

Oct. 4, 1960

H. IMBER

2,954,891

COMBINATION INSULATED CARRYING SOFT BAG AND PLASTIC JUG

Filed June 10, 1958

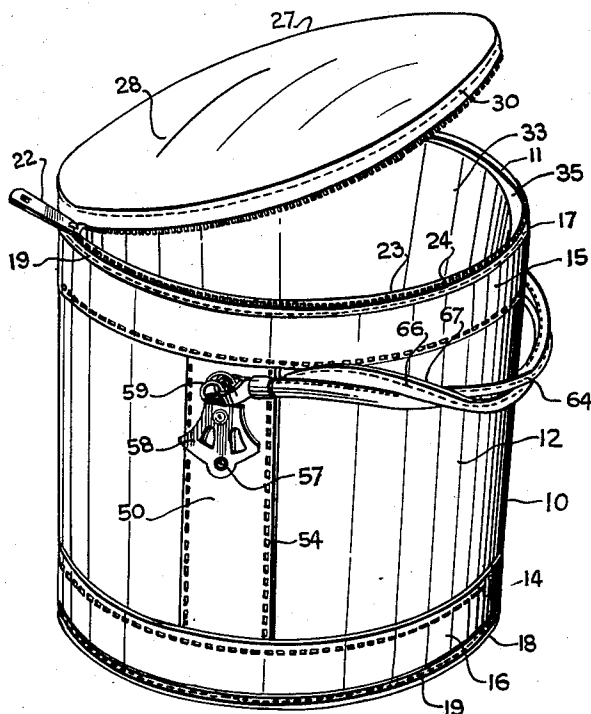


Fig. 1.

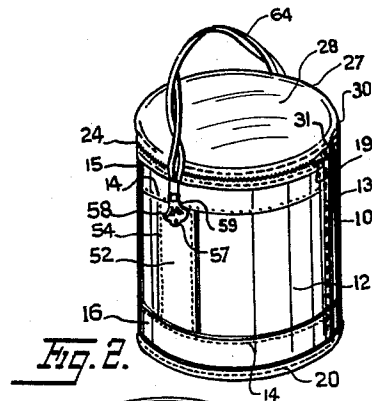


Fig. 2.

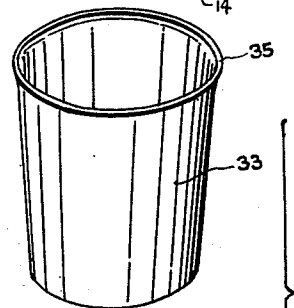


Fig. 3.

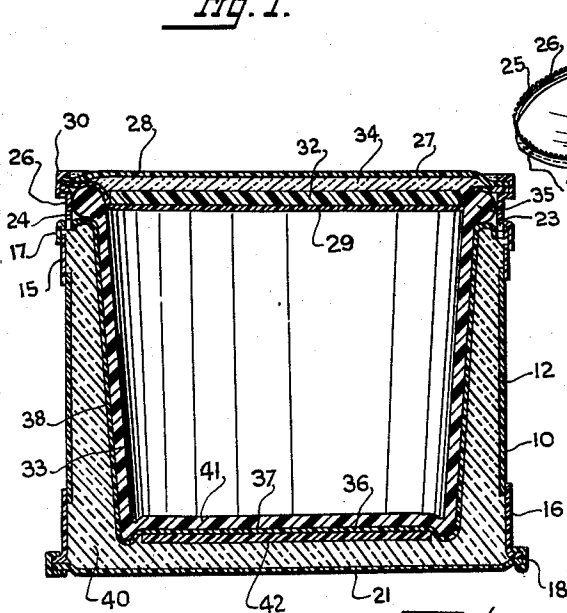


Fig. 4.

INVENTOR.
HAROLD IMBER
BY

John H. Polach
ATTORNEY

1

2,954,891

COMBINATION INSULATED CARRYING SOFT BAG AND PLASTIC JUG

Harold Imber, 432 12th St., Brooklyn, N.Y.

Filed June 10, 1958, Ser. No. 741,052

1 Claim. (Cl. 220—9)

This invention relates to the art of thermally insulated containers and particularly concerns a portable insulated bag provided with a removable liner, for transporting articles such as hot or cold solid and liquid foods.

The object of the invention is to provide a closed container in the form of a soft cylindrical bag provided with a rigid plastic liner.

A further object is to provide as a unit package a neat and attractive insulated container which is light in weight, durable, and economical to manufacture.

A further object is to provide a double-walled cylindrical container thermally insulated with Fiberglas and having a cover attached by a peripherally arranged slide fastener, the cover including a circular lid for a removable open-top pail disposed in the container.

A still further object is to provide a container structure as described and formed substantially entirely of tough plastic sheet material with a removable inner pail formed of rigid or semirigid polyethylene material.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claim in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

Fig. 1 is a perspective view of a container embodying the invention with the cover partly open.

Fig. 2 is a reduced perspective view of the container with the cover closed.

Fig. 3 is an exploded perspective view of the container and liner pail.

Fig. 4 is a central vertical sectional view of the container and liner pail.

According to the invention, there is provided a container having an outer hollow cylindrical body 10 with an open top 11 as shown in Figs. 1 and 3. The outer sidewall of the body 10 is formed of a plurality of rectangular panels 12. Panels 12 are heat-sealed by spot welds 14 to upper and lower annular horizontal strips 15 and 16. A circular panel 21 is provided at the bottom of the body 10. Binding tape 18 at the bottom edge of the body is secured by stitching 20 to join strip 16 and panel 21. Binding tape 17 at the top edge of the body secures a slide fastener tape 23 to strip 15 by stitching 19. Panels 12, strips 15 and 16 and panel 21 are formed of flexible plastic material, preferably vinyl plastic or other cast sheet plastic. The several plastic members may be decorated with plaid or other designs so that the body 10 presents an attractive decorative appearance.

A vertically extending binding tape 13 reinforces a seam formed by stitching adjoining edges of panels 12.

The container is provided with a circular cover 27. This cover includes an outer circular panel 28 and an inner lining panel 29. Binding tape 30 secured by stitching 31 joins the peripheries of panels 28 and 29. A slide fastener tape 26 is also secured by stitching 31 to the binding tape 30. Tapes 23 and 26 have teeth 24 and 25,

2

respectively, which mesh when slide fastener lock handle 22 is drawn around the cover and body to close the container as shown in Fig. 2. Disposed between panels 28 and 29 is a circular rigid lid 32 and above it is a Fiberglas pad or lining 34 as best shown in Fig. 4.

A liner in the form of a hollow truncated conical pail 33 is removably disposed in the container body. The pail has an open top with a rolled edge 35. The pail is formed of a rigid or semirigid material such as polyethylene.

The container body 10 has an inner lining or wall 38 formed of soft plastic sheet material similar to the members forming the outer walls of body 10. Between the inner and outer walls is a filling of Fiberglas insulation 40. A circular stiffener member 42 is disposed in the bottom of the container between the bottom portion 36 of lining 38 and the insulation 40. Lining 38 is secured by stitching 43 to lining 29 of the cover at a portion of their peripheries, as best shown in Fig. 3. This connection of the linings 29, 38 provides a hinge for the cover 27 on the body 10.

Two vertical panel strips 50, 52 to which panels 12 are secured by spot welds 54 are included at diametrically opposed portions of the structure of body 10. At their upper and lower ends strips 50, 52 are secured to strips 15 and 16 by welds 14. These strips may be made of a heavier gauge plastic sheet material than panel 12 if desired. Secured by rivets 57 to strips 50, 52 are strap brackets 58. The brackets retain loops 59. Loops 59 engage the looped ends of doubled and twisted strap 64. A reinforcement clamp 65 is provided on each end of the looped strap adjacent loops 59. The strap is made of a strip of plastic sheet material stitched longitudinally at 66 to form a seam 67, as best shown in Fig. 1. The strap may be stuffed with a suitable soft filler material to provide bulk.

When the pail 33 is disposed in the container, the lower stiffener member 42 nests in the recess 37 located at the bottom 41 of the pail so that the pail is supported on a soft cushion provided by insulation 40 beneath the member 42. When the cover is closed by drawing the slide fastener handle 22 around the periphery of the body 10 and cover 27, the cover is pressed down on the rolled edge 35 and the lip 32 effectively seals the open top of the pail.

The plastic pail 33 serves as a bucket which can be lifted with its contents out of the container. When in the container, the pail provides a rigid internal reinforcement for the body. The pail also provides additional insulation for solid or liquid foods which may be disposed in the pail. Strap 64 provides a convenient means for carrying the container whether pail 33 is inside the body 10 or is removed therefrom. Foods can be carried in the body 10 alone without the lining pail 33. If desired, the soft body 10 can be collapsed to occupy a very small storage space.

The outer and inner walls of body 10 are moisture and dirt resistant and can easily be cleaned with a damp cloth. They are formed of tough plastic material which resists wear and can withstand rough handling and hard usage.

While I have illustrated and described the preferred embodiment of my invention, it is to be understood that I do not limit myself to the precise construction herein disclosed and that various changes and modifications may be made within the scope of the invention as defined in the appended claim.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:

A composite bag comprising an open top conical pail

3

formed of rigid plastic material, said pail having a rolled top, and an outer container enclosing the pail, said container having a cylindrical body with a hinged circular cover, said cover and body carrying slide fastener tapes with teeth disposed to be engaged for closing the container, and a twisted looped strap secured to brackets at diametrically opposed sides of said body, said cover being formed with outer and inner flexible plastic panels, a rigid circular lid disposed between the circular panels for sealing the open top of the pail around the rolled top thereof and insulation material disposed between the lid and outer panel of the cover, said body having spaced inner and outer walls with thermal insulation material disposed between said inner and outer walls, and a rigid circular member disposed at the bottom of the body be-

5

10

15

4

tween said inner wall and the thermal insulation material for supporting the pail thereon.

References Cited in the file of this patent

UNITED STATES PATENTS

1,922,485	McKee	Aug. 15, 1933
1,949,277	Crawford	Mar. 6, 1934
2,487,491	Stone	Nov. 8, 1949
2,661,785	Daust	Dec. 8, 1953
2,808,093	Gilman	Oct. 1, 1957
2,857,949	Ziff	Oct. 28, 1958
2,881,936	Piker	Apr. 14, 1959

FOREIGN PATENTS

855,676	France	Feb. 19, 1940
---------	--------	---------------