Oct. 27, 1936. M. W. GOODRUM 2,059,098

SHIPPING CONTAINER

Filed Sept. 30, 1935

Fig. 1.

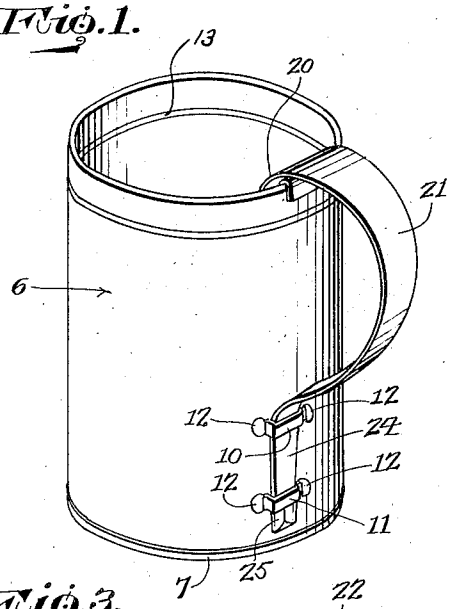


Fig. 2.

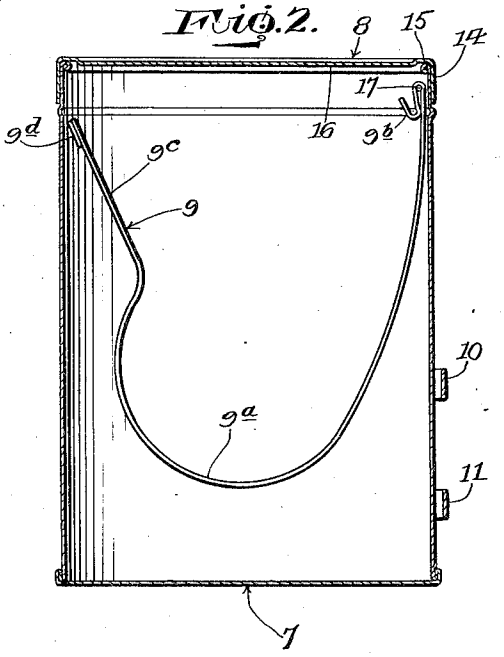


Fig. 3.

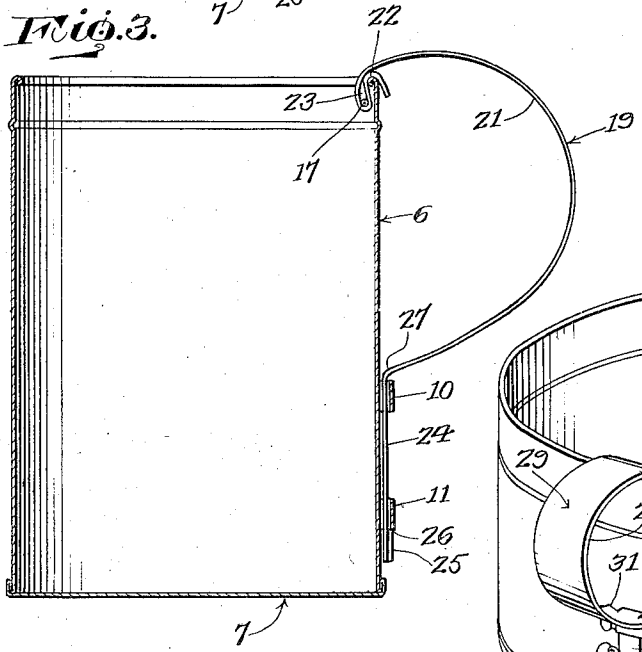


Fig. 5.

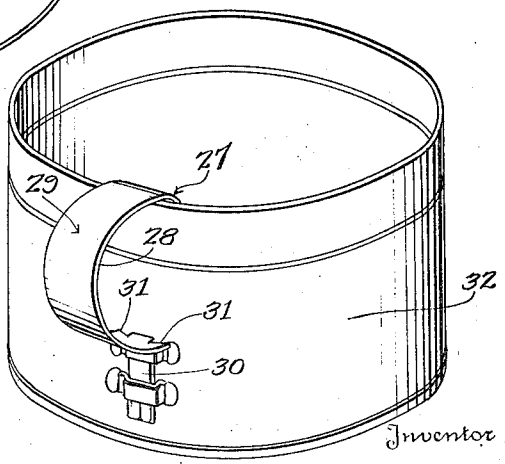
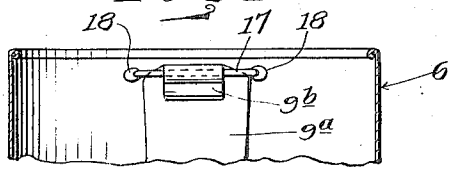


Fig. 4.



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SHIPPING CONTAINER

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Application September 30, 1935, Serial No. 42,910

8 Claims. (Cl. 220—94)

This invention relates to a container and has for its object to provide, in a manner as hereinafter set forth, a container designed for shipping or other purposes and including a closable body having as a permanent part of the latter a handle for the container capable of being completely housed within the container when the latter is closed and extended from said body when the container is open for coupling to the exterior of the body to dispose the handle in an upright position to be gripped by the hand to permit of the convenient handling of the open body of the container when occasion requires.

A further object of the invention is to provide, in a manner as hereinafter set forth, a shipping container capable, when emptied of its contents, to constitute a conveniently handled kitchen or camp utensil, such as a cup, cooking vessel or portable receptacle.

Further objects of the invention are to provide, in a manner as hereinafter set forth, a shipping container for the purpose referred to which is simple in its construction and arrangement, strong, durable, compact, conveniently handled, thoroughly efficient in the use intended thereby and inexpensive to manufacture.

With the foregoing and other objects in view, the invention consists of the novel construction, combination and arrangement of parts as will be more specifically described and as are illustrated in the accompanying drawing wherein is shown an embodiment of the invention, but it is to be understood that changes, variations and modifications may be resorted to which fall within the scope of the invention as claimed.

In the drawing:

Figure 1 is a perspective view of the container with the body thereof open and its handle disposed in a position to be gripped by the hand,

Figure 2 is a vertical sectional view of the container when closed,

Figure 3 is a vertical sectional view, upon an enlarged scale with respect to Figure 1, of the structure shown by the latter,

Figure 4 is a fragmentary view of the container body looking towards the inner face thereof, and

Figure 5 is a perspective view of a modified form.

With reference to Figures 1 to 4, the shipping container includes a hollow body 6 of any suitable contour, preferably cylindrical and open at each end, a bottom 7 for closing the lower end of body 6, a removable lid 8 for closing the upper end of body 6 and a handle attachment 9 permanently connected to body 6.

The body 6, as shown, may be formed of any suitable material and may be of any desired diameter and height. The lower end of body 6 abuts against the upper face of bottom 7. The body 6 and bottom 7 are secured to each other in any desirable manner. The body 6, on its outer periphery and in proximity to its lower end, is formed with a pair of laterally flanged coupling yokes 10, 11 arranged in superposed spaced relation. The flanges of said yokes are designated at 12 and are anchored, preferably by solder, to body 6. The body 6, adjacent its upper end, has an annular peripheral rib 13.

The lid 8 is of the rim type and includes a vertical band 14 and a top 15 which has its major portion inset, as at 16, with respect to the upper end of band 14. The non-inset portion of lid 8 seats upon the top edge of body 6. The band 14, which constitutes the rim of lid 8, frictionally engages with the outer periphery of body 7 above rib 13.

The attachment 9 includes a pivot 17 arranged to oppose the inner face of body 6 near the upper end of the latter. The ends of the pivot 17 are soldered, as at 18, to the body 6. The non-soldered part of pivot 17 is spaced from the inner face of body 6. The attachment includes a resilient strap-like member 19 formed of sheet metal or any other suitable material. The member 19, when completely housed within and embedded in the contents of the body 6, is formed of an elongated substantially U-shaped part 9^a having one of its sides of greater length than the other, a hook-shaped part 9^b merging into the upper end of the elongated side of the part 9^a and a tapered inclined part 9^c merging into the upper end of the other of said sides. The part 9^c has an enlarged free end 9^d. The member 19, when extended from said body provides a handle which, as shown in Figures 1 and 3, consists of an upper end stretch 20 substantially of S-form, a curved substantially semi-oval shaped intermediate stretch 21 merging at one end into one of the ends of the stretch 20 and overlapping a bend 22 in stretch 20 to provide a closed loop 23. The other end of stretch 21 merges into the inner end of a lower end stretch 24 disposed at right angles to stretch 21 and is of flared contour in a direction towards the stretch 21. The outer end terminal portion of the stretch 24 is enlarged, as at 25, to provide a transversely extending latching shoulder 26 on the outer face of said stretch.

When the container is closed and prior to the removal of the contents thereof, the member 19

is completely housed in body 6, such as shown in Figure 2. When the lid 8 is removed the member 19 is shifted from within body portion 6 and is connected to the coupling yokes 10, 11. In this connection it will be stated that when member 19 is swung outwardly on pivot 17, the lower end stretch 24 passed through said yokes until the shoulder 26 is in position to abut the bottom of the lower yoke and the bend 27 between stretches 21 and 24 arranged in close proximity to the top edge of the upper yoke. When member 19 is coupled by the yokes 10, 11 to body 6 the stretch 21 is disposed laterally of body 6. When the member 19 is arranged in position to be gripped by the hand the inner face of the bend 22 bears against the top edge of body 6 and the free end terminal portion of stretch 20 is disposed outwardly with respect to the top of body 6. When the member 19 is in the position shown in Figure 3 the stretch 24 normally tends to move in a direction from the can body whereby the shoulder 26 on stretch 24, in connection with the lower yoke 11, will coact to latch the attachment in the position shown in Figure 3.

With reference to Figure 5, the handle attachment 27 is of the same construction and arrangement as the attachment 9 with the exception that the stretch 28 of the resilient strap 29 of the attachment 27, which corresponds to the stretch 21 of the like member 19 of the attachment 9, is of materially greater width than the stretch 30 of the strap 29 which corresponds to the stretch 24 of the member 19. The stretch 30 is of uniform width throughout. The stretch 30 is of less length than stretch 24. The stretch 28, at its point of mergence with stretch 30, has end edge portions 31 extending laterally in opposite directions relative to stretch 30. The strap 29 is of less length than strap 19. The open top container body 32 is of the form shown in Figure 5 and is of greater diameter and less height than that of the form shown in Figures 1 to 4. Otherwise than that as stated, the construction illustrated by Figure 5 will be the same as that shown in Figures 1 to 4.

What I claim is:

1. In a shipping container, a normally closed hollow body, a resilient strap normally housed within and pivoted at one end terminal portion to said body in proximity to one end of the latter, said strap being for extension from said body when the said end of the latter is opened, said strap including a substantially U-shaped part having one of its sides of greater length than the other, a hook-shaped part at the upper end of said side of greater length and a straight part at the upper end of and disposed at an angle to the other of said sides, and means on the outer face of said body for latching said straight part to said body against the outer periphery of said body when the strap is extended from the said open end thereby providing the strap with an upstanding outwardly directed hand gripping portion above said latched part.

2. In a shipping container, a normally closed hollow body, a resilient strap normally arranged within said body and having one of its end terminal portions pivotally connected to said body in proximity to one of the ends of the latter, said strap having its other terminal portion extending at an angle relative to its pivoted terminal portion, the major portion of said strap for extension from such end of said body when such end is opened, and means on the outer face of said body and coacting with said angularly disposed terminal portion for latching the said angularly disposed terminal portion to said body thereby providing the strap with an outwardly directed portion above the said latched angularly disposed terminal portion to be gripped by the hand of a person.

3. In a shipping container, a normally closed hollow body, a resilient strap normally arranged within said body and having one of its end terminal portions pivotally connected to said body in proximity to one of the ends of the latter, said strap having its other terminal portion extending at an angle relative to its pivoted terminal portion, the major portion of said strap for extension from such end of said body when such end is opened, means on the outer face of said body and coacting with said angularly disposed terminal portion for latching the said angularly disposed terminal portion to said body thereby providing the strap with an outwardly directed portion above the said latched angularly disposed terminal portion to be gripped by the hand of a person, the said means including a yoke, and the said angularly disposed end terminal portion being formed with a transverse shoulder abutting an edge of the yoke when the said angularly disposed terminal portion is latched to said body.

4. In a shipping container, a normally closed hollow body, a pivot member arranged within and anchored to said body in proximity to one end of the latter and being spaced from the inner face of said body, an extendible resilient handle forming strap normally housed within and embedded in the contents of said body and including a substantially S-shaped stretch swingingly mounted on said pivot member, an intermediate curved stretch coacting with said S-shaped stretch for confining said pivot in the latter, and a straight outer stretch, the major portion of said strap being for extension from said body on said pivot member when the said end of said body is opened, and means on the outer face of said body and coacting with said straight stretch for latching the latter to the outer periphery of said body and for retaining said intermediate stretch in upstanding outwardly directed position to constitute a handle.

5. In a shipping container, a normally closed hollow body, a pivot member arranged within, anchored to and spaced from the inner face of said body in proximity to one end of the latter, an extendible resilient handle forming strap normally housed within and embedded in the contents of said body, said strap including a substantially S-shaped stretch swingingly mounted on said pivot member, an intermediate curved stretch coacting with said S-shaped stretch for confining said pivot member in the latter and a straight stretch, the major portion of said strap for extension from said end of said body on said pivot when said end is opened, means on the outer face of said body and coacting with said straight stretch for latching the latter to the outer periphery of said body and for retaining said intermediate stretch in an upstanding outwardly directed position to constitute a handle, the said means including a yoke, and said straight stretch being formed with a transverse shoulder abutting an edge of said yoke when said straight stretch is latched to said body.

6. In a shipping container, a normally closed hollow body, a pivot member arranged within, anchored to and spaced from the inner face of said body in proximity to one end of the latter, a resilient handle forming strap normally housed

within said body, loosely connected at one end with said pivot member and having the major portion thereof for extension from said body when the said end of the latter is opened, means carried by said body for latching the outer end of said strap, when the latter is in extended position to said body to provide a handle means, and said strap having a plurality of parts coacting when the strap is extended to maintain the strap connected to the pivot and for the strap to seat on the edge at the open end of said body.

7. In a shipping container of that type including a normally closed body having a removable closure for one end thereof, a latching means on its outer periphery and a pivot therein in proximity to said end, a handle means for said container, said means being normally housed within and capable of being extended from said body when said closure is removed, said handle means being formed of a resilient strap having parts for encompassing said pivot, a part for seating on the edge at the open end of the body when the handle means is extended from the open end of said body at the open end of the latter, and a part for slidably extending through said latching means thereby providing the strap with an outwardly directed upstanding stretch constituting a handle for the container.

8. In a shipping container of that type having a keeper means on its outer periphery, a handle for said container normally housed therein and adapted to be extended from the container when an end of the latter is opened, said handle being formed of a resilient strap having a substantially U-shaped intermediate stretch, a hook-like end stretch and an angularly disposed end stretch, said intermediate stretch having one of its sides of greater length than the other, the side of greater length of said intermediate stretch merging into said hook-like end stretch and the side of shorter length of said intermediate stretch merging into said angularly disposed end stretch, the said side of greater length coacting with said hook-like end stretch for connecting the strap to a pivot adapted to be anchored in the container, and said angularly disposed end stretch adapted to slidably engage with the keeper whereby such stretch is latched to the container and maintains said intermediate stretch in an upstanding position to provide a handle for the container.

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