

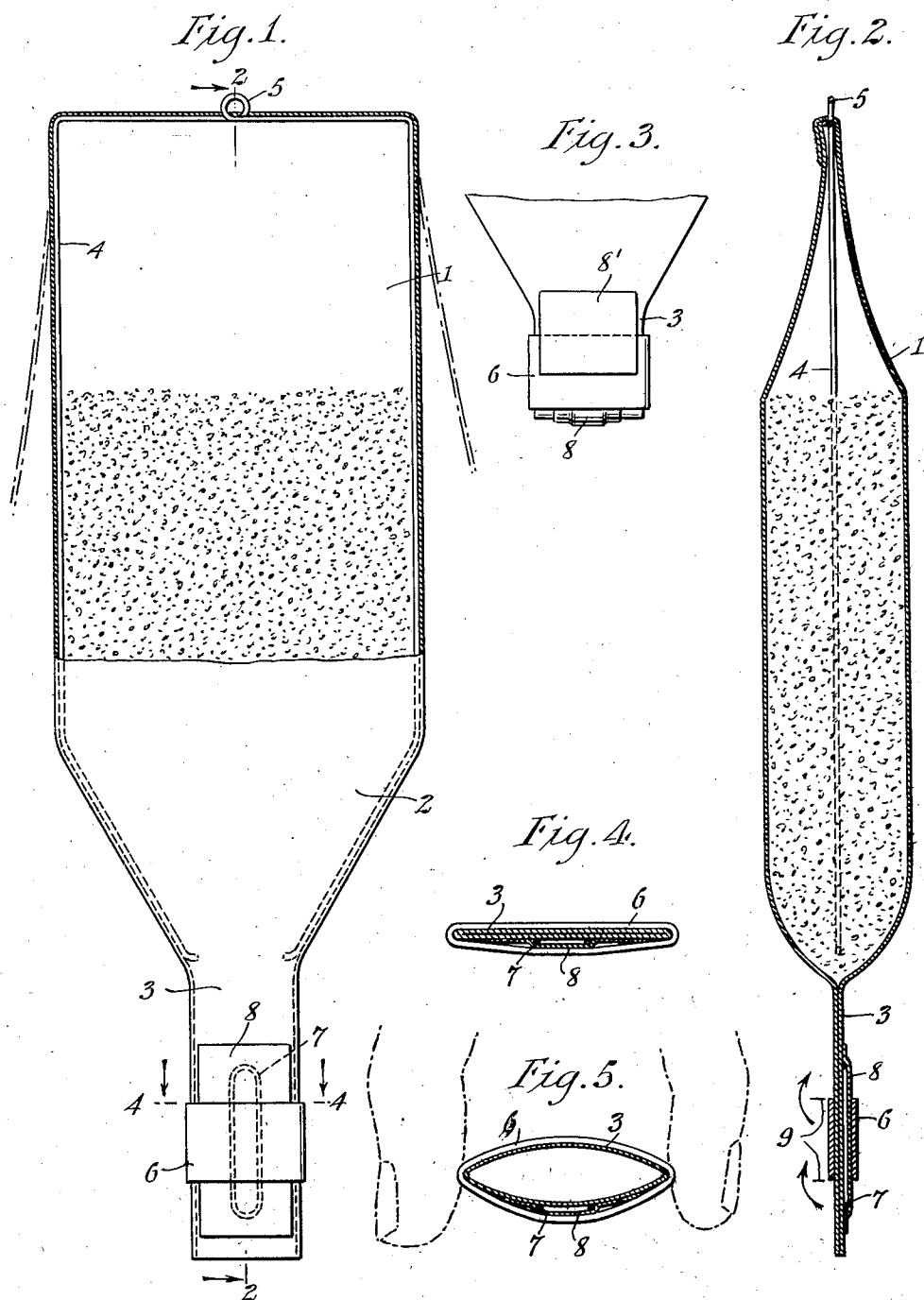
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CONTAINER FOR DRY MATERIAL

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CONTAINER FOR DRY MATERIAL

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2 Claims. (Cl. 229—53)

This invention relates to containers for dry material, and, more particularly, to an improved form of a bag or sack adapted to contain coffee, sugar, salt, or any other granular, dry material, which may be conveniently suspended from a support, and from which the contents may be readily dispensed in desired quantities.

A further object is to provide a container of this character which will keep the contents thereof free from contact with the outer air and yet permit desired quantities thereof to be discharged whenever desired.

A further object is to provide a container of this character which may be manufactured and sold at a reasonably low price and which will most efficiently perform the functions for which it is intended.

With these and other objects in view, the invention consists in certain novel features of construction and combinations and arrangements of parts, all of which will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawing—

Figure 1 is a view partly in elevation and partly in longitudinal section, illustrating my improved container;

Figure 2 is a view in longitudinal section on the line 2, 2 of Figure 1;

Figure 3 is a fragmentary view in elevation showing the end of the spout folded to close the same;

Figure 4 is an enlarged view in transverse section on the line 4, 4 of Figure 1;

Figure 5 is a view similar to Figure 4 illustrating the spout in open position.

1 represents my improved container, which, of course, may be of any shape desired but which is preferably of greater length than width and is formed at its lower end with a tapering portion 2 terminating in a spout 3. The container is closed throughout except where it communicates with the spout, and in the container a wire frame 4 is located conforming in general shape to the contour of the container and having an eye 5 formed on the frame which is projected through the upper end of the container and which is adapted to receive a nail or hook so as to conveniently suspend the container.

The wire frame 4 is a spring wire and its side members have a tendency to spring outwardly as indicated by the dot and dash lines in Figure 1. This tendency of the wire frame to spread holds the container flat when empty, but when filled the container swells outwardly and draws the ends of the wire frame inwardly and as the con-

tainer empties it will flatten as indicated at the upper portion of Figure 2. This wire frame tends to hold the container smooth and unwrinkled and it may be secured by adhesive or other means to the edges of the container if desired. Furthermore, it is understood that the upper end of the container may be effectually closed in any desired manner. I have illustrated the same as having flaps extending over and secured to the main portion of the container as shown clearly at the upper portion of Figure 2 and it is distinctly understood that where the eye portion 5 extends through the container the container is tightly closed in any approved manner. Furthermore, the ends or extremities of the frame are slightly bent inwardly to prevent any sharp contact with the walls of the container. The spout portion 3 is normally flat, that is, its side walls are normally together and are strengthened and held in this position by means of a collar 6 which is secured around the same. This collar 6 may be made of stiff, heavy paper or of any other suitable material having sufficient body to perform its function. A bendable strip or wire 7 of metal or other suitable material is positioned longitudinally of the spout extending through the collar 6 and preferably above and below the same and preferably covered by sheet 8 secured by adhesive to the spout. This bendable metal strip or wire 7 insures the spout remaining in the positions to which it is bent or folded, and I illustrate in Figure 3 the spout as folded on two fold lines and sealed by a fragile sheet 8' which is secured by adhesive over the folded spout to maintain it in such position. This sheet 8' is cut when the spout is to be opened. It is of course to be understood that the spout may be folded any number of times with the broad idea in view of forming a sufficient closure therefor, and the metal strip 7 will maintain the spout in its folded condition but permit it to be readily unfolded when desired, the reference character 9 indicating fold lines and the arrows in Figure 2 indicating the direction of folds. Assuming the device to be suspended from a suitable support and a portion of the contents desired, it is simply necessary to unfold the spout so that it is straight and then grip the stiffening collar 6 between the thumb and fingers as shown in Figure 5 and exert pressure thereon which causes the spout to open and allow as much of the contents to escape as may be desired. To stop the flow of material, the collar 6 and the spout beneath the same is tightly pressed together and while thus held the end portion of the spout below the

collar is bent on the lower line 9 (Figure 2); to effectually close the end of the spout against any possibility of the escape of the material and the entrance of air thereto it is necessary to fold the spout at least on one or more fold lines as above explained.

While of course the invention is not limited to the materials employed, it is possible that the container may be made of suitable paper so as to reduce its cost to a minimum and the contents may be sold therein in an original package or the container may be filled by the groceryman at the time of sale. In any event, the container will provide a convenient means for housing the contents and permitting the dispensing thereof conveniently and without undue exposure to the air.

While I have illustrated and described what I believe to be a preferred embodiment of my invention, it is obvious that various changes might be made in the general form and arrangement of parts without departing from my invention, and hence I do not limit myself to the pre-

cise details set forth but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claims.

I claim:

1. A container for dry material, including a receptacle, a normally flat spout on the receptacle, a length of bendable material fixed on the spout, a spring wire frame located in the receptacle and engaging walls thereof and holding the receptacle extended and unwrinkled, and an eye on the frame projecting through the upper end of the receptacle and adapted to receive a support.

2. A container for dry material, including a receptacle of flexible material having an outlet at its lower end, a spring wire frame located in the receptacle and engaging the walls thereof and holding the receptacle flat and unwrinkled, and means on the frame projecting outside of the receptacle for supporting the same.

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