Claims

1. A beverage can ~~(1)~~ having a base ~~(10)~~ defining a re-entrant bead ~~(17)~~ in which a resilient disc ~~(50)~~ is held captive, wherein
   ~~characterised in that~~
   the diametric dimension of the disc ~~(50)~~ is larger than the internal diameter of the re-entrant bead ~~(17)~~ and when the resilient disc ~~(50)~~ is fitted into the re-entrant bead ~~(17)~~, the disc ~~(50)~~ adopts a concave, domed shape, wherein the resilient disc defines at least three contact points spaced around the periphery thereof, the three contact points comprise two energising prongs arranged on either side of the disc and a pivot diametrically opposite the energising prongs, wherein the energising prongs energise the disc as it is prised out of the re-entrant bead and the pivot causes the disc to spin orthogonal to the plane of the disc, as it is released from the re-entrant bead.
2. A beverage can according to claim 1, wherein the contact points have radiuses at each corner to provide smooth release as the disc is flipped out of the re-entrant bead.
3. A beverage can ~~(1)~~ according to claim 1, wherein the base ~~(10)~~ comprises a concave dome ~~(12)~~ and a stand annulus ~~(15)~~ and the base is reformed to provide the re-entrant bead ~~(17)~~ at the junction between the concave dome ~~(12)~~ and the stand annulus ~~(15)~~, wherein a cavity is defined between the surfaces of the concave dome and the disc and the disc is shaped to provide one or more cut-outs, which allow any liquid to drain from the cavity.

~~3. A beverage can (1) according to claim 2, wherein a cavity (19) is defined between the surfaces of the concave dome (12) and the disc (50) and the disc (50) is shaped to provide one or more cut-outs (55), which allow any liquid to drain from the cavity (19).~~

~~4. A beverage can (1) according to any one of the preceding claims, wherein the resilient disc (50) defines at least three contact points (51, 51) spaced around the periphery thereof, and when the resilient disc (50) is fitted into the re-entrant bead (17) the disc (50) makes contact with the re-entrant bead (17) at the contact points (51,52).~~

~~5. A beverage can according to claim 4, wherein the three contact points (51, 52)~~

~~comprise two energising prongs (51) arranged on either side of the disc (50) and a pivot (52) diametrically opposite the energising prongs (51), wherein the energising prongs (51) energise the disc (50) as it is prised out of the re-entrant bead (17) and the pivot (52) causes the disc to spin orthogonal to the plane of the disc, as it is released from the re-entrant bead (17).~~

~~6. A beverage can according to any one of the preceding claims, wherein the disc (50) includes a tab or slot (70) to allow a user to remove the disc from the re-entrant bead (17).~~

~~7~~4. A method of filing a beverage can ~~(1)~~ according to any one of the preceding claims, wherein the resilient disc ~~(50)~~ is fitted into the re-entrant bead ~~(17)~~ prior to filling the beverage can ~~(1)~~ with a product and processing as required.