June 25, 1940. A. LANE, JR 2,205,818

DISPLAY SIGN

Filed Oct. 31, 1939

Fig. 1.

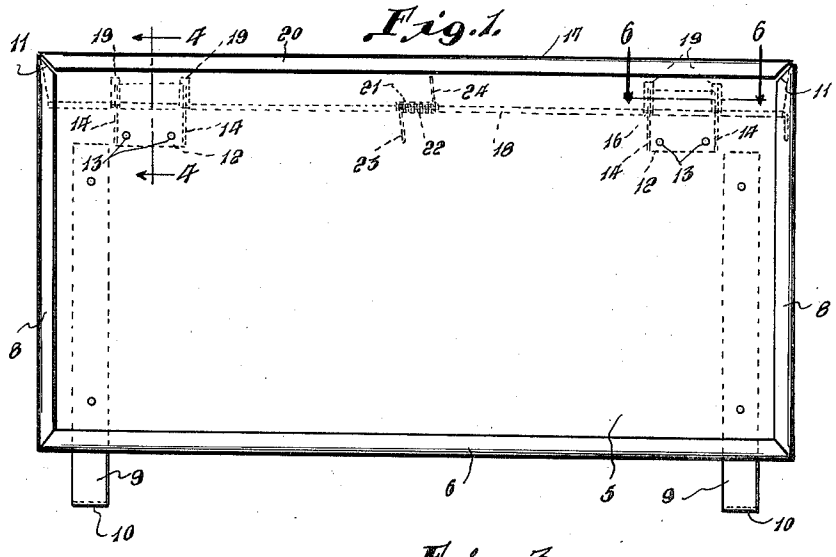


Fig. 2.

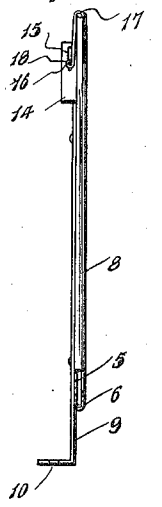


Fig. 3.

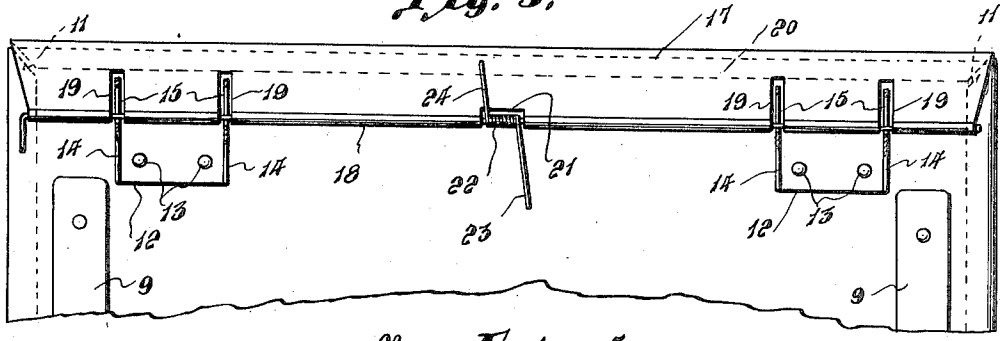


Fig. 4.

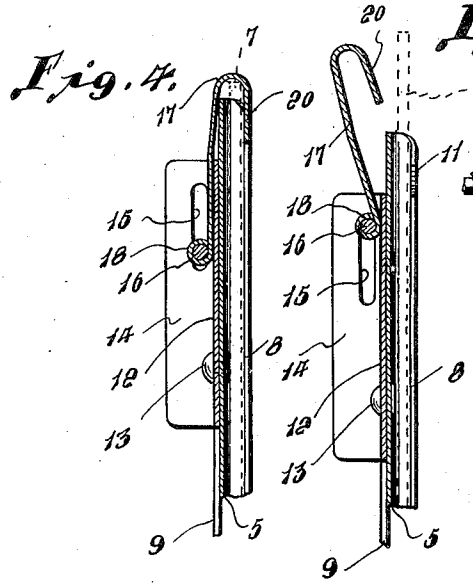


Fig. 5.

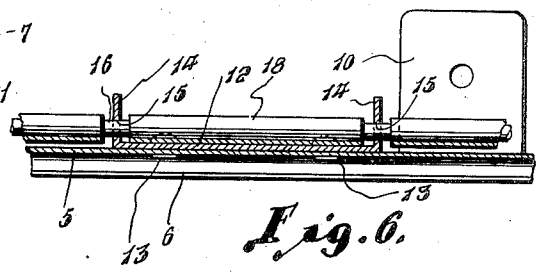


Fig. 6.

Inventor

Asher Lane, Jr.

By

Attorney.

Patented June 25, 1940 2,205,818

UNITED STATES PATENT OFFICE

2,205,818

DISPLAY SIGN

Asher Lane, Jr., Topeka, Kans.

Application October 31, 1939, Serial No. 302,212

2 Claims. (Cl. 40—125)

This invention relates to certain new and useful improvements in display signs and more particularly to changeable card, picture and sign holders.

The primary object of the present invention is to provide a holder in which the sign may be slidably inserted or removed and held in place when in position by means of a hinged detent capable of being locked in place in a frictional manner.

A further object of the invention is to provide a card or sign holder of the above mentioned type in which the card holding detent is slidably mounted at the mouth of the holder so that it may be clipped in position, forming a continuance of the rectangular card frame when in place and allowing the detent to be swung to an inoperative position while removing the card or sign.

A still further object of the invention is to provide a card or sign holder of the above mentioned type in which the hinge joint for the detent is mounted for sliding and locking movement by supporting the hinge pintle in slotted plates whereby the pintle will be gripped in a narrowed portion of the slot when in its operative position.

A still further object of this invention is to provide a sign which is extremely simple in operation and which can be manufactured by a pressing or stamping operation.

In the drawing—

Figure 1 is a front elevational view of the sign and card holder embodying the invention;

Figure 2 is an end elevational view showing a corner portion of the holder broken away to illustrate the construction of the marginal flange;

Figure 3 is an enlarged fragmentary rear elevational view illustrating the slotted plates for receiving the cover or detent hinge pintle;

Figure 4 is a vertical cross-sectional view taken on line 4—4 of Figure 1, looking in the direction of the arrows, showing the card or sign holder cover in its operative or closed position;

Figure 5 is a vertical cross-sectional view similar to Figure 4, showing the card holder cover or detent in its open position; and

Figure 6 is a horizontal cross-sectional view taken on line 6—6 of Figure 1, looking in the direction of the arrows and illustrating in detail the structural parts of the cover hinge joint.

In the drawing, the reference character 5 will be employed to generally designate a metal sign holder formed of a substantially flat backing plate having a lower marginal flange 6 providing a trough for receiving the lower edge of a card as at 7. The opposite side edges of the plate 5 are provided with return bent flanges 8 forming marginal strips cooperating with the lower flange 6 for overlying the vertical edges of the card or sign 7 to retain the latter in the holder. A pair of supporting brackets 9 is fastened to the rear wall of the flat plate 5 and are angularly bent at the lower end as at 10 so that the card holder may be secured to a supporting surface.

The upper edges 11 of the marginal strips 8 are angularly cut to facilitate the easy insertion of the card 7 within the holder.

Secured to the rear wall of the plate 5 in spaced relation thereon are angle plates 12 fastened by means of rivets or the like as at 13 and having vertical flanges 14 extending rearwardly therefrom. Formed in the upper portion of each flange 14 is a wedge shaped slot 15 narrower at the lower end than at the upper portion so that a hinge pintle 16 may slide therein in a vertical plane.

A closure member 17 has one end beaded as at 18 through which is passed the hinge pintle 16 and the cover 17 is slotted as at 19 in alignment with the vertical flanges 14 as clearly shown in Figure 3. The free edge of the cover 17 is bent downwardly as at 20 to form a continuation of the marginal strips 8 thereby completing a rectangular card or sign frame.

Intermediate the ends of the cover 17 is an opening 21 for exposing the pintle 16 whereby a coil spring 22 may be wrapped therearound and the free ends 23 and 24 may engage the back plate 5 and cover 17 respectively.

In operation, the card or sign 7 may be slid into position between the return bent marginal strips 8 until the lower edge engages the return bent marginal strip 6 and while the cover 17 is in the position shown in Figure 5. The cover 17 is then released so that the spring 22 will urge the cover forwardly in position to be moved downwardly as shown in Figure 4. As the hinge pintle 16 approaches the lower end of the slot 15, it is frictionally held between the tapering edges thereof and will prevent the accidental displacement of the card or picture 7 as shown in Figure 4.

It is to be understood that the form of the invention herewith shown and described is to be taken as the preferred embodiment of the same and that various changes in the shape, size and arrangement of parts may be resorted to without

departing from the spirit of the invention or the scope of the sub-joined claims.

I claim:

1. A changeable sign including a backing plate having inturned flanges on the lower edge and vertical side edges to form guide grooves for a sign plate or the like, and a channel-shaped cover for the upper end of the backing plate forming a groove continuous with the aforesaid grooves and operative for retaining the sign plate or the like in position, and a vertically slidable hinge connection between the backing plate and the rear edge of said cover, the hinge connection including a hinge pin carried by the cover and angle strips with vertical slots therein carried by the backing plate with the hinge pin translatable in said slots.

2. A changeable sign including a backing plate having inturned flanges on the lower edge and vertical side edges to form guide grooves for a sign plate or the like, a channel-shaped cover for the upper end of the backing plate forming a groove continuous with the aforesaid grooves and operative for retaining the sign plate or the like in position, and a vertically slidable hinge connection between the backing plate and the rear edge of said cover, the hinge connection including a hinge pin carried by the cover and angle strips with vertical slots therein carried by the backing plate with the hinge pin translatable in said slots, and the rear side of said cover being slotted for passage of said angle strip during hinging movements of said cover.

ASHER LANE, JR.