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Z. AUERBACH

RAZOR BLADE CARRIER

Filed Sept. 25, 1942

Fig. 1

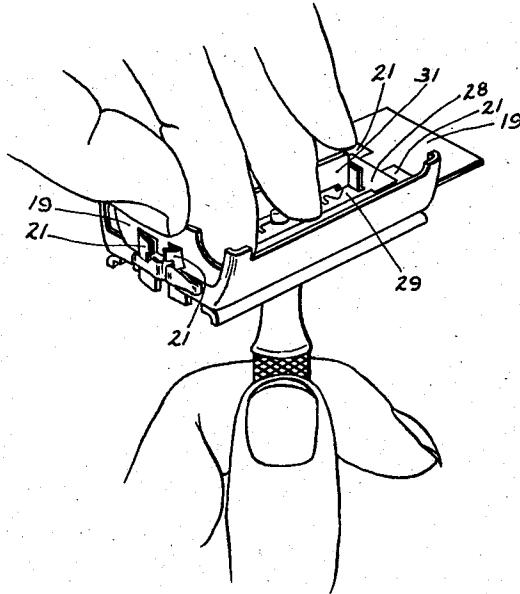


Fig. 2

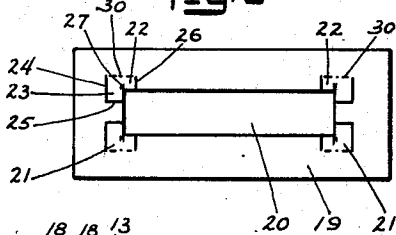


Fig. 3

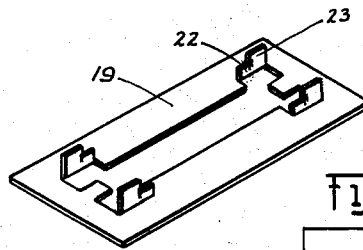


Fig. 6

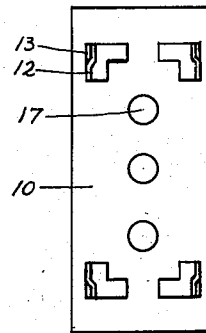


Fig. 4

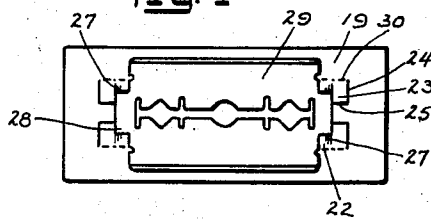
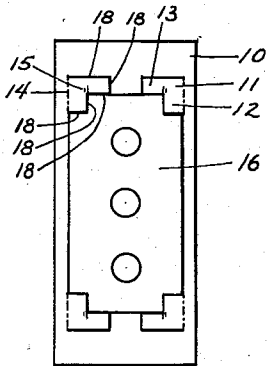


Fig. 5



INVENTOR.
ZEMACH AUERBACH
BY *Irving Seidman*
ATTORNEY.

UNITED STATES PATENT OFFICE

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RAZOR BLADE CARRIER

Zemach Auerbach, New York, N. Y., assignor to
Zeechar Corporation, a corporation of New
York

Application September 25, 1942, Serial No. 459,645

10 Claims. (Cl. 206—16)

This invention relates to double-edged safety razor blade carriers for safely carrying the blade and protecting the cutting edges of the blade.

More particularly, it is an object of my invention to provide a simple and inexpensive carrier for double-edged safety razor blades which permits easy and safe handling by the user since the cutting edges are protected at all times until the carrier is separated from the blade ready for use.

In my application, Serial No. 457,403, my blade carrier has an adhesive medium for holding the blade upon the carrier. My numerous experiments have shown that the use of an adhesive medium is not at all times entirely satisfactory, since the adhesive medium is affected by atmospheric conditions; the adhesive due to heat may become sufficiently soft to loosen the blade, or may harden to make it difficult to release the blade from the carrier; some adhesives may affect the steel of the blade. This invention does not employ the use of adhesives.

My experiments have further revealed that the blade carrier shown and described in my aforesaid application, the handling required a certain degree of skill and experience. Furthermore, the blade has a tendency to spring from the razor at the time when the carrier is peeled off the blade.

In my instant application no skill or experience is required in removing the carrier from the blade and there is absolutely no possibility of the blade springing from the razor.

A further object of my invention is to provide a carrier for blades which simply and easily locks the blade into the carrier, protecting the cutting edges of the blade so that the carrier can be safely and easily separated from the blade.

A further object of my invention is to provide a carrier for use with blades so that the carrier can be easily stacked in a simple package such as a book or pad.

A further object of my invention is to provide a carrier of simple construction so that simple and inexpensive machinery for assembly is required.

For a fuller understanding of the nature and objects of my invention, reference is had to the following detailed description in connection with the accompanying drawing, in which:

Fig. 1 is a perspective view showing the carrier being separated from the blade in a razor.

Fig. 2 is a top plan view of my blade carrier.

Fig. 3 is a perspective view of the blade carrier showing the hingeable members in unlocked position for receiving the blade.

Fig. 4 is a top plan view of the blade locked into the carrier.

Fig. 5 is a top plan view of a modified blade carrier.

Fig. 6 is a top plan view of the blade carrier shown in Fig. 5 with the hingeable members in open position.

Referring to the drawing, numeral 10 represents a safety razor blade carrier of one piece and of rectangular shape, made of flexible material, such as paper, plastic or like material and having hingeable members 11 adjacent to each of the four corners of the carrier. Each hingeable member 11 is comprised of a holding portion 12 and a locking portion 13. Hingeable member 11 is slitted around all its sides, except the hinge portion which is scored at 14. Holding portion 12 is raised at 15 to accommodate the thickness of the razor blade 16. The central portion of carrier 10 has openings 17 to accommodate the openings in the blade. The holding portions 12 of the hingeable members 11 are spaced apart to receive the corners of the blade 16.

In order to use carrier 10, the hingeable members 11 are turned upwards at right angles. The blade 16 is dropped between the holding portions 12 of the hingeable members 11 which are then pressed downward so that the holding portions 12 cover the corners of blade 16 and the locking portions 13 enter the slits 18 of the carrier and are then held there by frictional engagement.

Referring to Figs. 1 to 4, inclusive, numeral 19 represents another safety razor blade carrier which is a modification of the carrier shown in Figs. 5 and 6. This carrier has a central rectangular opening 20 and hingeable members 21 at each of the four corners of the rectangular opening 20. Each hingeable member 21 is comprised of a holding portion 22 and a locking portion 23. Hingeable member 21 is slitted at 24, 25 and 26 and scored at 30. Holding portion 22 is raised at 27 to accommodate the shoulder 28 of a slotted double edged blade 29. The holding portions 22 of hingeable members 21 are spaced apart to receive the shoulders 28 of blade 29.

In order to use carrier 19, the hingeable members 21 are turned upwards at right angles, as shown in Fig. 3. The blade 29 is dropped between the holding portions 22 of the hingeable members 21 which are then pressed downward so that the holding portions 22 cover the shoulders 28 of blade 29 and the locking portions 23 enter the slits 24 and 25 of the carrier and are then held there by frictional engagement.

In order to use the blade 29 and carrier 19,

the razor is opened and held in one hand while the carrier is grasped at one end with the thumb, index and middle finger of the other hand and placed with the blade on the underside of the carrier with the slotted portion of the blade over the post 31 of the razor. The post 31 falls between the index and middle finger and while the index and middle fingers press upon the carrier, the thumb raises the end of the carrier causing two of the hingeable members 21 to open, as shown in Fig. 1, releasing the shoulder 28 of the blade 29. The carrier is then moved toward the opposite end of the blade causing the opposite shoulder of the blade to slide from the holding portions 22 of the carrier. The razor is then closed with the blade in shaving position.

The carrier 10 and blade 16 shown in Figs. 5 and 6 is used in the same manner as described for the carrier 19 and blade 29 shown in Figs. 1 to 4, inclusive.

It is obvious that various changes and modifications may be made in the details of construction without departing from the general spirit of the invention, as set forth in the appended claims.

I claim:

1. A safety razor blade carrier made of a single piece of flexible material in combination with a razor blade, said carrier having slits and hingeable members, each of said hingeable members comprising a holding portion and a locking portion, said locking portions upon entering said slits holding said blade against said carrier by frictional engagement of the edges of said locking portions and said carrier positioning and locking said blade upon said carrier.

2. A rectangular safety razor blade carrier made of a single piece of flexible material in combination with a double edged razor blade, said carrier having slits, hingeable members fashioned from the same material as said carrier, each of said hingeable members comprising a holding portion and a locking portion, said locking portions upon entering said slits holding said blade against said carrier by frictional engagement of the edges of said locking portions and said carrier, said hingeable members being adapted to releasably retain said blade upon said carrier.

3. A safety razor blade carrier in combination with a razor blade, said carrier comprised of a flat piece of flexible material of rectangular shape and having slits, hingeable members adjacent to the corners of said carrier, each of said hingeable members comprising a holding portion and a locking portion, said locking portions upon entering said slits holding said blade against said carrier by frictional engagement of the edges of said locking portions and said carrier positioning and locking said blade upon said carrier.

4. A blade carrier made of a single piece of material in combination with a centrally slotted double edged razor blade having shoulders, said carrier having slits and being rectangular and of flexible material and longer and wider than said blade, a central rectangular opening in said carrier, hingeable members at each of the corners of said rectangular opening, each of said hingeable members comprising a holding portion and a locking portion, said locking portions upon entering said slits holding said blade against said carrier by frictional engagement of the edges of said locking portions and said carrier positioning and locking said blade upon said carrier.

5. A blade carrier made of a single piece of material in combination with a centrally slotted double edged razor blade having shoulders, said

carrier having slits and being rectangular and of flexible material and longer and wider than said blade, a central rectangular opening in said carrier, hingeable members at each of the corners of said rectangular opening, each of said hingeable members comprising a holding portion and a locking portion, said locking portions upon entering said slits holding said blade against said carrier by frictional engagement of the edges of said locking portions and said carrier, said holding portions adapted to engage said shoulders of said blade locking said blade upon said carrier.

6. A blade carrier made of a single piece of material in combination with a centrally slotted double edged razor blade having shoulders, said carrier having slits and being rectangular and of flexible material and longer and wider than said blade, a central rectangular opening in said carrier, hingeable members at each of the corners of said rectangular opening, each of said hingeable members comprising a holding portion, a locking portion and a recess to receive the shoulders of said blade, said locking portions upon entering said slits holding said blade against said carrier by frictional engagement of the edges of said locking portions and said carrier positioning said blade at said shoulder portions and locking said blade upon said carrier.

7. A blade carrier made of a single piece of material in combination with a centrally slotted double edged razor blade having shoulders, said carrier having slits and being rectangular and of flexible material and longer and wider than said blade, a central rectangular opening in said carrier, hingeable members at each of the corners of said rectangular opening, each of said hingeable members having a locking portion and a blade holding portion, said blade holding portion being recessed for positioning and holding the shoulders of said blade, the edges nearest the hinge of said locking portions engaging said blade and preventing said blade from shifting, said locking portions upon entering said slits retaining said holding and recessed portions to said carrier by frictional engagement of the edges of said locking portions and said carrier.

8. A blade carrier made of a single piece of material in combination with a centrally slotted double edged razor blade having shoulders, said carrier having slits and being rectangular and of flexible material and longer and wider than said blade, a central rectangular opening in said carrier, hingeable members at each of the corners of said rectangular opening, each of said hingeable members having a locking portion and a blade holding portion, said locking portions upon entering said slits holding said blade against said carrier, said blade holding portions being recessed for positioning and holding the shoulders of said blade, said locking portions releasably retaining said blade to said carrier whereby when said carrier is bent said hingeable members open and release said blade from said carrier.

9. A centrally slotted double edged razor blade having shoulders in combination with a blade carrier made of a single piece of material, said carrier having slits and being wider and longer than said blade for centrally positioning said blade upon said carrier and protecting the cutting edges of said blade, a central opening in said carrier, hingeable locking members adjacent to said opening in said carrier for locking said blade upon said carrier, each of said hingeable members comprising a holding portion and a locking portion, said locking portions upon enter-

ing said slits holding said blade against said carrier by frictional engagement of the edges of said locking portions and said carrier whereby when said blade in said carrier is placed in the razor and one end of said carrier is bent upward away from said blade said blade is freed from said carrier and is properly positioned in said razor.

10. A blade carrier made of a single piece of material in combination with a rectangular razor blade, said carrier having slits and being rectangular and of flexible material and longer and

5 wider than said blade, hingeable members adjacent each of the four corners of said carrier, each of said hingeable members having a blade holding portion and a locking portion, said blade holding portions being recessed to position and receive the four corners of said blade, said locking portions upon entering said slits releasably retaining said hingeable members by frictional engagement of said locking portions with said carrier.

ZEMACH AUERBACH.