Dec. 8, 1931. W. S. LINDSEY 1,835,884

CONTAINER

Filed April 28, 1930

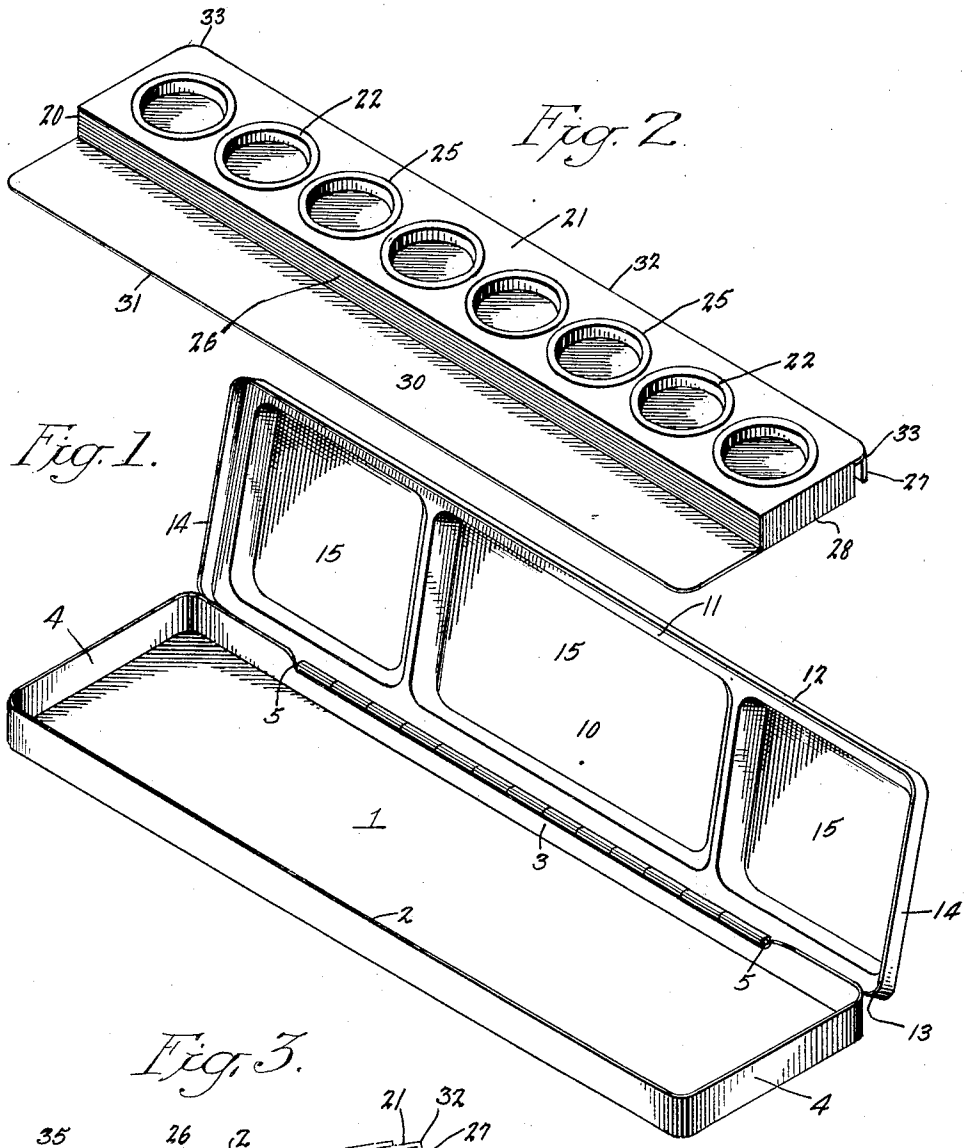
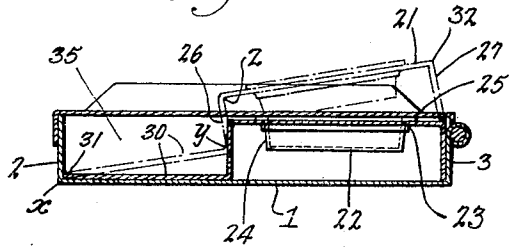


Fig. 2.

Fig. 1.

Fig. 3.



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CONTAINER

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This invention relates to a container for water colors or similar paints in which the various colors are contained within individual cups, which are frictionally supported in a holder. The holder is usually formed integral with or irremovably secured in the paint box so as to provide a space or compartment for brushes and the like within said container.

The object of the present invention is to form the cup holder as a separate unit, which will be securely held within the container but readily removed therefrom for the purpose of cleaning, the removal of empty paint cups, and the insertion of new cups in the holder.

Referring to the drawings:

Fig. 1 illustrates an ordinary paint box having a hinged top;

Fig. 2 illustrates the cup-holder as being removed from the container, illustrating a series of paint cups supported therein; and

Fig. 3 is a transverse sectional elevation of the container with the cup-holder inserted therein.

The container in the present instance comprises a flat bottom 1, a front wall 2, a rear wall 3 and end walls 4, 4, extending perpendicular to the bottom 1. Hinged at 5 to the rear wall 3 is a cover 10 comprising a top plate 11, a front flange 12, a rear flange 13, and end flanges 14, 14, extending perpendicular to the top plate 11 and adapted to overlap the corresponding walls of the container 1. The cover 10 is provided with the usual depressions 15, 15 formed at the top plate 11 to provide the usual dishes for holding water or mixing colors, etc., as desired.

The removable cup-holder 20 in the present instance comprises a top plate 21 having a suitable number of openings for the reception of the paint cups 22, 22, each opening being provided with a depressed flange 23 which is of a more or less resilient nature adapted to frictionally engage the side wall 24 of the cup to hold the same within the opening 22 in the plate 21, each cup having an annular flange 25 which is of greater diameter than the opening 22 in the holder and which prevents the cup from being forced entirely through the said plate 21.

The plate 21 is provided with a depending flange or web 26 extending the full length of the said plate along the front edge thereof. Along its rear edge the plate 21 is provided with a depending flange 27 of substantially the same depth as the front flange or web 26. The plate 21 is also provided with end flanges 28 of substantially the same depth as the front and rear flanges 26 and 27. Extending laterally from the lower edge of the front flange or web 26 in a plane substantially parallel to the top plate 21 of the holder is a bottom plate 30.

The cup holder 20 is adapted to be placed in the container 1 in the manner illustrated in Fig. 3, the front edge 31 of the bottom plate 30 of the holder being first placed in the angle x formed by and at the intersection of the bottom 1 and front wall 2 of the container.

The holder is made of more or less resilient material and in order to position the holder within the container pressure is applied to the rear edge 32 of the top plate 21 of the holder in order to bring the lower edge of the rear flange 27 inside the rear wall 3 of the container, while the front edge 31 of the lower plate 30 is resting in the angle x as above noted. Such application of pressure causes a slight flexing of the web 26 which connects the front edge of the top plate 21 with the rear edge of the bottom plate 30 of the holder, at the points y and z. The said connecting web 26 is thereby flexed from a plane substantially perpendicular of the planes of the substantially parallel plates 21 and 30 respectively into a plane at a slight angle with respect to said parallel plates. The said holder may then be pressed downwardly

into the container, from the initial position shown in broken lines in Fig. 3 to the final position shown in full lines in said figure, the said holder snapping into place with the bottom plate 30 thereof lying substantially on the bottom plate 1 of the container. The inherent tendency of the connecting web 26 to resume its normal plane substantially perpendicular to the plates 21 and 30 causes the plates 21 and 30 to be moved in opposite directions, thereby causing the front edge 31 of the bottom plate 30 to be forced into firm gripping engagement with the front wall 2 of the container, and the rear edge 32 of the upper plate 21 and the rear flange 27 of the said top plate to grip firmly and frictionally engage the rear wall 3 of the container, thereby firmly but removably maintaining the holder 20 within the container 1.

The rear flange 27 and the end flanges 28 of the container do not extend entirely up to the corners at the rear edge of the holder, thus providing a space 33 at each of the rear corners of the holder, under the top plate 21, into which a knife blade or other thin implement may be inserted, after being passed between the edge of the top plate 21 and the adjacent wall of the container, to pry the rear edge of the said holder out of the container, whereby the holder may be readily removed therefrom.

As shown in Fig. 3 when the holder is assembled within the container the compartment 35 is provided in the container for the reception of brushes, etc.

I claim:

1. The combination with a container for color pans, of a pan holder comprising a pair of vertically spaced horizontally parallel plates having a connecting web tending to move said plates in opposite directions into gripping contact with oppositely disposed walls of the container within which the holder is confined.

2. The combination with a container for color pans, of a pan holder comprising a pair of vertically spaced horizontally parallel plates having a connecting web extending substantially perpendicular to said plates and tending to move said plates in opposite directions into gripping contact with oppositely disposed walls of the container within which the holder is confined.

3. The combination with a container for color pans, of a pan holder comprising a pair of vertically spaced horizontally parallel plates having a connecting web formed integral with and extending substantially perpendicular to said plates and tending to move said plates in opposite directions into gripping contact with oppositely disposed walls of the container within which the holder is confined.

4. The combination with a container for color pans, of a pan holder comprising a pair of vertically spaced horizontally parallel plates having a connecting web formed integral with and extending substantially perpendicular to said plates and tending to move said plates in opposite directions into gripping contact with oppositely disposed walls of the container within which the holder is confined, one of said plates being disposed in the bottom of the container and extending partially across the container from one wall thereof, the other of said plates being disposed adjacent the top of said container and extending partially across the container from the said oppositely disposed wall thereof.

5. The combination with a container for color pans, of a pan holder comprising a pair of vertically spaced horizontally parallel plates having a connecting web formed integral with and extending substantially perpendicular to said plates and tending to move said plates in opposite directions into gripping contact with oppositely disposed walls of the container within which the holder is confined, one of said plates being disposed in the bottom of the container and extending partially across the container from one wall thereof, the other of said plates being disposed adjacent the top of said container and extending partially across the container from the said oppositely disposed wall thereof, said connecting web extending between and connecting the inwardly disposed superposed edges of said plates.

6. The combination with a container for color pans, of a pan holder comprising a pair of vertically spaced horizontally parallel plates having a connecting web formed integral with and extending substantially perpendicular to said plates and tending to move said plates in opposite directions into gripping contact with oppositely disposed walls of the container within which the holder is confined, one of said plates being disposed in the bottom of the container and extending partially across the container from one wall thereof, the other of said plates being disposed adjacent the top of said container and extending partially across the container from the said oppositely disposed wall thereof, said connecting web extending between and connecting the inwardly disposed superposed edges of said plates, and a depending flange on the upper plate extending substantially to the bottom of said container to support the portion of said upper plate overhanging from said connecting web.

7. The combination with a container for color pans, of a pan holder comprising a pair of vertically spaced horizontally parallel plates having a connecting web formed integral with and extending substantially perpendicular to said plates and tending to move said plates in opposite directions into

gripping contact with oppositely disposed walls of the container within which the holder is confined, one of said plates being disposed in the bottom of the container and extending partially across the container from one wall thereof, the other of said plates being disposed adjacent the top of said container and extending partially across the container from the said oppositely disposed wall thereof, said connecting web extending between and connecting the inwardly disposed superposed edges of said plates, and a depending flange on the upper plate extending substantially to the bottom of said container and substantially parallel to said connecting web to support the portion of said upper plate overhanging from said connecting web.

8. The combination with a container for color pans, of a pan holder comprising a pair of vertically spaced horizontally parallel plates having a connecting web formed integral with and extending substantially perpendicular to said plates and tending to move said plates in opposite directions into gripping contact with oppositely disposed walls of the container within which the holder is confined, one of said plates being disposed in the bottom of the container and extending partially across the container from one wall thereof, the other of said plates being disposed adjacent the top of said container and extending partially across the container from the said oppositely disposed wall thereof, said connecting web extending between and connecting the inwardly disposed superposed edges of said plates, and a depending flange on the upper plate extending substantially to the bottom of said container and substantially parallel to said connecting web to support the portion of said upper plate overhanging from said connecting web, said upper plate having openings for receiving said individual pans, said openings having depending flanges for frictionally engaging the side walls of said pans.

9. The combination with a container for color pans, of a pan holder comprising a pair of vertically spaced horizontally parallel plates having a connecting web formed integral with and extending substantially perpendicular to said plates and tending to move said plates in opposite directions into gripping contact with oppositely disposed walls of the container within which the holder is confined, one of said plates being disposed in the bottom of the container and extending partially across the container from one wall thereof, the other of said plates being disposed adjacent the top of said container and extending partially across the container from the said oppositely disposed wall thereof, said connecting web extending between and connecting the inwardly disposed superposed edges of said plates, and a depending flange on the upper plate extending substantially to the bottom of said container and substantially parallel to said connecting web to support the portion of said upper plate overhanging from said connecting web, said upper plate having openings for receiving said individual pans, said openings having depending flanges for frictionally engaging the side walls of said pans, and flanges on said pans overlying said upper plate to maintain said pans in definite positions in said openings.

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