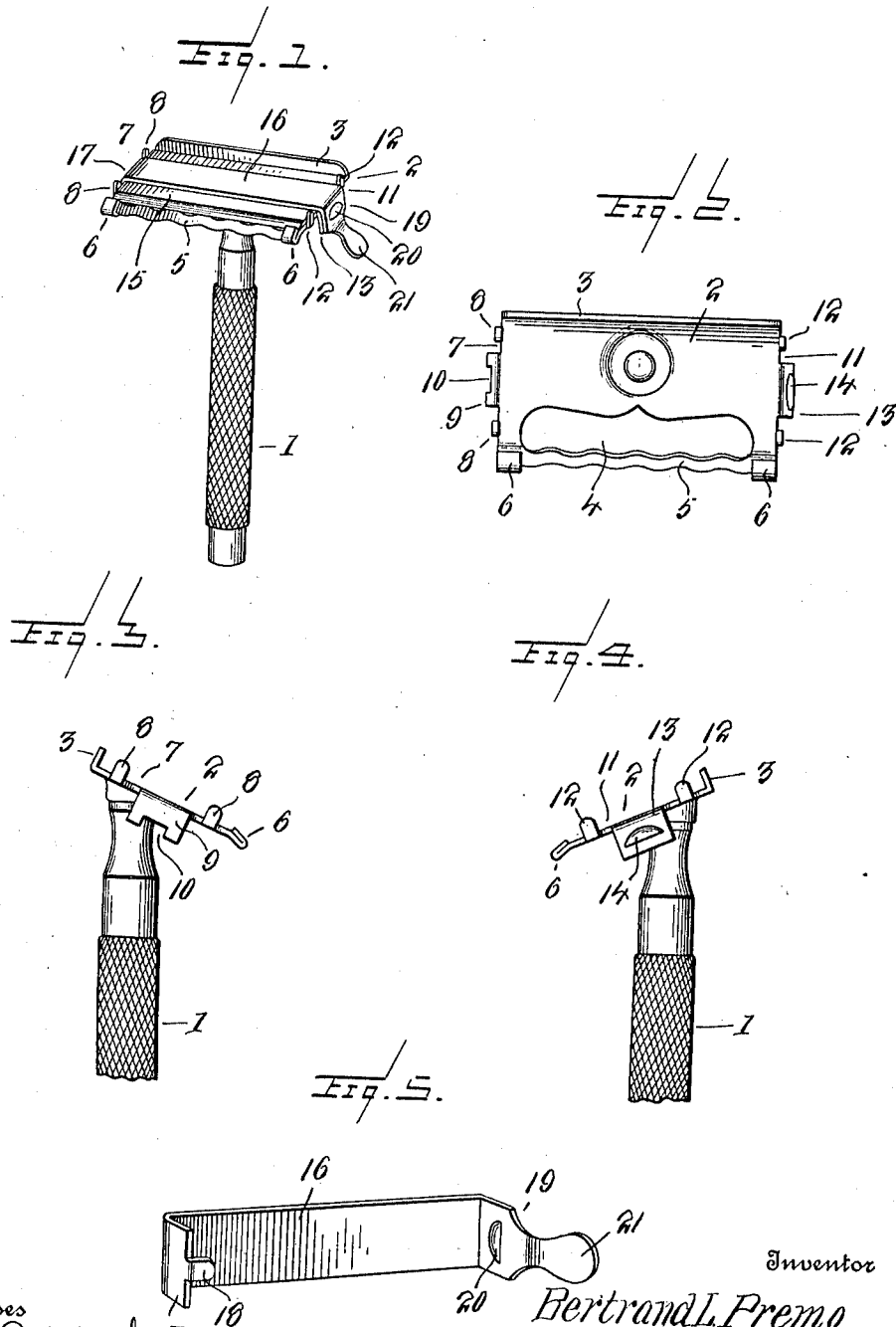


B. L. PREMO.
SAFETY RAZOR.
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1,061,324.

Patented May 13, 1913.



Witnesses
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SAFETY-RAZOR.

1,061,324.

Specification of Letters Patent.

Patented May 13, 1913.

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To all whom it may concern:

Be it known that I, BERTRAND L. PREMO, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented new and useful Improvements in Safety-Razors, of which the following is a specification.

This invention relates to certain novel and useful improvements in safety razors.

10 In carrying out my invention, it is my purpose to provide a safety razor which will embody the desired features of simplicity, durability and efficiency and which is composed of relatively few parts, and such parts
15 are so assembled and arranged that the blade may be quickly and readily attached to and detached from the frame, as desired.

It is also my purpose to provide a strong, positive and simple means for clamping the
20 blade to the frame when it is desired to employ a razor for shaving.

Furthermore, it is my object to provide a safety razor which may be manufactured and marketed at a relatively low cost.

25 With the above-recited objects and others of a similar nature in view, the invention consists in the construction, combination and arrangement of parts, set forth in and falling within the scope of the appended claim.

30 In the accompanying drawing:—Figure 1 is a perspective view of a safety razor embodying my invention. Fig. 2 is a view in elevation of the frame or holder and handle therefor. Fig. 3 is a view in side elevation of the frame. Fig. 4 is a view in elevation of
35 the opposite side. Fig. 5 is a perspective view of the clamping bar.

Referring now to the accompanying drawings in detail, the numeral 1 designates the
40 handle of my safety razor, upon which is mounted the blade holder which is indicated as an entirety by the numeral 2, said holder being constructed of sheet metal of any suitable size and dimension, and is bent at its
45 top edge to form the upwardly extending flange 3. The lower body portion of the holder is cut away to form the elongated opening 4, while the guard bar 5 of the holder, which also forms the lower edge of the latter is preferably made sinuous in form
50 to give a smooth comfortable working surface. At each extremity or end of the guard bar, I provide an upwardly turned lug 6 adapted to retain the lower end of the blade
55 when the latter is positioned in the holder. The side edge 7 of the holder is provided

with small upturned retaining spurs 8—8 suitably spaced apart, and between these spurs but projecting downward in the opposite direction is a lug 9 which is notched
60 as at 10 for the purpose hereinafter described. The opposite side 11 of the holder is provided with the upturned spurs 12—12, similar to and arranged in alinement with the spurs 8—8 and between the spurs 12—12
65 is located the downwardly turned lip 13 which is stamped with a locking projection 14. It will be noted that the body portion of the holder is formed of a single piece of metal, the lugs, lips and spurs being all
70 stamped out and bent to the form described. The blade of the razor is indicated by the numeral 15 and is adapted to be placed in the holder so that it is secured against vertical movement by the flange at the top of
75 the holder and the upturned lugs at the ends of the sinuous guard bar and is maintained against lateral movement by the pairs of spurs at the sides of the body of the holder so that the blade is at all times firmly
80 and stationarily held in the holder.

In order to clamp the blades in the holder, I provide a clamping bar which is shown in detail in Fig. 5 and comprises a single
85 strip of metal 16 one end 17 of which is turned downward and carries an inwardly extending lip 18 which is adapted to fit into the notch 10 in the lug 9, while the opposite end of said clamping bar is turned downward as at 19, said downwardly turned
90 portion being stamped to provide a recess 20 on the inner face thereof, which recess is adapted to receive the projection 14 on the lip 13. The downwardly turned end 19 of the clamping bar terminates in the out-
95 wardly turned finger plate 21, by means of which the bar may be manipulated to apply the same to and remove it from the holder.

From the above description, taken in connection with the accompanying drawing, the construction and manner of employing
100 my invention will be apparent. When it is desired to insert the blades, the latter is placed with its cutting edge in the holder, so that the extreme ends of the edge are
105 held by retaining lugs at the ends of the guard bar, the spurs at the sides of the holder maintaining the blade against lateral movement while the inwardly turned flange at the top of the holder holds said blade
110 against upward movement. The clamping bar is then applied as heretofore described

and the razor is then ready for use. When it is desired to remove the blade as for the purpose of cleaning the razor or when applying a new blade it is only necessary to
 5 give a slight pull outward on the finger plate when the clamping bar will be disconnected and the blade may be then removed from the holder.

It will be noted that I have provided an
 10 exceedingly simple, cheap and effective form of safety razor, which comprises but relatively few parts. The holder with its blade retaining parts and the members for holding the clamping bar may all be stamped of
 15 one piece of metal while the clamping bar is likewise formed of a single strip. The holder is inclined at the proper angle relative to the handle, and said handle may be secured to the holder in any desired manner.

20 I claim:—

In a safety razor, a handle, a holder carried thereby and formed of a single piece of metal bent to provide a top flange and a bottom guard bar, a pair of upwardly
 25 turned retaining spurs at each side of the holder, a downwardly turned lug located

at the side of the holder between the spurs of one pair and having a notch in the lower edge thereof, a downwardly turned lip arranged at the opposite side of the holder
 30 between the other pair of spurs and provided with an outwardly extending locking projection, a blade, and a clamping bar for clamping the blade in the holder, said bar comprising a strip of metal bent down-
 35 wardly and inwardly at one end and adapted to have the inwardly extending portion thereof engaged in the notch in the lug at the adjacent side of the holder, the opposite end of said clamping bar being bent down-
 40 wardly and thence extended to form a finger piece, the downwardly bent end of the clamping bar having a recess adapted to receive the outwardly extending locking projection on the lip at the adjacent side of
 45 the holder.

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

BERTRAND L. PREMO.

Witnesses:

C. V. PREMO,

WILLIAM APPE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."