Oct. 16, 1923. 1,470,900

M. J. WEST

DISPLAY AND DISPENSING DEVICE

Filed May 14, 1921

FIG. 1

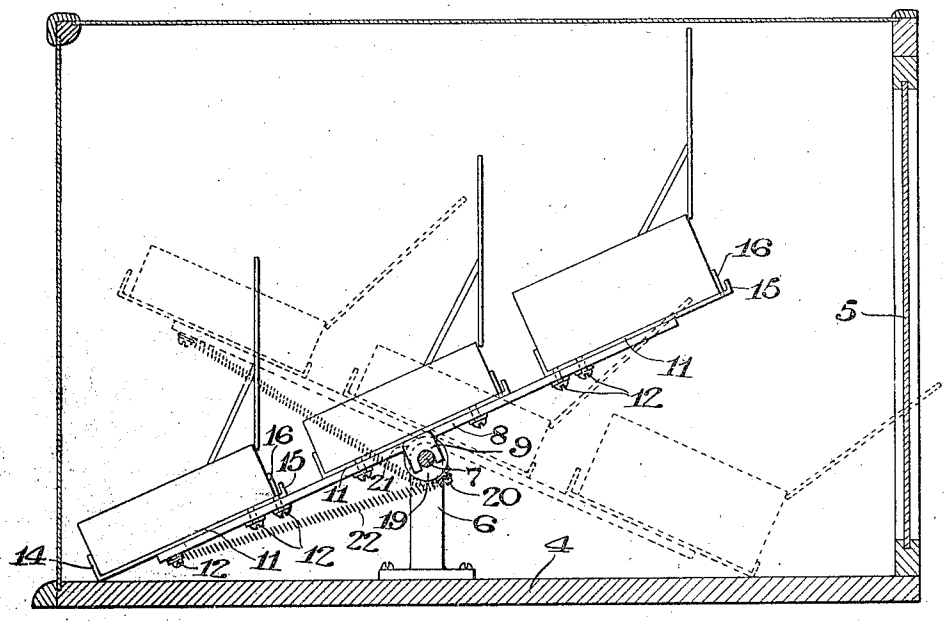


FIG. 2

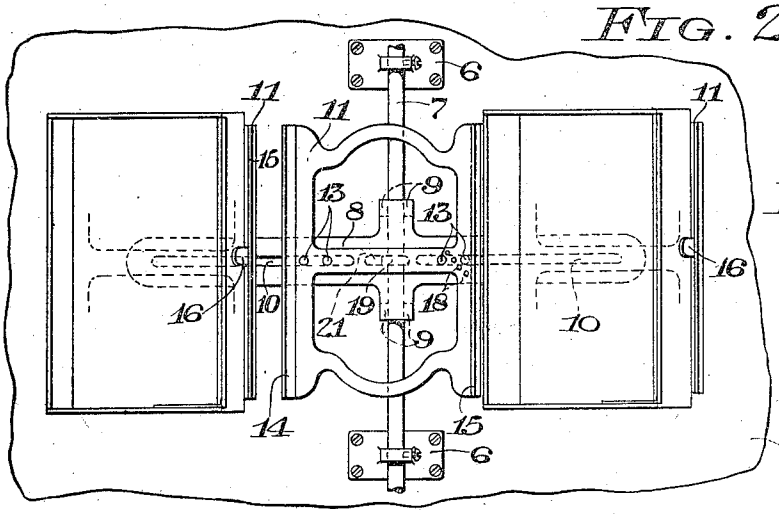
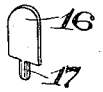


FIG. 3



WITNESSES

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UNITED STATES PATENT OFFICE.

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DISPLAY AND DISPENSING DEVICE.

Application filed May 14, 1921. Serial No. 469,524.

To all whom it may concern:

Be it known that I, MERLE J. WEST, a citizen of the United States, and resident of Milwaukee, in the county of Milwaukee and State of Wisconsin have invented new and useful Improvements in Display and Dispensing Devices, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

The invention relates to display and dispensing devices, and more particularly to devices for the displaying and dispensing of cigars or other goods sold from boxes.

As cigars are usually sold in cigar stores and news stands, the boxes are arranged in rows on the bottom of the case, with several boxes in each row which makes it difficult to remove the boxes situated in the front part of the show case and which does not display the cigars to good advantage. The object of this invention is to provide an inclined support for each row of cigar boxes and permit this support to be tipped so as to bring the boxes to a position where they may be readily removed by the storekeeper.

The invention further consists in the several features hereinafter set forth and more particularly defined by claims at the conclusion hereof.

In the drawings: Fig. 1 is a side view of a device embodying the invention; Fig. 2 is a plan view thereof; Fig. 3 is a detail view of a back stop.

The numeral 4 refers to a show case of conventional design having glass front and top and a door 5 at the rear. Upon the bottom of this show case I mount, at spaced intervals, a number of upright brackets 6 which support a rod 7 extending lengthwise of the show case. The number of brackets 6 used will depend upon the length of the show case.

Upon the rod 7 at spaced intervals I mount supports 8. Each of these supports is provided with a set of depending ears 9 to fit over the rod 7 and so that the support may tilt thereon, and also with lengthwise extending slots 10.

Box rests 11 are adapted to be clamped to each support by screws 12 passed through the slots 10 and into tapped holes 13 in said rests. Two sets of these holes 13 are provided at each end of the rest so that different arrangement of the rests may be secured on the support. I have shown three rests mounted on the support, but four rests may be used on this support, where the show case permits, by inserting the screws 12 in the proper holes 13. Each rest 11 is in the form of a skeleton frame having a front ledge or flange 14 and a rear ledge or flange 15. The distance between the flanges 14 and 15 is such as to accommodate the widest cigar box handled by the dealer and to hold this box loosely between these flanges so that the box may be readily lifted off the rest. Where the rest is used with narrower boxes adjustable back stops 16 may be used if desired, said stops having pin shaped ends 17 adapted to fit in any one of a series of holes 18 in the back portion of each rest and in this case also it is preferred to have the box fit loosely between the flange 14 and the stop 16.

Where the support 8 fits over the rod I provide a collar 19 clamped to said rod by a set screw 20 and fitting into a short slot 21 in the support so as to prevent lateral movement of said support with respect to said rod. In order to positively hold the support 8 in an inclined position with its front end tilted forwardly to display the cigars in the boxes on the rests to the best advantage, I connect one end of a coiled spring 22 to the front end of the support and the rear end of said spring to the projecting end of the set screw 20, which screw is set to project rearwardly whereby the spring always exerts a tension on the forward end of the support. The rear end of the spring is looped so that it may be readily slipped off the set screw when it is desired to remove the support from the rod 7.

With this construction the boxes of cigars in each row are displayed in tiers so that their contents may be readily seen by the buyer and when the storekeeper desires to dispense a cigar from any one of the boxes in a row he tips the support backwardly, as shown in the dotted line position in Fig. 1, and in this position any one of the boxes may be removed from its rest, taken out of the show case and offered to the purchaser so that he may make his selection. It will be observed that this backward tilting of the support permits ready removal or replacement of any of the boxes upon their rests.

It will be understood that the rests 11 may be integral with the support 8 and that other changes are possible without departing from the broad idea of the invention. I therefore desire it to be understood that this invention is not to be limited to any specific form or arrangement of parts except in so far as such limitations are specified in the claims.

What I claim as my invention is:

1. The combination, with a show case, of a pivot member supported above the bottom of said case, a support tiltably mounted on said member and liftable therefrom for removal and having rests to receive a row of boxes, said support being tiltable forwardly to a display position or rearwardly to a dispensing position.

2. The combination, with a show case, of a tiltable support within the show case, means for pivoting the intermediate portion of said support above the bottom of the show case, said support being provided with box rests for a row of boxes, and means for moving said support to and normally holding its forward end in a downwardly inclined position to display the contents of said boxes, said support being tiltable to a reverse position for removal of any one of the boxes therefrom from the rear of the show case

3. The combination, with a show case, of a tiltable support within the show case, means for pivoting the support above the bottom of the show case, said support having rests for a row of boxes, and spring means for normally holding the forward end of the support in a downwardly inclined position to display the contents of said boxes, said support being tiltable to a reverse position for removal of any one of the boxes therefrom from the rear of the show case.

4. The combination, with a show case, of a rod supported above the bottom of said case, a support tiltably mounted on said rod, a plurality of box rests for a row of boxes adjustably secured to said support, means for preventing lateral movement of said support with respect to said rod, and means for moving said support to and normally holding it in a forwardly inclined display position.

5. The combination with a show case, of a pivot member supported above the bottom of the show case, a support tiltably mounted on said member, a plurality of box rests adjustably mounted on said support and having upturned portions forming stops, stops adjustably mountable in said box rests, said support being tiltable forwardly to display the contents of the boxes on said rests and to a reverse position for removal of any one of the boxes therefrom from the rear of the show case, and means for normally holding the support and rests in a display position.

6. The combination with a show case, of a rod supported above the bottom of and extending lengthwise of the show case, a tiltable support having a forked portion engaging said rod and a recess, said rod having a part engageable in said recess to prevent lateral movement of said support with respect to said rod, said support having rests for a row of boxes, and means for normally holding the forward end of the support in a downwardly inclined position to display the contents of said boxes, said support being tiltable to a reverse position for removal of any one of the boxes therefrom from the rear of the show case.

In testimony whereof I affix my signature.

MERLE J. WEST.