

Aug. 13, 1935.

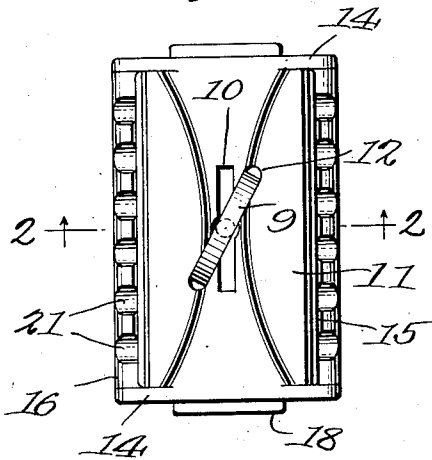
J. H. LIND

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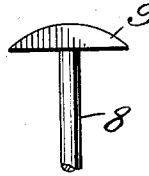
SAFETY RAZOR

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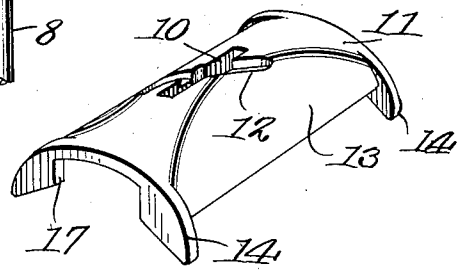
*Fig. 1.*



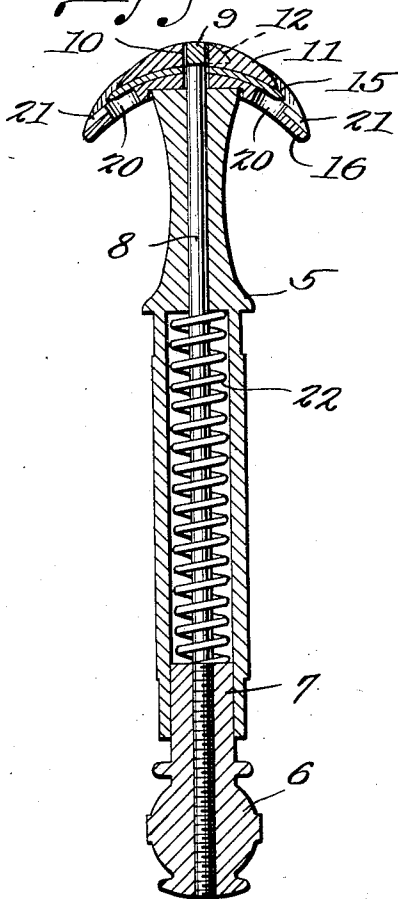
*Fig. 3.*



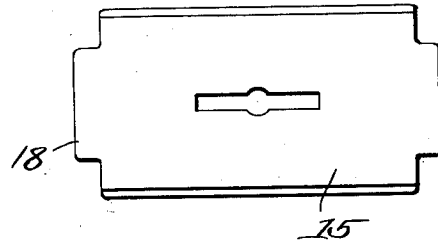
*Fig. 4.*



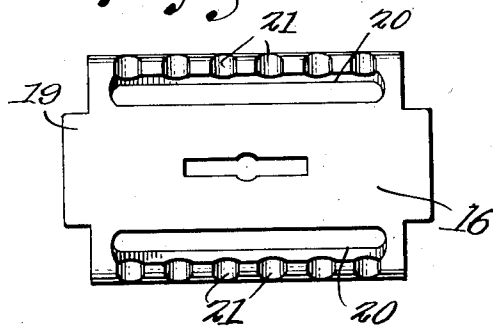
*Fig. 2.*



*Fig. 5.*



*Fig. 6.*



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# UNITED STATES PATENT OFFICE

2,011,151

SAFETY RAZOR

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Application September 1, 1932, Serial No. 631,419

1 Claim. (Cl. 30—12)

This invention relates to safety razor construction, and aims to provide a razor wherein the guard and cap are constructed in such a manner that the cutting edges of the blade will be disposed at the proper angle to insure the true cutting of the blade.

An important object of the invention is the provision of a razor which may be readily and easily assembled and disassembled, to facilitate the cleaning of the razor.

With the foregoing and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

Referring to the drawing:

Figure 1 is a top plan view of a razor constructed in accordance with the invention.

Figure 2 is a sectional view taken on line 2—2 of Figure 1.

Figure 3 is an elevational view of the stem of the securing head of the razor.

Figure 4 is a perspective view of the cover plate forming a part of the razor.

Figure 5 is a view of the blade used with the razor.

Figure 6 is a plan view of the guard plate of the razor.

Referring to the drawing in detail, the handle of the razor embodies a main section 5 and a movable section 6, the movable section 6 being formed with an extension 7 fitted in the main section 5, the main section being hollow, as clearly shown by Figure 2 of the drawing.

Secured to the movable section 6, and extended through the main section 5, is a stem 8 that carries the head 9 at the outer end thereof, the head 9 being designed to fit within the cut out portion 10 of the cover plate 11, of the razor.

An elongated recess 12 is also formed in the outer surface of the cover plate, the recess being disposed at an oblique angle with respect to the cut out portion 10, so that on positioning the cover over the guard plate to be hereinafter more fully described, the head 9 may be rotated slightly to move the head into the recess 12, locking the cover 11, guard plate and razor carried thereby, to the main section 5 of the handle.

As clearly shown by Figure 4 of the drawing, the front and rear edges of the cover plate are

slightly depressed, as at 13, defining flanges 14 at the ends of the cover plate, merging into the surfaces of the depressed portion 13.

The blade which is indicated by the reference character 15 will be supported in such a way that when the edge of the razor is positioned against the face and moved thereover, the blade is supported at the proper angle to cut the beard, and not scrape the face, as is usual with the razors now in common use, particularly when they are used by persons unskilled in the art of using a safety razor.

The guard plate which is indicated by the reference character 16, is of a width to extend appreciable distances beyond the edges of the blade 15, and since the flanges 14 act as a support for the ends of the razor, all danger of digging the face is eliminated, as these flanges regulate the operation of the blade.

The ends of the cover plate are cut away at 17, to receive the end portions 18 of the blade proper thereby insuring against the blade twisting when in use.

The guard plate 16 is also provided with extensions 19 to engage the end portions 18 and force them upwardly. This guard plate is of a novel construction, and as shown is provided with elongated openings 20 extended longitudinally of the guard plate, at points near the edges thereof.

Formed in the edges of the guard plate, are cut out portions 21 that provide clearances for the lather removed by the razor, to insure against the razor becoming clogged. The hollow handle provides a housing for the coiled spring 22, which has one end thereof bearing against the movable section 6 of the handle, while the opposite end thereof engages the handle near one end of the tubular portion.

Thus it will be seen that due to this construction, the movable section 6 may be pressed inwardly, causing the head 9 to move from the recess 12, whereupon the head is given a slight turn to cause it to register with the cut out portion 10, with the result that the cover plate and guard plate may be readily removed from the handle.

When it is desired to replace the head of the razor, the movable section 6 is forced inwardly compressing the spring 22 in allowing the cover plate and guard plate to be positioned over the head 9.

The head is now turned slightly to bring the head into registry with the recess 12, locking the cover plate and guard plate in position on the handle.

Having thus described the invention what is claimed is:

I claim:

5 In a safety razor, a handle, a guard plate secured to the handle, said guard plate providing a support for a razor blade, a cover plate fitted over the guard plate and cooperating with the guard plate in gripping a razor blade, flanges formed at the end of the cover plate, said flanges

being of widths whereby they extend beyond the outer and inner surfaces of the cover plate, said flanges guarding the ends of a razor blade mounted on the guard plate, and the outer edges of the flanges being curved and adapted to contact with the face of the user of the razor, preventing the razor from cutting into the surface over which it is moved.

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