United States Patent

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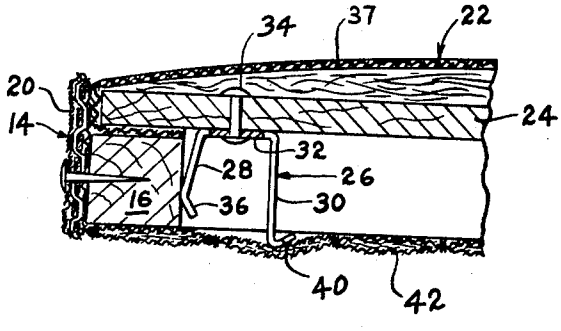
[54] **MOUNTED PANEL ASSEMBLY**
4 Claims, 5 Drawing Figs.

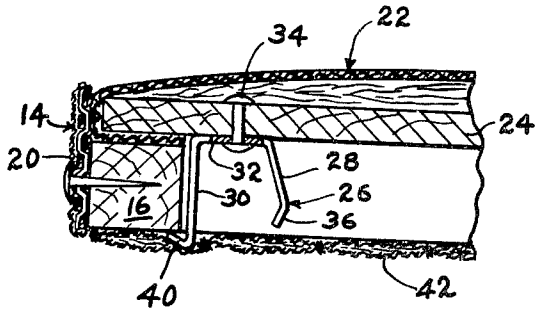
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287/189.35, 292/76, 292/80
[51] **Int. Cl.** **B65d 43/00,**
B65d 43/14, B65d 43/02
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70/163, 167–169, 171–173, DIG. 34; 24/221 R;
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49/465; 217/56, 58, 62, 5 R; 220/55 K, 55 B;
267/53; 287/189.35

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ABSTRACT: A panel has a number of clips which secure it to a base member. The clips, each fitting alongside an opening in the base member, comprises U-shaped elements swivelly attached to the panel. Depending on whether the panel is to be temporarily mounted or permanently mounted, the friction leg or the hook leg can be turned toward the base member for engagement.





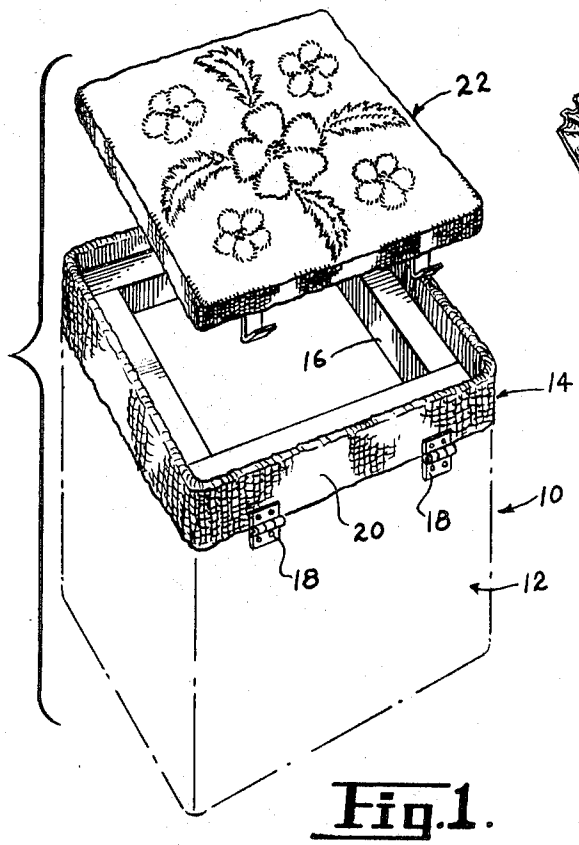


Fig. 1.

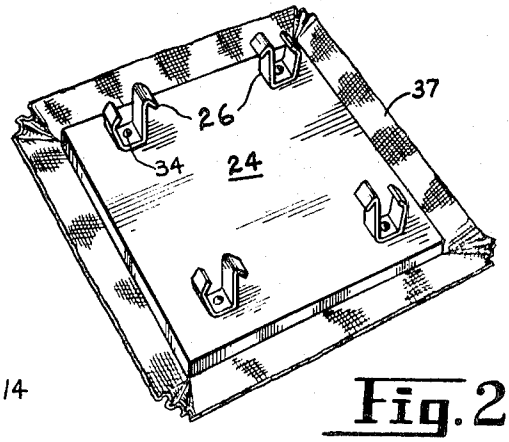


Fig. 2.

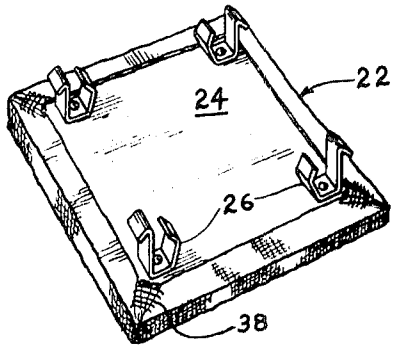


Fig. 3.

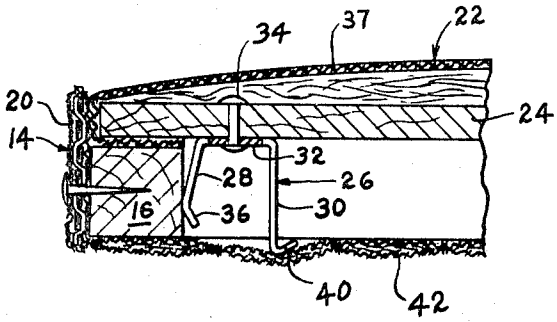


Fig. 4.

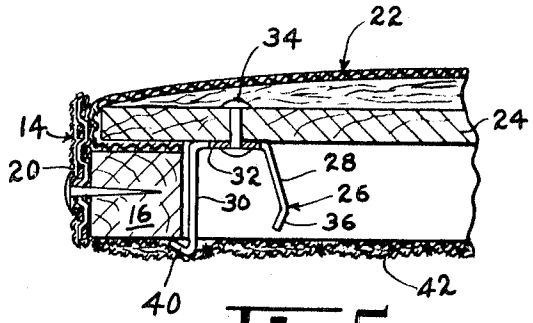


Fig. 5.

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MOUNTED PANEL ASSEMBLY

This invention relates to a mounted panel assembly. More specifically, this invention relates to an assembly comprising a panel which may be removed from its framing in which it is temporarily held at the time of sale and ornamented as by the purchaser and then reinstalled in its mounting in permanent fashion. The assembly is especially well adapted to lids of containers such as sewing boxes in which the covering ornamentation may be in the form of needlework, only partially completed at the time of sale.

The present arrangement has advantages over prior art methods of mounted panel assemblies in which screws or other removable fasteners were used. One advantage is that the fastening means of the invention does not require the use of any tools. It may also be completely hidden, a particularly advantageous feature when both sides of the assembly are exposed to view.

Other features and advantages will be apparent to those skilled in the art from a reading of the following specification and an examination of the drawings in which:

FIG. 1 is an exploded perspective view taken from the rear of a sewing basket embodying the invention and showing the panel removed from its mounting exposing the specially mounted clips;

FIG. 2 is a perspective view of the bottom side of the panel with the needlepoint partially removed therefrom and the clips turned for temporary installation;

FIG. 3 is a perspective view from the bottom of a panel embodying the invention and having finished needlepoint secured thereto and the clips turned ready for permanent attachment;

FIG. 4 is an enlarged, fragmentary, sectional view taken through a clip on an embodiment of the invention in which the panel is temporarily installed in its mounting; and

FIG. 5 is a view similar to FIG. 4 but showing the clip turned and the panel permanently mounted.

Referring more specifically to the drawings, FIG. 1 shows an embodiment of the invention as installed in the lid of a sewing basket. The sewing basket is generally designated 10 and comprises a container 12 and a lid 14.

The lid comprises a rectangular frame 16 or base member of wood or the like which is hinged to the container 12 as at 18. Surrounding the outside of the frame 16 is an upstanding web of rushing.

A panel is generally designated 22. The embodiment shown comprises a rectangle of wood 24 or the like on which are mounted clips 26 which are identical and disposed at a plurality of locations. Each of the clips is generally U-shaped (FIG. 4) and comprises a pair of legs 28 and 30 connected by a bight 32 apertured at its center. The clips are each mounted by a rivet 34 or the like passing through the aperture and into the panel. Thereby the clips are swivelly mounted about the aperture in the bight 32. Preferably, the clips are of resilient sheet material such as spring steel.

As shown in FIG. 4, the upper end of the leg 28 is formed with friction means. In a preferred version, this assembly comprises a portion of the leg which goes out and then is deflected inward as at 36 to present a bearing surface adapted to engage the inside of the frame 16 in temporary frictional engagement. It will be seen that with the clip turned as shown in FIG. 4, the lid 14 may be readily pulled up out of its mounting in the frame 16 for work on the needlepoint cover 37.

When the needlepoint cover is completed and stitched at its corners as shown at 38 in FIG. 3, the clips 26 are turned 180° so that the leg 30 is closer to the frame 16. The distal end of the leg 30 is formed with an outstanding hook 40 so that when the panel 22 is pressed down, the leg 30 deflects inward until the hook 40 snaps over the bottom surface of the frame 16. This provides a permanent installation of the panel 22 in the frame mounting 16.

It should be noted that preferably the underside of the assembly is covered with a flexible material 42 to conceal the underside parts which would be otherwise visible. Preferably the covering 42 is of quilted material to minimize any bumps which would otherwise be conspicuous in the area of the hooks 40.

In use, the sewing basket or other article having the assembly mounted thereon is made available in the marketplace with the needlepoint 37 having its design already completed but with the field a background of the needlepoint which may be done by the purchaser undone. At the marketplace, the clips 26 are in the condition shown in FIG. 4. This keeps the panel in place during shipping. After purchase, the consumer will remove the panel 22 by simply lifting it upward and sliding the bearing surface of the legs 26 against the frame 16 as shown in FIG. 2. The needlepoint may then be removed and worked on by the consumer until it is complete. It is thereupon stitched as at 38 at the corners of the panel and the clips 26 are turned 180° so that the hook legs 30 are closer to the frame 16. The panel is then simply aligned over the frame 16 with the hook legs 30 adjacent the opening in the frame 16 and the panel is then pressed downward. The hook legs 30 flex inward and the hooks 40 finally snap securely on the underside of the frame 16 to hold the panel 22 in final position permanently. Obviously, the panel 22 is larger than the opening in the frame 16.

Other forms of the invention are envisioned. For instance, the clips 26 may be made of wire or of molded plastic material.

I claim:

1. A mounted panel assembly comprising
   a. a base member having opening means therein;
   b. a display panel to be supported against the base member, the front face of the display panel having ornamented material; and
   c. a plurality of clips on the back face of the panel, each clip being of U-shape, one of the legs of said clip having a friction means on the leg and having hook means on the upper end of the other leg, the clips each being swivelly secured at their bights to the rear face of the display panel and so spaced adjacent the periphery of the opening means that depending on the orientation of the clips, the friction means will engage the side of the opening means for temporary attachment, or the hook means will engage over the side of the opening means for permanent attachment, respectively.

2. A panel assembly as described in claim 1 wherein the base member is a frame and the opening means is the opening in the center of the frame.

3. A panel assembly as described in claim 1 wherein the clip is of resilient sheet material and the upper end of the hook leg of the clip comprises an outward and rearwardly bent hook comprising the hook means, and the upper end of the leg having the friction means undulates outward then inward as the distal end is approached.

4. A panel assembly as described in claim 1 wherein the assembly comprises a container lid with the panel on the face of the lid which is exposed when the lid is closed and the inside of the lid is covered with a fabric.