

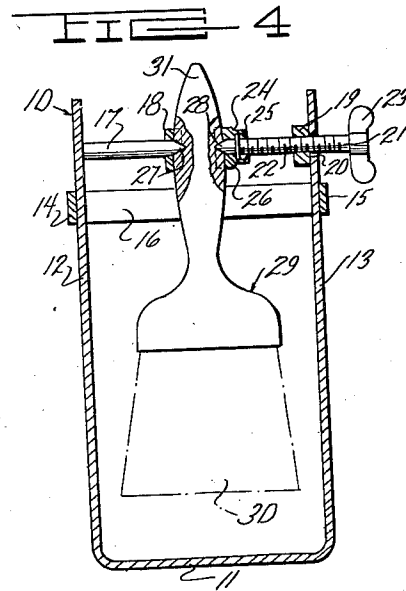
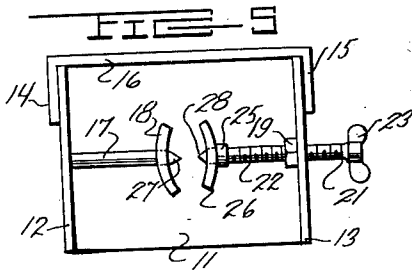
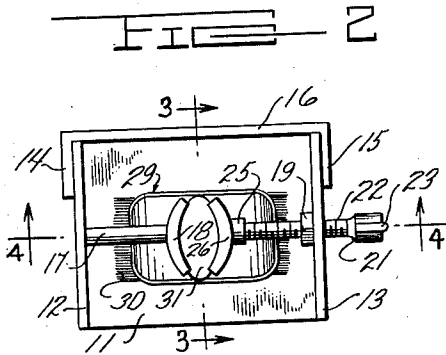
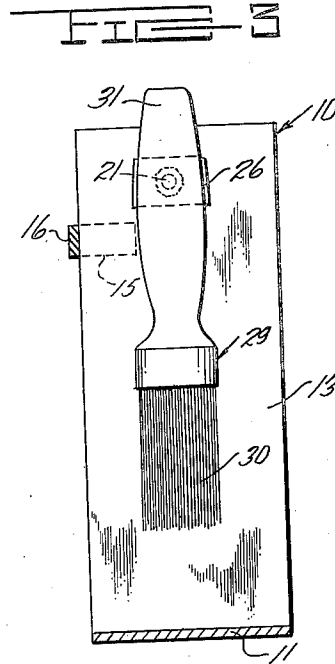
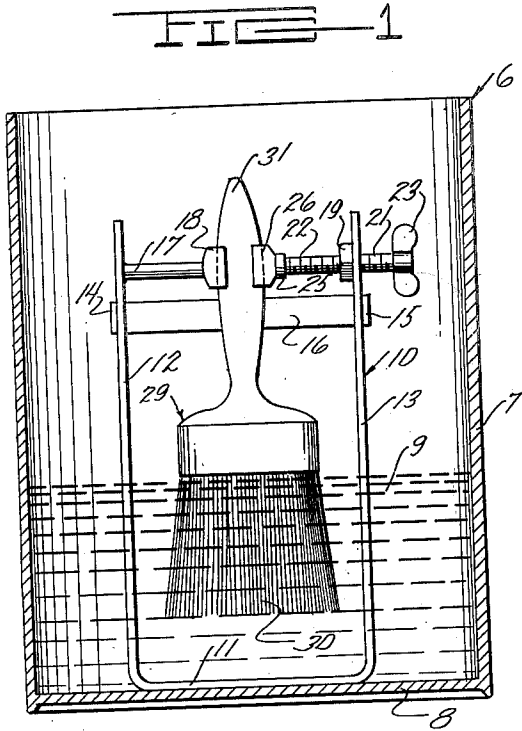
Sept. 5, 1950

G. F. DIVIS

2,521,049

PAINTBRUSH HOLDER

Filed March 25, 1949



INVENTOR.
GEORGE F. DIVIS

BY

McMorrow, Derman + Davidson
ATTORNEYS

UNITED STATES PATENT OFFICE

2,521,049

PAINTBRUSH HOLDER

George F. Divis, Algonquin, Ill.

Application March 25, 1949, Serial No. 83,389

2 Claims. (Cl. 248—110)

1

This invention relates to suspension supports and holders for brushes and the like, and particularly to a paint brush holder.

The main object of my invention is to provide means for suspending a paint brush in a liquid bath to keep the bristles soft by preventing drying out of the paint in the brush.

Another object is to provide a suspension support for a paint brush which is adapted to stand in a liquid-cleaner-containing vessel while holding the brush in pendent position with the bristles immersed in the liquid.

A further object is to have a brush holder of the character indicated which includes facilities for gripping the brush by the handle and thus suspending it.

It is also an object to have such a brush holder which is capable of holding paint brushes of various sizes by simple adjustment upon the holder.

A practical object is, of course, to make a brush holder of the type outlined of simple yet effective form at a reasonable cost.

Other objects and advantages of the invention will appear in further detail as the specification proceeds.

In order to facilitate ready comprehension of this invention for a proper appreciation of the salient features thereof, the invention is illustrated on the accompanying drawing forming part hereof, and in which:

Figure 1 is a vertical section of a liquid-containing vessel in which a paint brush holder made according to the invention and embodying the same in a practical form is shown in operative position as holding a paint brush with the bristles thereof depending in the liquid;

Figure 2 is a plan view of the paint brush holder and brush of Figure 1, as seen from above in that figure, the container or water vessel being omitted for clarity in the view;

Figure 3 is a vertical section taken on line 3—3 in Figure 2;

Figure 4 is another vertical section taken on line 4—4 in Figure 2;

Figure 5 is a plan view of the paint brush holder alone seen from the same position as viewed in Figure 2.

In the various views, the same reference numerals indicate the same or like parts.

Painters and householders who have frequent use for paint brushes are familiar with the necessity of keeping a paint brush in good condition in order to obtain a useful life of service therefrom, and are especially aware of the danger of

2

having a brush become caked with bone-hard concretions of dry paint, if the brush is not protected by immersion in water or the like. However, caring for a brush in such fashion as to prevent drying of the paint and especially to keep the bristles in good, soft condition, has heretofore been a matter of some concern and often considerable trouble with waste of time involved as well. Whether troublesome or not, it has been necessary to take steps to keep paint brushes in good condition inasmuch as they have often represented considerable investment and hence this investment would be lost if the brush became hard and impossible to use. Due to the conditions of using costly paint brushes and the necessity for keeping them in soft, workable condition, the trouble and time involved have always seemed far beyond what should be necessary, and thus presented a problem simply for lack of convenient means for supporting a brush in a liquid vessel, for example. The brush is, of course, first to be washed and cleaned in a liquid cleaner and then suspended in a vessel containing a suitable liquid to keep the bristles soft.

Upon considering this problem, it has occurred to me that a holder for a paint brush should be available which could be placed directly in a liquid-containing vessel in such fashion as to suspend the brush in the liquid and allow the bristles to hang freely so that they would not acquire a bias or the brush become lopsided by resting upon the bristles while in the liquid. As a result, I have succeeded in producing a special paint brush holder for suspending a paint brush within a liquid-containing vessel, as will now be more fully set forth.

Hence, in the practice of my invention, and referring again to the drawing, within a liquid-containing vessel, generally indicated at 6 and having the bounding walls 7 and a bottom 8 is a quantity of liquid indicated at 9. Standing upon the bottom 8 is a removable paint brush holder, generally indicated at 10, which is substantially a U-shaped yoke consisting of a lower horizontal yoke portion 11 and two integral upwardly-extending parallel arms 12 and 13. A distance below the upper ends of arms 12 and 13 are secured a pair of transversely-disposed outer bent ends 14 and 15 of horizontal brace member 16 with the ends 14 and 15 welded, brazed, riveted or otherwise secured to arms 12 and 13 in such fashion as to maintain the latter at a fixed distance apart.

In order to support a paint brush between arms 12 and 13 upon the inner side of vertical arm

3

12 is primarily secured by welding or brazing a horizontal rod or stud 17 at a point higher than the horizontal brace 16 and directed toward the other arm 13, but terminating intermediate both arms and at the inner end having an arcuate clamping jaw 18 secured rigidly thereto.

At a correspondingly-opposite point upon the inner side of arm 13 is welded or brazed a nut 19, while a hole 20 is provided through the arm 13 in register with the threaded interior of nut 19. Through hole 20, as well as nut 19, extends a clamping screw 21 with the threaded shank 22 thereof engaging in the threads within nut 19, while the screw is directed toward the other arm 12 in line with previously-mentioned rod or stud 17. Upon the other end of clamping screw 21 is fixed the winged finger piece 23 by which to adjust the screw, and upon the inner end is a flange 24 rotatable in the hollow collar 25 fixed upon a second clamping jaw 26 which is arcuate and faces the first-mentioned clamping jaw 18.

Preferably, the inner ends of studs 17 and adjusting screw 21 are conically pointed and extend through clamping jaws 18 and 26, as best shown at 27 and 28 in Figure 5, for a purpose which will now be explained. When a paint brush, generally indicated at 29, is to be suspended in such position that the bristles 30 thereof depend into the liquid 9 within vessel 7, the holder 10 is first placed with its transverse yoke portion 11 resting on the bottom 8 of the vessel and adjusting screw 21 screwed outwardly a sufficient distance to allow free insertion of the handle 31 of the brush between jaws 18 and 26. While holding handle 31 with the fingers, the adjusting screw 21 by means of winged finger piece 23 is screwed against the sides of the handle until the points 27 and 28 actually enter the material of the handle, as best seen in Figure 4. It is scarcely necessary to screw up the adjusting screw 21 very hard in order to clamp jaws 18 and 26 very seriously against brush handle 31, but this can, of course, be done, the main dependence being had upon the projection of the opposed points 27 and 28 entering the handle sides and thereby suspending the brush with bristles 30 in the liquid 9. In case it should be desired to omit the projecting points 27 and 28, the clamping jaws 18 and 26, being concavely arcuate upon their opposite facing sides, can readily grip handle 31 between them by friction if adjusting screw 21 is screwed up with sufficient force to exert a little pressure against the handle.

One convenience of the invention is that it is possible to lift the holder bodily out of vessel 7 for inspecting the brush without removing the brush from the holder, and it is also possible to introduce liquid into the vessel to make up for evaporation and depletion, while on the other hand, suspension of the brush prevents the bristles from becoming warped or misshapen due to contact with any object while in the liquid, and thus the brush by being maintained in a moist condition remains soft and ready for instant use at any time.

The holder is preferably made of metal and bent into shape and brazed or welded, as already indicated, and is sufficiently rugged to outwear any brush.

4

Manifestly, variations may be resorted to and parts and features may be modified or used without others within the scope of the appended claims.

Having now fully described my invention, I claim:

1. A paint brush holder adapted to suspend a paint brush by the handle thereof, including a substantially U-shaped yoke having a lower horizontal yoke portion serving to rest on the bottom of a liquid vessel and a pair of substantially parallel vertical arms extending integrally upward from the ends of the yoke portion, a brace interconnecting the arms a distance above said yoke portion, a horizontal stud projecting rigidly inward upon the inner side of the upper portion of one vertical arm toward the other arm and carrying a clamping jaw upon the inner end thereof, the other vertical arm having a hole therethrough in line with the horizontal stud, an internally-threaded member fixed on the inner side of said other vertical arm in register with the hole therein, an adjusting screw extending horizontally through the latter and said internally-threaded member in mesh with the threads therein, a second clamping jaw upon the inner end of the adjusting screw, and a finger piece upon the outer end thereof for adjusting said screw at will and clamping the handle of the brush between said clamping jaws.

2. A paint brush holder adapted to suspend a paint brush by the handle thereof, including a substantially U-shaped yoke having a lower horizontal yoke portion serving to rest on the bottom of a liquid vessel, and a pair of substantially parallel vertical arms extending integrally upward from the ends of the yoke portion, a substantially horizontal brace extending from one arm to the other and having the extremities secured to said arms a distance above the yoke portion, a horizontal stud projecting rigidly inward upon the inner side of the upper portion of one vertical arm toward the other arm and terminating in a conical point and carrying a clamping jaw upon the inner end thereof in such fashion as to expose the point through said clamping jaw, the other vertical arm having a hole therethrough in line with the horizontal stud, an internally-threaded nut fixed on the inner side of said other vertical arm in register with the hole therein, an adjusting screw extending horizontally through the latter and said nut in mesh with the internal threads therein, a second clamping jaw having a hollow collar mounted upon the inner end of the adjusting screw, the latter having a flange disposed within the hollow collar to retain the clamping jaw thereof assembled with said screw, the inner end of said adjusting screw terminating in a conical point opposite that of the horizontal stud and exposed upon the inner side of the second clamping jaw, both clamping jaws being concavely arcuate upon their opposite facing sides, and a finger piece fixed upon the outer end of said adjusting screw for manipulating the latter and clamping the handle of a paint brush between said clamping jaws for releasing said handle therefrom at will.

GEORGE F. DIVIS.

No references cited.