

Feb. 18, 1930.

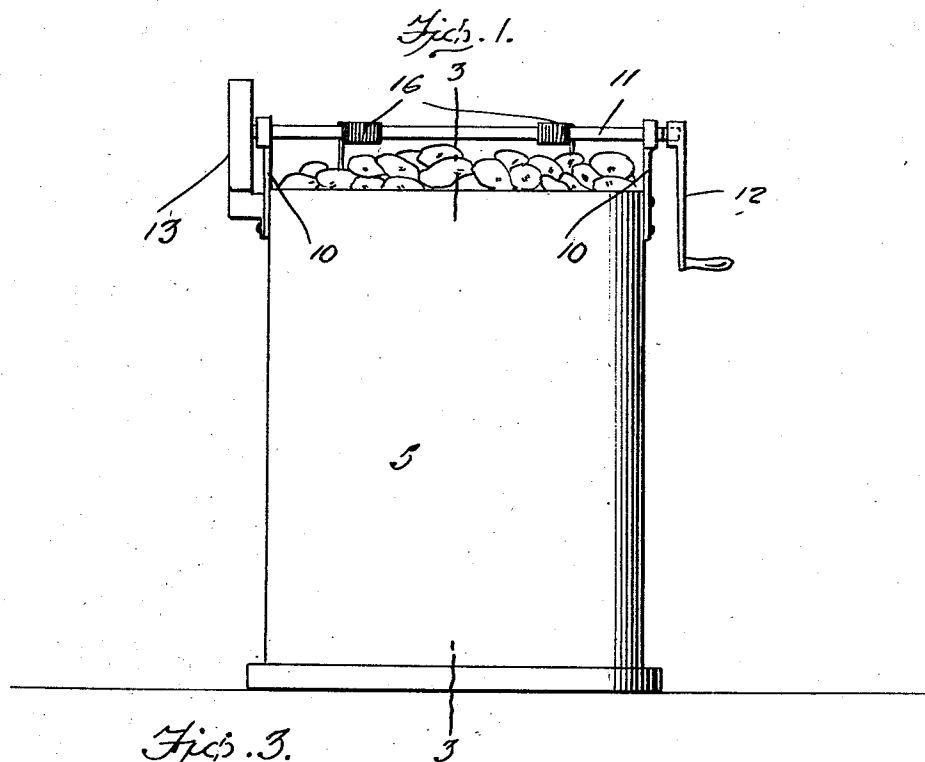
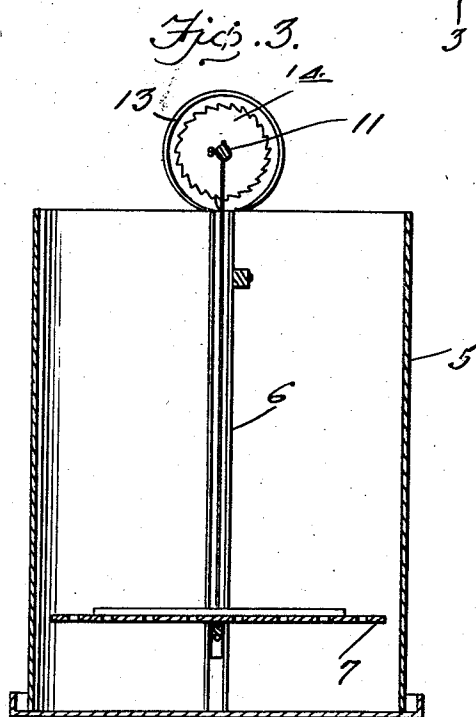
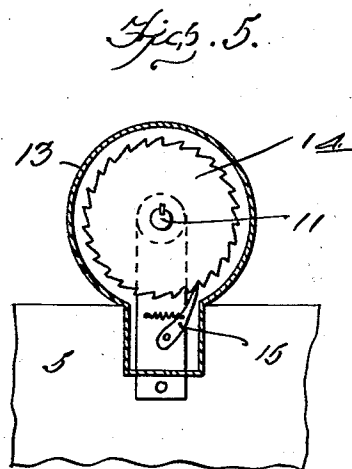
J. F. WEIDMANN

1,748,032

DISPLAY DEVICE FOR CONTAINERS

Filed Jan. 26, 1928

2 Sheets-Sheet 1



Inventor

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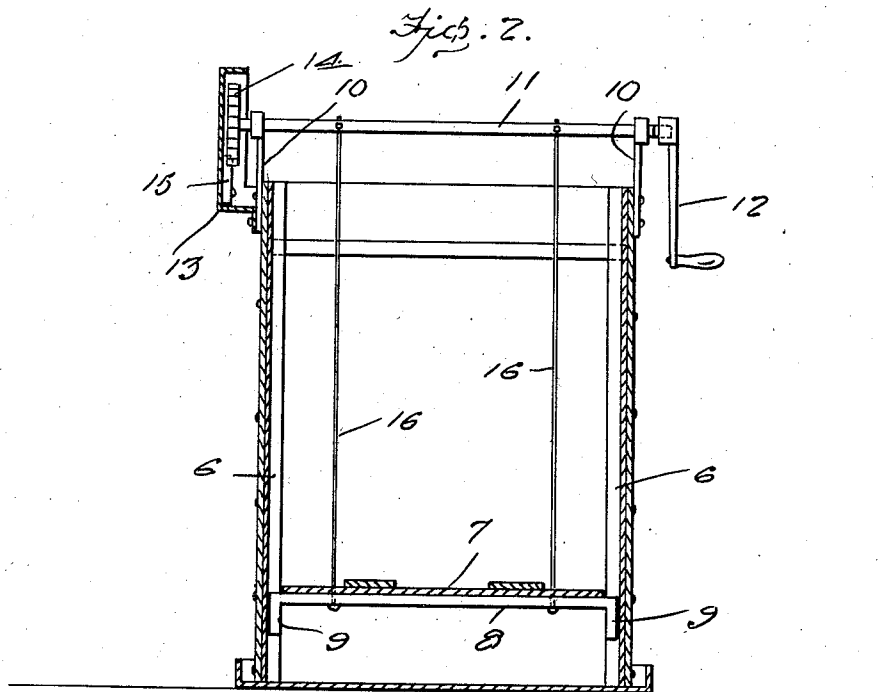
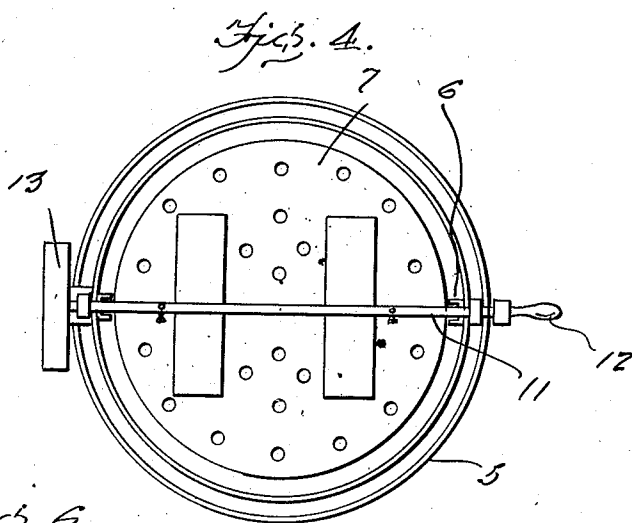
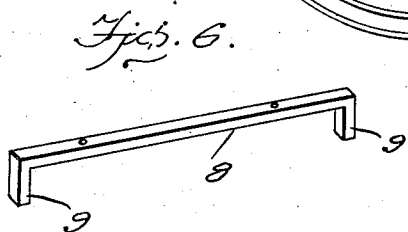
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DISPLAY DEVICE FOR CONTAINERS

Filed Jan. 26, 1928

2 Sheets-Sheet 2



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UNITED STATES PATENT OFFICE

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DISPLAY DEVICE FOR CONTAINERS

Application filed January 26, 1928. Serial No. 249,675.

This invention relates to new and useful improvements in display devices for containers, especially of the large cylindrical type, and aims to provide means for elevating potatoes, fruits, or any vegetables within the containers so as to give the appearance of a full container, and to permit the customer to readily view the contents of the container without peering over into the container.

In carrying out the present invention there is provided an especially constructed container having a false bottom wall or follower that may be readily raised or lowered by means at the upper end of the container so that the contents of the container may be raised as the same is taken therefrom.

One of the most important objects of this invention is to provide such a container that is of relatively simple construction and inexpensive of manufacture, the same embodying but few parts, and these so co-related as to reduce the possibility of disarrangement to a minimum.

With the foregoing and other objects in view as the nature of the invention will be better understood, the same comprises the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawings and claimed.

In the accompanying drawings wherein like reference characters indicate corresponding parts throughout the several views:

Figure 1 is a front elevation of my improved container.

Figure 2 is a detail vertical section thereof.

Figure 3 is a vertical section taken at right angles to Figure 2 and substantially upon the line 3—3 of Figure 1.

Figure 4 is a top plan view.

Figure 5 is an enlarged fragmentary section taken through the ratchet gear housing arranged at one end of a manual control shaft provided for the convenient raising of the false bottom wall or follower, and

Figure 6 is a perspective of a member associated with the false bottom wall or follower and slidably arranged at its opposite ends within the container to prevent rotation of the said wall or follower.

Now having particular reference to the drawings, 5 designates a container of predetermined capacity and preferably of cylindrical formation open at its upper end. Within this container 5 is a pair of opposed longitudinally extending guide channels 6—6, while arranged within the container and of a diameter less than the internal diameter of the container is a false bottom wall or follower 7 of circular shape preferably having ventilating openings therein as disclosed in Figure 2. Arranged upon the under side of this false bottom wall or follower is a cross bar 8, the opposite ends of which are down turned to provide lugs 9—9 slidable within the guide channels 6—6, this unit preventing the turning of the bottom wall or follower within the container.

Arranged at opposed points at the upper end of said container 5 is a pair of vertical arms 10—10 within the upper ends of which is journaled a cross shaft 11, one end thereof being shaped to receive a suitable handle 12 whereby the shaft may be rotated. At the opposite end of this shaft 11 there is attached to the container 5 a circular gear housing 13 open at its inner side, while keyed to the end of the shaft 11 within this housing is a ratchet gear 14 cooperating with which is a pivoted spring-actuated dog 15 to prevent the accidental rotation of the shaft 11 in one direction.

Interconnecting the shaft 11 and said false bottom wall or follower 7 is a pair of cords or cables 16—16 which when the shaft 11 is rotated will be wound thereon for obviously raising the false bottom wall or container and thus elevating the material therein so that said material will at all times be displayed as disclosed in Figure 1. Furthermore, by reason of this provision ready access may be had to the material within the container without requiring the storekeeper bending over and lifting the material out of the container.

Obviously by releasing the dog 15, the false bottom wall or follower 7 will drop to the bottom of the container so that the same may be completely filled with goods.

In view of the foregoing description when considered in conjunction with the accom-

panying drawings it will be apparent that I have provided a highly novel, simple and extremely useful display device for containers, and even though I have herein shown and described the invention as consisting of certain detail structural elements it is nevertheless to be understood that some changes may be made therein without affecting the spirit and scope of the appended claims.

10 Having thus described the invention, what I claim as new and desire to secure by Letters Patent is:—

1. In a display receptacle, a container open at its upper end, a pair of opposed longitudinally extending guide channels arranged on the inner side walls of the container, a false bottom arranged for vertical movement within the container and being of a diameter less than the distance between the innermost edges of the opposed guide channels, a cross bar secured to the under side of the false bottom, the ends thereof extending beyond the peripheral edge of the false bottom and adapted for slidable movement within the respective guide channels, said channels and the projecting end of the cross bar cooperating to prevent rotation of the false bottom within the container, and means at the upper end of the container whereby the false bottom may be raised.

2. In a display receptacle, a container open at its upper end, a pair of opposed longitudinally extending guide channels arranged on the inner side walls of the container, a false bottom arranged for vertical movement within the container and being of a diameter less than the distance between the innermost edges of the opposed guide channels, a cross bar secured to the under side of the false bottom, the ends thereof extending beyond the peripheral edge of the false bottom and adapted for slidable movement within the respective guide channels, said channels and the projecting end of the cross bar cooperating to prevent rotation of the false bottom within the container, a pair of arms extending upwardly from the upper end of the container at opposed points, a cross shaft journaled for rotation through the upper portions of said arms, a handle on one end of the shaft for actuating the same, a ratchet wheel secured on the other end of the shaft, a pivoted spring controlled dog for cooperation with the ratchet wheel to prevent rotation of the shaft in one direction, and a cable attached at its lower end to the false bottom and at its upper end to the shaft and adapted to be wound therearound when the shaft is rotated in one direction to raise the false bottom in the container.

In testimony whereof I affix my signature.

JOHN F. WEIDMANN.