Sept. 4, 1951 E. E. ANDERSON 2,566,650

BRUSH HOLDER

Filed July 7, 1948

Fig. 1

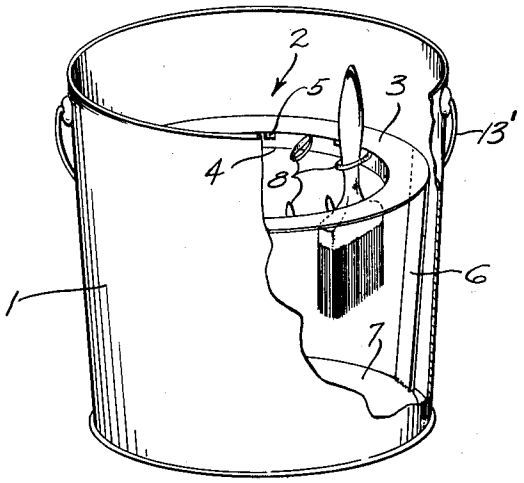


Fig. 3

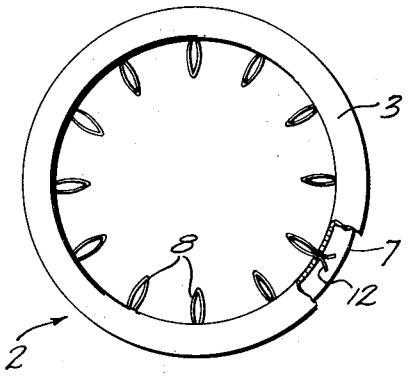
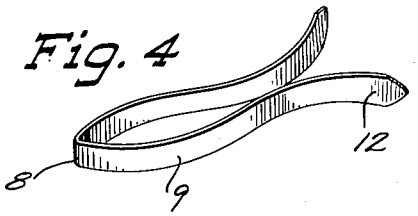


Fig. 4



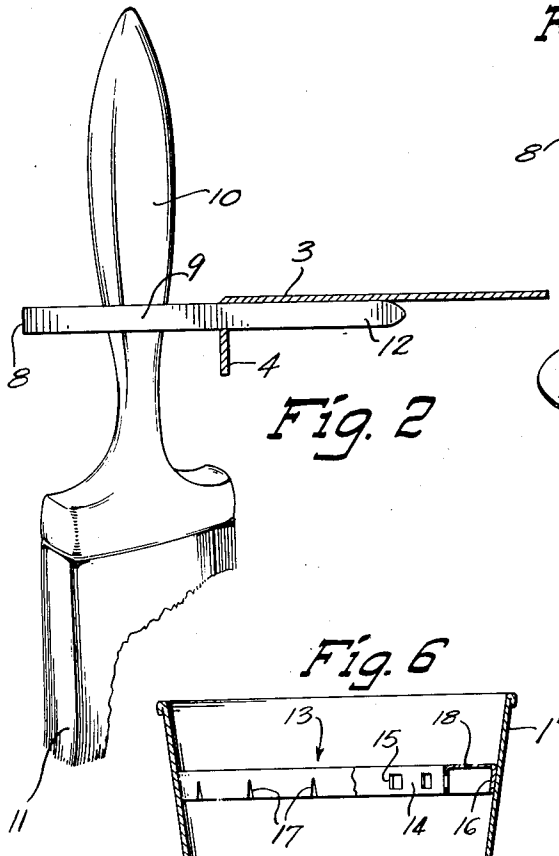


Fig. 2

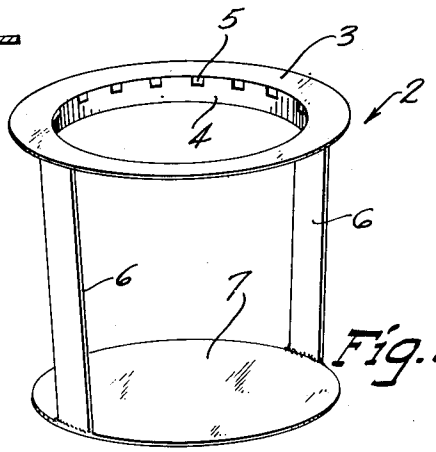


Fig. 5

Fig. 6

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BRUSH HOLDER

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1 Claim. (Cl. 206—15.1)

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This invention relates to a brush holder and is particularly directed to a paint brush holder.

Objects of this invention are to provide a paint brush holder which utilizes a container for holding a solvent for paint or varnish, or for holding any other suitable liquid, and which has a unitary structure or assembly normally located within the container and including a supporting member located above the liquid and provided with removable resilient holding means for holding the handles of different sizes of brushes and so arranged that each brush can be individually adjusted vertically to allow the bristle portion thereof to project into the liquid the exact amount desired.

Further objects are to so construct the resilient holding means, hereinabove described, that each holding means can be quickly detached from the supporting member with the brush and thereafter can be readily detached from the handle of the brush, the construction being such that when it is desired to reposition a brush it is merely necessary to slip one of the resilient holders over the handle of the brush and insert the holder in the supporting means, the resilient nature of the holder allowing the brush to be adjusted upwardly or downwardly as desired.

Further objects, for one form of the invention, are to so construct the device that the unitary structure or assembly consists of a supporting member and a downwardly spaced bottom plate arranged to be lifted directly from the container with the accumulated sediment or solid material carried by the bottom plate, so that such material can be readily scraped from the bottom plate and the unitary assembly repositioned in the container. In this way, the container is kept clean and free of sediment which drops from the brushes or otherwise accumulates on the bottom plate.

Further objects for another form of the invention are to provide a supporting member for detachably receiving the resilient holding means and arranged to be positioned within a container for the solvent and arranged to wedge within the container against the inner walls thereof so that the holding member is positioned above the solvent and may be readily removed from the container when desired.

Embodiments of the invention are shown in the accompanying drawings, in which—

Figure 1 is a perspective view of the device with a part of the bucket broken away and with the removable assembly in place.

Figure 2 is an enlarged fragmentary sectional view through the upper portion of the removable assembly.

Figure 3 is a top plan view of the removable assembly, such view being partly broken away.

Figure 4 is a perspective view of one of the resilient holding means.

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Figure 5 is a perspective view of the removable assembly.

Figure 6 is a view showing a further form of the invention, such view being partly broken away and partly in section.

Referring to the drawings, it will be seen that the device comprises a container 1 which may be in the form of a bucket, if desired, and which has an open top. This container is adapted to receive the removable assembly indicated generally by the reference character 2 in Figures 1, 3, and 5. This removable assembly comprises an annular supporting means 3 which is provided with a downwardly extending flange 4 equipped with a plurality of regularly spaced apertures 5. This supporting means is carried by a pair of uprights 6 which are secured thereto and which also are secured to a bottom plate 7. The bottom plate is sufficiently smaller than the internal diameter of the bucket to allow the removable assembly to be positioned in the bucket with the liquid in the bucket, without squirting the liquid out when the device is lowered, so that the bottom plate rests on the bottom of the bucket or container. A plurality of resilient holding members 8 are provided. These holding members are equipped with outwardly bowed portions 9 which are adapted to receive the handle 10 of a brush with the bristle portion 11 thereof projecting downwardly. The outer ends of the resilient holding members 8 are provided with outwardly turned fingers 12 as shown most clearly in Figure 4.

In using the device, the brush handle 10 is slipped into one of the resilient members by passing it between the fingers 12 and is positioned between the bowed members 9. These resilient, holding members are U-shaped and the fingers 12 have an interlocking relation with the supporting member after they have been passed through the apertures 5 in the vertical flange 4. The resilient member grips the handle of the brush and together with the brush is positioned within the container 1, and the fingers 12 of the resilient holding member are pressed towards each other and inserted in one of the holes 5 in the flange 4 of the upper supporting member 3. The fingers 12, after they have passed through the hole, expand as shown in Figure 3 and bear against the under side of the top of the supporting member 3 and thus hold the resilient supporting member substantially horizontally with the brush held substantially vertically. The container 1 is intended to be partially filled with a solvent for paint or varnish or with any other suitable liquid. This liquid level extends to a point materially below the upper supporting member 3, so that the bristles 11 of the brush may be adjusted to enter or project into the liquid the desired amount. It is obvious that the resilient, frictional grip of the holding members

8 allows individual adjustment of the different brushes vertically upwardly or downwardly to the exact position desired for any given size of brush. Thus the holding means allows widely different sizes of brushes to be held in the correct position irrespective of the shape or size of their handles.

It is obvious that the resiliency of the holding members 8 allows them to adjust themselves and accommodate practically any size of handle that the brushes may have.

It is to be noted that the brushes are held substantially radially of the circular container or bucket 1 and consequently a very large number of brushes can be positioned at one time within the container. If an unusually large or wide brush is encountered, it is obvious that the resilient holding member 8 for such brush can be set at an angle to a radius, that is to say, at an angle to the position shown in Figure 3, to thus accommodate the wider brush.

After the device has been used for a considerable length of time, it will be found that there is an accumulation of sediment on the bottom plate 7. The removable assembly indicated generally by the reference character 2 is then lifted directly from the container and the sediment is scraped from the bottom plate 7, and the assembly 2 is again positioned within the container 1. Thus the container is protected from an accumulation of sediment in the bottom thereof which would ultimately preclude further use of the container.

On the other hand, with a device constructed as hereinabove set forth, it is apparent that the bottom plate 7 of the removable assembly is directly below the brushes and catches all solid material that may drop from the brushes. It is thus an easy matter to keep the device clean and also it is clear that the device will have a long, useful life as provision has been made, as set forth hereinabove, of easily removing any accumulation of sediment.

It will be seen further that the device is very simple in construction and is easy to handle. It is to be noted that it is a simple matter to remove a brush with one of the holding means or members 8 attached thereto, by simply pulling the brush radially inwardly together with the holding member 8. Thereafter the brush is readily removed from the holding member 8.

It is equally easy to reposition a brush as all that is necessary is to slip the handle of the brush between the fingers 12, see Figure 4, of one of the resilient holding members 8 and thereafter squeeze the fingers 12 towards each other and insert them through one of the holes 5 in the upper supporting member 3.

The invention may take other forms, for instance, as shown in Figure 6. In this form of the invention the container is indicated by the reference character 1' and the supporting member is indicated generally by the reference character 13. This supporting member is an inverted annular channel-shaped member and is provided with an annular inner wall 14 provided with a plurality of apertures 15 corresponding to the apertures 5 hereinbefore described and is provided with an outer, annular wall 16 which is preferably notched at intervals as indicated at 17 to provide a certain amount of yield in the outer wall. The outer wall 16 is adapted to wedge or contact with the inner wall of the container 1', the container it being noted being downwardly tapered. This construction

allows the supporting member 13 to be wedged securely within the container so that it will not become dislodged.

The resilient holding members 8, see Figures 1 and 3, have not been illustrated in Figure 6, but they are arranged to be inserted in the apertures 15 after having been positioned around the handles of the brushes as previously described and to have their outer ends bear on the under side of the horizontal portion 18 of the supporting member 13, as previously described.

In this last form of the invention shown in Figure 6, the bottom plate and vertical upright shown in Figure 5 have been dispensed with and instead the holding member 13 is arranged to coact directly with the bucket or container.

The preferred shape of supporting member has been illustrated in the drawings, namely, one of annular contour, but it is distinctly understood that other shapes could be employed if so desired, and also it is apparent that the container could be rectangular instead of circular if so desired.

It will be seen that a very simple and serviceable brush holding means has been provided by this invention which allows the ready individual adjustment of the brush vertically upwardly or downwardly to position the desired amount of the bristle portion of the brush in the liquid.

It will also be seen that the brushes may be most easily positioned and held in the device or may be just as freely removed therefrom. It is obvious also that, if desired, the container or bucket may be provided with a handle as indicated by the reference character 13' in Figure 1.

It is to be understood, that although the brushes are referred to as paint brushes, that the apparatus is suitable for brushes for any other use provided they are of the same general nature as paint brushes.

Although this invention has been discribed in considerable detail it is to be understood that such description is intended as illustrative rather than limiting, as the invention may be variously embodied and is to be interpreted as claimed.

I claim:

A paint brush holder comprising an annular supporting member having an inner wall provided with a plurality of apertures and having an outer wall arranged to wedge against the inner surface of a container and joined to said inner wall by means of a horizontal portion, and a plurality of resilient holding means arranged to frictionally grip the handles of paint brushes and having projecting portions arranged to be freely insertable in and removable from the apertures in said inner wall and arranged to bear against the under side of said horizontal portion.

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