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M. ALEX

2,598,747

CARAFE HANDLE

Filed March 11, 1950

FIG. 1.

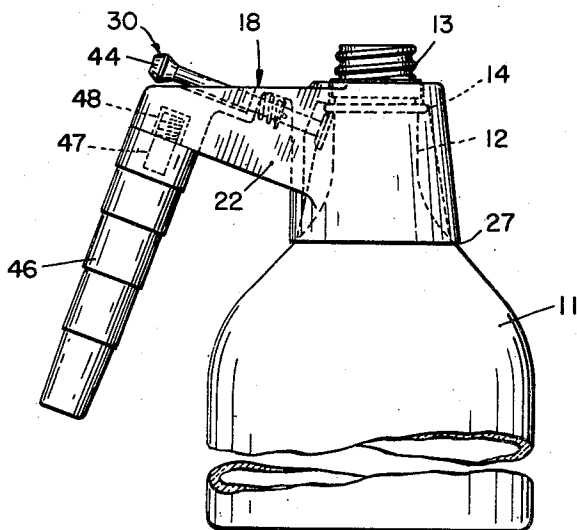


FIG. 2.

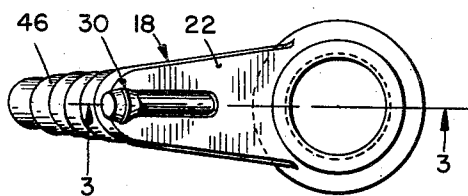


FIG. 3.

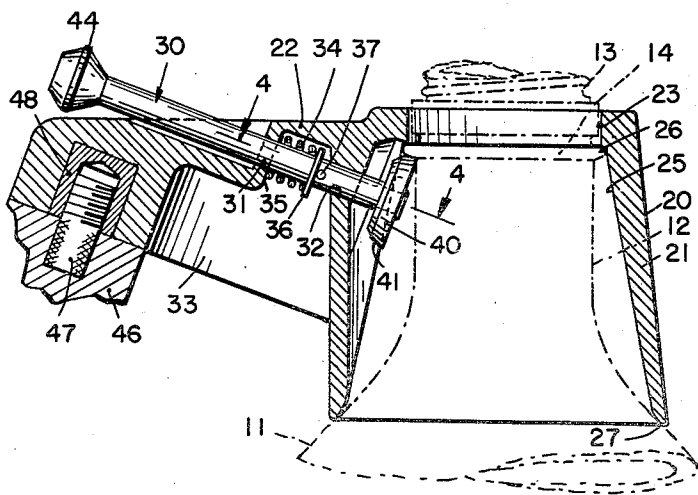
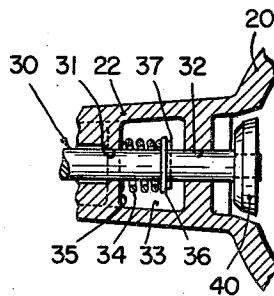


FIG. 4.



INVENTOR

MAX ALEX

BY

Maxon & Shuman

ATTORNEYS

UNITED STATES PATENT OFFICE

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CARAFE HANDLE

Max Alex, Pasadena, Calif., assignor to Sparkletts
Drinking Water Corporation, Los Angeles,
Calif., a corporation of California

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4 Claims. (Cl. 294—27)

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This invention has to do generally with handles for objects and particularly with handles adapted to be detachably secured to bottles and the like.

An object of the invention is to provide a novel, attractive, detachable handle for a bottle or other object having a neck-like upper end.

Another object is to provide a detachable handle of the type indicated which embodies a simple latch mechanism for securing the handle to a bottle.

A further object of the invention is to provide a detachable handle of simple construction which can be made from a variety of materials and which is so designed that the major parts thereof can be cast, molded, or fabricated by other mass production methods.

A still further object of the invention is to provide a detachable handle which is easy to use in that it may be readily quickly secured or detached from a bottle and when secured, provides a firm means for grasping the bottle.

These and other objects will be apparent from the drawing and the following description thereof.

Referring to the drawing, which is for illustrative purposes only:

Fig. 1 is an elevational view of a handle device embodying the invention shown on a bottle;

Fig. 2 is a plan view of the device of Fig. 1;

Fig. 3 is an enlarged sectional view substantially on line 3—3 of Fig. 2; and

Fig. 4 is a section substantially on line 4—4 of Fig. 3.

More particularly describing the invention, reference numeral 11 generally indicates a bottle having a neck 12, the upper end of which has exterior screw threads 13 and a peripheral bead or rim 14 below the threads.

The handle device of the invention is generally indicated by numeral 18 and comprises a body 20 which includes an annular collar 21 having an arm 22 which extends radially therefrom. The collar 21 is provided at its upper end with an opening or bore 23. Below this, the inner wall 25 of the collar is conoidal in character, diverging from a shoulder 26 to the lower end portion 27 where the wall tapers outwardly.

The collar is designed to fit over the neck of the bottle to the point where the lower end 27 rests upon the enlarged diverging portion of the bottle and the shoulder 26 rests upon the rim or bead 14 of the bottle.

For the purpose of detachably securing the handle in place a latch is provided, and this comprises a pin 30 which is received in bores 31 and 32 of the arm 22 formed on the collar. The arm

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is provided with a cutout or recessed portion 33 and the pin 30 passes through this recessed portion. A compression spring 34 is provided between the shoulder 35 and a washer 36 bearing against a pin 37. The inner end of the latch pin 30 is provided with a latch disk 40 having a somewhat beveled face 41 adapted to fit under the rim 14 of the bottle and the disk is held in this position yieldably by the compression spring 34. The outer end of the latch pin may be provided with a knob 44 for convenience in operating the pin.

At its outer end the arm 22 is fitted with a hand grip 46 which is shown as being provided with a bolt 47 at its upper end for reception in a suitable threaded insert 48 provided in the arm 22.

While it is contemplated that the latch mechanism may be made of metal, the other parts of the device can be conveniently made of metal, plastic, or other suitable material.

In the use of the device the latch pin is retracted and the collar 21 slipped over the neck of the bottle until it is in the position shown in the drawings. The latch pin is then released to position the latch disk beneath the rim, thereby locking the handle in position on the bottle.

Although the invention has been particularly shown and described, it is contemplated that various changes and modifications may be made without departing from the scope thereof as indicated by the following claims.

I claim:

1. A detachable handle for a bottle having a neck of reduced diameter with a peripheral bead comprising a body providing an annular collar for receiving the neck of the bottle, an arm projecting substantially radially of said collar, a latch pin slidably mounted in said arm and extending through said collar, a member on the inner end of said pin for engaging the bead on said bottle, and a spring interposed between the pin and said arm yieldably urging said pin inwardly toward said bottle.

2. A detachable handle for a bottle having a neck of reduced diameter providing a peripheral bead, comprising a body having an annular collar for receiving the neck of the bottle, said collar providing a radially inwardly projecting shoulder for abutting engagement with the outer side of said bead, said collar extending axially a substantial distance beyond said shoulder for engagement with the bottle, a latch pin slidably mounted in said body and extending through said collar for engagement with the inner side of said

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bead, and spring means mounted in said body for urging said latch pin toward the bottle.

3. A detachable handle for a bottle having a main portion and having a neck of reduced diameter with a peripheral bead and having a tapering portion between the neck and main portion, comprising a body providing an annular collar for receiving the neck of the bottle, said collar having an opening at its upper end terminating in a radially outward extending shoulder for abutting engagement with the upper side of said bead, and a diverging inner wall from the shoulder to the lower end of the collar, terminating in an annular edge for engagement with the tapering portion of the bottle, an arm on the collar extending substantially radially thereof, a latch pin mounted in said arm radially thereof and extending through said collar below said shoulder for engagement below the bead on said bottle, a spring between said arm and pin for yieldably urging the pin inwardly, and a handle grip member projecting from said arm.

4. A detachable handle for a bottle having a main portion and having a neck of reduced diameter with a peripheral bead and having a tapering portion between the neck and main portion,

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comprising a body providing an annular collar for receiving the neck of the bottle, said collar having an opening at its upper end terminating in a radially outward extending shoulder for abutting engagement with the upper side of said bead, and a diverging inner wall from the shoulder to the lower end of the collar, terminating in an annular edge for engagement with the tapering portion of the bottle, an arm on the collar extending substantially radially thereof, a latch pin mounted in said arm radially thereof and extending through said collar below said shoulder, a latch disk on the inner end of said pin for engagement below the bead on said bottle, and a spring between said arm and pin for yieldably urging the pin inwardly.

MAX ALEX.

REFERENCES CITED

The following references are of record in the file of this patent:

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Number	Name	Date
2,093,658	Hildenbrand	Sept. 21, 1937