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CONTAINER FOR SAFETY RAZOR BLADES

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By

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This invention relates to a handy container for safety razor blades designed to maintain system in the keeping separate of stropped and unstropped blades. The principal object is to provide a compact case for the purpose referred to having means therein for the separate stacking of used and unused blades, the case being provided with a dull finish on that section thereof wherein the used blades are placed and with a bright finish on that portion containing the unused blades so that the user is aided in systematically separating the blades, by reason of the direct analogy in the finishes on the two sections of the case to the condition of the blades in the sections.

Another important object is to provide a container wherein the blades are thoroughly protected against harmful abrasion or other possible injury and also against oxidation, the thought being to provide pieces of absorbent and protective material as separators between the blades in the two stacks, the pieces serving to entirely separate the blades from one another and to enclose the same completely from the weather. A further thought in the latter connection is to provide the separators in such an arrangement whereby when the case is opened the unused blade next to be used is immediately exposed to be picked up by the user and put into service, the separator serving to facilitate the handling of the blade as each blade is picked up on its separator.

Lastly, the invention provides a container wherein the blades are systematically kept separate as they are used one by one until the supply of unused blades is exhausted wherein the whole set may be restropped, the thought being to provide, say seven blades, one for each day of the week and thus confine the stropping to a weekly period.

The invention is illustrated in the accompanying drawing, wherein—

Fig. 1 is a perspective view of my novel container shown open for the removal of a fresh blade;

Fig. 2 is a perspective view of a container closed and illustrating the dull and bright finishes on the two sections thereof to represent the sections for the used and unused blades, respectively; and

Fig. 3 is a central longitudinal section through the container on an enlarged scale showing how the blades are firmly yet resiliently held in position in the separate stacks regardless of the comparative height of the stacks as one is built up and the other depleted.

The container of my invention comprises a case 5 having a closure 6 therefrom, hinged as indicated at 7 to be opened, as indicated in Fig. 1, to expose the two stacks of blades 8 and 9, the former representing the stack of used blades and the latter the unused blades. The blades are placed in the separate stacks on two pairs of studs 10 and 11, respectively. That section of the case wherein the used stack 8 is placed is given a dull finish, indicated at 12, while the other section has a bright finish, indicated at 13. In this way the user is aided in maintaining system in keeping the used and unused blades separated.

It will be noted that the case 5 is open on the two sides 14 and 15 so that the ends of the stacks 8 and 9 are exposed when the case is opened. This, of course, facilitates the removal and replacement of the blades. The closure 6 has projecting side walls 16 and 17 thereon to close the open sides of the case in its closed position, as indicated in Fig. 2. A lug 18 is arranged to have the bent end thereof received in a slot 19 in the end wall 20 of the case 5 to lock the case in its closed condition. The end wall 20 by mere thumb pressure may be flexed to an extent to permit the opening of the case in an obvious manner.

The blades, which are herein illustrated as being of the double edged Gillette type, are placed over the studs 11 with separators 21 of absorbent material such as blotting paper placed therebetween. The separators, as will be noted in Fig. 1, extend beyond the ends of the blades and also beyond the opposed keen edges thereof as to completely enclose the blades and avoid possible abrasion or other injury thereof. The separators, by enclosing the sharp edges of the blade and absorbing all moisture that may be left thereon after use, prevent oxidation to which the thin edges are otherwise highly subject. If desired they may be saturated with oil to keep the blades from rusting.

At the same time the separators facilitate the removal and replacement of the blades; particularly the removal thereof, as it will be seen that the separator 21 under the top blade of the unused stack 9 may be lifted to remove the top blade without the necessity for separate handling of the blade. For
convenience of the user, it is preferred to provide a sufficient number of separators so that a separator will be provided between each of the blades in the stacks 8 and 9 and that the top blade of the used stack 8 will be covered by a separator while the top blade of the unused stack 9 will be left uncovered. In this way the user immediately upon opening the case has the blade which is next in line for service exposed. Confusion is thereby avoided. The stacks of blades are kept intact by retainers 22 and 23 which have openings therein to permit passing the same over the studs 10 and 11. The retainer 23 has a protective facing 24 thereon, preferably of the same material as the separators 21, to overlie the otherwise exposed top blade of the stack of unused blades 9. The facing 24 is removed with the retainer 23 off the top of the stack when the case is opened. The two retainers are loosely mounted on the free ends of a bowed leaf spring 25, as indicated at 26. The leaf spring is also loosely mounted on the inside of the closure 6 on a stud 27. The loose mounting of the parts referred to permits the easy opening and closing of the case and also makes the retainer assembly self-accommodating to the stacks 8 and 9 regardless to what extent the one stack is built up and the other depleted. So long as the usual complement of blades is kept in the case the retainers 22 and 23 will hold the two stacks intact because of pressure exerted by the leaf spring 25 when the case is closed. Since the leaf spring is somewhat deflected by the closing of the case to exert such pressure on the stacks of blades it is obvious that the closure 6 will spring open when the lug 18 is released to open the case.

In view of the foregoing it will be clear that I have provided a very handy article for the purpose intended. The case provided is of such a compact size as to make a special appeal to the requirements of travelers. In the use of the case one is insured against possible confusion of used and unused blades and the matter of the stopping of blades is made more systematic. The blades are, furthermore, kept in a more satisfactory manner from possible abrasion or other injury to the keen edges thereof, it being particularly noted that the use of paper envelopes as containers for the blades destroyed their keenness. The conventional metallic containers are, of course, even more objectionable. In either case aside from the fact that the keen edges of the blades were not protected against being knocked about there was no real protection against oxidation of the blades. This matter is taken care of in the present case in a most efficient manner.

I claim:

1. A container for safety razor blades comprising a closed case having two sections therein for the separate storage of stropped and unstropped blades, the case being dull in finish on that section thereof wherein the used blades are placed and bright in finish on that section thereof wherein the unused blades are placed whereby to guide the user in maintaining system in the storage of used and unused blades in the container by reason of the direct analogy in the finishes to the condition of the blades.

2. A container for safety razor blades comprising a case having a closure affording access to the inside thereof, said case being divided in two sections for the separate storage of stropped and unstropped blades, the blades being arranged to be stacked in each of said sections and removed one by one from the one section and placed in the other section, and blade retaining means between each of the stacks of blades and said closure whereby to keep the blades in position, said means being connected together and with said closure to be placed on and removed from the stacks of blades in the closing and opening of said closure, the connection allowing for different displacement of one means from the closure than the other according to the difference in height of the two stacks of blades.

3. A container for safety razor blades comprising a case having a closure affording access to the inside thereof, said case being divided in two sections for the separate storage of stropped and unstropped blades, the blades being arranged to be stacked in each of said sections and removed one by one from the one section and placed in the other section, a blade retainer for each of said stacks of blades to hold the same in position, and resilient means under said closure for placing the two retainers under equalized pressure for holding the stacks of blades in position regardless of a difference in the number of blades in the stacks.

4. A container for safety razor blades comprising a case having a closure affording access to the inside thereof, said case being divided in two sections for the separate storage of stropped and unstropped blades, the blades being arranged to be stacked in each of said sections and removed one by one from the one section and placed in the other section, a blade retainer for each of said stacks of blades to hold the same in position, and a bowed leaf spring extending between the two stacks of blades and joining said retainers arranged by engagement with said closure on the ridge of the bowed portion thereof yieldingly to hold said blades in position regardless of the comparative height of the stacks of blades.

5. A container for safety razor blades comprising a case having a hinged closure therefor, providing access to the inside there-
of, studs in two sections in said case to receive used and unused blades in separate stacks in the two sections of said case, a pair of blade retainers each provided with openings whereby to pass over said studs to overlie the blades in each stack to hold the same in position, and a bowed leaf spring loosely mounted on said closure having said blade retainers loosely mounted on the opposite ends thereof whereby to remove or replace the blade retainers on said stacks of blades in the opening and closing of said hinged closure.

6. A container for safety razor blades comprising a case having a closure to afford access to the inside thereof, said case being divided into two sections for the separate storage of used and unused blades, said blades being stacked with separating protective elements therebetween, the stack of used blades having one of said protective elements covering the top blade thereof while the stack of unused blades has the top blade thereof left uncovered for a purpose herein described, a blade retainer for each of said stacks, the blade retainer for the stack of unused blades having a protective covering thereon to cover the top blade of the stack of unused blades, and means acting between said blade retainers and said closure to hold said blades in position.

7. A container for safety razor blades comprising a case open on the top and on two sides thereof, studs provided in two sections of said case to mount blades thereon in separate stacks, the unused and used blades being thereby kept separate, the ends of each of said stacks being exposed at the open sides of said case whereby to facilitate the removal and replacement of blades therein, separators between the blades serving also to facilitate the removal of the blades from said case, a separator and a blade on top thereof being removed on each occasion, the top blade of the stack of used blades having a separator covering the same while the top blade of the stack of unused blades is left uncovered for the purpose herein described, and a closure for said case covering the top and the open sides thereof serving also to retain said blades in their separate stacks, there being a separate retainer plate to cover each of said stacks to hold the blades in position, the retainer for the stack of unused blades having a protective facing thereon to cover the otherwise exposed top blade of the stack of unused blades, and means acting between said closure and said retainers yieldingly to urge the same toward the blades to hold the same in position.

In witness of the foregoing I affix my signature.

JOHN H. GRAYSON.