Feb. 8, 1949. T. R. THOMAS 2,461,400

TACKLESS DISPLAY HOLDER

Filed April 9, 1946. 2 Sheets-Sheet 1

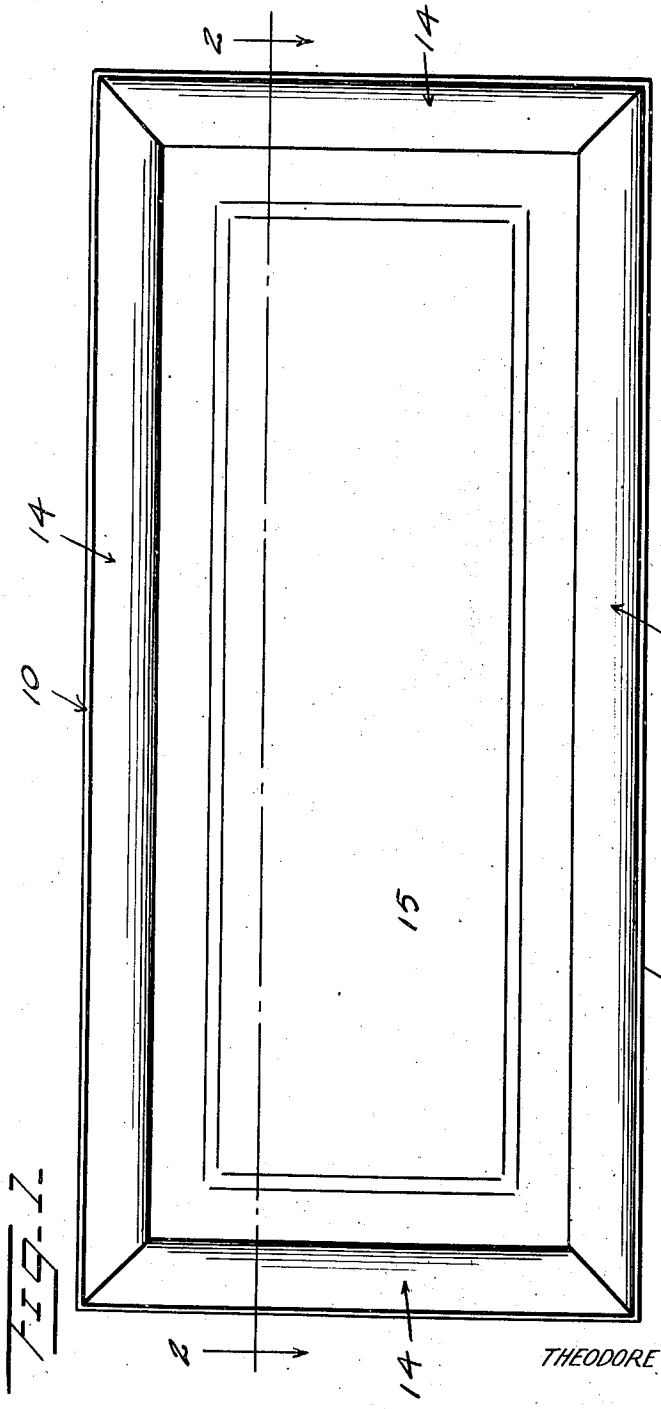



FIG. 1.

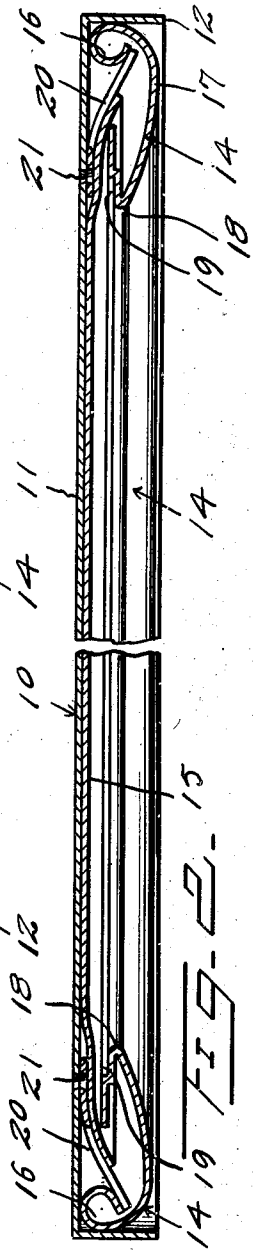



FIG. 2.

Inventor

THEODORE ROOSEVELT THOMAS

By Kimmel & Crowell Attorneys

Feb. 8, 1949. T. R. THOMAS 2,461,400

TACKLESS DISPLAY HOLDER

Filed April 9, 1946 2 Sheets-Sheet 2

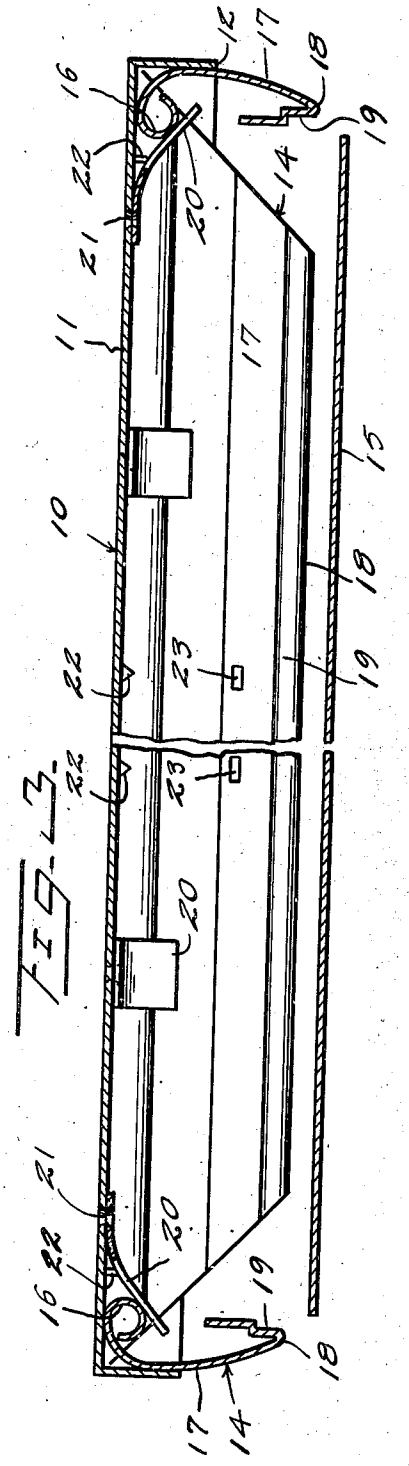


FIG. 3.

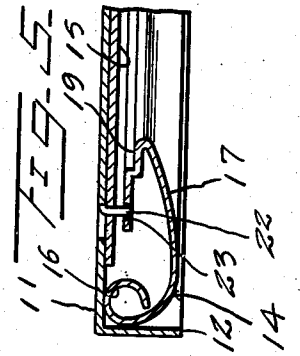


FIG. 5.

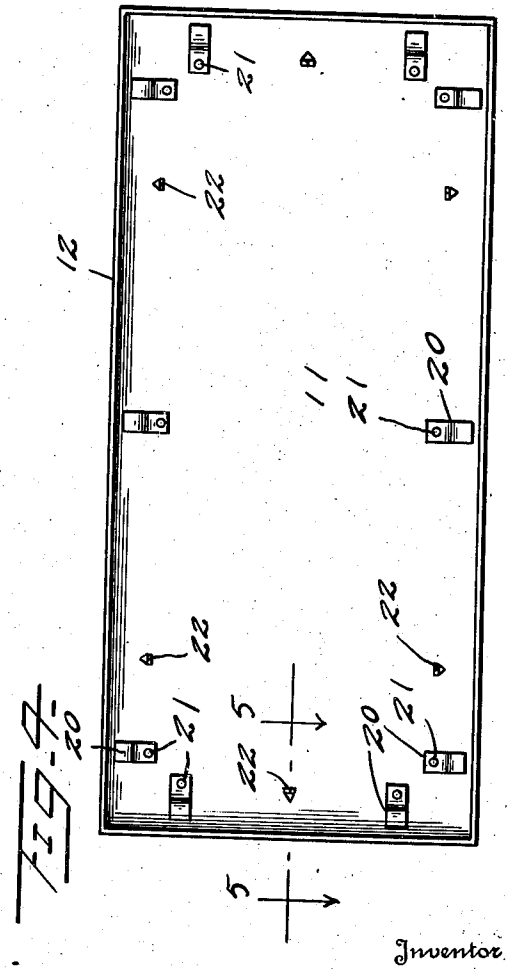


FIG. 4.

Inventor
THEODORE ROOSEVELT THOMAS

By Kimmel & Crowell Attorneys

Patented Feb. 8, 1949 2,461,400

# UNITED STATES PATENT OFFICE

2,461,400

## TACKLESS DISPLAY HOLDER

Theodore Roosevelt Thomas, Wilkes-Barre, Pa.

Application April 9, 1946, Serial No. 660,750

3 Claims. (Cl. 40—156)

1

This invention relates to improvements in a tackless display holder and more particularly to improvements in my present patent, Number 2,125,208, of July 26, 1938, for a Tackless display holder.

It is an object of my invention to provide a tackless display holder for displaying posters or advertising matter by clamping the poster onto the holder of a spring hinge controlled peripheral border or molding of the display holder.

Another object of this invention is to provide a tackless display holder for clamping a poster therein, in which the clamping members provide the border or molding of the holder, and the clampings are so formed that a flat spring fixed to the holder, engaging over part of the clamping members, is adapted to urge the clamping members to clamping position in one position thereof, and to open position in other positions.

Still another object of this invention is to provide a tackless display holder of the type to be herein described, which is composed of very few moving parts, and by reason of the simplicity of construction, provides a very efficient display holder which may be produced and manufactured very economically.

A further object of this invention is to provide tackless display holders to be used on commercial motor trucks, at gasoline service stations, railroad stations, bus terminals, theatre lobbies, airport terminals or any other place having use for a display board to be mounted on any type of display stand designed.

It is understood that this display holder may be manufactured in either single or double face boards, wherever the need may be.

To the foregoing objects, and others which may hereinafter more fully appear, the invention consists of the novel construction, combination and arrangement of parts, as will be more specifically referred to and illustrated in the accompanying drawings, but it is to be understood that changes, variations and modifications may be resorted to which fall within the scope of the invention as claimed.

In the drawings, wherein similar reference characters designate similar parts throughout the respective views,

Figure 1 is a front elevation of a display holder constructed according to an embodiment of my invention,

Figure 2 is a section taken on the line 2—2 of Figure 1,

Figure 3 is a detailed sectional view showing the clamping members in the opened position,

2

Figure 4 is a front view of the holder with the clamping members removed,

Figure 5 is a section on the line 5—5 of Figure 4, with the clamping members in place.

Referring to the drawings, the numeral 10 designates generally a tackless display holder constructed according to an embodiment of my invention. The holder 10 comprises a rectangular frame having a flat backing member 11 made of metal or other suitable material, and having a forwardly extending flanged periphery 12 about all four sides thereof.

Pairs of clamping members 14 are spring hingedly carried by the frame inwardly of the peripheral flanges 12, and are so formed as to clamp a poster 15 between the members 14 and the forward side of the frame.

The clamping members 14 are formed of elongated sheet metal strips or any other suitable material, formed at the outer edges thereof with a rolled head 16, and the center or body portion 17 has a slight contour to add to the appearance of the holder and to cover the parts enclosed below the clamping members 14. The inner edges of the clamping members 14 are reverted to form a smooth inner edge 18 and are joggled to form a recess 19 along the rear side of the members 14 to provide a space for holding a transparent cover over the poster 15 when desired, and to provide a finger grip for raising the front edge of the clamping members 14 when it is desired to remove or insert a poster as 15.

The ends of the members 14 are cut at an angle to provide for the folding of adjacent members 14 without overlapping each other.

Fixed to the forward side of the backing member 11 are short elongated flat springs 20, which may be secured thereto by rivets 21 or other suitable fastening means at one end thereof. The other end of each of the springs 20 is adapted to bear against the forward side of the bead 16 of the clamping members 14 to secure the members 14 onto the frame. The springs 20 and the beads 16 form the spring hinged connection of the clamps 14 to the frame.

It will be seen that by this arrangement the springs 20 urge the members 14 to clamping position when the members 14 are less than 45 degrees from the back member 11 and when the members 14 are moved to a position over 45 degrees from the back 11 the springs 20 urge the members 14 to the outer or open position. This phenomenon is quite a natural consequence of this type of construction for it is seen that the members 14 do not pivot directly about the center of the bead

16, because as the members 14 are raised from clamping position, the center of the bead is moved slightly inwardly of the frame by the contour of the members 14 bearing against the inner surface of the flange 12.

In order to provide for securely fixing the poster 15 into the frame, the rear frame member 11 is formed with forwardly extending tangs 22, which are struck from the rear member 11. The lower sides of the clamping members 14 are formed with openings 23 which are adapted to fit over the tanks 22 to clamp the poster 15 thereon.

In the use and operation of this form of tackless display holder, the clamping members 14 are first moved to the forward or open position where they are held by the springs 20. The poster 15 is then fitted into the frame by piercing the edges of the poster on the tangs 22. The clamping members 14 are then closed and the openings 23 fit over the tangs 22 and the inner edge 18 bears against the poster 15 to clamp the poster securely thereon, while the springs 20 constantly urge the members 14 to a tight clamping position.

The exact configuration illustrated is regarded as the optimum, but some of the desirable results inherent in this disclosure may be obtained by various slight modifications including some departure from the exact configuration shown, and it is therefore requested that the scope of the invention should be regarded as limited only by the terms of the claims.

What I desire to claim is:

1. A tackless display holder comprising a backing member, a right angular peripheral flange about the edge of said backing member, elongated flat springs fixed at one end thereof to said backing member adjacent said flange inwardly of the edges of said backing member, clamping members loose between said springs and said flanges, a bead along one edge of said clamping members, said spring engaging over said bead rotatably securing said clamping members between said springs and said flanges, said bead being irregular in cross section whereby said spring will bias said clamping member open in the open position and closed in the closed position thereof.



2. A tackless display holder comprising a backing member, a peripheral flange about said backing member, clamping members loosely supported on said backing member, a bead on one edge of said clamping members, flat springs fixed at one end to said backing member, the other end of said springs engageable over said bead for clampingly securing said bead rotatably between said springs and said flange, said bead formed with an irregular contour engaging said spring whereby said springs will bias said clamping members open in the open position thereof and closed in the closed position thereof.

3. A tackless display holder comprising a rectangular backing member, a fixed peripheral flange about said backing member, clamping members loosely supported on said backing member, a reverted looped brad on one edge of said clamping members, flat openings fixed at one end to said backing member, the free end of said springs engageable resiliently over said bead, said springs, peripheral flange and bead constituting the hinge of said clamping members for rotatably securing said clamping members to said backing member, said bead formed with an irregular surface engaging said springs whereby said springs bias said clamping members open from the open position and closed from the closed position.

THEODORE ROOSEVELT THOMAS.


## REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

| Number | Name | Date |
|---|---|---|
| 1,315,196 | Moorehous | Sept. 2, 1919 |
| 1,607,465 | Kirk et al. | Nov. 16, 1926 |
| 2,125,208 | Thomas | July 26, 1938 |
| 2,321,730 | Benson | June 15, 1943 |