

The Chip Lift

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Gaige Redd

(801) 319-1635

gaige@gaigeredd.com

Dane Hansen

(801) 842-5050

dane@danehansen.com

1979 W. Colony Pointe Dr.

Lehi, UT 84043

INVENTION TITLE

Method for raising the contents at the bottom of a container to the top.

DESCRIPTION

The present invention relates to a method for raising the contents at the bottom of a container to the top.

There are 3 main components to the device:

1. The Container: The container is cylindrical in nature, but not strictly limited to a circular shape. Any number of shapes would still work with this design. It can be made from paper, plastic or metal.
2. The Sleeve: The sleeve serves as a liner for the container, the top most part of which is folded back on itself and over the top lip of the container. The sleeve may also be made out of number of materials. The only stipulation is that it be flexible and hygienic.
3. The Outer Ring: The outer ring fits closely to the outside of the container. The ring would most likely be made from the same material as the container for the sake of economy, though it is not a requirement for proper function.

Due to its simple design, all 3 components (container, sleeve, outer ring) are necessary for the device to function properly.

The container houses the sleeve, which in turn houses the contents (chips in this example). The sleeve is affixed to the inside face of the outer ring.

As the outer ring is slid down the outside of the container, it pulls the sleeve with it, turning it inside out. This raises the bottom of the sleeve toward the mouth of the container.

Any number of containers could be adapted to use this system. They would simply need to be fitted with an outer ring having the same shape as the container. The sleeve would also need to be sized accordingly.

While the device is not limited to the snack-food industry or a cylindrical container, we will use stackable potato chips as an example. To use the device, a person would remove the air-tight seal a manufacturer would place over the opening of the container. They would then eat to their heart's content. As the chips became more difficult to reach, they would (while holding the bottom of the container with one hand) slide the outer ring towards the bottom of the container with the other hand, thus raising the chips within reach. In fact, they could feasibly eat the chips straight from the mouth of the container without getting a drop of oil on their hands.

As mentioned before, any item that can be placed in a cylindrical type container could benefit from this device. Be it chips, popcorn, cookies, paper clips, pogs, screws, butter, etc.

ABSTRACT

A simple device by which, the contents at the bottom of a container may be raised to the mouth of said container, making them easily accessible.

1 OPERATION

Fig. 1: The device is ready to be used. The outer ring (3) is in it's default position toward the top of the container (1).

Fig. 2: The outer ring (3) has been slid down the outside of the container (1), turning the sleeve (2) inside-out over the outside of the container as it goes. This results in the bottom of the sleeve being raised to the mouth of the can.

fig. 1

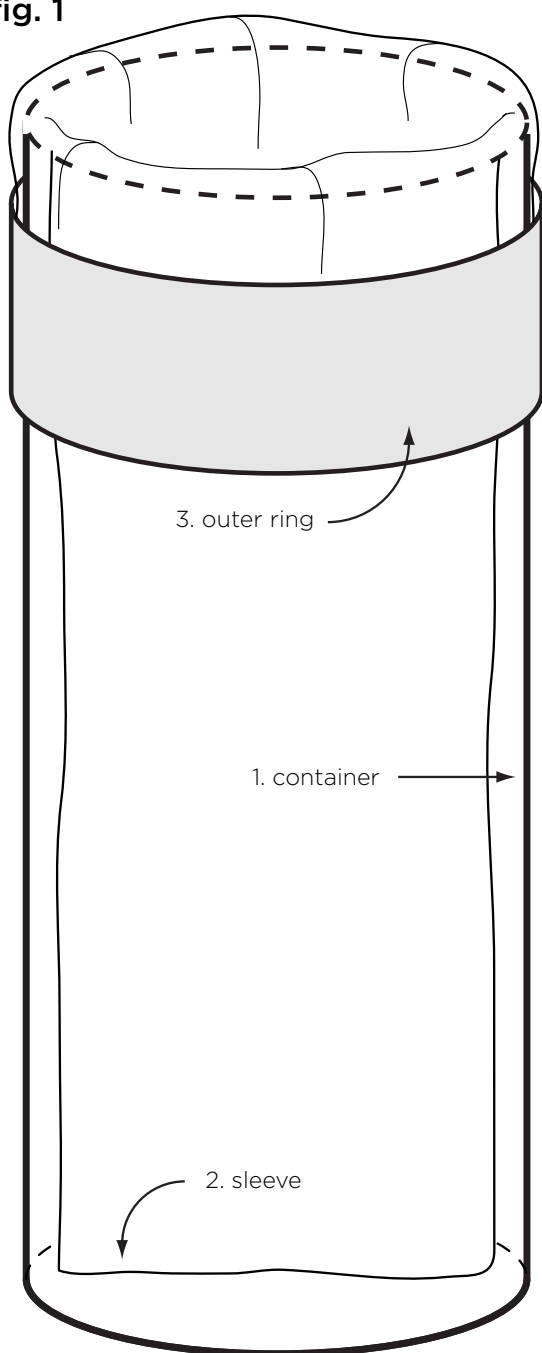
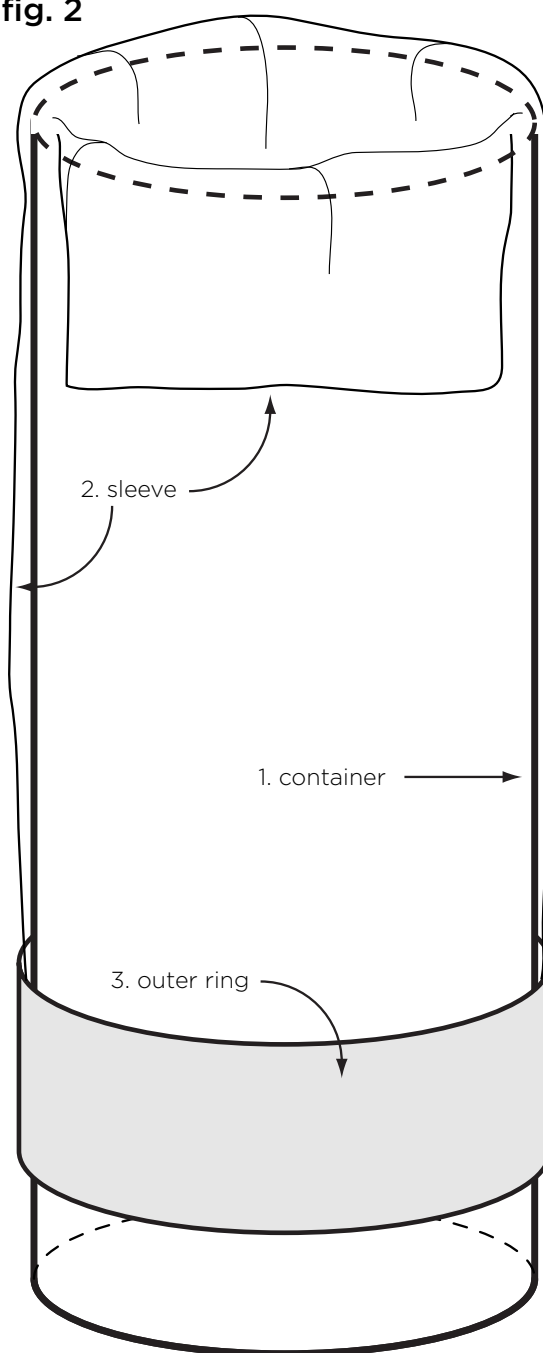


fig. 2



2

CUT-AWAY

