts in position shown in Figs. 1, 5 and 7, the user can readily shave up and down without changing the position of the safety razor in the hand or the position of the arm, as the opposite cutting edges of the blade can be brought successively in use on the up-and-down stroke.

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

1. A safety razor provided with a holder and a T-shaped handle having a relatively long head and a short stem, one end of the said head or the outer end of the said stem removably engaging the said holder.

2. A safety razor provided with a holder having a threaded bore and a T-shaped handle having a relatively long head and a short stem, one end of the said head and the short stem being threaded, either of the said threaded ends being adapted to engage the said bore.

3. A safety razor, comprising a blade holder and blade, the holder having a threaded bore at its middle, a T-shaped handle having a relatively long head and a short stem, the outer end of the short stem being threaded and screwing in the said bore, and a set screw carried in the outer end of the short stem to press said blade into engagement with the said holder at the time the said head is in position parallel to the greatest dimension of the blade and holder.

4. A safety razor, comprising a holder, a guard plate, a blade and a blade seat, superimposed one on the other, the holder being provided with a threaded bore at its middle, and a handle having a relatively long head and a short stem, one end of the said head and the outer end of the said stem being threaded for screwing into the said threaded bore, and the said stem being removably connected with the said head either at the middle of the head or at one end thereof.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

LOESER KALINA.

Witnesses:

THEO. G. HOSTER,
PHILIP D. ROLLHAUS.