

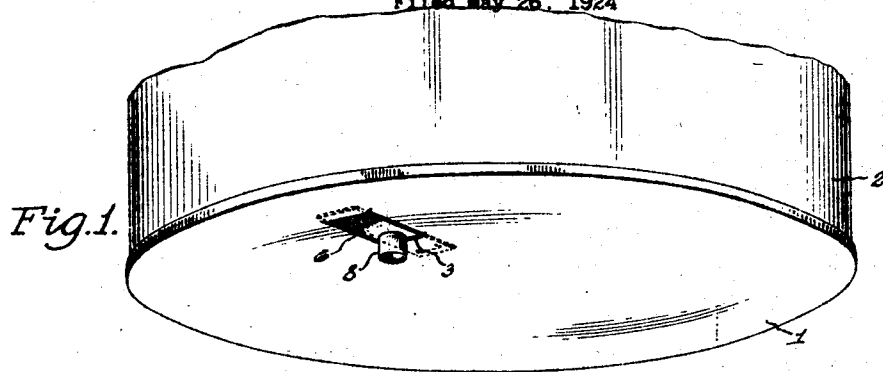
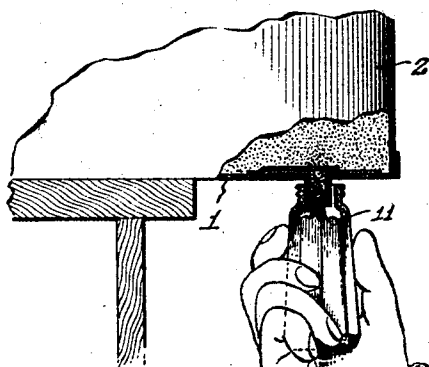
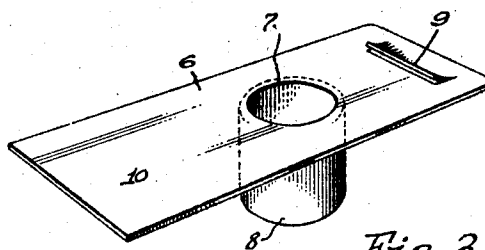
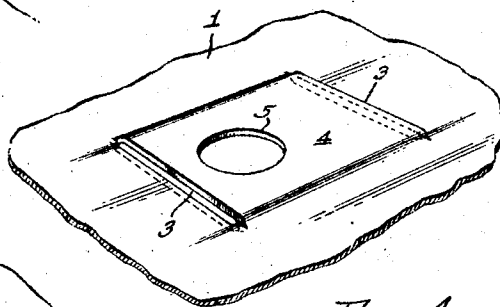
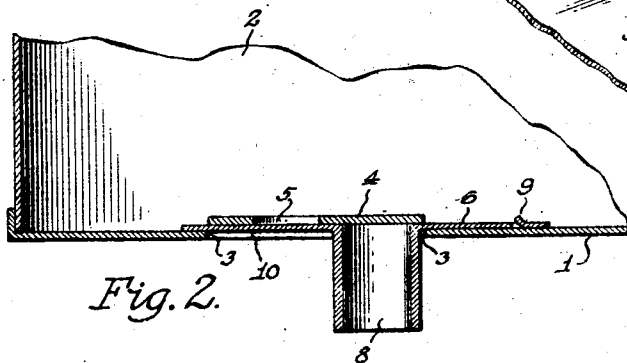
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J. J. GANNON

DISPENSER FOR GRANULAR MATERIAL

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UNITED STATES PATENT OFFICE.

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DISPENSER FOR GRANULAR MATERIAL.

Application filed May 28, 1924. Serial No. 715,989.

To all whom it may concern:

Be it known that I, JOSEPH J. GANNON, a citizen of the United States, residing at Port Huron, in the county of St. Clair and State of Michigan, have invented certain new and useful Improvements in Dispensers for Granular Material, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to a dispenser for granular material, and the primary object of my invention is to provide a simple, durable and inexpensive device that may be easily and quickly placed in engagement with a carton or other form of container to permit of the contents of the container being removed at will, in desired quantities.

Another object of this invention is to provide a dispensing device that may be retained by the user of granular material and applied to cartons or containers, whereby a single dispensing device may serve a large number of containers, although in some instances a dispensing device may accompany each container. For example salt is ordinarily sold in cardboard containers and these containers can be made to permit of my dispensing device being readily used. Ordinarily a restaurant or hotel purchases a large quantity of salt and ordinarily a large number of individual salt containers or shakers are to be filled. To economize and expeditiously do this, it is only necessary to install my dispensing device, which embodies a discharge spout and a closure, consequently the device can be easily manipulated to permit of desired quantities of salt being discharged from the large container into individual shakers.

Other objects and advantages are gained by the novel construction to be hereinafter described, and reference will now be had to the drawing, wherein—

Figure 1 is a perspective view of a portion of a container provided with a dispensing device in accordance with my invention;

Fig. 2 is an enlarged longitudinal sectional view of the dispensing device attached to a portion of the container with the device in a closed position;

Fig. 3 is a perspective view of a detached dispensing device;

Fig. 4 is a perspective view of an end or bottom wall of the container showing how it

is prepared to accommodate my dispensing device, and

Fig. 5 is a sectional view showing the manner of using the dispensing device.

The reference numeral 1 denotes, by the way of an example, the bottom or end wall of a container 2 adapted to hold salt or other granular material, and adjacent a marginal edge of a bottom wall 1 are parallel slits 3 providing a rectangular portion 4 that may be pressed inwardly so as to more or less open the slits 3 and form slots. The rectangular portion 4 is provided with an opening 5 adjacent one of the slits, and said slits and opening may be formed in the bottom wall 1, either by the manufacturer of the container or by the ultimate user of the container. In the former instance a temporary seal or label can be placed over the slits 3 and the opening 5 and in the latter instance the user may employ a knife or suitable tool to cut the bottom wall. Then again, in some instances, my dispensing device may accompany each container.

The dispensing device comprises a flat oblong closure member 6, preferably a metallic plate and said plate is provided with an opening 7 and a discharge 8 disposed at a right angle to the face of said closure member. The diameter of the opening 7 should correspond to or be slightly greater than the diameter of the opening 5 so that the opening 7 may readily register with the opening 5. At one end of the closure member 6 is an outstruck transverse abutment or lip 9, and the distance between this end of the closure member and the off side of the discharge spout 8 corresponds to the distance between the slits 3, so that the uninterrupted end 10 of the closure member can be inserted in the slit 3 adjacent the opening 5, and then the abutment end of the closure member 6 shifted into the other slit 3. With the bottom wall 1 of the container made of cardboard or the like material the bottom wall may have its rectangular portion easily sprung to permit of the closure member 6 being installed. With the closure member parallel to the rectangular portion 4 and the ends of the closure member resting on the inner face of the bottom wall 1, said closure member can be readily shifted, similar to a slide, by using the discharge spout 8 somewhat as a handle, and

this is particularly true when a salt shaker or individual container 11 is placed over the discharge spout, as shown in Fig. 5.

With the dispensing device installed, as best shown in Fig. 2, the closure member 6 can be shifted to aline the discharge spout 8 with the opening 5, said registration being indicated by the abutment 9 engaging the edge of the rectangular portion 4. Salt or granular material within the container 2 can readily flow through the opening 5 and the discharge spout 8 into the shaker 11 and when a sufficient quantity of salt has been obtained, it is only necessary to again shift the closure member 6 whereby the discharge spout 8 is moved away from the opening 5 and the inner end of said spout closed by the rectangular portion 4 of the bottom wall 1. Since the closure member 6 overlies the slits 3 and closes the slots formed by said slits there is no danger of leakage or waste.

Should the dispensing device be applied to the container by the manufacturer it can be sealed in a closed position by any suitable form or seal that can be easily broken by the ultimate user of the contents of the container, or as set forth in the beginning, the dispensing device can be furnished to the user along with a suitable tool by which the bottom wall of the container can be prepared to receive the dispensing device.

One embodiment of my invention has been

illustrated but it is to be understood that the structural elements are susceptible to such variations and modifications as fall within the scope of the appended claims.

What I claim is:

1. The combination of a container having a wall provided with slits and an opening between said slits, a closure member adapted to have its ends inserted in the wall slits so that said closure member may close the wall opening, and a discharge spout carrier by said closure member adapted to aline with the wall opening.

2. The combination called for in claim 1, wherein said wall slits provide a rectangular portion that may be pressed inwardly to permit of said closure member sliding against said rectangular portion.

3. The combination called for in claim 1, and an abutment on said closure member adapted to define an open position of said closure member.

4. The combination of a container having a wall provided with slits and an opening, a closure member adapted to have its ends inserted in the wall slits and a portion of said closure member close the wall opening, and a discharge spout carried by said closure member adapted to aline with the wall opening.

In testimony whereof I affix my signature.
JOSEPH J. GANNON.