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DETACHABLE HANDLE, BRUSH HOLDER, AND
DRAIN TROUGH UNIT FOR PAINT PAILS
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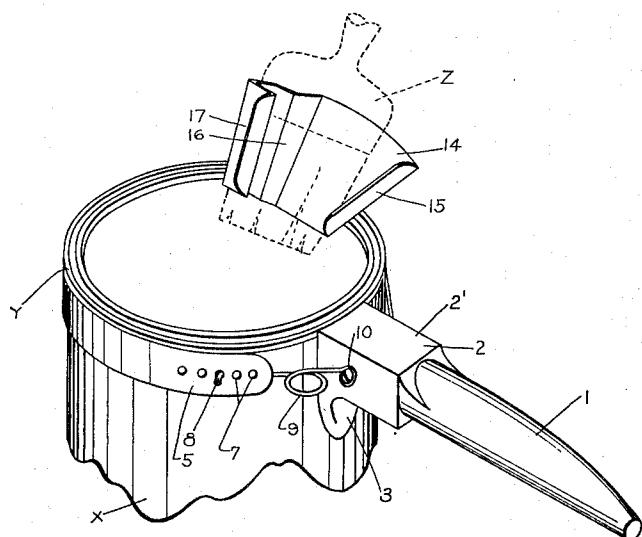


Fig. 1

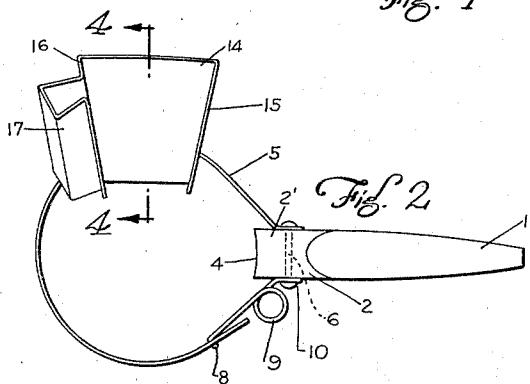


Fig. 2

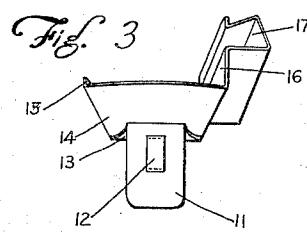


Fig. 3

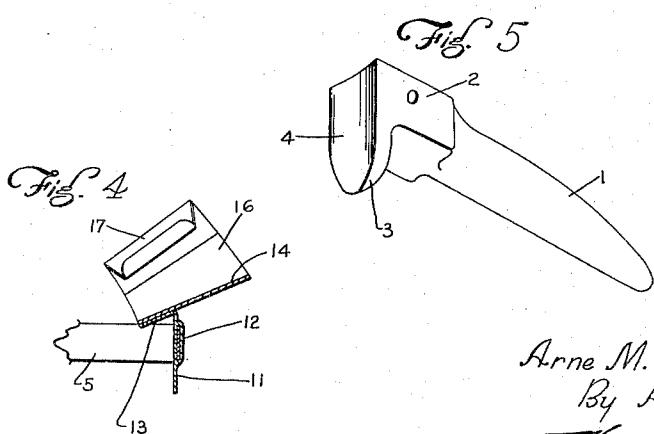


Fig. 4

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Fig. 5

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DETACHABLE HANDLE, BRUSH HOLDER, AND DRAIN TROUGH UNIT FOR PAINT PAILS

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2 Claims. (Cl. 294—27)

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My invention relates to detachable handle and brush holder units for paint pails and the like and has for its principal object the provision in one unit of a detachable handle, brush holder, and drain trough.

Another object of my invention is the provision of a device of the type immediately above described which can be adjusted to fit varied sizes of paint pails within a given range.

Another object of my invention is the provision of such a device which is inexpensive to manufacture, easy to install on a paint pail, and durable in use.

The above and still further objects and advantages of my invention will become apparent from the following detailed specification, appended claims, and attached drawings.

Referring to the drawings, wherein like characters indicate like parts throughout the several views:

Fig. 1 is a fragmentary perspective view of a paint pail having my device attached thereto;

Fig. 2 is a plan of my improved handle and brush holder removed from a paint pail;

Fig. 3 is a view in rear elevation of the brush holder and drain trough of my device;

Fig. 4 is a fragmentary view in section, taken on the line 4—4 of Fig. 2;

Fig. 5 is a perspective view of the handle used in my device.

Referring with greater particularity to the drawings, I provide a handle 1, which, as shown, is provided with an enlarged inner end portion 2 from which depends a toe 3. As shown, particularly in Fig. 5, the extreme inner end 2 of the handle portion 1 and the toe 3 are provided with aligned arcuate faces 4, the axis of which is perpendicular to the axis of the handle 1. As shown, the faces 4 are joined to form a continuous paint can engaging surface.

An elongated clamping band 5 is shown as having one end pivotally secured to one side of the handle 1 by means of a pivot pin 6 extending transversely through the inner end portion 2 of the handle 1. The band 5, adjacent its free end, is provided with a plurality of longitudinally-spaced perforations 7 in which are adapted to be received the hook-shaped end 8 of a resilient clamp section in the nature of a torsion spring 9. The opposite end of the spring 9 is formed to provide a loop 10 which is pivotally secured to the pivot pin 6 on the side of the handle portion 2, opposite the pivoted end of the clamping band 5. The axis of the pivot pin 6 is spaced outwardly from the arcuate faces 4 and downwardly from

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the top surface 2' of the handle 1. It will be noted, by reference to Figs. 1 and 5, that the distance from the arcuate faces 4 to the pivot pin 6 is greater than the distance between the pivot pin 6 and the top surface 2', for a purpose which will hereinafter become apparent.

When it is desired to apply the handle 1 and the clamping band 5 to a paint can, indicated by the letter x, the handle 1 is rotated with respect to the clamping band 5 and the torsion spring 9, so that it extends substantially at right angles thereto. The band 5 is then wrapped around the upper end of the paint can x immediately underlying the circumferential flange y thereof, and the hooked end of the spring 9 is passed through an adjacent aperture or perforation 7 in the clamping band 5. The handle 1 is then moved outwardly and downwardly to the full line position of Fig. 1 so that the faces 4 engage the outer periphery of the paint can x. Moving the handle 1 from its vertical dotted line position to its substantially full line position of Fig. 1 moves the axis of the pivot pin 6 outwardly from the periphery of the paint can x, whereby to place the torsion spring 9 under tension to grip the clamping band 5 tightly around the periphery of the paint can x. In a paint can supporting position, the toe 3 is sufficiently distant from the pivot pin 6 so as to preclude any pivoting action of the handle in a further downward direction.

For the purpose of mounting my novel paint brush drain board and clip, I provide a mounting bracket 11, the intermediate portion of which is provided with a loop 12, in which is slidably received the clamping band 5. The upper end of the bracket 11 is formed to provide a forwardly inclined member 13 which overlies the open upper end of the paint pail when the clamping band 5 is in operating position. Secured to and carried by the member 13 is a forwardly inclined drain board 14 having upwardly projecting inwardly converging side walls 15 and 16 respectively, which extend the full length of the drain board 14 and terminate well within the circumferential limits of the opening in the pail x.

Preferably and as shown, one of the side walls, shown as being side wall 16, is formed thereabove to provide a resilient friction clip 17 which is adapted to frictionally grasp the side portion of a brush inserted therein, as shown by dotted lines in Fig. 1.

Also preferably and as shown, elements 11, 12, 13, 14, 16, and 17 are all formed integrally from a single piece of sheet metal, although it should

be obvious that any other suitable material could be utilized. Furthermore, it should be obvious that a paint brush z may be either laid on the drain board 14 in which position the converging side walls 15 and 16 will prevent it from slipping downwardly into the can, or, if desired, the brush may be placed within the clip 17 for greater security.

While I have shown a preferred embodiment of my invention, it should be obvious that the same is capable of modification without departure from the scope of the appended claims.

What I claim is:

1. A detachable handle assembly for a paint can having a circumferentially-extended radially outwardly-projecting rim adjacent its upper end, said handle assembly comprising, a rigid handle and an elongated clamping band pivotally secured to one side of said handle, the free end of said band being provided with a plurality of longitudinally-spaced apertures, and a torsion spring secured to said handle on the side opposite that of the handle, said torsion spring terminating in a hook at its free end which is adapted to engage one of the apertures in the said clamping band, said handle band and torsion spring cooperating to encompass said paint can immediately below the rim thereof.

2. The structure defined in claim 1 in which said clamping band and torsion spring are secured to opposite ends of a common pivot pin extending transversely through said handle, the

axis of said pivot pin being spaced outwardly from the inner end of said handle and downwardly from the top thereof, the distance from the inner end of the handle to the axis of said pivot pin being greater than the distance between the top of the handle and said pivot pin.

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