Sept. 18, 1951 N. OBERDING 2,568,165

POSTER PANEL

Filed April 10, 1946

Fig. 1

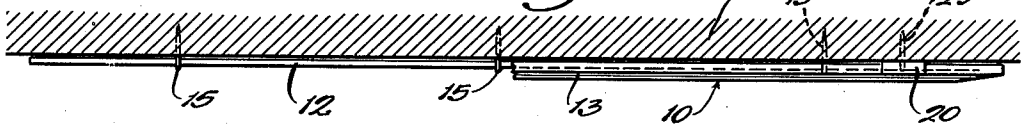


Fig. 2

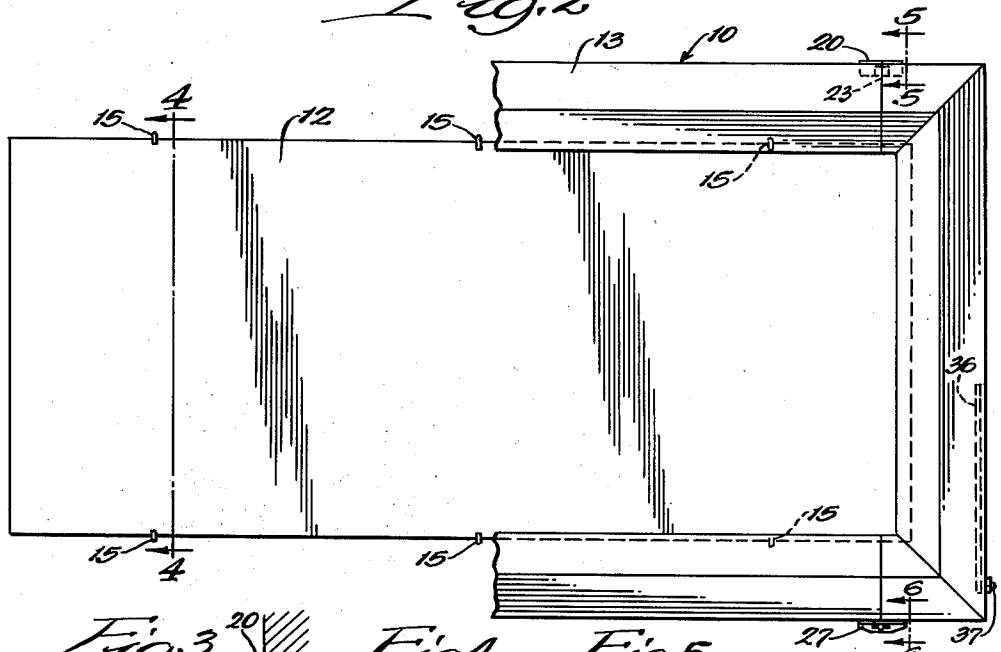


Fig. 3

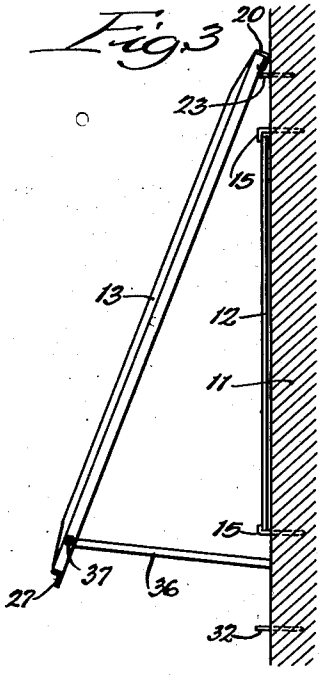


Fig. 4

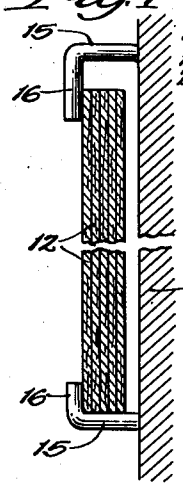


Fig. 5

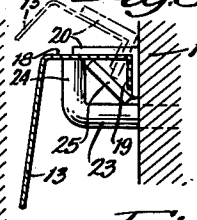


Fig. 7

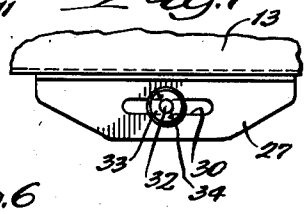
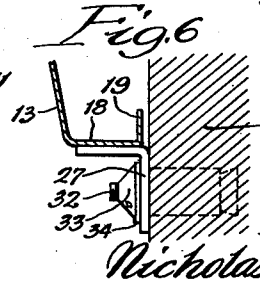


Fig. 6



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POSTER PANEL

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4 Claims. (Cl. 40—125)

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This invention relates to poster panels to be mounted on a wall.

The principal object of this invention is to provide a poster panel assembly which may be removably mounted on a wall wherein the frame portion thereof may be swung outwardly from the wall to permit ready servicing of the panel portion while in place and wherein the panel portion may be readily removed for servicing thereof while the frame portion is swung outwardly. This permits speedy posting, painting and so forth of the panel portion without danger of smearing or otherwise dirtying the frame portion of the poster panel assembly.

Further objects of this invention reside in the details of construction of the poster panel assembly and the manner in which it is secured to a wall.

Other objects and advantages will become apparent to those skilled in the art upon reference to the accompanying specification, claims and drawing, in which—

Figure 1 is a top plan view of the poster panel assembly with a part of the frame portion broken away;

Fig. 2 is a front elevational view of the poster panel assembly with a part of the frame portion broken away;

Fig. 3 is a side elevational view of the poster panel assembly showing the lower edge of the frame portion swung outwardly from the wall;

Fig. 4 is an enlarged sectional view taken substantially along the line 4—4 of Fig. 2 showing the manner in which the panel portion is mounted on the wall;

Fig. 5 is an enlarged sectional view taken substantially along the line 5—5 of Fig. 2 showing the manner in which the upper edge of the frame portion is mounted on the wall;

Fig. 6 is a sectional view taken substantially along the line 6—6 of Fig. 2 showing the manner in which the lower edge of the frame portion is mounted on the wall; and,

Fig. 7 is a front elevational view looking from the left in Fig. 6.

The poster panel assembly is generally designated at 10 and is adapted to be mounted on a wall 11. The poster panel assembly 10 includes a panel portion 12 which may be made of laminated wood construction, as shown in Fig. 4, and a frame portion 13 which may be made of sheet metal.

The panel portion 12 is supported on the wall 11 by means of upper and lower hooks 15. These hooks are driven into the wall and are provided with hook portions 16 for receiving the panel portion 12. The bottom hooks 15 support the panel portion 12 and hold the lower edge thereof adjacent the wall 11. The upper hooks 15 hold the upper edge of the panel portion 12 adjacent the wall 11. As will be noted in Fig. 4, the hook

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portions 16 of the upper hooks are longer than the hook portions 16 of the lower hooks and also that the spacing between the upper and lower hooks is slightly greater than the height of the panel portion.

After the hooks 15 are driven into the wall, the panel portion 12 may be slid up behind the hook portions 16 of the upper hooks 15 and moved over the hook portion 16 of the lower hooks 15. The panel is then permitted to rest on the lower hooks 15 and the hook portions 16 of the upper and lower hooks hold the panel section 12 adjacent the wall. In order to remove the panel section 12, it may be lifted off of the bottom hooks 15 and then removed.

The frame portion 13 preferably made of sheet metal is provided around its periphery with flange 18 and an inturned flange 19. A pair of angle plates 20 are secured in spaced relation to the top edge of the frame portion 13 by welding or other suitable means. The angle plates 20 are of relatively heavy construction and are utilized for the purpose of supporting the frame portion 13 on the wall 11. A pair of hooks 23 having hook portions 24 are driven into the wall 11 above the hooks 15. A cam plate 25 is welded to each of the hooks 23 to provide an inclined cam surface thereon which cooperate with the angle plates 20.

The bottom edge of the frame portion 13 is provided with a pair of angle plates 27 which are secured thereto by welding or other suitable means and each of these angle plates is provided with a slot 30.

A pair of studs 32 are suitably anchored in the wall 11 and are adapted to be received in the slots 30 of the angle plates 27. Nuts 33 are carried by the studs 32 for clamping the angle plates 27 to the wall 11. If desired, washers 34 may be located between the angle plates 27 and the nuts 33. The nuts 33 are preferably conical in shape and provided with holes for receiving a special wrench to prevent unauthorized removal thereof.

The frame portion 13 of the panel poster may be suspended on the hooks 23 by the angle plates 20 and when the frame portion is in a vertical position, it is held adjacent to the wall 11 by the inclined cam surface formed by the cam plates 25. The bottom of the frame portion may be held against the wall 11 by the nuts 33 cooperating with the angle plates 27.

In order to provide ready access to the panel portion 12, the nuts 33 may be removed and the lower end of the frame portion swung outwardly from the wall as shown in Fig. 3. When this occurs, the angle plates 20 ride up the inclined surface of the cam plates 25 to permit this outward swinging without binding or bending the angle plates 20. The cam plates 25, therefore, operate to at all times maintain the upper edge of the frame portion 13 adjacent the wall 11 without binding or bending, regardless of whether

the lower edge of the frame portion is adjacent the wall or is swung outwardly.

The sides of the frame portion 13 may be provided with pivoted props 36 held in place by nuts 37 to hold the lower edge of the frame portion 13 away from the wall and these props 36 may be folded up into the frame portion, as shown in Fig. 2, when the lower edge of the frame portion is brought against the wall.

When the frame portion 13 is swung away from the wall, as illustrated in Fig. 3, the panel portion 12 may be posted or painted without any danger of smearing or otherwise dirtying the frame portion. By reason of this arrangement, it is possible for the persons painting or posting to work more rapidly inasmuch as it is not necessary to watch out for the margin of the frame as has been the case in prior art constructions.

If desired, the panel portion 12 may be removed after the frame portion 13 has been swung outwardly so that the posting or painting of the panel portion may be accomplished on the ground. Ready removal and replacement of the panel portion is provided by this arrangement for that purpose.

Because of the use of the hook arrangements for supporting the panel portion, extremely accurate location of the hooks is not required and furthermore, the panel portion may be longitudinally adjusted to any desired position after the hooks are located in the wall.

Because of the hook arrangements 23 supporting the frame portion 13, the frame may be longitudinally adjusted so as to properly line up with the position of the panel portion and this longitudinal adjustment of the frame portion is permitted by the upper angle plates 20 and the slots 30 in the lower angle plates 27.

While for purposes of illustration, one form of this invention has been disclosed, other forms thereof may become apparent to those skilled in the art upon reference to this disclosure and, therefore, this invention is to be limited only by the scope of the appended claims.

I claim as my invention:

1. In a poster panel assembly for mounting a poster panel on an upright support, a frame to surround the poster panel, means for supporting the frame so as to permit the frame to be swung outwardly between inoperative and operative positions of use including an angle plate fixed to the upper edge portion of the plate with one side of the angle extending downwardly in spaced relation with the frame, a hook member extending outwardly from the support having an upwardly extending end portion adapted operatively to engage the underside of the angle plate, a cam plate fixed to the hook member between the upwardly extending portion and the support for cooperation with the angle plate for urging the upper edge portion of the frame and angle plate into engagement with the support during adjustment of the frame between inoperative and operative positions of use.

2. A poster panel assembly for mounting a poster panel on a support comprising a poster panel, cooperating pairs of upper and lower hooks fixed to the support in spaced apart relation slightly greater than the length of the poster panel with the downwardly extending hook end portions of the upper hooks being of greater length than the lower hooks to permit the lower edge of the poster panel to clear the lower hooks when the upper edge is raised into contact with the upper hooks, a frame for surrounding the poster panel, means for supporting the frame so as to permit the frame to be swung outwardly including an angle plate fixed to the upper edge of the frame with one side of the angle plate extending downwardly in spaced relation with the frame, a hook member extending outwardly from the support having an upwardly extending end portion adapted operatively to engage the underside of the angle plate, a cam plate fixed to the hook member between the upwardly extending portion and the support for cooperation with the angle plate for urging the upper edge portion of the frame and angle plate into engagement with the support in all positions of adjustment.

3. In a poster panel assembly for mounting a poster panel on an upright support, a frame to surround the poster panel, means for supporting the frame so as to permit the frame to be swung outwardly between inoperative and operative positions of use including an angle plate fixed to the upper edge portion of the plate with one side of the angle extending downwardly in spaced relation with the frame, a hook member extending outwardly from the support having an upwardly extending end portion adapted operatively to engage the underside of the angle plate, a cam plate fixed to the hook member between the upwardly extending portion and the support for cooperation with the angle plate for urging the upper edge portion of the frame and angle plate into engagement with the support during adjustment of the frame between inoperative and operative positions of use, and means for securing the lower edge portion of the frame against the support when in position of use.

4. A poster panel assembly for mounting a poster panel on a support comprising a poster panel, cooperating pairs of upper and lower hooks fixed to the support in spaced apart relation slightly greater than the length of the poster panel with the downwardly extending hook end portions of the upper hooks being of greater length than the lower hooks to permit the lower edge of the poster panel to clear the lower hooks when the upper edge is raised into contact with the upper hooks, a frame for surrounding the poster panel, means for supporting the frame so as to permit the frame to be swung outwardly including an angle plate fixed to the upper edge of the frame with one side of the angle plate extending downwardly in spaced relation with the frame, a hook member extending outwardly from the support having an upwardly extending end portion adapted operatively to engage the underside of the angle plate, a cam plate fixed to the hook member between the upwardly extending portion and the support for cooperation with the angle plate for urging the upper edge portion of the frame and angle plate into engagement with the support in all positions of adjustment, and props pivoted from the support adjacent the lower edge portion of the frame to hold the lower edge portion thereof in inoperative position when swung away from the support.

NICHOLAS OBERDING.

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