

June 8, 1926.

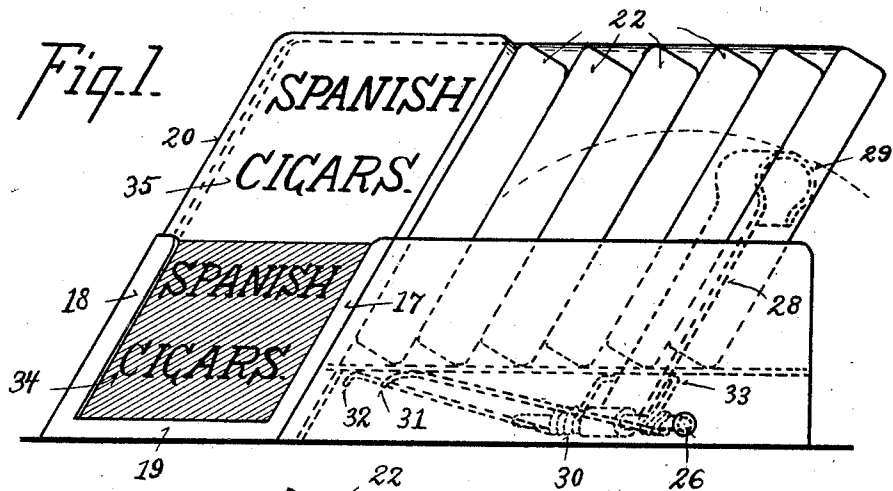
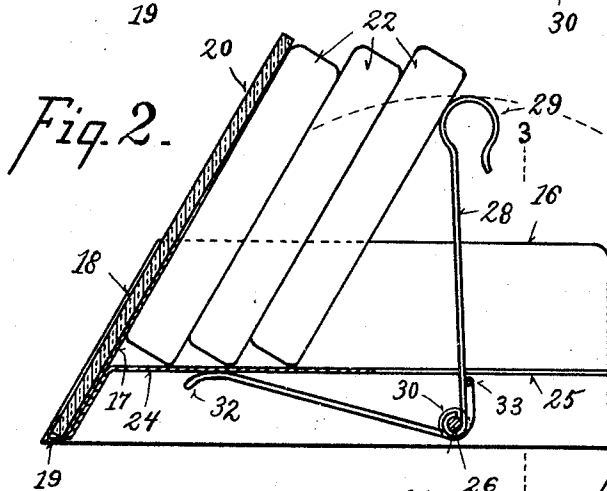
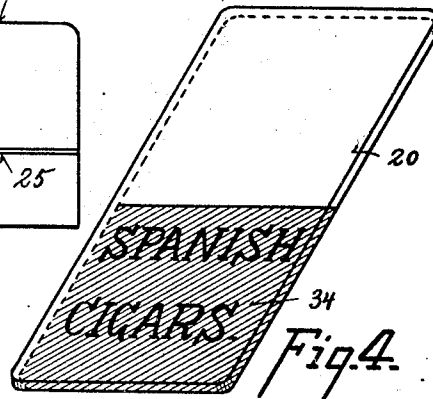
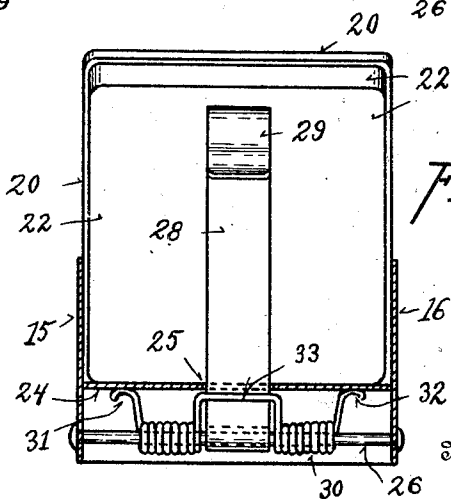
1,587,936

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DISPLAY AND VENDING APPARATUS

Filed Sept. 13, 1923

2 Sheets-Sheet 1



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Fig. 6-

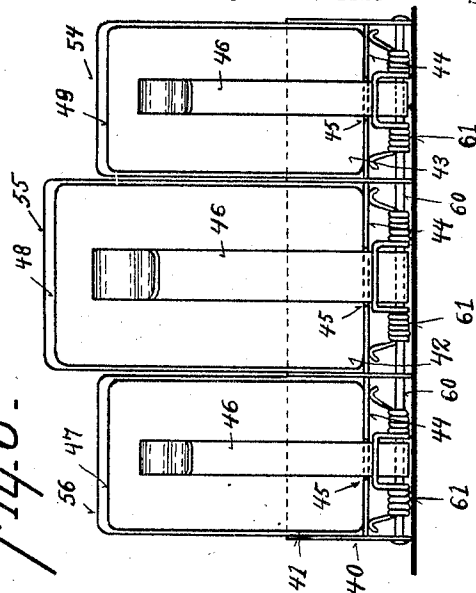
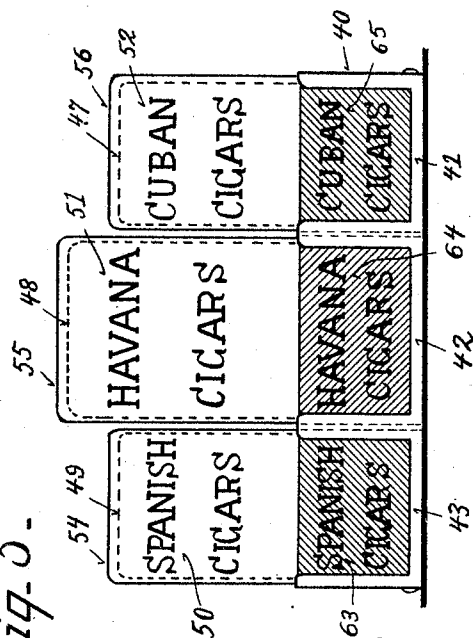


Fig. 5-



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UNITED STATES PATENT OFFICE.

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DISPLAY AND VENDING APPARATUS.

Application filed September 13, 1923. Serial No. 662,499.

My invention relates to improvements in display and vending apparatus, one of its objects is to provide an improved display and vending apparatus adapted to hold a plurality of packages in either paper or metal containers, as for instance packages of cigarettes or smoking tobacco, so as to display the goods to advantage and to facilitate the detachment and removal of said packages successively for vending purposes. Another object is to provide an improved holder for a series of packages adapted to hold the packages in place against accidental detachment, or a too ready unauthorized detachment, and at the same time to facilitate successive detachment by an authorized person for vending purposes. Another object is to provide improved apparatus to yieldingly hold a plurality of packages for vending purposes and to facilitate successive removal of the packages without liability to injure the packages or the contents thereof. My invention also comprises certain details of form, and combination of components, all of which will be fully set forth in the description of the accompanying drawings in which:

Fig. 1, is a perspective view of my improved apparatus with packages to be vend-
ed in position therein.

Fig. 2, is a central longitudinal section through the same.

Fig. 3, is a vertical transverse section taken on line 3—3 of Fig. 2.

Fig. 4, is a perspective view of the advertising plate detached.

Figs. 5 and 6 are front and rear elevations of a modification.

The accompanying drawings illustrate the preferred embodiment of my invention, in Figs. 1 to 4 of which 15 and 16 represent the side plates and 17 the end plate of the main frame or container. The end plate 17 is preferably provided with side channels 18 and a bottom channel 19 to receive and guide the edges of a detachable advertising plate 20, as for instance a panel of plate glass, see Fig. 4, to the rear lower face of which advertising matter in colors is preferably applied, and through the clear upper portion of which the advertising matter on one of the packages 22 to be vended

is displayed. The main frame is provided with an elevated or false bottom 24 provided centrally at its rear end with a slot 25 longitudinally thereof. A cross-bar 26 extends from one side plate to the other below the bottom plate 24. A resiliently energized arm or lever 28 is pivotally mounted upon the cross-bar 26 and its upper end is formed into a loop 29 which serves to engage the rear face of the rear package 22 to compress the several packages 22 together and against the end plate 17 and rear face of the panel 20, so as to yieldingly hold the several packages 22 in place with reference to the main frame. A spring 30, as for instance a grasshopper spring, is coiled upon the cross-bar 26 with its ends 31 and 32 bearing against the under face of the bottom 24, while its central portion 33 bears upon the lever 28 to yieldingly hold the lever 28 in engagement with the packages 22. The finger of the operator is adapted to be inserted into the eye of the loop 29 in order to conveniently draw the lever away from the end plate 17 while inserting a fresh supply of packages 22.

In practice the main frame is mounted upon a counter or show-case with the advertising panel 20 toward the prospective customers where the colored advertising matter 34 and also the advertising matter 35 upon the face of the forward package 22 are both upwardly directed and both displayed through the glass panel which serves to protect them from dust and dirt, and to add a luster and appearance thereto which would be otherwise wanting. Either paper covered packages 22 or metal covered packages 22 may be displayed, as desired, and a series of either metal or paper covered packages held in place by the lever 28 as may be desired. The packages being yieldingly held in place are not liable to be detached and scattered about in the event of the main frame being accidentally upset, and also the packages 22 are not liable to be noiselessly detached by unauthorized persons while the attention of the clerk or proprietor is otherwise directed. The lever 28 continues to advance toward the end plate 17 as successive packages 22 are detached and hence continues to hold the remaining

packages in place until the last package has been vended. The panels 20 being detachable and interchangeable enable the main frame to be employed successively to vend packages of different grade or character.

In the modification Figs. 5 and 6 I have shown a main frame 40 having three package holding compartments 41, 42, and 43, which may be of different sizes and designed to hold packages of the same or different kind or grade of articles to be vended. Each compartment is provided with a floor 44 having a slot 45 longitudinally thereof corresponding with the slot 25 of Figs. 2 and 3, and a resiliently energized lever 46 corresponding to the lever 28 of Figs. 1, 2, and 3 mounted on a rod 60 and energized by a spring 61 to yieldingly and independently hold a series of packages 47, 48, and 49 in position in the respective compartments 41, 42, and 43 to advantageously display the packages and the advertising matter 50, 51, and 52 respectively displayed thereon. A series of detachably transparent advertising panels 54, 55, and 56 provided each with advertising matter 63, 64, and 65 corresponding to the panel 20 of Figs. 1, 2, and 4 are mounted as and for the purpose heretofore described before the several compartments.

The apparatus herein shown and described is capable of considerable modification within the scope of the claims without departing from the spirit of my invention.

What I claim is:

1. A display and vending apparatus comprising a main frame provided with a compartment adapted to support therein in series arrangement a plurality of packages to be vended, said compartment being open at the top and having side walls and one end wall, a plate detachably mounted in guides upon said end wall and having a transparent section extending above said end wall to form a support for the upper portions of said packages and through which advertising matter upon said packages is exposed to view, and a resiliently actuated member movable toward said end wall and adapted to resiliently compress a series of packages to be vended together and between said resiliently actuated member and said end wall and advertising plate, said packages being adapted to be successively detached without disturbing the resilient tension upon the remaining packages or the advertising display through the transparent section of said plate.

2. A display and vending apparatus comprising a main frame having side walls and one inclined end wall forming a compartment adapted to support therein in series arrangement a plurality of packages to be vended, said compartment being open at the top, a plate detachably mounted upon

said end wall and having a transparent section extending above said end wall to form a support for the upper portion of said packages and through which advertising matter upon said packages is exposed to view, and a resiliently actuated member pivotally attached to said main frame near its base and movable toward said end wall to resiliently compress a series of packages to be vended together and between said resiliently actuated member and said end wall and detachable plate to adapt said packages to be successively detached without disturbing the resilient tension upon the remaining packages or the advertising display through the upper portion of said advertising plate.

3. A display and vending apparatus comprising a main frame provided with side walls, one end wall and a bottom elevated above the base of said frame to form a compartment open at the top and adapted to support therein above said bottom plate in series arrangement a plurality of packages to be vended, the bottom of said compartment being slotted longitudinally thereof, a plate detachably mounted upon said end wall and having a transparent section extending above said end wall to form a support for the upper portion of said packages and through which advertising matter upon said packages is exposed to view, and a resiliently actuated member pivotally attached to said main frame below said bottom plate and movable in the slot of said bottom plate toward said end wall and adapted to resiliently compress a series of packages to be vended together and between said resiliently actuated member and said end wall and advertising plate to adapt said packages to be successively detached without disturbing the resilient tension upon the remaining packages.

4. A display and vending apparatus comprising a main frame having a plurality of adjacent compartments each having side walls, an end wall and a bottom plate elevated above the base of said frame each of said compartments being open at the top and adapted to support therein above its bottom plate in series arrangement a plurality of packages to be vended, and said bottom plates being slotted longitudinally thereof, an independent plate detachably mounted upon the end wall of each of said compartments and having a transparent section extending above said end wall to form a support for the upper portion of the packages in said compartment and through which the advertising matter upon said packages is exposed to view, and an independently resiliently energized lever for each of said compartments pivotally attached to said main frame below said bottom plate and movable in the slots of said bot-

tom plates toward said end walls and adapted to respectively resiliently compress a series of packages to be vended together and between a resiliently actuated member and an end wall and advertising plate to adapt
5 said packages to be successively detached without disturbing the resilient tension upon the remaining packages or the advertising display through the upper portion of said advertising plates. 10

In testimony whereof I have affixed my signature.

EDWARD BRUNHOFF.