

June 15, 1926.

W. W. SMITH

1,589,002

DISPLAY STAND FOR FAILS

Filed Feb. 1, 1924

3 Sheets-Sheet 1

Fig. 1.

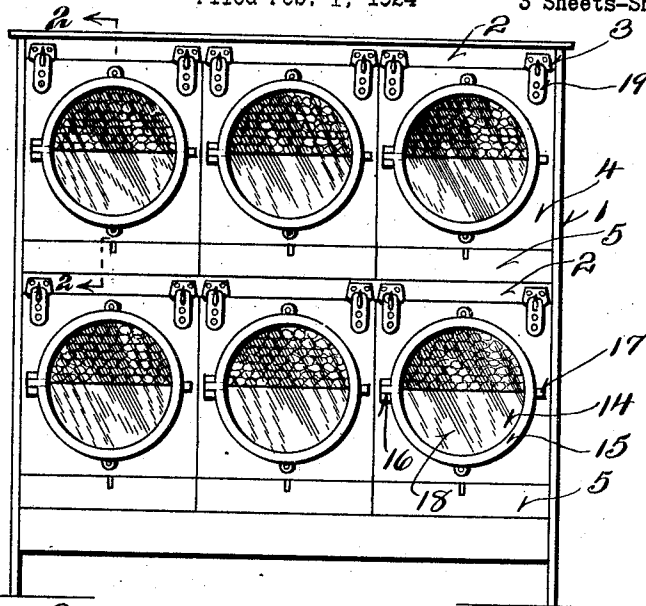
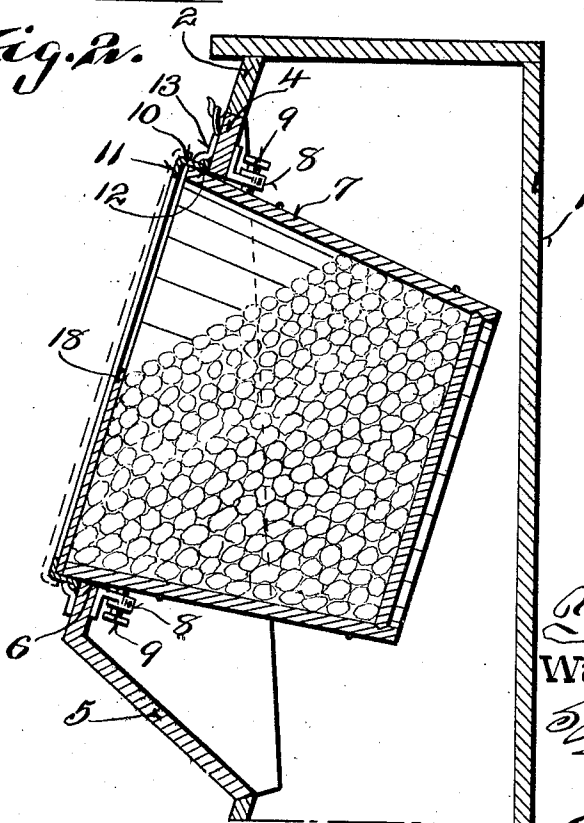


Fig. 2.



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3 Sheets-Sheet 2

Fig. 3.

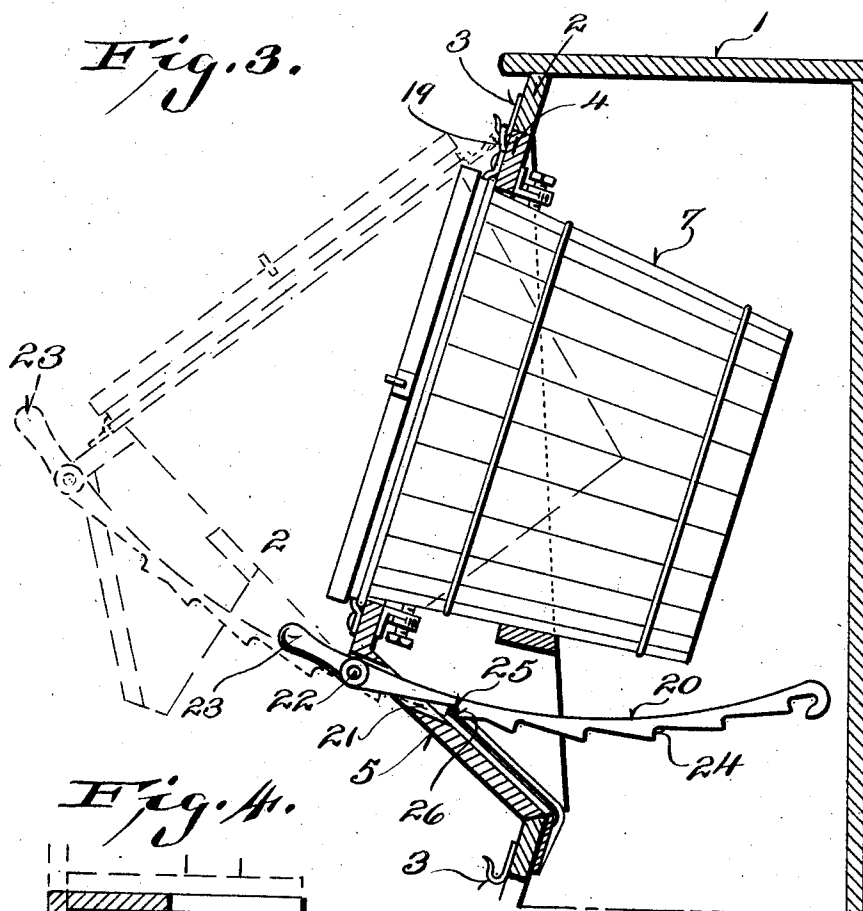
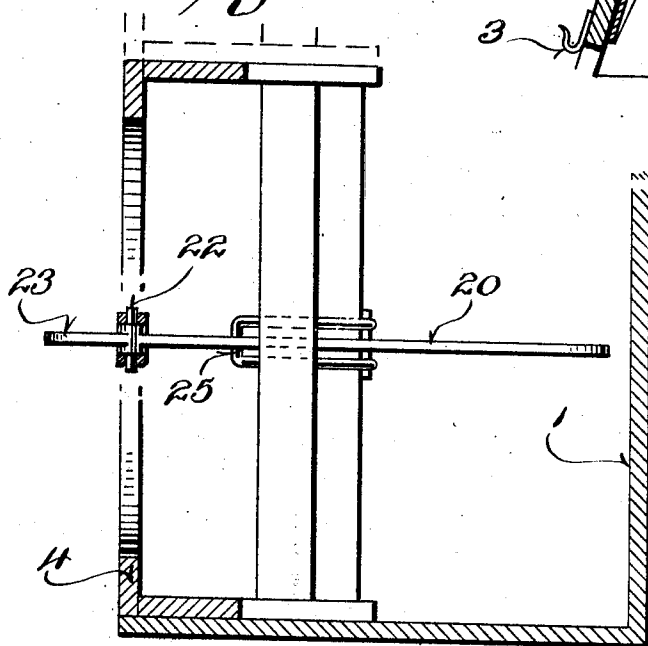


Fig. 4.



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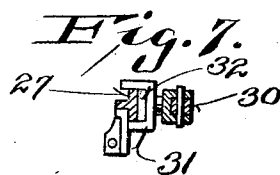
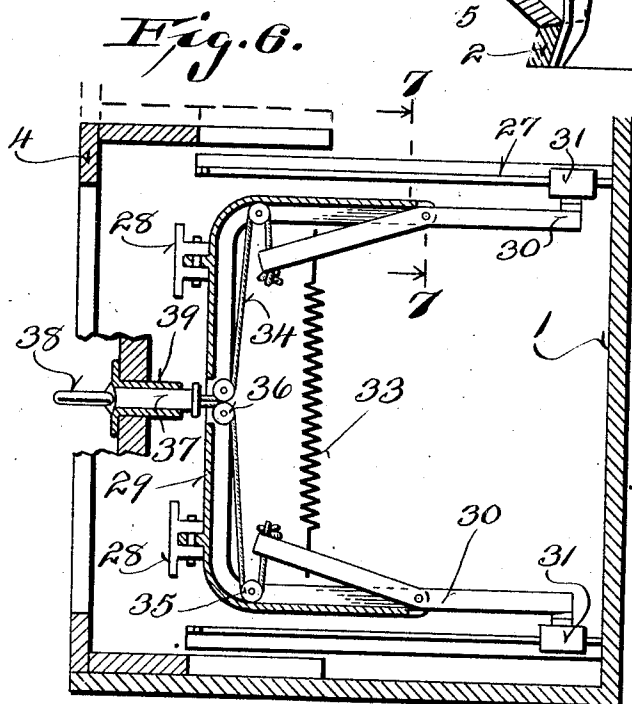
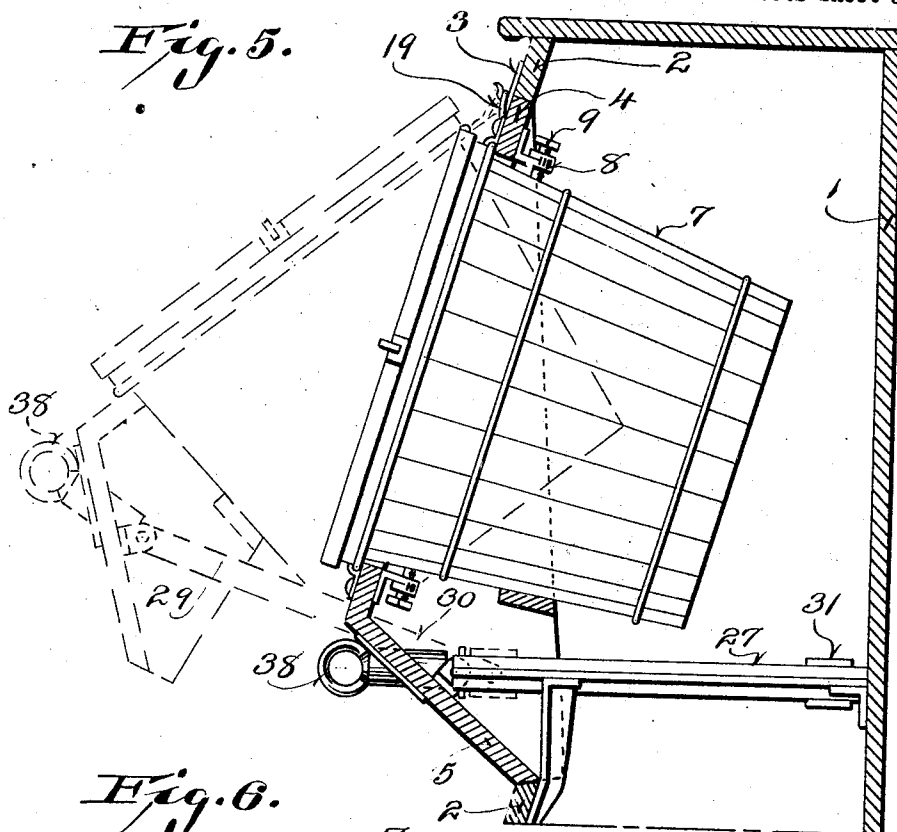
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DISPLAY STAND FOR PAILS

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3 Sheets-Sheet 3



Given for
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UNITED STATES PATENT OFFICE.

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DISPLAY STAND FOR PAILS.

Application filed February 1, 1924. Serial No. 689,905.

This invention relates to display stands for pails, such for example as candy pails.

Objects of this invention are to provide a display stand which will securely hold the candy pails, which may be easily manipulated to position and remove the pails, in which the contents of the pails may be displayed in a pleasing and attractive manner, in which the stand or portions thereof may be readily manipulated for dispensing the goods, in which the holding means for the pails may be adjusted and secured in any one of several positions, and in which the holding means for the pails may be locked in closed position.

Further objects are to provide a display stand for pails which may be cheaply manufactured in a simple manner and which is of substantial and rugged construction.

An embodiment of the invention is shown in the accompanying drawings, in which:—
Figure 1 is a front view of the display stand.

Figure 2 is a sectional view on an enlarged scale on the line 2—2 of Figure 1.

Figure 3 is a sectional view corresponding to that shown in Figure 2 showing one form of means for locking the supporting panel in any desired position of adjustment.

Figure 4 is a plan view of the locking means showing fragments of the associated parts of the stand.

Figure 5 is a view corresponding to Figure 3 showing a further form of locking means.

Figure 6 is a plan view partly in section of the locking means shown in Figure 5.

Figure 7 is a detailed section on the line 7—7 of Figure 6.

The display stand for the pails may comprise a cabinet or body portion 1 which has the supporting and movable panels arranged in one or more tiers. For instance, as shown in Figure 1, two rows or tiers are shown. The body portion 1 may be provided with transverse strips 2 which are provided with a plurality of hook like hinge elements 3.

The panels are of identical construction throughout the display stand and one only will, therefore, be described. The panel 4 consists of a front plate which may be joined if desired, to a rearwardly and downwardly slanting bottom member 5 (see Figure 2) which provides a finished appearance for the panel. This panel is provided with a circular aperture 6 of sufficient size to be passed over the outer or largest end of the pail 7.

Brackets 8 are provided on the inner side of the panel and are equipped with set screws 9 adapted to be forced into binding engagement with the pail and to thus retain the pail in position. Any number or relative arrangement of these brackets or set screws may be employed. For example, as shown in Figure 2, a pair of such members are used and are located one above the other, although, obviously, they may be located in a horizontal plane if desired. The pail is further held securely in position with reference to the panel 4 by means of the inner portion 10 of the cover, such inner portion being provided with an inwardly directed flange 11 which engages over the outer edge of the pail and is also provided with a beaded portion 12. This beaded portion is held by means of a plurality of clips 13 which are provided with suitably contoured portions to receive the bead. Any number of these clips may be employed and they may be arranged as desired.

The cover includes a transparent front plate 14 (see Figure 1) which is held by an annular ring 15 hingedly joined, as indicated at 16, to the inner member 10 of the cover. If desired, a suitable catch, as indicated at 17, may be employed for holding the movable portion of the cover closed.

It is contemplated arranging the front panels 4 and the strips 2 in a slanting manner, as shown in the drawings, to more effectively and attractively display the contents of the pails. When, however, the pails are first used and are substantially full of candy or other goods, a partition 18 may be placed between the outer edge of the pail and the flange 11 of the cover to act as a dam to retain the candy against rolling outwardly, as shown in Figure 2.

It is intended that when the panels are positioned over the pails or are detached therefrom that they shall be removed from the main body of the display stand to facilitate such operation. To this end, therefore, the panels are each provided with a pair of hinge elements 19 which cooperate with the hinge elements 3 in a well known manner and, as illustrated in the drawings. Thus when it is desired to replace an empty pail with a fresh pail, it is merely necessary to rock the particular panel 4 outwardly and to

unhook the elements 19 thereof. Thereafter, the panel with the fresh pail may be positioned in operative relation to the body portion of the cabinet or stand. Obviously, it is desirable in dispensing the goods to provide means for holding the panels outwardly at the desired angle to facilitate such dispensing. Several means may be employed to accomplish this result and in the drawings I have illustrated two of the mechanisms which have been advantageously employed although, obviously, other means might be used.

Figure 3 showing one form of the locking means for holding the panel in its adjusted position will first be described. In this figure an arm or lever 20 is freely passed through a slot 21 formed in the lower portion 5 of the panel and is pivotally mounted, as indicated at 22, upon the forward side of the member 5. A manipulating handle of inconspicuous proportions, as indicated at 23, is preferably formed integrally with the arm or lever 20. This lever is provided with a plurality of teeth 24 which form notches adapted to engage a member 25 carried by the lower transverse strip 2 and to thus lock the panel in any one of a plurality of outwardly adjusted positions. It is to be noted that, particularly when a fresh pail is handled, the center of gravity of the pail and panel lies inwardly of a vertical line drawn through the hinge members 3 and 19 and consequently the panel tends to swing outwardly. To prevent this, the outermost notch 26 is formed in a reverse direction to the notches 24 and is utilized to lock the panel in closed position.

It is to be clearly understood that the curved type of member 20 may be varied and that also the contacting portion or stationary portion 25 may also be modified. It is intended, therefore, that these elements be interpreted merely as illustrative of the general principle rather than as exact details of the construction. For example, the lever 20 could easily be set to the side of the pail 7 and could thus provide additional room for the pail or else the entire device could be shortened.

In the modified form shown in Figures 5 and 6, the same general construction of panel and body portion are employed although a different means for adjustably locking the panel is provided. In this form of the invention, a pair of rails 27 are secured in any suitable manner to the body portion 1 and are, therefore, relatively fixed elements. The panel 4 is provided with brackets 28 which pivotally support a U-shaped frame 29. This frame may be of rod like formation or, as shown in Figure 6, may be of channel iron construction. The outer ends of the arms of the frame 29 pivotally support levers 30. The rear ends

of the levers 30 are provided with shoes 31 which are of substantially U-shape, as shown in Figure 7 and slidably engage the rails 27. If desired, a suitable line 32 may be provided for these shoes,—for instance ordinary brake lining could be readily employed. The forward ends of the levers 30 are joined by a tension spring 33 and consequently the shoes 31 are held in their outermost position in binding engagement with the rails 27. The outer ends of the levers 30 are further provided with cords or chains 34 which, after passing over sheaves 35, carried by the frame 29, extend inwardly. Thereafter, these cords pass over guiding sheaves 36 and pass outwardly to a plunger or rod 37 equipped with a manipulating handle or eyelet 38 and slidably mounted in a sleeve 39 carried by the panel 4, as shown in Figure 6.

In operating the last described device, it is merely necessary, when it is desired to swing the panel outwardly, to grasp the eyelet 38 and draw the panel forwardly by means of such eyelet. The cords 34 are tensioned and thus rock the levers 30 thereby drawing the shoes 31 from binding engagement with the rails 27. When the tension on the cords is released, the levers move into the position shown in Figure 6 and the shoes again grip the rails thus locking the panel in its adjusted position. Thus means are provided for adjustably locking the panel in any one of several positions and for locking it in closed position. Obviously a pivoted lever could be connected with the cords 34 and substituted for the member 37 without departing from the spirit of the invention.

It will be seen, therefore, that a display stand for pails has been provided in which individual panels are furnished for each of the several pails, in which the panels may be removed when substituting fresh pails, and in which the pails and panels may be held in any one of several positions of adjustment or may be locked in their innermost position.

Although the invention has been described in considerable detail, it is to be understood that the invention may be variously embodied and is, therefore, to be limited only as claimed.

I claim:

1. A display stand for pails comprising a body portion, a plurality of panels hingedly mounted thereon adjacent their upper edges and adapted to normally hang downwardly, means carried by each panel for holding a pail temporarily rigid with the panel, and automatic means associated with each panel for temporarily holding the panel outwardly in any of a plurality of positions of angular adjustment.

2. A display stand for pails comprising a

body portion, a plurality of panels hingedly
mounted thereon adjacent their upper edges
and adapted to normally hang downwardly,
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5 pail temporarily rigid with the panel, auto-
matic means associated with each panel for
temporarily holding the panel in any of a
plurality of positions of angular adjust-
ment, and a handle located exteriorly of
each panel and operatively connected to and 10
controlling the corresponding automatic
means and for manipulating such panel.
In testimony that I claim the foregoing
I have hereunto set my hand at Gillett, in
the county of Oconto and State of Wis- 15
consin.

WALTER W. SMITH.