Dec. 25, 1945. M. L. GOLDBERT 2,391,453

DISPLAY CONTAINER

Filed April 20, 1943 2 Sheets-Sheet 1

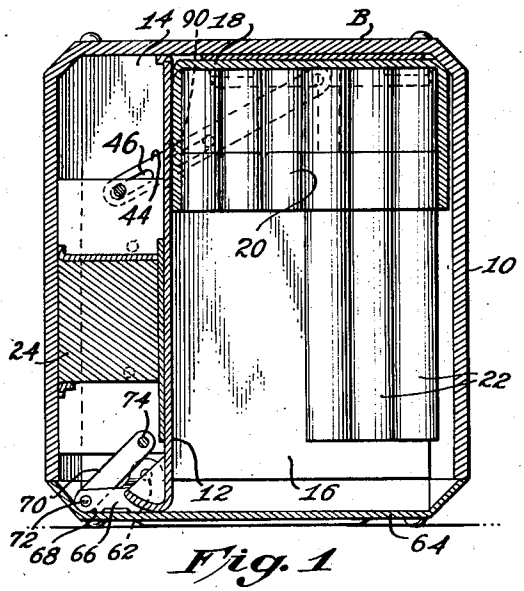


Fig. 1

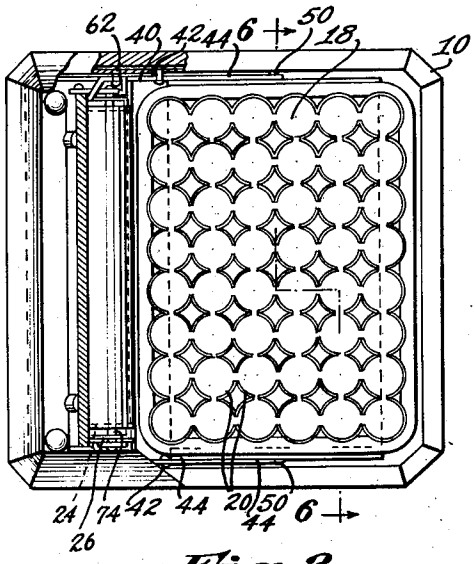


Fig. 3

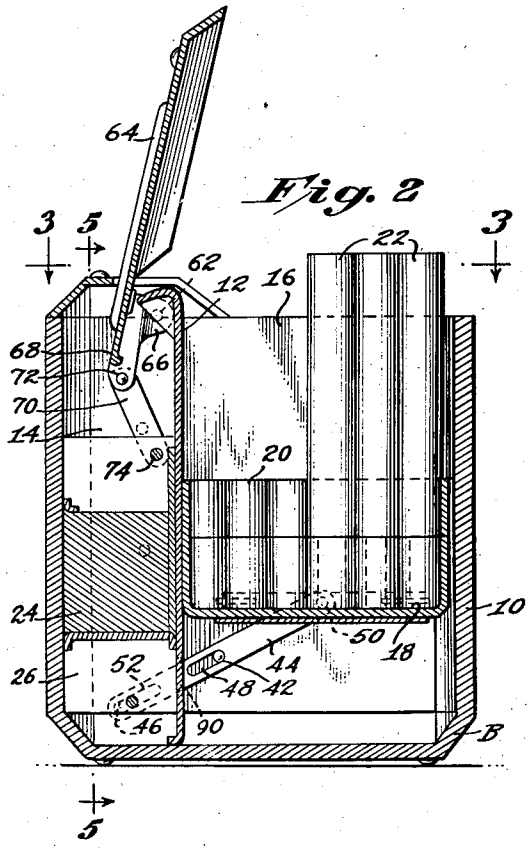


Fig. 2

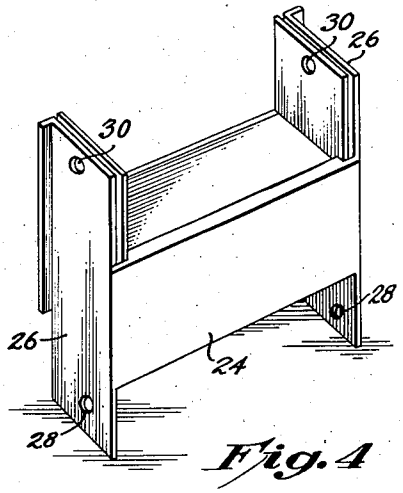


Fig. 4

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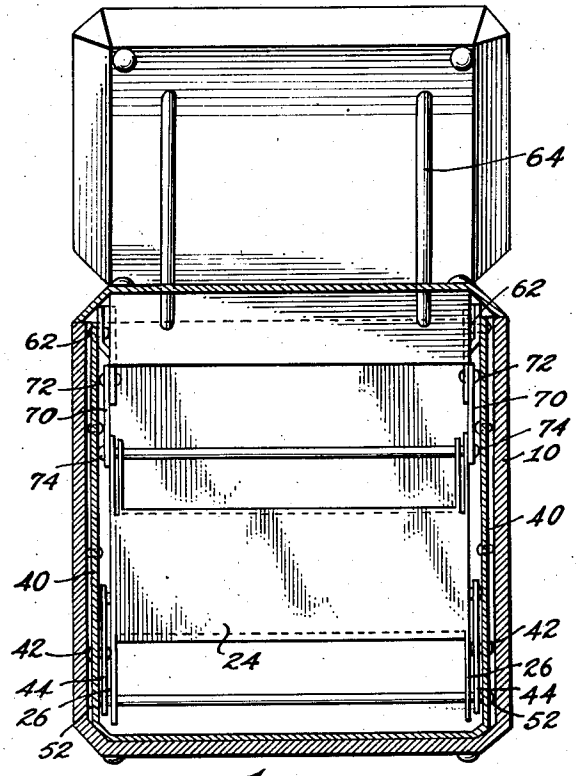


Fig. 5

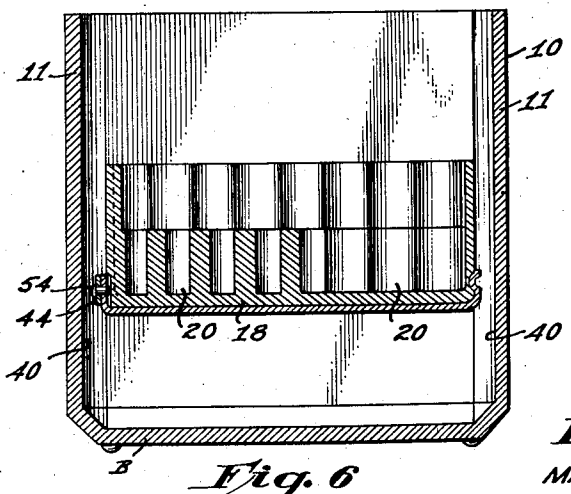


Fig. 6

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UNITED STATES PATENT OFFICE

2,391,453

DISPLAY CONTAINER

Max L. Goldbert, New York, N. Y.

Application April 20, 1943, Serial No. 483,825

5 Claims. (Cl. 312—73)

My invention relates generally to display containers, and in particular it relates to a container within which commodities of various kinds may be disposed and secured in position for ready removal from the container as desired.

The main object of my invention is the provision of a container having a display carriage therewithin.

Another object of my invention is the provision of a container having a display carriage therewithin shiftable vertically within the carriage.

Another object of my invention is the provision of a container having a display carriage vertically shiftable therewithin when the container is turned through 180 degrees.

Still another object of my invention is the provision of a casing having a closure thereon, the closure pivoting away from and over onto the casing when the casing is turned through 180 degrees.

Still another object of my invention is the provision of a casing having a display carriage therewithin and a closure pivotally mounted thereon, the carriage being vertically shiftable within the casing and the cover pivoting, so that as controlling means in the casing is in one position, the closure is away from the opening and the carriage approaches the opening, and as the controlling means is in the opposite position, the closure overlies and covers the casing opening and the carriage is remote from the opening.

Still another object of my invention is the provision of a casing having a plurality of chambers therewithin, a display carriage in one chamber, a control means in another, a connection between the control means and carriage whereby they shift in opposite directions.

Still another object of my invention is the provision of a casing having a pair of chambers therewithin, a closure pivotally secured to the casing, a display carriage in one chamber, vertically shiftable therewithin, a control means in another chamber, a connection between the control means and the closure and another connection between the control means and the carriage so that as the control means is in one position, the closure is pivoted away from the opening and the carriage proximates the said opening, and as the control means is in its other position, the closure overlies the opening in the casing and the carriage is remote from the opening.

Still another object of my invention is the provision of a device of the character described in which the casing closure and carriage are linked to a weight and shift in response to movements of the weight.

Further objects of my invention will be obvious, and still others will be specifically pointed out in connection with the following illustrative embodiment of my invention.

My device may be used to contain and display a great variety of articles, but for convenience, I have illustrated and will describe same as adapted to display cigarettes. It is understood, of course, that the scope of my invention is to be limited only by the claims appended hereto.

In the drawings annexed hereto, forming a part hereof,

Figure 1 is a vertical cross section through one form of device constructed according to and embodying my invention, showing same in "closed" position;

Fig. 2 is a view similar to Fig. 1, showing the device in "open" position;

Fig. 3 is a view partly in section and partly in elevation along the line 3—3 of Fig. 2;

Fig. 4 is a perspective view of the weight housing;

Fig. 5 is a view partly in section and partly in elevation along the line 5—5 of Fig. 2; and

Fig. 6 is a section along the line 6—6 of Fig. 3.

The device of my invention is indicated generally by reference numeral 10, and comprises a generally rectangular casing of any suitable material, as metal, wood, plastics or the like either solid or of built-up layers of such material. The container is formed with an opening at the top thereof. An interior wall or septum 12 is disposed within the hollow interior of casing 10, extending lengthwise of the casing, and dividing same into two compartments 14, 16. Compartment 14 is preferably smaller than compartment 16, for within compartment 16 I dispose a display carriage 18. Carriage 18 is formed as by casting, molding or otherwise, of plastic material, wood or any suitable metallic material, and has a plurality of article receiving recesses 20, 20 therein. As shown in Figs. 1, 2, 3 and 6, recesses 20, 20 are substantially circular and of such dimensioning as to receive and grip a cigarette 22 in each thereof. However, carriage 18 may be suitably constructed to receive and hold other articles as well. It is important that the carriage embody holding means for the articles to be disposed thereon, for reasons to be pointed out hereinbelow.

In the other compartment 14, I dispose a weight as 24, mounted midway between a pair of stand-

ards 26, 26. The ends of standards 26, 26 are apertured, at 28 at the bottoms, and 30 at the tops thereof (see Fig. 4). The standards, and the weight 24 secured therebetween, are slidably disposed within compartment 14. Side walls 11, 11 of the casing have secured thereto inner walls, as 40, 40, onto which a pin 42 is mounted to project slightly into the casing into chamber 16, near septum 12 and towards the bottom of the casing. A pair of links 44, 44, are provided, each having an elongated slot 46 at one end thereof, an elongated slot 48 in the center, and a circular opening 50 at the other end thereof (see Fig. 2). The slotted end of each link is pivotally secured to the lower part of standards 26, by means of an elongated pin 52, passing through both openings 28 and the slots 46, 46 in each of links 44. If desired, two pins may be used for this purpose, instead of the single elongated pin 52. Links 44 are pivoted on pins 42, 42 on each side of the casing, with the pin projecting through the central slot 48 in each of the links, and the forward end of each link is pivotally connected to the bottom of carriage 18 by means of pins 54, 54, passing through suitable openings in the bottom of the carriage and through circular openings 50, 50 at the end of the links.

A second pair of pins 62, 62 are mounted on inner walls 40, 40, within compartment 14 near the top thereof (see Fig. 2). A closure plate 64 is provided to overlie and cover the opening into casing 10. Cover 64 may be formed of any suitable material and is provided with a pair of ears 66 extending downwardly therefrom, the ears being apertured so as to fit over and pivot about pins 62, 62. A rearward extension 68 is provided on each side of cover 64, to which I pivotally connect a link 70 by means of pin 72 passing through registering openings in the end of the link and the terminal end of the extensions 68, 68.

The other end of each of links 70, 70, is pivotally secured to the upper part of standards 26, 26, by means of an elongated pin 74 passing through registering openings in the ends of the links and openings 30, 30 in the standards. Suitable openings as 90 are formed in septum 12 permitting links 44, 44 to pass through from compartment 14 to compartment 16.

When the casing is rested on its base B (Fig. 2) weight 24 drops to the bottom of compartment 14, carrying with it link 44. As the weight drops, link 44 pivots about pin 42 and raises platform 18 towards the mouth of the casing, bringing the cigarettes 22 to or above the level of the casing. As standards 26, 26 drop, link 70 is drawn downward pivoting cover 64 upwardly about pins 62, 62. Carriage 18 and cover 64 both rise simultaneously.

When it is desired to close or cover the container, it is turned one hundred and eighty degrees and rested on cover 64 (Fig. 1). Weight 24 drops downwardly towards the cover, drawing the connected end of link 44 along with it, which, pivoting about pin 42, causes the carriage to rise or shift towards base B. The carriage is upside down, so that if the cigarettes are not firmly held within pockets or recesses 20, 20, they will drop against the cover. As weight 24 shifts towards the cover, it pushes link 70 against extension 68, pivoting cover 64 about ears 66 and pins 62 onto the open end of the casing.

Merely turning the casing through the one hundred and eighty degree arc will shift the weight 24 from top to bottom of the casing and open or close the cover, and raise or lower the carriage.

Means other than weight 24 may be employed to cause the above described cooperation between the cover and carriage.

Having now described my invention, what I claim and desire to secure by Letters Patent is:

1. A display container comprising an open-ended casing, a septum vertically secured therein dividing the casing into two compartments, a cover for said casing pivotally secured thereto, a carriage in one compartment, a weight in the other compartment, a connection between the weight and the carriage, and a connection between the weight and the cover, movement of the weight in one vertical direction causing movement of the carriage and of the cover, in the opposite vertical direction.

2. A display container comprising an open-mouthed casing, a closure therefor pivotally secured to the casing at one end thereof, a vertically reciprocable carriage within said casing, a vertically reciprocable weight within said casing, the weight being linked to the closure and to the carriage, movement of the weight in one vertical direction causing movement of the carriage and of the closure in the opposite direction.

3. A display container as in claim 2 in which the connecting linkage between the weight and carriage is pivoted on the casing side wall.

4. A display container comprising an open mouthed casing, a plurality of vertically extending compartments in said casing, a carriage in one of the compartments, said carriage being vertically reciprocatable within said compartment, a weight within another of the compartments and vertically reciprocatable therewithin, a connection, comprising a link pivoted to a wall of the casing, between said weight and said carriage whereby, when the mouth of the container is uppermost, said carriage is high in its compartment and the weight is low in its compartment, and when the container is reversed with the mouth of the compartment opening downwardly, the carriage shifts towards the bottom of its compartment and the weight shifts to the upper portion of its compartment.

5. A display container comprising a casing having a pair of vertically extending compartments therewithin, a carriage disposed within one of the compartments and a weight disposed within the other compartment, a link secured to the weight and to the carriage and pivoted at an intermediate point between the weight and the carriage, movement of the weight in one direction in the casing causing movement of the carriage in the opposite direction.

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