

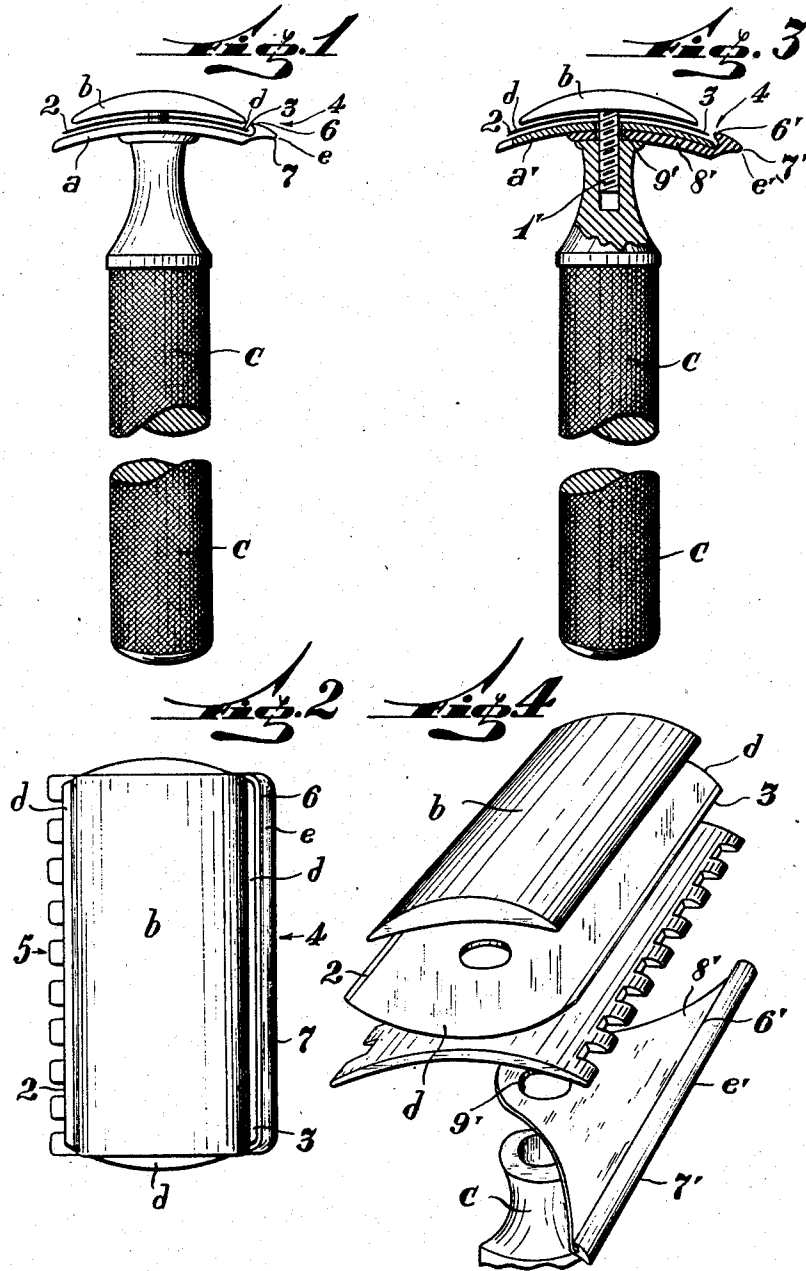
Nov. 21, 1944.

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2,363,040

SAFETY RAZOR

Filed Oct. 1, 1942



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2,363,040

SAFETY RAZOR

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Application October 1, 1942, Serial No. 460,431
In Argentina August 29, 1942

2 Claims. (Cl. 30—34)

This invention relates to improvements in safety razors, and particularly to safety razors of the type using blades having two cutting edges.

The advantages of the blades having two cutting edges are well known, since they are equivalent to two razors. However, due to the manner in which the present safety razors are made, both cutting edges are available at all times, which leads to indiscriminate use of both sharp edges during a shaving operation, and therefore the full benefit of said advantages is not obtained.

Also, inasmuch as such safety razors have two active fronts, the structure thereof does not offer a complete shaving service and their sole function is to remove the beard or hair, without being of any service in the preparatory steps thereof. Thus, after applying the lather, the user must remove same partially from certain portions of the face, particularly those where a cutting line should be defined, as in the case of the side whiskers, mustache, etc. In the case of ordinary razors, the shaver generally uses for this purpose the back of the razor, in order to remove or scrape away the lather, but inasmuch as double front safety razors have no means suitable for this operation, it is necessary to use the hand or other independent means, and this complicates the shaving operation considerably.

The above-mentioned drawbacks are overcome in a very simple manner by the present invention.

For this purpose, the present invention provides a complementary structure consisting in an extension serving both to shield one cutting edge of the blade, and to offer a back suitable to act as a "lather remover" in completing the preparation of the shave.

One of the objects of this invention is to use said back or "lather remover" as an auxiliary element in order to uncover side whiskers, mustache or other portions of the surface to be shaved after the lather has been applied. Thus, the safety razor will be provided with means which will facilitate the shaving operation, enabling the user to start said operation with well defined cutting lines.

A further object of the invention is to disable one of the fronts of the safety razor, so that in presenting only one cutting front, the razor will be used in an orderly manner, so as to leave one of the cutting edges of the blade as a spare for use after the first cutting edge has been completely used.

A still further object of the invention is to render possible said controlled use of the blade

by means of indications provided on the blade for the purpose of distinguishing one cutting edge from the other, so as to use them in correlative order. Thus, the maximum use is made of each blade.

Other objects and advantages will become apparent from the course of the following description, when read in conjunction with the accompanying drawing illustrating the invention by way of example and in a preferred embodiment, and wherein:

Fig. 1 is a side view of a safety razor of the type using blades having two cutting edges, showing the general structure thereof, and the shield which is integral with the razor guard.

Fig. 2 is a plan view of the safety razor head, showing the manner in which the rib shields one of the cutting edges of the blade.

Fig. 3 is a view of another embodiment of the invention, wherein the shield is constituted by a removable piece.

Fig. 4 is a perspective view of a safety razor of the type shown in Fig. 3, with the pieces taken apart and showing the removable shield provided with means for securing same to the safety razor head.

The same reference characters indicate like or corresponding parts or elements throughout the different figures.

As may be seen from the drawing, the safety razor head is constituted by a guard *a* and press plate *b*, the latter having fixed thereto a screw *1* or other suitable means for coupling the assembly to a handle *c*, in order to secure said guard *a* which is progressively adjusted by said press plate *b* upon screwing same to said handle. A double cutting edge blade *d* is located between said guard *a* and press plate *b*, as shown in Figs. 2 and 3.

Said guard *a* is suitably curved, thereby bending the blade *d* in order to obtain the desired inclination of the sharp edges *2* and *3*. The underside of press plate *b* is correspondingly curved so as to suitably set the blade against the guard.

As in the case of the ordinary safety razors, said guard *a* is suitably toothed.

According to the improvements subject of the present invention, the safety razor is combined with complementary means whereby one of the cutting edges of the blade, indicated by the reference numeral *4*, remains disabled or shielded. Thus, only the front *5* of the razor remains in service. For this purpose, the razor head is provided with a shield *e* forming part of said guard *a* or otherwise included in the assembly; so as to ef-

fectively shield the respective cutting edge of blade *d*. Said shield *e* is superposed upon said guard in the corresponding front, presenting an extension 6 extending beyond the normal level of the sharp edge of the blade, whereby said cutting edge will remain surrounded or partially covered by said extension 6 of shield *e*, as clearly shown in Figs. 1 and 3.

Said shield *e* is also provided with a blunt edge 7, serving as a scraper, and herein termed "lather remover," in view of the purposes for which it is intended.

In the embodiment of Figs. 1 and 2, the shield *e* is constituted by a special structure given to the front 4 of guard *a*. This structure consists in replacing the toothed edge by an extension of a given cross-section providing a projection 6 serving to shield the cutting edge 3 of blade *d*, and also a projecting blunt edge 7 serving as a "lather remover."

In the embodiment of Figs. 3 and 4, the shield *e'* also comprises a projection 6' and blunt edge 7' coinciding with the guard *a'*, but in this instance the shield *e'* is not integral with said guard, but is integral with a base 8' having a shape suitable for adapting same against the lower portion of guard *a'*. Said base 8' is provided with at least one perforation 9' through which the screw or stem 1' passes, so that while being removable, said base 8' may be readily assembled with the remaining parts of the safety razor, as clearly shown in Fig. 3.

Thus, the shield *e'*, which may be fixed to one of the pieces forming the head of the razor or removable, occupies the front edge of the front 4, so as to effectively shield the cutting edge 3 and also present a blunt edge 7' serving as a lather remover.

With this addition the safety razor can be used to carry out in a more complete manner the shaving operation, and after the lather has been applied it will not be necessary to use other auxiliary means in order to uncover the side whiskers, mustache or other portions of the face. This may be readily done through the use of the blunt edge 7', after which the front 5 may be used for the shaving operation proper.

Inasmuch as with the present invention the safety razor only comprises one active cutting

front, indicated by the reference numeral 5, the shaver can only make use of the sharp edge 2 of blade *d*, leaving sharp edge 3 for further use. Thus, if the sharp edges 2 and 3 are suitably marked so as to distinguish one from the other, it will be possible to use them correlatively, thereby increasing the useful life of the blades.

It is evident that in carrying the invention into practice, several modifications in construction and details will occur to those skilled in the art, without departing from the scope of the invention as clearly set forth in the appended claims.

What is claimed is:

1. A safety razor construction of the type using blades having two cutting edges, comprising a handle and a head removably mounted thereon, said head comprising a guard and a press plate between which the blade is secured when the head is on said handle, and a shield member secured between said head and handle and including a portion extending to one of the fronts of said head, said shield member terminating at said front in a rib having a projection extending toward and over said front into shielding relationship with respect to the adjacent cutting edge of said blade, said rib being also provided with an oppositely directed projection terminating in an edge essentially parallel to said cutting edge and constituting a lather remover.

2. A safety razor construction of the type using blades having two cutting edges, comprising a handle and a head removably mounted thereon, said head comprising a guard and a press plate between which the blade is secured when the head is on said handle, and a shield member secured between said head and handle and including a portion extending to one of the fronts of said head, said shield member terminating at said front in a rib having a projection extending toward and over said front into shielding relationship with respect to the adjacent cutting edge of said blade, said rib being also provided with an oppositely directed projection terminating in an edge essentially parallel to said cutting edge and constituting a lather remover, said rib and projections being substantially coextensive with the cutting edge of said blade.

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