Nov. 6, 1928. 1,690,479

C. J. I. DEVLIN

CONTAINER WITH COVER LIFTING AUXILIARIES

Filed March 19, 1928

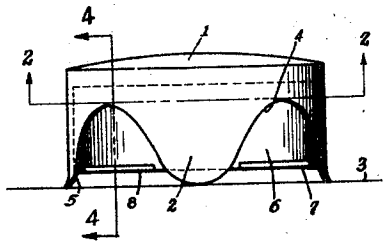


Fig. 1.

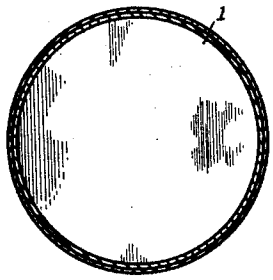


Fig. 2.

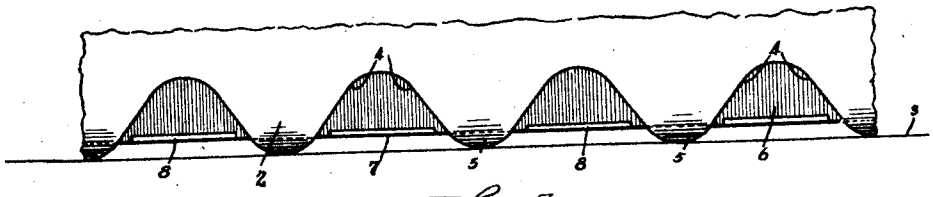


Fig. 3.

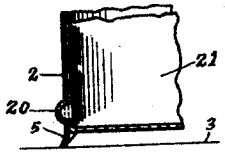


Fig. 6.

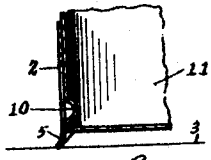


Fig. 5.

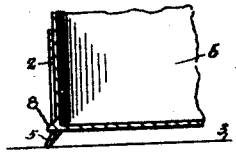


Fig. 4.

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UNITED STATES PATENT OFFICE.

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CONTAINER WITH COVER-LIFTING AUXILIARIES.

Application filed March 19, 1928. Serial No. 262,846.

My invention relates to improvements in containers, and it consists of the combinations, constructions and arrangements hereinafter described and claimed.

An object of my invention is to provide a container having a cap with legs that normally bear against a supporting surface, and a body receivable in the cap and normally being supported by the cap so that the bottom of the body lies above the supporting surface. Sufficient space is provided between the legs of the cap to permit the fingers to grip the body and to move it downwardly onto the supporting surface. If desired, means may be provided on the body for preventing slippage between the fingers and the body.

When the body is thus moved to this position, it is substantially free from the cap, and may be readily removed therefrom for exposing the contents.

A further object of my invention is to provide a device of the type described which is extremely simple in construction and which may be made of any shape, from any material, or of any size within the grasp of the human hand.

Other objects and advantages will appear in the following specification, and the novel features of the device will be particularly pointed out in the appended claims.

My invention is illustrated in the accompanying drawing forming a part of this application, in which

Figure 1 is a side elevation of the device;

Figure 2 is a section along the line 2—2 of Figure 1;

Figure 3 is a development of the cap and container;

Figure 4 is a section along the line 4—4 of Figure 1; and

Figures 5 and 6 are modified forms of the device.

In carrying out my invention, I provide a cap 1 that may be made of any shape or of any material desired. The cap is shown circular, and is provided with fingers or legs 2 that rest upon the supporting surface 3. Any number of legs may be provided, and they may be made of any shape. The legs are separated from each other for providing recesses 4 large enough to permit the fingers to enter. The lower ends of the legs 2 are curved outwardly a slight distance as shown at 5 for a purpose hereinafter described.

A container 6 is removably disposed within the cap 1 and has a height that is less than the height of the cap 1. The size of the container 6 is such as to cause it to frictionally engage with the inner surface of the cap when the two members are secured together. The container, when in normal position, has its bottom 7 disposed above the supporting surface 3.

In Figure 4 I show the container as being provided with fillets 8 that project outwardly a slight distance, and are disposed at the bottom of the container. Any other suitable means for permitting the fingers to grasp the container will suffice. The fillets 8 extend between the legs 2 as shown in Figure 1.

From the foregoing description of the various parts of the device, the operation thereof may be readily understood.

In removing the container from the cap, the operator places his hand over the cap and brings his fingers into engagement with the side of the container and the fillets 8. A downward pressure of the hand will move the container toward the supporting surface and partially free the container from the cap. This movement loosens the two parts sufficiently to permit them to be taken apart.

The reason for this loosening is that the outwardly curved portions 5 do not contact with the container, therefore there is less frictional area binding against the container than was formerly the case. This construction also causes the legs to flare outwardly at their bottoms, thus providing a cap that has an open end larger in diameter than the diameter of the container. This permits the ready assembly of the cap and the container.

In Figures 5 and 6 I show modified forms of grips which take the place of the fillets 8. In Figure 5 I show depressions 10 in a container 11, while in Figure 6 I show projections 20 in a container 21. In all other respects, the modified forms are the same as the preferred form, and therefore no further description is necessary. The device is extremely simple in construction, and provides a novel container which may be opened with one hand.

Although I have shown and described several embodiments of my invention, it is to be understood that the same is susceptible of

various changes, and I reserve the right to employ such changes as may come within the scope of the appended claims.

I claim:

1. A container comprising a cap, a holder normally received within said cap, and means carried by said cap for spacing said holder above a supporting surface, said means providing access to said holder for permitting said holder to be moved toward the supporting surface.

2. A container comprising a cap adapted to rest upon a supporting surface, a holder receivable in said cap and normally being spaced above the supporting surface, said cap having recesses for permitting the holder to be grasped and to be moved down onto the supporting surface.

3. A container comprising a cap adapted to rest upon a supporting surface, a holder receivable in said cap and normally being spaced above the supporting surface, said cap having recesses for permitting the holder to be grasped and to be moved down onto the supporting surface, and means carried by said body for receiving the fingers of the operator.

4. A container comprising a cap with supporting legs, said legs defining recesses, a body received in said cap and normally being spaced above the supporting surface, said recesses permitting access to said body in removing said body from said cap, and gripping means carried by said body.

5. A container comprising a cap with supporting legs, said legs defining recesses, a body received in said cap and normally being spaced above the supporting surface, said recesses permitting access to said body in removing said body from said cap, and gripping means carried by said body, the extremities of said legs being curved outwardly slightly.

CHAS. J. I. DEVLIN.