

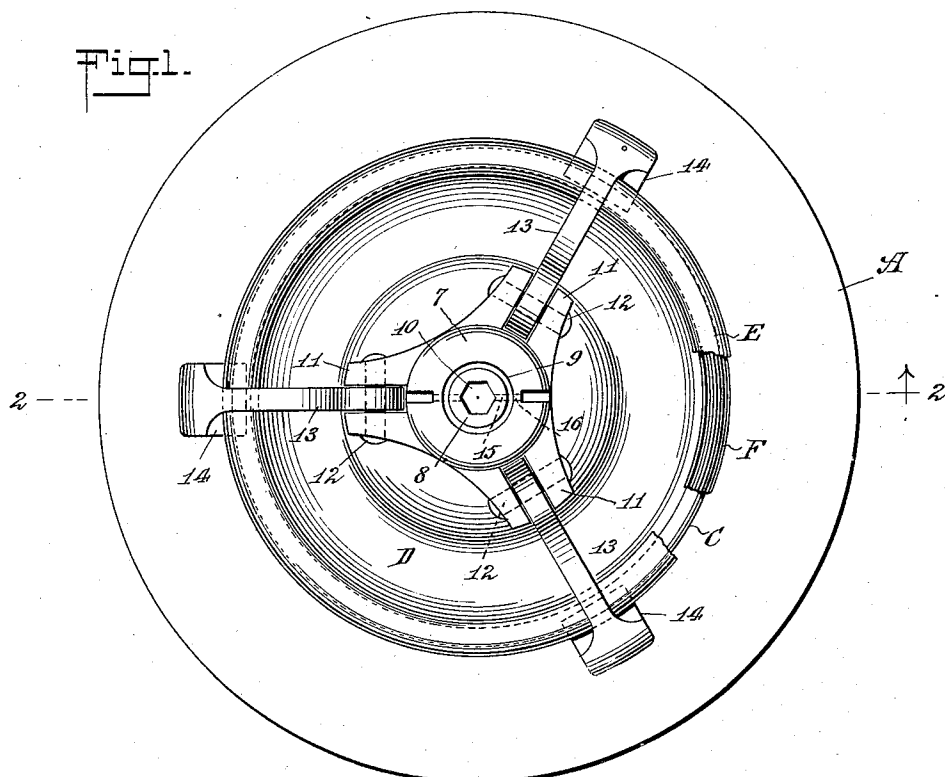
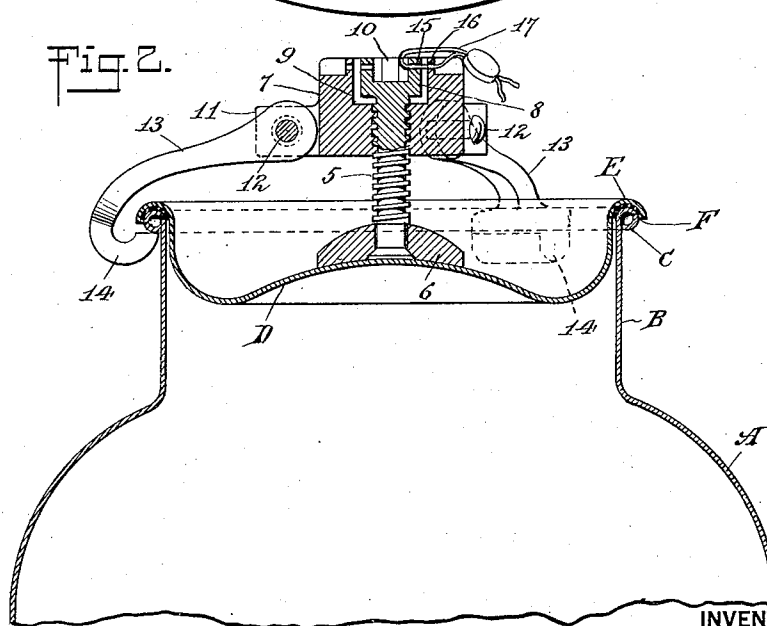
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CONTAINER CLOSURE SECURING DEVICE

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WITNESSES

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CONTAINER CLOSURE SECURING DEVICE

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This invention relates to closures for receptacles or containers, and has particular reference to a closure securing device which while not restricted thereto, is particularly designed for use in connection with large cans or containers, such as are to be employed for the transportation and storage of commercial liquids or substances in bulk, to take the place of carboys.

One of the principal objectives to be attained is to provide a comparatively simple but highly effective container closure retaining or locking means, by virtue of which positive sealing of the container is assured and accidental displacement of the closure precluded.

As a further feature, the invention aims to provide a closure retaining and locking device of the indicated character, which may be readily manipulated to effect the securement or release of the closure by an authorized person provided with the proper key or implement but which will forestall and render it difficult for others to release the same.

The invention furthermore contemplates means for facilitating the use of a seal in connection with the closure locking means whereby to assist in the detection of attempts to pilfer or tamper with the contents of the container.

With the above recited and other objects in view, reference is had to the following description and accompanying drawing, in which there is exhibited one example or embodiment of the invention, while the claims define the actual scope of the same.

In the drawing:

Figure 1 is a plan view of the container closure securing device in active position.

Figure 2 is a fragmentary vertical sectional view taken approximately on the line 2—2 of Figure 1.

Referring to the drawing by characters of reference, A designates a can or container having an open upper end or neck B provided with an external bead C. A closure D is provided with a marginal rim E which fits over the beaded upper end C of the container and

between which rim and bead a gasket F may be arranged.

The closure securing device constituting the present invention consists of a threaded stem 5 provided at its lower end with a swiveled head 6 which is adapted to bear against the closure while permitting of turning movement or rotation of the stem 5. The securing device further includes a member or nut 7 through which the stem 5 threadedly extends, the upper end of the stem being provided with a manipulating head 8 which is disposed within a recess 9 in the outer or upper end of the member or nut 7. The manipulating head is provided with a key receiving socket 10 of any desired configuration and by virtue of which the stem may be rotated in opposite directions to feed the member or nut 7 toward or away from the closure D. The member or nut 7 is further provided with a plurality of pairs of circumferentially spaced bearing ears 11, between each pair of which there is fulcrumed on a pivot pin 12, a claw 13 having an enlarged hooked terminal 14 at its free end. In use, after the closure D is arranged over the upper open end of the container, the securing device is positioned relative to the closure and container and the terminals 14 of the claws 13 engage behind the bead C while the swiveled head 6 of the stem 5 bears concentrically upon the upper portion of the closure D. By turning the stem 5 in the proper direction through the medium of a key inserted in the socket 10, the member or nut 7 will be moved away from the closure D, thereby advancing the terminals 14 radially inward behind the bead C and exerting a pressure of the closure D upon the open upper end of the container A.

In order to afford means for sealing the retaining device, the manipulating head 8 and the member or nut 7 are provided with registering apertures 15 and 16 for the reception of a sealing device 17.

While there has been illustrated and described a single and preferred embodiment of the invention, it is to be clearly understood that no limitation is necessarily made to the precise structural details, and that variations and modifications which properly fall within

the scope of the claims may be resorted to when desired.

What is claimed is:

1. A device for securing a container closure
5 in place, having the combination with a container provided with an external marginal bead at its open end, of a threaded stem having a swiveled head at one end adapted to bear against the closure, a nut member through
10 which the stem is threaded having a plurality of circumferentially spaced pairs of radially projecting bearing ears, a claw fulcrumed in each pair of ears, a hooked terminal at the free end of each claw engageable behind the bead, a manipulating head at the
15 outer end of the stem having a key socket and a recessed portion at the outer end of the member within which the manipulating head is disposed.

2. A device for securing a container closure
20 in place, having the combination with a container provided with an external marginal bead at its open end, of a threaded stem having a swiveled head at one end adapted to bear against the closure, a nut member through
25 which the stem is threaded having a plurality of circumferentially spaced pairs of radially projecting bearing ears, a claw fulcrumed in each pair of ears, a hooked terminal at the
30 free end of each claw engageable behind the bead, a manipulating head at the outer end of the stem having a key socket and a recessed portion at the outer end of the member within which the manipulating head is disposed, said manipulating head and member
35 provided respectively with apertured portions adapted to register for the reception of a sealing means.

Signed at Woodhaven, in the county of
40 Queens and State of New York this 26th day of Nov., 1930, A. D.

BENJ. BURVENICK.

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