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CASE FOR BLADE HEADS OF SAFETY RAZORS

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CASE FOR BLADE HEADS OF SAFETY RAZORS

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This invention relates to cases or boxes adapted to contain the blade heads of safety razors, with handles protruding beyond the case.

Cases for safety razors are usually made of such size and proportions as to include the handles either attached, or detached, as well as including the head of the razor. However, the part that needs protective covering against dust, grit, and moisture is the blade itself, particularly the edge, and when the blade is left in the head of the razor, we need only to cover the blade head itself, or that portion of the safety razor which holds the blade, as the handle needs no protection.

It is therefore the main object of my invention, to so reduce the size of the razor case as to merely cover the razor head while providing a case or box adapted to closely and removably envelope the blade head of the safety razor, having the handle remain attached to this blade head, and protrude outside the closed box.

A further object is to provide a case for a safety razor that will take up about one-quarter or one-fifth the actual space now required for the ordinary razor case.

Another object is to provide a razor case of the class described, having pockets for separate blades either in the case itself for the cover.

A further object is to provide a razor case of the class described, having the closing joint of the case located where the razor handle protrudes beyond the blade head and leaves the case, so that when the case is opened, the razor as a whole is exposed and can be easily removed.

Another object of my invention is to provide in a case of the class described, a form of construction, which while fulfilling objects above named, is adapted to be made in any odd shape to closely envelope an odd shaped blade head with handle protruding.

With these and other objects, as will hereinafter appear, my invention resides in certain construction, various embodiments of which are illustrated in the drawing and are hereinafter described. The use of the cases is explained and what I claim is set forth.

In the drawing:

Figure 1 is a perspective view of an open empty case embodying my invention.

Figure 2 is a perspective view of the said case closed around the blade head of a Gillette safety razor, having the handle protrude outside the case.

Figure 3 is another perspective view of the same case with razor head enclosed.

Figure 4 is a side elevation of the case and enclosed razor shown in Figures 2 and 3.

Figure 5 is a section taken on the line 5—5 of Figure 4.

Figure 6 is a similar section showing the case open and empty.

Figure 7 is a section taken on the line 7—7 of Figure 4.

Figure 8 is a perspective view of the sheet spring fingers for holding the cover open or closed.

Figure 9 is a perspective view of the lug piece, which operates with the spring fingers.

Figure 10 is an end elevation of a modified form of box and razor head enclosed.

Figure 11 is a plan of the case illustrated in Figure 10, shown empty and illustrating the closure joint.

Figure 12 is an end elevation of a case covering the head of a Gem type of safety razor.

Figure 13 is a side elevation of the case and razor shown in Figure 12.

Figure 14 is an end elevation of a case covering the blade head of an Auto Strop safety razor.

In the figures, referring particularly to Figures 1 to 9 inclusive, the case body 20 is composed of the end walls 21, having the three cross walls 23, 24 and 25 integral therewith, although the top inclined wall 24, may be hinged with the side wall 23, at the joint 25. The bottom wall 22 terminates in a hinge 26, connected with the cover or lid 27. The hinge 26 is spaced from the lower corners 28, of the end walls 21, and is connected with the portion 29, fitting against the edges 30, of the end walls 21. The cover portion 31, at right angles to the portion 29, fits against the upright edges 32, of the end walls 21, and the cover portion 33 fits over the top edges 34, with the edge 35, of the cover 27, adapted to close against the edge 36, of the top wall 24. Notches 37 and 38 in the respective edges 35 and 36, register with one another when the case is closed, so as to form a hole through which the handle 39, attached to the razor head 40, protrudes.

Within the body 20 of the case, is fixed a partition 41, spaced parallel with the bottom wall 22, to form a blade pocket 42. The purpose of setting the hinge 26 back of the corners 28, is to provide a clearance space for taking hold of blades in the pocket 42. The curved notch 43, in the edge 44, of the partition 41, serves the same purpose of finger clearance. Spacing lugs 45, fixed on top of the partition 41, serve to assist in securely holding the razor head 40, in fixed position within the closed box 20.

As means for holding the cover 27 fully open 110.
or tightly shut, I provide the sheet spring finger piece 46, having the back portion 47, and the central tongue portion 48, riveted to the bottom wall 52, leaving the fingers 49 and 50 free to lay flat against the wall 52 and to extend beyond the hinge 26, to near the wall 31, of the cover 27, when closed. Fixed in the corner of the angle between the cover portions 29 and 31, is the lug piece 51, having lugs 52 and 53 projecting at an angle (as shown in the Figures 5, 6 and 9) and engaging the respective fingers 49 and 50.

The case 54, shown in Figures 10 and 11, is adapted to contain the hinged razor blade head 55, hinged at 56, to the shank 57, of the handle 58. The end walls 59 are integrally connected with the walls 60, 61 and 62. The wall 62 terminates in an edge 63, notched at 64 to fit against the shank 57. The width of the wall 60 is less than the length of the edge 65, of the end wall 59, and this wall 60 is connected by hinge 66 to the cover 67, which is composed of three walls 68, 69 and 70. With the case 54 is a narrow partition 71, parallel with the wall 61, and adapted to closely confine the head 55 between it and the wall 61. Another partition 72, parallel with the wall 60, forms therewith a blade pocket 73.

Within the cover 67 is a blade pocket 79, formed by the inner cover wall 75, and the walls 76 and 77, integral with the cover walls. The free edge 78 of the cover wall 70 is notched at 79, to fit against the shank 57, when the edges 63 and 78 come together.

Referring to the case 80 shown in Figures 12 and 13, enveloping the bed razor handle 81, the case 80 is composed of end walls 82 and body walls 83, 84 and 85 integral therewith. A partition 86, shown parallel with the wall 85 forms a blade pocket 87 on one side, and a razor head pocket 88, on the other side. A hinge 89 connects the cover 90 with the wall 85. 91 is a bracket of the razor connecting the head 81 with the handle 82. This bracket 91 passes through a slot 92 where the cover 90 closes against the wall 83.

Considering the case 93, shown in Figure 14, covering the head 95, of the Auto Silor razor, parallel end walls 96 are connected by the body walls 97, 98 and 99. The cover 100 is hinged at 101 to the wall 98, and shank 102, of the razor handle 103, passes through registering notches at the closure 104, similar to the notches 37 and 38 of the case shown in Figure 1, or notches 64 and 79 of the case shown in Figure 11. Within the case 94 is a partition 105, parallel with the wall 99, and spaced therefrom to form a blade pocket 106.

Reference numerals 74, 90 and 100a of Figures 10, 12 and 14 respectively, show the lids of the casings in their open positions.

Having described in detail various forms of cases, each adapted to fit over the blade head of any particular type of razor, I will now describe the operation of the spring fingers and the operating lugs which serve to hold the cover shut tight or wide open. The spring fingers 49 and 50 lay flat against the hinge wall of the case, to which they are attached and engage the respective lugs 52 and 53 of the piece 51, fixed to the cover. With the constant outward pressure of the fingers 49 and 50, against the ends of the lugs 52 and 53, respectively, this pressure, when exerted in a line to the center of the lugs 52, for either an open or shut position eccentric to the hinge 26, tends, as in Figure 5, to turn the cover 27, shut; and tends as in Figure 6, to turn the cover 27 open. This form of spring device is adapted to operate in the corners of the case, without interfering with the regular case cavity, which in each case is designed to closely fit the blade head of the razor.

The form of notched closure shown for each case permits of having a tightly fitting case to exclude dust, grit and moisture, while at the same time having the handle protrude outside the case, through the registering and closing fitting notches, made at the proper position to register with the protruding handle or its bracket, when the blade head is snugly fitted within the case itself or positioned in an auxiliary way by such positioning lugs as 45, of Figure 1, or by a partition wall, as 71 of Figure 10.

Although various shaped cases, adapted to fit snugly over a few types of razors are shown and described, cases having other shapes and modified detail of construction, can be made without departing from the spirit and scope of my invention, I therefore wish to include all forms which come within the purview of the appended claims.

I claim, 1. A case for enveloping the blade head of an assembled safety razor, permitting the member or handle projecting from said blade head, to extend outside said case, comprising a case for said blade head, a lid hinged to said body, and a handle gripping notch formed by the separable closing edges of said lid and said body, and adapted in position to firmly grip the protruding member or handle, which passes from said enveloped blade head, and extends through said aperture and beyond said case and means for holding the lid in handle gripping position whereby the enclosed razor may be transported by means of said handle.

2. The device of claim 1 in which said means for holding the lid in handle gripping position is spring operated whereby the lid may be held widely open for removing the razor.

3. A case for enveloping the blade head of an assembled safety razor permitting the member or handle projecting from said blade head to extend outside said case, comprising a case for said blade head, a lid hinged to said body, a notch formed by the separable closing edges of said lid and said body, the notches of said closing being together and forming an aperture in the line of said closing, adapted in position to fit around the protruding member, which passes from said enveloped blade head, and extends through said aperture and beyond said case, and positioning means for holding said blade head releasably positioned within said case body.

4. A protective casing for a razor blade holder of the type having a handle extending from the head at substantially right angles to the edge of the blade, consisting of a body having a movable section, and yielding means to hold the movable section in position to grip the holder, with the handle exposed and the head entirely within the casing whereby the holder and casing may be carried by means of the protruding handle.

5. A protective casing for shielding the head and the thereby carried razor blade of a razor blade holder from dust, grit, moisture, etc., which consists of a notched casing having a hinged side forming also a portion of the top of the casing, said side having a notch thereon and said casing having a notch on the stationary portion of the casing to grip the handle of the razor, and means to hold the body closed with the head of the razor within the casing said spring being strong enough to hold the casing to the head when the handle is used to carry the razor and casing.
6. A safety-razor head casing comprising two compartments and a hinged lid, one compartment for enclosing the razor head and the other compartment enclosing extra blades and a spring, the said lid being notched or slotted on the unhinged side so that when closed the notched portion cooperates with a like notch in a side of the casing to form a grip around the protruding handle of the razor, the said spring serving to enforce the lid grip to allow the encased head and blades to be carried by the protruding handle as a unit.

7. A protective casing for shielding the head and the thereby carried razor blade of a razor blade holder from dust, grit, moisture, etc. which consists of a notched casing having a hinged side, forming also a portion of the top of the casing, said side having a notch therein cooperating with a notch on the stationary portion of the casing to grip the handle of the razor, and spring means to hold the body closed with the head of the razor within the casing, said casing having two compartments, one compartment being shaped to snugly fit the head and the other compartment being shaped to carry extra blades and the said spring means, the lid being rounded to fit around the back of the razor head so as to hold the head tightly in its compartment.

8. The unitary combination of a safety razor and a casing therefor comprising a casing of a size to cover only the head of the razor allowing the handle to protrude therefrom for carrying the unit, a thumb-notched partition in said casing approximately parallel to the plane of the razor head and dividing the casing into two compartments, a hinged lid for said casing exposing, when open, both compartments, a spring in one compartment and the razor head in the other, said spring contacting the hinged lid to hold it in an open position or in a tightly closed position, said lid and one side of the casing being notched to form a grip around the razor handle, said spring operated lid also cooperating with the partition to clamp the head in position whereby said razor and extra blades may be carried in the respective compartments by said handle.

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