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**[54] RECLOSABLE END STRUCTURE FOR
CONTAINER BODY
3 Claims, 4 Drawing Figs.**

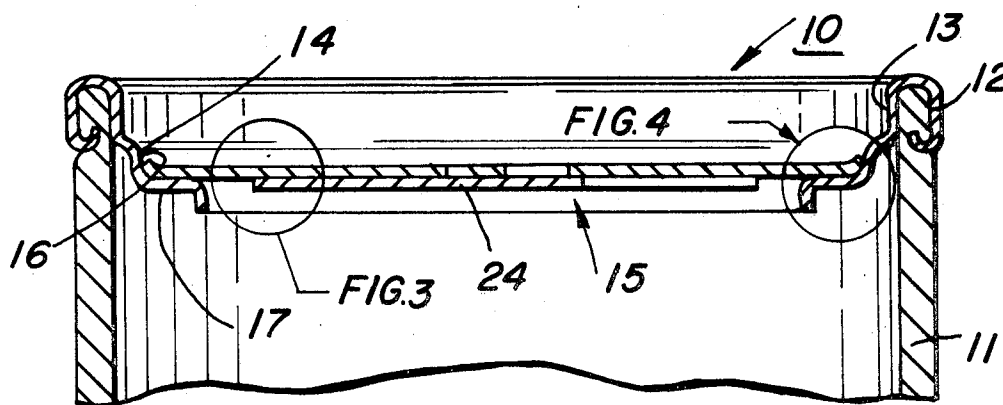
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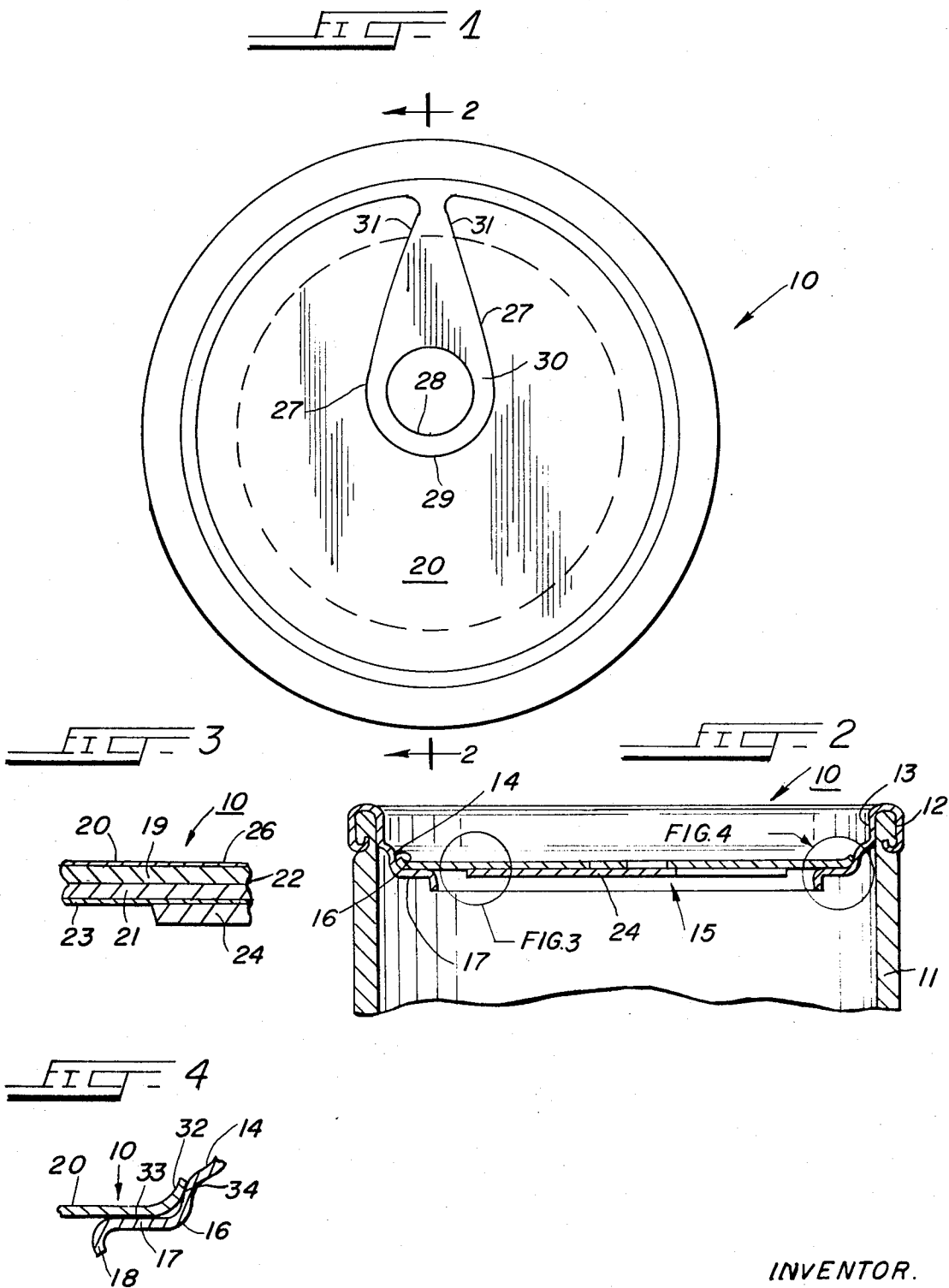
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ABSTRACT: A reclosable container closure for a container having an end closure ring seamed to the container body. The ring has an inward extending seating flange closure disc which is sealed to the flange during shipment and separated therefrom when the container is first opened. The closure disc also is provided with a peripheral ring of pressure sensitive adhesive suitable for holding the closure disc in position to seal the container after it is first opened.

The closure disc may be formed from a plurality of laminae, the top lamina being arranged to provide a pull tab foldable out the plane thereof. The bottom lamina may be of metal to give proper stiffness to the closure disc.





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RECLOSABLE END STRUCTURE FOR CONTAINER BODY

BACKGROUND OF THE INVENTION

1. Field of the Invention

This invention relates to improvements in containers having a metal end closure ring beaded thereto. Said ring has an inwardly extending seating flange affording a support for an easily detached laminated closure having two concentric rings of adhesive, one being employed at the time the container is first filled and closed, and the other being employed to provide a seal for subsequent opening and reclosing of the container.

2. The Prior Art

The broad concept of having a closure structure including a ring seamed to the end of a container body and a laminated closure disc sealed to the ring is shown in Griese U.S. Pat. Nos. 3,151,765; 3,245,576 and 3,245,765. None of these patents shows cooperation of the seamed metal ring with a removable closure having two concentric rings of adhesive, one being pressure sensitive for a reusable seal, and the other being a strippable seal used only before the container is opened.

SUMMARY OF THE INVENTION

The invention herein is especially adapted for use with containers from which part of the contents may be removed from time to time. Containers for coffee are an example. The structure according to the invention contemplates a container having a flanged ring which is beaded to the container body. The ring affords a seat for a removable disc-type closure having two concentric rings of adhesive, one being employed to hold the disc to the ring prior to container opening and the other being employed for subsequent sealing after the container is initially opened. A feature of the invention lies in forming the closure of laminae, one lamina being scored and liftable from the plane thereof to provide a pull tab, and another being used to stiffen the closure disc.

THE DRAWING

FIG. 1 is an end plan view of a container having a reclosable end structure according to the present invention;

FIG. 2 is a longitudinal section taken along the line 2—2 of FIG. 1 looking in the direction of the arrows;

FIG. 3 is a detailed sectional view, to an enlarged scale, of a part of the closure disc; and

FIG. 4 is a detailed sectional view, to an enlarged scale, of an edge portion of the closure disc.

The end structure according to the present invention is referred to by the reference numeral 10 and has a beaded connection 12 to a container body 11. The latter may be formed of fibrous material such as helically wound kraft paper and is appropriately lined, if desired, with an impervious lining. The construction of the container body 11 forms no part of the present invention and is accordingly not described in detail.

The end structure 10 has an opening 15 therein, and comprises an inner face 13 continuous with flange 14 of convoluted configuration and continuous with a wall 16 essentially parallel to the longitudinal axis of the container body 11. Wall 16 is continuous with a seating flange 17, and the opening 15 is defined by a bead flange 18.

The end structure 10 includes a closure disc 20 comprised of a first lamina 19 and a second lamina 21, the two lamina being joined by an adhesive film 22. The underside of lamina 21 may be covered with a foil barrier 23 such as aluminum foil. Closure disc 20 is preferably stiffened with a stiffening lamina 24 made preferably of metal. Stiffening lamina 24 has a diameter which is less than the diameter of the opening 15 as seen in FIG. 2.

If desired, the upper surface of lamina 19 may be covered

with any desired label 26. Structure is provided for enabling closure disc 20 to be removed readily from its position on seating flange 17, and to this end the upper lamina 19 has an essentially U-shaped full score 27 therein with a connecting bight 29 connecting the limbs of the U-shaped score 27. A circular full score 28 is provided within the bight 29, and the structure thus far described defines a pull tab 30. In order to provide hinging of the pull tab 30 with respect to the lamina 19, the full scores 27 are each continuous with partial scores 31.

The periphery of the closure disc 20 is provided with an up-turned flange 32 adapted to seat against the wall 16. As seen more particularly in FIG. 4, closure disc 20 has a pair of concentric lines of adhesive 33 and 34 on the lower face thereof, adhesive 33 being interposed between closure disc 20 and the seating flange 17, and being for the purpose of holding closure disc 20 in place prior to the first removal thereof from seating position on seating flange 17. Adhesive 33 is a stiffable seal which when broken is no longer effective for resealing.

The second ring of adhesive 34 is pressure sensitive and is located at the underside of the closure disc 20 at the periphery 32 thereof, and between closure disc 20 and the wall 16. Adhesive ring 34 is adapted to hold closure disc 20 in position after the first removal thereof from seating flange 17. Thereafter, it affords easy removal of closure disc 20 and resealing of disc 20 as desired.

I claim:

1. An end structure adapted to be secured to a container body, said end structure comprising:

- a means for securing said end structure to said container body;
- a central opening in said end structure defined by inwardly extending seating flange;
- a closure disc for said opening including:

- first adhesive means disposed on a face of said closure disc and interposed between said closure disc and said seating flange for holding said closure disc in place prior to a first removal thereof from seating position on said seating flange;
- second adhesive means disposed on a face of said closure disc, said second adhesive means being pressure sensitive and being adapted to hold said closure disc in position after the first removal thereof from said seating flange, and providing for subsequent detachment of said closure and resealing of said container.

2. An end structure adapted to be secured to a container body, said end structure comprising:

- a means for securing said end structure to said container body;
- a central opening in said end structure defined by inwardly extending seating flange;
- a closure disc for said opening including:
 - first adhesive means disposed on said closure disc and interposed between said closure disc and said seating flange for holding said closure disc in place prior to a first removal thereof from seating position on said seating flange;
 - second adhesive means disposed on said closure disc, said second adhesive means being pressure sensitive and being adapted to hold said closure disc in position after the first removal thereof from said seating flange, and providing for subsequent detachment of said closure and resealing of said container.
 - said first and second adhesive means being concentrically disposed on said disc.

3. A structure according to claim 2 wherein said first adhesive means is located adjacent the edge of said central opening and said second adhesive means is located adjacent the edge of said closure disc.

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