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H. M. NICHOLLS

2,128,959

CONTAINER

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Fig. 1

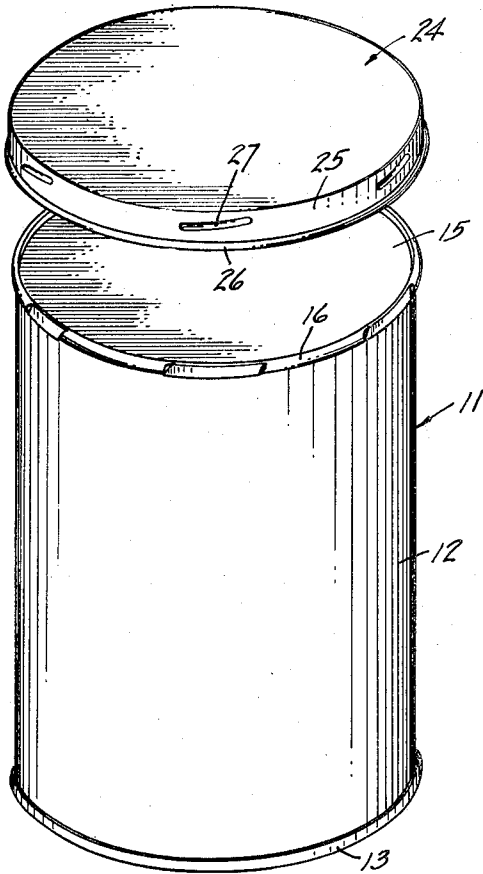


Fig. 3

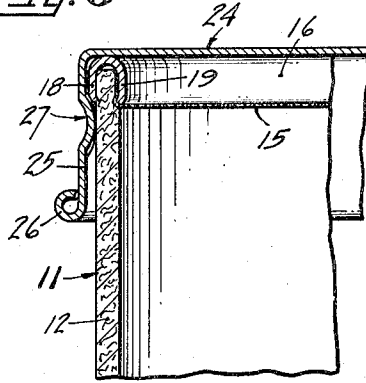


Fig. 4

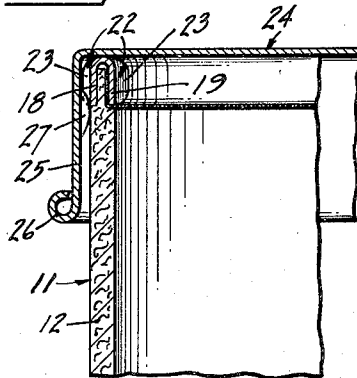
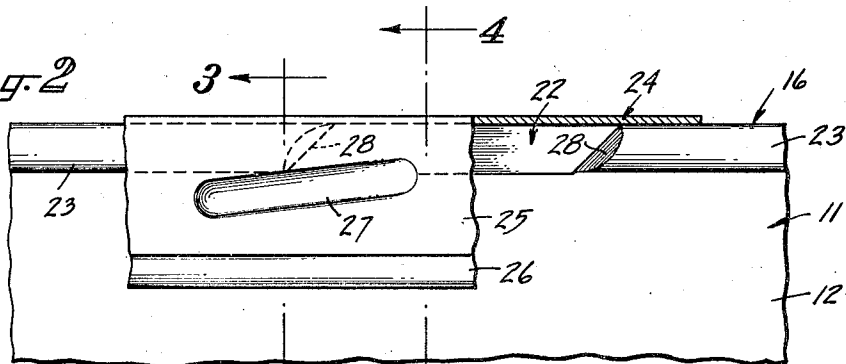


Fig. 2



INVENTOR
Henry M. Nicholls
BY *Don D. Thomburg*
Charles H. Fine
ATTORNEYS

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CONTAINER

Henry M. Nicholls, Chicago, Ill., assignor to
American Can Company, New York, N. Y., a
corporation of New Jersey

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3 Claims. (Cl. 229—5.5)

The present invention relates to a container or can having a fibre or other soft material body which is adapted to be closed with a removable metallic cover and has particular reference to a metallic ferrule or collar for the raw edge of the cover end of the body, the collar providing a bead interrupted with spaced depressions which set off adjacent protuberances for holding the cover in place when the latter is applied to the can.

An object of the invention is the provision in a container having a soft material body, of a metallic collar of annular channel shape which is readily secured over the top raw edge of the body to protect and reenforce the same and which after attachment to the can provides a narrow annular bead in which is formed transverse depressions spaced at intervals around its circumference to permit application of a cover to the can and which set off a plurality of spaced protuberances readily engageable by cooperating projections formed in a flange of the cover for locking the latter in place when it is applied to the can.

Another object is the provision of such a can wherein the metallic collar which is secured to the body and which is reshaped for holding the cover is also utilized to hold in place a temporary sealing disc which is adapted to be cut out to gain access to the can interior, the cover being used as a reclosure for the can after the sealing disc is removed.

Numerous other objects and advantages of the invention will be apparent as it is better understood from the following description, which, taken in connection with the accompanying drawing, discloses a preferred embodiment thereof.

Referring to the drawing:

Figure 1 is a perspective view of a can and its cover embodying the instant invention and showing the cover in removed and separated position;

Fig. 2 is an enlarged side view illustrating a part of the upper end of the can of Fig. 1 with a fragment of the cover shown in can-closing position, the cover fragment being broken back and shown partly in section; and

Figs. 3 and 4 are vertical sections taken substantially along the respective lines 3—3 and 4—4 in Fig. 2.

As a preferred embodiment of the invention the drawing discloses a can 11 (Fig. 1) which comprises a fibre or other soft material tubular body 12 and a bottom 13 secured thereto in any suitable manner.

The upper end of the body 12 is closed with a

temporary sealing disc 15 of cellophane or other suitable frangible material which is adapted to be cut out to gain access to the can interior. The disc is held in place by an annular collar 16 of metal or other relatively hard material formed in an inverted channel shape and is disposed over the top of the raw edge of the body wall (Fig. 3).

The outer and inner channel side walls or sections indicated by the numerals 18, 19 extend down adjacent corresponding surfaces of the wall of the body 12, the inner wall 19 clamping the edge of the sealing disc 15 against the inside of the body wall to hold the disc in place. The exposed terminal edges of the channel walls are turned inwardly and are embedded into the body wall to secure the collar against displacement and to form a narrow annular bead extending around the top edge of the can and projecting outwardly from the sides of the body wall. The collar bead thus protects the raw edge of the body wall and reenforces the upper end of the can.

At spaced intervals around the circumference of the collar 16 its channel walls 18, 19 are pinched in and embedded into the soft material of the body wall until the corresponding surfaces of channel walls and body wall are flush as shown in Fig. 4. This provides a plurality of depressions 22 (Figs. 1, 2 and 4) which extend transversely of and which set off adjacent portions of the collar bead as protuberances 23 projecting beyond the sides of the body wall. These depressions and protuberances are provided for holding a metallic cover 24 which fits over the top of the can and which is utilized as a reclosure after removal of the sealing disc 15.

The cover 24 is of the general configuration of a slip cover and is formed with a depending flange 25 which extends down adjacent the wall of the body 12 below the collar 16 and terminates in an outward curl 26. Inwardly projecting interrupted screw thread sections or projections 27 are provided in the flange for cooperation with the collar protuberances 23 to hold the cover in place when it is applied to the can. These thread sections are spaced to match or align with the depressions 22 of the collar so that in applying the cover the thread sections may be readily slipped through the depressions to seat the cover on top of the collar.

In this applied position of the cover the lower end of each of the thread sections 27 is below the level of the bottom of the collar protuberances 23. It is then only necessary to slightly rotate the cover until the screw threads engage under the

protuberances in a wedging section as shown in Fig. 2 to lock the cover in closed position. To facilitate this locking action and also to provide for easy disengagement of the cover when the can is to be opened, the sides of the depressions 22 are preferably beveled and inclined as shown at 28 in Fig. 2.

It is thought that the invention and many of its attendant advantages will be understood from the foregoing description, and it will be apparent that various changes may be made in the form, construction and arrangement of the parts without departing from the spirit and scope of the invention or sacrificing all of its material advantages, the form hereinbefore described being merely a preferred embodiment thereof.

I claim:

1. A container, comprising a tubular body of relatively soft material, a collar of relatively hard material having inner and outer walls surrounding an end of said body, the outer of said walls constituting an annular bead projecting outwardly beyond the plane of said body, said outer wall having spaced transverse depressions extending the entire depth thereof and setting off adjacent portions of the bead as protuberances, and a cover for said container adapted to fit the end of said body and having projections passable through said collar depressions when applying the cover to the body and engageable with said protuberances for locking the applied cover in place.

2. A container, comprising a tubular fibre body, an annular metallic collar disposed over a raw edge of an end of said body and formed in an inverted channel shape having outer and inner wall sections which extend adjacent and overlap corresponding surfaces of said body in gripping

engagement therewith, the wall sections of said collar being pinched in at spaced intervals around its circumference to provide depressions which extend transversely of said collar throughout the entire depth thereof and set off portions of the latter as protuberances projecting beyond the sides of said body, and a flanged cover for said container adapted to fit over the end of said body and having spaced interrupted screw-thread sections in its flange which are alignable with said collar depressions and passable therethrough when applying the cover to the body, said screw-thread sections being engageable with said collar protuberances by a slight rotation of the applied cover for locking the latter in place on the body.

3. A container, comprising a tubular body of relatively soft material, a sealing disc in an end of the body for temporarily sealing the container and adapted to be cut out for gaining access to the container interior, an annular collar of relatively hard material disposed over a raw edge of an end of said body for holding said sealing disc in place and constituting a bead extending around the body projecting beyond its sides, said collar having spaced depressions which extend transversely of the bead throughout the depth thereof, said depressions defining adjacent bead portions as protuberances, and a flanged cover for the container which fits over the sealed end of the body and which is utilized as a reclosure after removal of said sealing disc, said cover having spaced projections on its flange which are passable through said collar depressions when applying the cover to the body and are engageable with said collar protuberances by a slight rotation of said applied cover for locking the latter in place against accidental movement.

HENRY M. NICHOLLS.