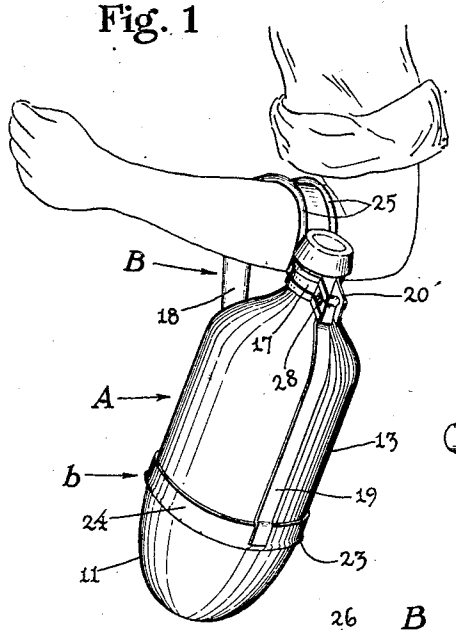
Oct. 6, 1931. G. E. BROOKE 1,825,897

SERVICE BOTTLE

Filed July 17, 1930

Fig. 1



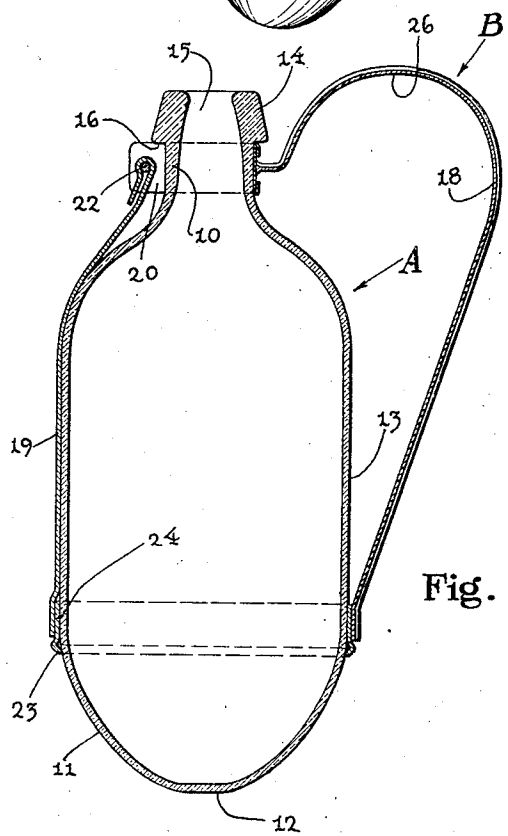
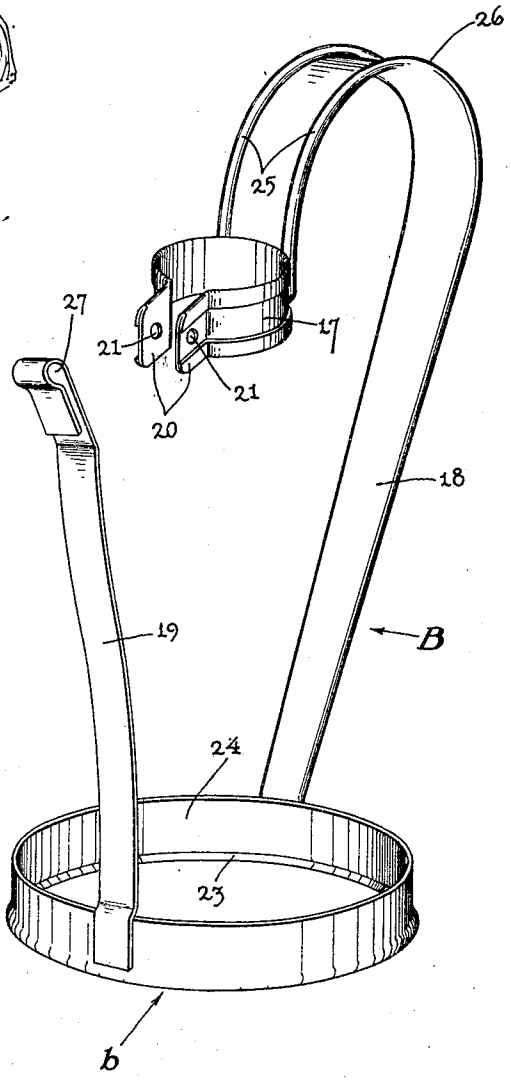


Fig. 2

Fig. 3



Inventor

Gale E. Brooke

By Caswell & Lagaard

Attorneys

Patented Oct. 6, 1931 1,825,897

UNITED STATES PATENT OFFICE

GALE E. BROOKE, OF MINNEAPOLIS, MINNESOTA

SERVICE BOTTLE

Application filed July 17, 1930. Serial No. 468,503.

My invention relates to improvements in service bottles, particularly for dispensing liquid refreshments from sources of bulk supply to patrons in grand stands and similar gathering places.

In vending liquid refreshments in the modern grand stands, it is economically advantageous from the standpoint of breakage and time saving and otherwise to dispense the refreshments from the bulk, as by serving the patrons in paper cups from a supply carried in a bottle or like container. In a service bottle capable of meeting the numerous requirements of a dispenser of the present nature, the article should have substantial capacity and, at the same time, should be relatively light in weight and capable of being carried upright with comfort and in such manner that the vendor may, at any time, have free use of both hands in the handling of the cups and in making change. The bottle proper, preferably, should be of transparent glass, whereby the contents thereof may be appetizingly displayed and the bottle being relatively light in weight, the practice of setting the bottle down on floor or steps should be discouraged to prevent breakage. The bottle proper should be constructed in such a manner as to render the vending of the refreshments entirely sanitary. The carrier for the bottle proper, in addition to being light in weight, strong, durable and sightly, should be constructed so as to securely retain the bottle and so as to be readily removed therefrom and reapplied thereto, to permit of the ready sanitation of the separated parts and the ready reassembling thereof.

It is an object of my present invention to provide a service bottle of relatively inexpensive construction, which satisfactorily meets the various requirements above noted.

More particularly, it is an object of my invention to provide a service bottle wherein the bottle proper is of substantial capacity, being relatively slender and having a comparatively small neck and a bottom, rounded to render the bottle insecure against being tipped over on a supporting surface.

Another object of the invention is to provide in the carrier for the bottle proper, a simple, durable, sightly and inexpensive structure capable of securely carrying the bottle proper and adapted to be quickly and easily removed therefrom and reapplied thereto.

A further object is to incorporate in such carrier a handle by which the article may be suspended from the arm of the vendor in a substantially upright position not interferring with the body of the vendor or endangering the contents of the bottle when filled.

With the foregoing and other objects in view, which will appear in the following description, the invention resides in the novel combination and arrangement of parts and in the details of construction hereinafter described and claimed.

In the drawings, Fig. 1 is a perspective view of a service bottle embodying my invention, the same being shown as suspended from the arm of a vendor; Fig. 2 is a vertical, central sectional view of the article and Fig. 3 is a perspective view of the carrier as it appears detached from the bottle proper.

Reference being had to the drawings, wherein I have illustrated a preferred embodiment of my invention, it will be seen that my improved service bottle includes a bottle proper, indicated in its entirety by the reference letter A, and, further, includes a carrier, indicated in its entirety by the reference letter B.

The bottle proper is elongated in form, being circular in cross section. It has a neck 10 and a semispheroidal bottom portion 11, flattened slightly at the base, as at 12, the sides of the body 13 of the bottle being cylindrical. A lip 14, formed on the neck 10, defines a mouth 15 of relatively small dimension, the lower part of said neck providing an annular shoulder 16.

The carrier B consists mainly of an upper ring 17, a lower ring *b*, a handle 18 and a hanger strap 19. The upper ring 17 is of a split ring construction formed from a band of sheet metal turned upon itself at the margins to secure strength. At each end of this split ring 17 is an out-turned lug 20, the two lugs being apertured as at 21 to receive a clamping bolt 22. The lower ring *b* is con-

structed of sheet metal, the same having an inturned bead 23 at its lower edge, the internal diametrical dimension of said bead being less than the internal diametrical dimension of the body 24 of the ring. The two rings 17 and *b* are joined by the handle 18, which is formed from a band of sheet metal having at the longitudinal margins thereof beads 25 turned outwardly and, preferably, over reinforcing wire strands, not shown. The upper and lower ends of the handle 18 are soldered or otherwise suitably secured to the upper and lower rings 17 and *b*, respectively, the point of connection between the handle and the split ring 17 being opposite the lugs 20. As will be noted, the handle 18 is arched at 26, well above the upper ring 12, and in such proportion as readily to receive the forearm of a vendor. The hanger strap 19 is secured at its lower end to the body 24 of the lower ring *b*, opposite the handle B, and is turned upon itself at the upper end thereof to form an eye 27, which takes position edgewise between the two lugs 20 of the split ring 17 and which, like said apertured lugs, receives the clamping bolt 22.

In applying the bottle proper to the carrier B, the lower portion 11 of the bottle is seated in the lower ring *b*, the body 24 of which encircles the lower cylindrical portion of the body 13 of the bottle, while the inturned bead 23 annularly engages an adjacently reduced part of said bottom portion 11. The split ring 17 is then sprung over the neck 10 of the bottle with its upper edge abutting beneath the shoulder 16 of the lip 14, this being followed by springing the upper end of the strap 19 inwardly into position between the lugs 20 of the split ring 17. The bolt 22 is then inserted through one lug, then through the eye 27 of the strap 19 and then through the other lug, a nut 28 being finally fitted to said bolt and turned against the adjacent lug to clamp the ring 17 on the neck 10 of the bottle. In tightening said nut 28, the bolt 22 is securely stationed and forms a rigid hanger for the strap 19. The removal of the bottle from the carrier is simply the reverse of its application thereto.

Advantages reside in the simplicity, durability and sightliness of the structure, also in the fact that the dispenser, while relatively light in weight, has a comparatively great capacity, and also in the ruggedness of the assembly.

The bottle proper and carrier are quickly and easily assembled and disassembled making it readily possible to maintain the article in a highly sanitary condition. The shape of the bottle and the disposition of the handle with respect thereto so disposes the center of gravity of the filled container that it may be carried conveniently on the arm without spilling the contents and without interfering with the body of the vendor. The shape of the bottom portion of the bottle renders it particularly applicable to the simple ring seat and discourages the vender against attempts to set the bottle down on the floor or steps where he is in attendance. The reduced mouth at the neck of the bottle minimizes the chance of contamination.

Changes in the specific form of my invention, as herein disclosed, may be made within the scope of what is claimed without departing from the spirit of my invention.

Having described my invention, what I claim as new and desire to protect by Letters Patent is:

1. In an article of the character described, an elongated bottle, circular in cross section, having a neck and a hemispheroidal bottom, a carrier for the bottle comprising a split ring removably applicable to said neck, said ring having outstanding lugs at the ends thereof formed with registering apertures, a lower ring adapted to receive the major portion of said bottom and annularly engage the same near its junction with the body of the bottle, a handle connected at its upper end to the split ring at a point opposite said lugs and rigidly connected at its lower end to the lower ring, said handle being arched above the split ring, a strap secured at its lower end to said lower ring at a point opposite the connection between said ring and handle, the upper end of said strap being formed with an eye adapted to be received between the lugs of said split ring, a bolt removably received by the apertures in said lugs and by the eye of said strap, said bolt forming a hanger for said strap and having a head for engagement with one of said lugs, and a nut for said bolt adapted to be turned against the other of said lugs to clamp the split ring about the neck of the bottle and to render said bolt secure.

2. In an article of the character described, a bottle, a carrier for the bottle comprising a split ring removably applicable to the neck thereof, said ring having outstanding lugs at its ends formed with registering apertures, a lower ring forming a seat receiving the lower portion of the bottle, a handle secured at its upper end to the split ring and at its lower end to the lower ring, a strap secured at its lower end to said lower ring, the upper end of said strap being formed with an eye adapted to be received between the lugs of said split ring, and a bolt removably received by the apertures in said lugs and by the eye of said strap, said bolt securing together the ends of said split ring and forming a hanger for said strap.

In testimony whereof I affix my signature.

GALE E. BROOKE.