July 28, 1942. P. J. MILLSTONE ET AL 2,291,343

HOLDER

Filed March 12, 1941

Fig. 1.

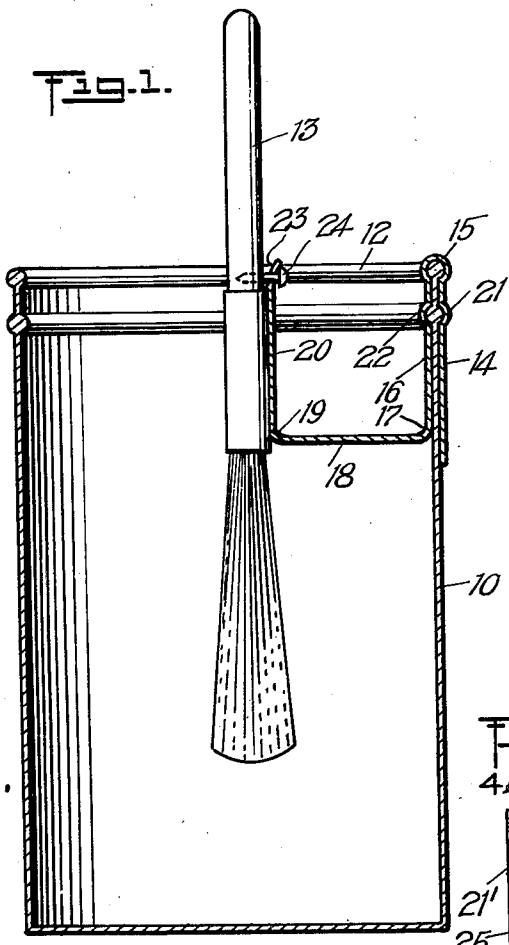


Fig. 2.

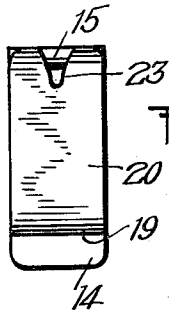


Fig. 3.

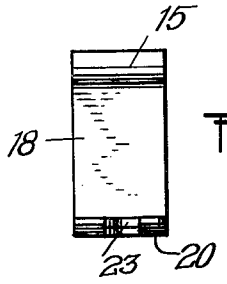


Fig. 4.

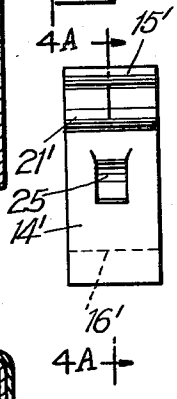


Fig. 4A.

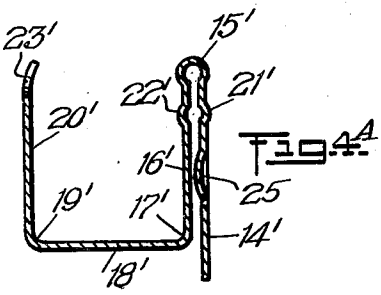


Fig. 6.

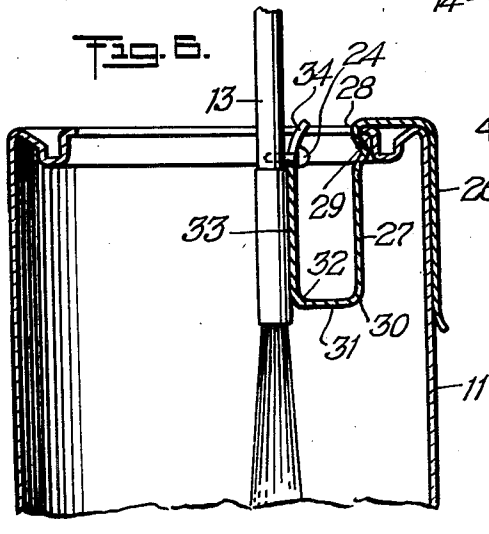
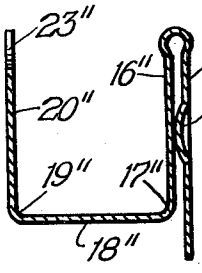


Fig. 5.



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HOLDER

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2 Claims. (Cl. 248—360)

This invention relates to improvements in holders, and more particularly to brush holders.

Objects

Among the principal objects the present invention has in view are: to provide an improved holder for retaining a brush suspended in a vertical or upright position within a container or the like; to provide a holder having means for attaching the same to the outside periphery of a container or the like; to present a construction whereby a brush or the like will not come in contact with the inside walls of a container or the like; to provide a holder having means whereby a brush or the like will be held in upright position and spaced a relative distance from the inside wall of a container or the like; to provide a holder having means for securely gripping a part of a container or the like; to provide a removable holder adapted for attachment to a container or the like of various sizes and diameters; to provide a holder having resilient means for securely gripping the outside wall of a container or the like; to provide a holder of simple construction and adaptable for attachment to containers having openings of varying constructions; to secure simplicity of construction and operation; and to provide other advantages and results as may be brought out in the following description.

Drawing

Figure 1 is a vertical sectional view of a container or the like to which a holder with a brush is attached;

Figure 2 is a front elevation of our improved holder;

Figure 3 is a top plan view of the holder;

Figure 4 is an outside elevation of the holder showing a modified construction;

Figure 4A is a sectional view of the holder taken on line 4A—4A of Figure 4;

Figure 5 is a similar sectional view of a further modified construction of holder; and

Figure 6 is a similar view of a still further modified construction of holder and shown as attached to a container embodying a different construction than that of Figure 1.

Description

Heretofore many disadvantages have been encountered in the handling of paint brushes when shifting a can of paint from place to place and the disposition of brushes when not in use. Furthermore, the better grade of brushes are expensive and lack of proper handling has shortened the life of the brushes. It is well known that securing of brushes to a container or the like in the present day practice has not been accomplished with any success, since the brushes are not retained in the containers having paint, in an upright position, or free of contact with the walls of such containers. These mentioned disadvantages and others not only have caused the bristles to curl, as well as resulting in distortion of the same, that regardless of saturating them in turps or other paint removers, the life and use of such brushes has resulted in destroying it long before it is usually necessary to discard a brush. It is to overcome these difficulties and disadvantages that the present invention is directed, and we have found it to be very advantageous to the longevity of the brush and at the same time convenient to a user to be enabled to have the brush in readiness for use at all times.

Referring now more particularly to the several figures of the drawing, there are illustrated in Figures 1 and 6 standard types of paint containers or the like, 10 and 11 respectively, and such as are in present day use. However, it is to be understood the showings of such containers are merely illustrative, as other types of containers likewise may be used in the application of the invention.

The top of container 10 illustrated in Figure 1 may be defined generally as one wherein one or more circumferential beads 12 are provided next the top or open edge of the container. One form of holder for utilization with type of container 10 is illustrated in Figures 1 to 3 inclusive. As there shown, the holder comprises a suitable bent or formed piece of strip metal having both adequate strength and resiliency for the use for which it is employed. The strip is bent so as to provide a clip portion for resilient and gripping attachment to the container and provides a bracket portion on which the paint brush 13 may be definitely supported when not in use. The clip portion of the bracket is formed by bending two parts of the strip into parallel or flatwise contiguous association, this bending providing an outside end portion 14 which in use will be situated vertically at the outside of the wall of the container. At the upper end of this outside clip portion 14 is a reverting bend 15 by which the next portion of the strip returns to parallel and contiguous relationship to the outside portion 14, and constitutes an inside clip portion 16. At the lower end of this inside clip portion, the metal is

bent inwardly at right angles, as at 17, to form a horizontal or transverse arm 18 for the bracket portion of the holder. The metal is again bent, this portion upwardly at 19, to provide an upstanding bracket arm 20 parallel to but spaced inwardly, from the inside clip portion 16.

Preferably, the outside clip portion 14 has a length greater than the inside clip portion 16, thereby making it more convenient for the user to apply the holder to the edge of a container and force the holder downwardly home upon the container wall. The reverting bend 15 is preferably of an enlarged character so as to accommodate the aforementioned usual bead 12 on the edge of the container. For use with containers having more than one bead, the outside and inside clip portions 14 and 16 may have other arcuate bends 21, 22 respectively to accommodate such bead. The resiliency and the shape of the metal of the holder is preferably such that the inside and outside clip portions normally press toward each other, and therefore, when slid onto a container wall will resiliently grip that wall and retain the holder in place on the container. The transverse bracket arm may be made of any suitable length and preferably is long enough to entirely space the brush from the container wall and yet short enough so the holder will be usable in various sizes of containers. Likewise, the said transverse bracket is only a short distance below the upper reverting bend 15 of the clip portion so that a brush supported by the holder will be spaced well above the bottom of the container and thus assure that the bristles of the brush will hang freely and not be bent by engagement with the bottom of the container.

Support of the brush 13 on the holder may be conveniently obtained by providing a converging slit 23 in the upper edge of the upright bracket arm 20, said slit preferably extending downwardly from the upper edge of said bracket arm. The nail or other headed means 24 may be provided in the side of the brush handle ferrule, the head of said nail being spaced from the handle to permit the shank of the nail to be introduced into said slit 23 of the holder. If so desired, the upper or lip edge of the bracket arm 20 may be slightly curled toward the clip portion of the holder as shown in Figure 1. However, this curling is a matter of choice and, if preferred, the curling may be omitted as illustrated in Figure 5. The container can be carried around with the brush supported as illustrated and may be left suspended in the paint or other fluid in the container without becoming distorted or otherwise damaged. The holder is firmly rooted, and yet, when desirable to remove it for applying to another container it can be readily slid from place by exertion of appropriate upwardly pressure thereon.

In Figures 4 and 4A, a modified construction of holder is illustrated wherein outside clip portion 14' is spaced from the inside clip portion 16' in parallel relation thereto when not applied to a container. The gripping action is obtained by stamping a resilient tongue 25 from one of the clip portions, for instance at a mid-portion of outside clip 14'. This resilient tongue is curved longitudinally inward toward the other clip portion and this resilient pressure against the container will obtain the desired gripping of the holder in place upon the container. In other respects, the holders of Figures 4 and 4A are as described above, providing a reverting bend 15', a bottom end 17' having a horizontal portion 18' of a bracket with a second bend 19' to obtain the vertical or upstanding portion 20' of the bracket, which as before, has a vertical nail receiving tapered slot 19' and again shown with the lip portion adjacent the slot slightly curled. This construction of Figure 4 likewise provides the additional outward bends 21', 22' for accommodating an extra bead on the container.

It is to be understood in event the holder is to be used on containers not having a second bead, the outward bend just mentioned may be omitted, as shown in Figure 5. There again the outer and inner portions 14'' and 16'' of the clip are shown substantially parallel and provided with a resilient tongue 25'' for obtaining the gripping engagement of the container. In this instance, also the lower end of the inner clip portion 16'' is bent at right angles as at 17'' to form the transverse bracket 18'' which is again bent at 19'' to form the upstanding bracket arm 20''. The upper end of this bracket arm 20'', as before, has an upstanding open tapering slit 23'' for receiving the headed means or nail protruding from the brush.

For use with types of containers 11 as shown in Figure 6, wherein the upper open edge of the container flanges inwardly, the holder is constructed to have its outer and inner clip portions 26, 27 respectively, spaced far enough apart to permit introduction of the flanged edge of the container therebetween with slight flexing so as to obtain a gripping action upon the container. For purposes of obtaining the deflection and gripping action, the upper inner bend 28 of the clip portion is appropriately rounded and shaped to take over the inwardly directed flange 29 of the container. The inner gripping portion 27 extends downwardly as before, and is bent at right angles as at 30, to provide a horizontal bracket arm 31 which is again bent at right angles at 32 to provide an upstanding bracket arm 33. The upper edge of this bracket arm is provided with a downwardly extending tapered slot 34 to receive nail or headed means 24' on brush 13 as heretofore described.

Obviously detail changes and modifications may be made in the construction and use of our improved holder without departing from the spirit and scope of the invention as defined by the following claims when construed in the light of the prior art.

We claim:

1. A holder of the character described comprising a plurality of substantially parallel portions of which a pair of said portions cooperate to comprise a clip for securing the holder on the brim of a can or the like, and another of said portions is spaced inwardly from said pair and is provided with permanently open and upwardly directed receiving means into which a part of an article to be supported may gravitate and from which said article may be freely lifted.

2. A holder of the character described comprising two U-shaped portions of which one is inverted with respect to the other and said portions each having one leg of the U-shape constituting a leg of the other U-shape thereby obtaining but two ends of which one end is directed upwardly and the other downwardly in use, the upwardly directed end having means for receiving and supporting an article part resting thereon by which said article may be freely suspended from said holder.

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