July 19, 1960 G. A. EICHNER 2,945,251

PAINT BRUSH HOLDING DEVICE

Filed June 18, 1958

Fig. 1

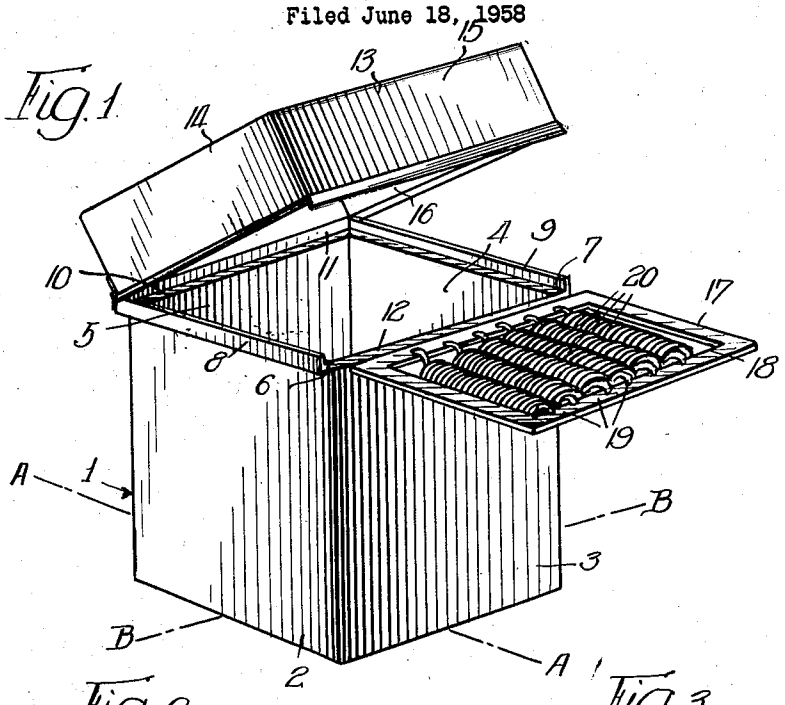
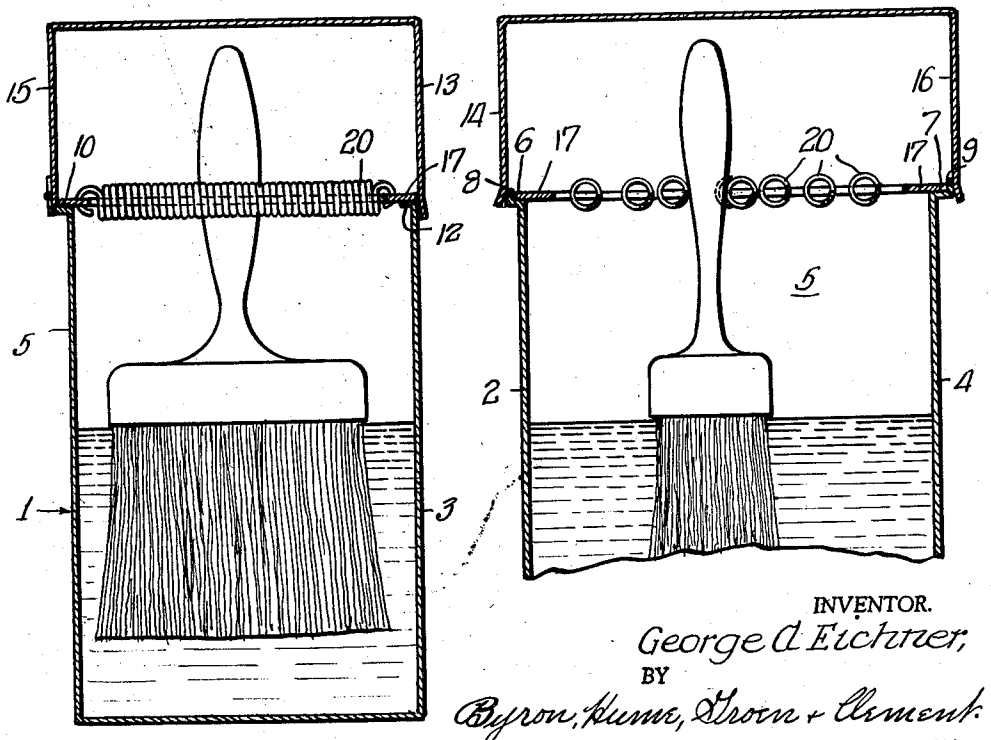


Fig. 2

Fig. 3



INVENTOR.

George A Eichner,

BY

Byron, Kume, Brown & Clement.

attys

United States Patent Office 2,945,251 Patented July 19, 1960

2,945,251

PAINT BRUSH HOLDING DEVICE

George A. Eichner, 1786 White St., Des Plaines, Ill.

Filed June 18, 1958, Ser. No. 742,841

1 Claim. (Cl. 15—121.3)

This invention relates to a paint brush holding device which utilizes a plurality of closely spaced resiliently mounted elongated members to hold a paint brush upright within a solvent in order to maintain the softness of the brushes and which is further adapted for removing excess solvent from paint brushes prior to use.

Paint brush holders formerly have been concerned merely with providing a device for securing the handles of paint brushes so that the brush may be maintained within a solvent without being deformed. The devices of the prior art have used various clipping devices which were suitable for the single purpose of holding the brush handle.

One of the problems which arises in connection with paint brush holding devices is that prior to using the brush, the excess solvent must be removed from the brush so as not to dilute or discolor the paint to be used. Due principally to the types of clamping device used, previous holding devices were not able to perform the function of removing excess solvent fluid prior to use.

Therefore, it is an object of this invention to provide a paint brush holding device which utilizes a plurality of resiliently mounted elongated members to retain the paint brush handles so that the brushes may be thoroughly saturated with solvent without being deformed, and which is further adapted to remove excess solvent from the brush when it is removed from the holder.

Paint brush holding devices which have utilized a handle-retaining means or clip which required that the paint brush handle be inserted into the holding device in a horizontal manner have necessitated allowing sufficient space over the solvent for such insertion.

Therefore, it is an object of this invention to provide a paint brush holding device which utilizes a plurality of resiliently mounted elongated members into which the handles of paint brushes may be inserted vertically so that the space above the cleaning solvent may be effectively utilized for holding additional brushes.

It is the further object of this invention to provide a paint brush holding device which utilizes a removable tray formed with an opening across which parallel coil springs are stretched to retain the paint brushes in combination with a receptacle and means for holding the tray in spaced relation to the solvent, and which is further provided with a closure means for sealing the retainer against vaporization of the solvent fluid. Other objects of the invention will become evident from the drawings, description and the claim.

In the drawings:

Fig. 1 is a perspective view of the preferred form of the invention.

Fig. 2 is a cross-sectional view taken along lines A—A of Fig. 1.

Fig. 3 is a cross-sectional view taken along lines B—B of Fig. 1.

In Fig. 1, a fluid retaining receptacle 1 is shown which may be made of any suitable material capable of retaining a paint solvent without deteriorization or leakage. In the form shown, this retainer is made of sheet metal. Although most any form sufficient to retain the solvent fluid may be used and adapted to perform the function which is the subject matter of this invention. In the form shown, the sheet metal is formed into four sides. Sides 2 and 4 are formed at their upper end with shoulders 6 and 7 which extend outwardly and terminate in vertical wall portions 8 and 9 respectively. Side 5 is likewise formed with a shoulder 10 which extends into a vertical wall 11. Side 3 is joined to sides 2 and 4, and at the upper end is bent to form a ledge portion 12. Closure means 13 is formed with the three front sides 14, 15, and 16 extending downwardly into outwardly extending eaves. In the form shown, the eave extending from side 15 should extend downwardly further than the eaves on the other two sides so that when the closure 13 is shut, a relatively airtight seal is effected around the entire top of the retainer. Further, various types of sealing means such as rubber strips, etc., may be used on the side wall portions 8 and 9, and the upper part of side 3 or in the alternative on the corresponding parts of closure 13 in order to effect better sealing.

Tray 17 may be formed of any suitable material and is provided with an aperture or opening indicated generally at 18, as large as can be permitted and still retain the strength of tray 17. The front and rear sides of tray 17 are provided with apertures 19 into which are inserted the ends of coil spring members 20. Preferably, these coil spring members are of such size that when the ends are inserted into the apertures formed on the opposite sides of tray 17, they are under some tension. It will be noted that these coil springs are located quite closely to each other for a function which will be described later. Although coil springs are shown in the preferred embodiment, any substantially elongated member, if resiliently mounted, could be used to effect the purpose of this invention, although a tubular or cylindrical member is more effective.

The paint brush holding device of this invention is used as follows: First, the retainer member 1 is filled with fluid to a height slightly greater than that of the brush portions to be accommodated. A brush handle is then inserted upwardly between two successive coil spring members 20 in tray 17 while the tray is removed from retainer 1. Tray 17 is then placed vertically downwardly on the shoulders 6 and 7 formed in the sidewalls 1 and 4.

Although shoulders 6 and 7 are shown in the preferred embodiment, any means may be used which will hold the tray in spaced relation to the solvent and which permits the tray to be lifted vertically.

The closure member 13 is then closed and the sealing effect of the closure in relation to the retainer minimizes the vaporization of the solvent.

When additional paint brushes are to be added, closure member 13 is lifted, tray 17 is lifted vertically upward, and the additional brush is inserted from the under side of tray 17 between two adjacent coiled spring members 20. Tray 17 is then lowered onto the shoulder of 6 and 7 and closure 13 moved into sealing relation with retainer 1.

When it is desired to remove a paint brush from the holding device, the part of the brush holder extending above the coil spring members may be grasped and the brush pulled vertically upward through the space between the adjacent coil spring members 20. Due to the close spacing of the coil spring members, they will act upon the brush portion to remove excess solvent. The brush is then ready for use.

I claim:

A paint brush holding device comprising a fluid retaining receptacle having a bottom and four upwardly extending and joined side walls, two opposing parallel guide

shoulders each integral with one of said sides, a rectangular tray supported vertically on said shoulders and having a central rectangular opening, a plurality of tightly coiled adjacent coil spring members extending across said opening for receiving the handle of a paint brush therebetween and for squeezing out excessive solvent when the brushes are removed vertically from said tray, and a lid hingedly secured to one of said side walls for covering the receptacle and brushes in sealing relationship to prevent evaporation of said solvent, wherein said guide shoulders permit said tray to be lifted vertically upwardly over said retainer to receive subsequent brush handles inserted from the under side.

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