June 17, 1941. L. KUHNL 2,246,368

RAZOR

Filed Jan. 31, 1940

Fig. 1.

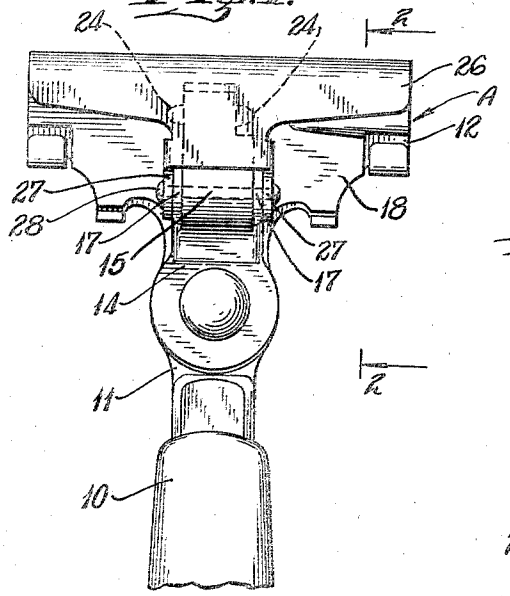
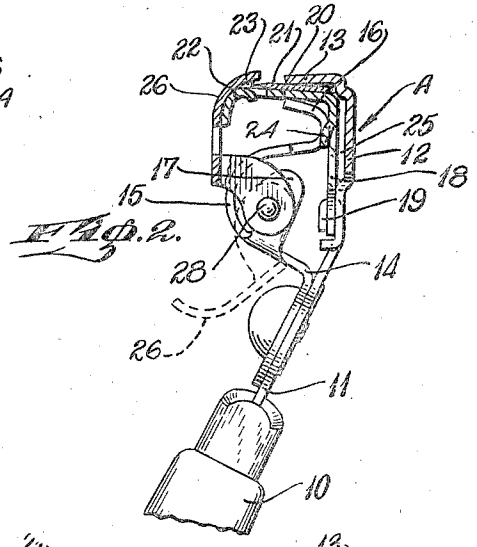


Fig. 2.



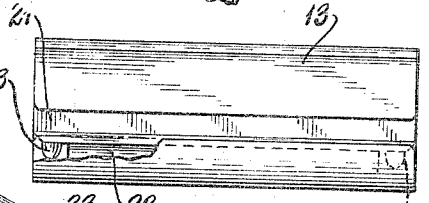


Fig. 4.

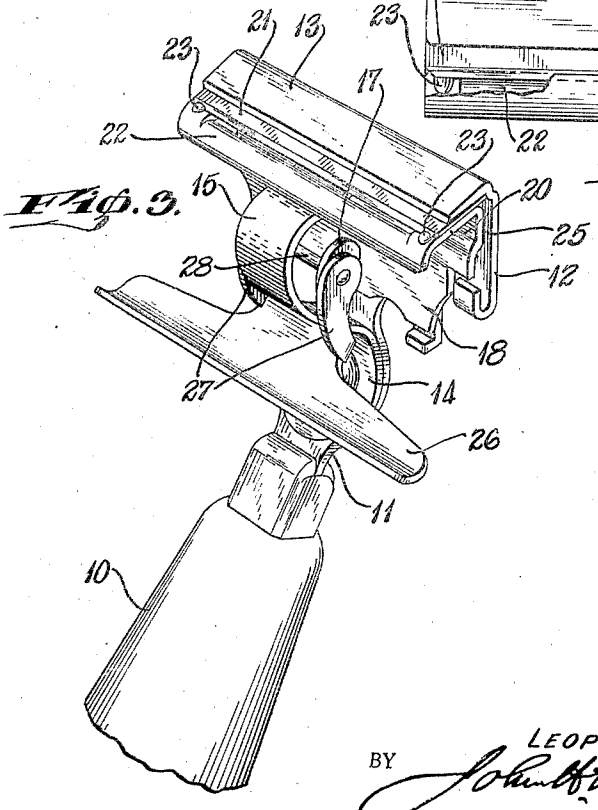


Fig. 3.

INVENTOR.
LEOPOLD KUHNL
BY John H. Williams
ATTORNEY.

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RAZOR

Leopold Kuhnl, Bridgeport, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y., a corporation of New Jersey

Application January 31, 1940, Serial No. 316,507

3 Claims. (Cl. 30—32)

The invention relates to razors of the so-called "safety" type a typical example of which will be later described in connection with the accompanying drawing.

The principal object is to provide such a razor with a shield that can be adjusted to a position to protect the edges of the blade while the razor is not in use but which can be readily moved out of the way when it is desired that the razor be used for shaving. Such a device has special advantages for those users like soldiers and travelers of various kinds who wish to reduce their impedimenta to a minimum weight and volume, and the use of my device dispenses with the need of cases, boxes, and other receptacles commonly used for the protection of such instruments.

Referring to the drawing,

Fig. 1 is a view of the razor in elevation;

Fig. 2 is a view on the line 2—2 of Fig. 1;

Fig. 3 is a perspective view illustrating the shield and the way in which it is assembled with the razor;

Fig. 4 is a top view of the razor head with a part broken away to illustrate details.

Describing the drawing with greater particularity, a construction of razor for which the device is adaptable comprises the usual handle 10 in which is mounted the shank 11 of a plate designated as a whole by the letter A and comprising the back plate 12 bent around to form the top plate 13. On the plate 12 is pivotally mounted the clamping spring 14 which is bent on a reverse curve, one of the curves being indicated by 15 and the other by 16. The function of the spring will be presently stated. It is provided with two ears 17, 17 which serve as a mounting means for the shield. The remaining member of the razor proper comprises the plate 18 loosely and hingedly connected to the back plate by means of the hook 19 struck out from the back plate and engaging an aperture in the plate 18. The plate 18 is continued at approximately a right angle bend to constitute the plate 20 which is the blade supporting platform. The blade 21 is shown positioned between the plate 13 and the plate 20 and it is clamped firmly between these two plates by the pressure of the clamping spring 14. The plate 20 terminates in a guard 22 provided with stops 23, 23 against which the edge of the blade bears in order to definitely align and position it with respect to the guard. The abutments 24, 24 are struck out from the plate 18 one on either side of the clamping spring in order to maintain it in position since otherwise it might by accident be swung on its pivotal mounting and release the blade.

An aperture 25 between the back plate and the plate 18 is provided for the insertion of the finger of a blade magazine, but since this feature has nothing to do with the invention it will not be further referred to.

The shield comprises (for a razor of the type now being described) a plate 26 curved on its transverse section to cover the guard 22 and the edge of the blade. This plate is provided with two ears 27, 27 which are hingedly connected with the ears 17, 17 of the spring clamp, the hinge function being supplied by the hinge pin 28 passing through registering apertures in the two sets of ears, as shown in Figs. 2 and 3. Preferably the spacing of the ears extending from the shield 26 and the spacing of the ears extending from the spring clamp are such that there is a lateral pressure between the former and the latter, the object of which is to create friction in the hinge connection so that the shield 26 will remain securely in its position as in Fig. 2, where it is shown functioning to protect the blade and also in its drop-down position as shown in Fig. 3 where it does not interfere with the use of the razor in shaving.

The result is that the razor user can, when the razor is not in use, swing the shield on its hinged connection up over the guard and the blade edge as shown in Fig. 2, and, when he desires to use the razor, the shield may be swung to the position shown in Fig. 3, where it does not interfere with the shaving operation. This dispenses with the necessity of using boxes, cases or other containers for the razor when it is not in actual use, since the edge of the blade is thoroughly protected against injury from contact with other articles.

While I have described a certain particular construction in which my invention is incorporated, I do not desire to be limited to this particular embodiment since many changes and modifications may easily be made without departing from the spirit and scope of the invention as set forth in the following claims.

I claim:

1. A razor of the type comprising a guard and blade-holding means adapted to position and hold a blade with its edge in shaving relation to the guard, in combination with a shield hingedly mounted on the razor, the hinge axis being positioned below the head of the razor and on a center so located that the arc in which the shield swings carries it into abutment with the

guard, such shield when in such position of abutment extending over the entire length of and overlapping the edge of a blade located in shaving position in the blade holding means.

2. A razor of the type comprising a guard and blade-holding means adapted to position and hold a blade with its edge in shaving relation to the guard, in combination with a shield mounted on the razor by means of a hinged connection frictionally retarded, the hinge axis being positioned below the head of the razor and on a center so located that the shield swings in an arc to carry it into abutment with the guard, such shield when in such position of abutment extending over the entire length of and overlapping the edge of a blade located in shaving position in the blade holding means.

3. A razor of the type comprising a guard and blade-holding means adapted to position and hold a blade with its edge in shaving relation to the guard, in combination with a shield shaped to partially enclose the guard and the edge of a blade in shaving relation thereto, said shield being hingedly mounted on the razor and the hinge axis being positioned below the head of the razor and on a center so located that the arc in which the shield swings is such as to carry it into abutment with the guard and in overlying relation to the blade edge.

LEOPOLD KUHNL.