Sept. 25, 1956 H. K. MULCAHY 2,763,880

PAINT CONTAINER

Filed May 4, 1953

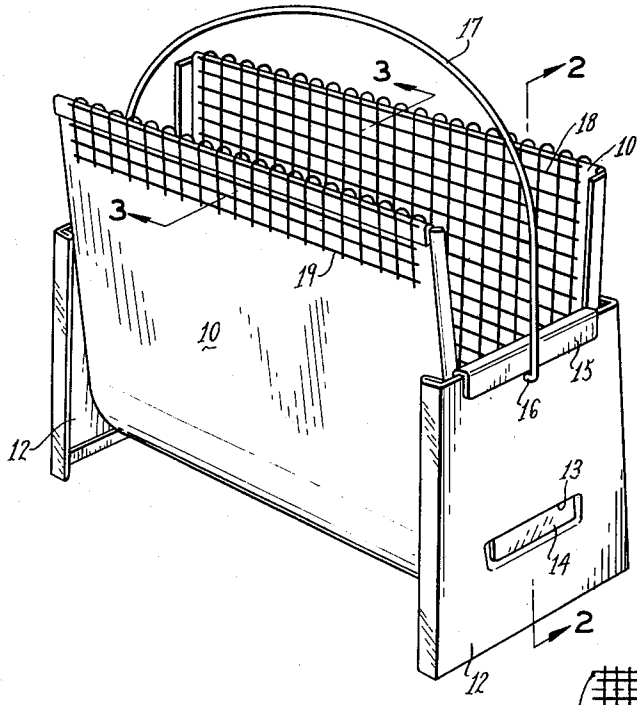


FIG. 1.

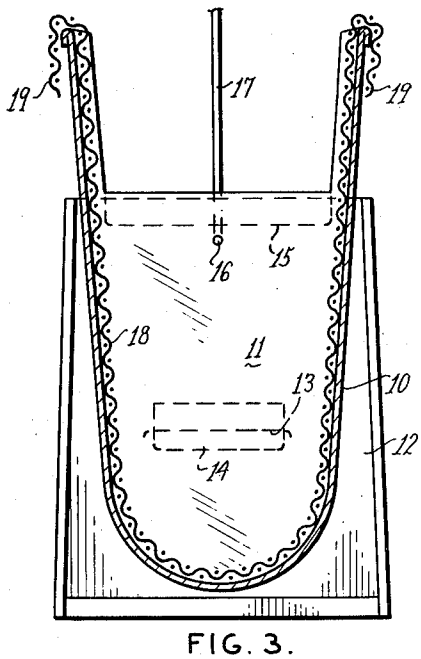


FIG. 3.

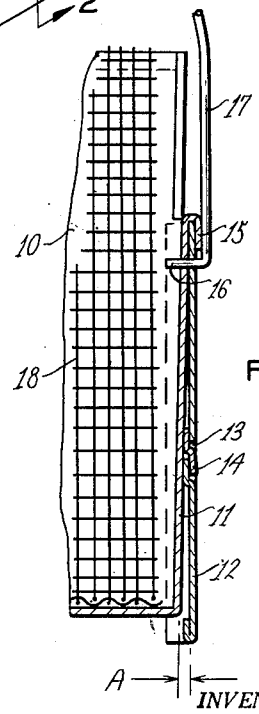


FIG. 2.

INVENTOR.

HARRY KENDALL MULCAHY

BY

ATTORNEY

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PAINT CONTAINER

Harry Kendall Mulcahy, Sappington, Mo.

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4 Claims. (Cl. 15—121.2)

This invention pertains to containers for paint for use by painters while applying the paint to the surface to be covered. More particularly, it pertains to such containers adapted for use with the roller type of applicator.

An object of this invention is to provide a container of convenient shape and size which will stand upright so that the roller applicator may be easily inserted thereinto.

Another object is to provide such a container with one or more walls having an interior surface which is roughened so that the roller may be rolled along the surface to set the paint in the nap of the roller.

A further object is to provide the container with such a rough surface applied in such a manner that the container may easily be cleaned.

Another object is to provide such a container which may be "knocked down" into collapsible parts which may be nested and otherwise assembled in a small space for packing and storage.

Generally stated, the container of this invention comprises a container body having side and end walls assembled to form a generally rectangular horizontal cross-section. This body is generally wedge-shaped so that a number of containers may be nested one within the other. Detachable feet may be assembled at the end walls to hold the container upright. Removably mounted on the side walls is a wire grill extending the full length of each of the side walls and against the bottom. This grill forms the rough surface against which the roller may be rolled.

A preferred embodiment of this invention is shown in the accompanying drawings, in which—

Fig. 1 is a perspective view of a container embodying this invention;

Fig. 2 is a vertical detail section on line 2—2 of Fig. 1; and

Fig. 3 is a central vertical section taken on line 3—3 of Fig. 1.

Referring to the drawing, the container body is made up of a pair of side walls 10. These may be formed so that both of these walls and the bottom are formed of a single piece of sheet metal. These walls are generally flat, though they may curve slightly inward at the bottom. Their form is such, however, that their horizontal elements are all substantially straight so that the surface of a cylindrical roller may contact a wall throughout its length. The walls 10 are joined by end walls 11 welded, soldered, or otherwise secured thereto by a joint tight enough to hold the paint. The side walls 10 are preferably made to extend a substantial distance above the end walls as shown in Fig. 1 so that a portion thereof will extend above the normal level of the liquid paint in the container. The end walls 11 may also be slightly tapered as indicated at A, Fig. 2, so that a number of containers may be nested one within the other.

In order to provide a roughened surface for the interior of the walls 10, a liner 18 is provided. This may be formed of wire in grill form or otherwise so that it

may provide a rough surface which will cause the roller to roll when applied thereto. It may be of wire, or a perforated or corrugated sheet, or of other material adapted to provide such a roughened surface. The liner is formed so as to extend along the walls 10 and to cross the bottom of the container as shown in Fig. 3, and its upper edges may be turned back over the top edges of the walls 10, as indicated at 19. The turned-over portion 19 may be formed to engage the walls tightly enough so as to hold the liner against accidental displacement. It may, however, be removed by simply slipping it off of the walls 10 and removing it from the container. When so removed, both the liner and the container may easily be cleaned.

In order to support a container in operative position, a pair of legs 12 may be provided. These may be of sheet metal formed, as shown, to fit against the end walls 11. Said end walls may be turned over at their tops so as to provide down-turned flanges 15. Each leg 12 may be assembled by slipping its upper edge underneath the flange 15 as shown in Figs. 1 and 2. The leg 12 is provided with a slot 13 adapted to receive a fin 14 secured to the wall 11. As the upper edge of the leg 12 is moved under the flange 15, the fin 14 is slipped into the slot 13 so that when pushed home, the leg 12 is securely held to the end wall 11. In order to secure the legs in this asembled position, inturned shanks 16 on a bail handle 17 are inserted in aligned holes in the foot 12 and the wall 11, as shown in Fig. 2. This prevents the foot from slipping out of engagement with the flange 15 and the fin 14. At the same time, the bail 17 provides means for moving the container from place to place.

It will be seen that this invention provides a container of simple and cheap construction which is particularly adapted for use with a roller applicator. The container stands upright on its feet 12, and may easily be moved about by means of the bail 17. The applicator may be dipped into the paint from the top. The container is preferably made of such a size as to hold conveniently the standard amount of paint used for the operation involved so that the level of the liquid is not far below the upper edge of the end walls 11. Since the walls 10 extend above the walls 11, this upper extent provides a portion which is out of the liquid paint on which the roller may be rolled to set the paint so as to avoid drippage as the roller is transferred to the surface being painted. It will be noted also that since the liner 18 is removable, the interior surface of the container may be perfectly smooth so that it may be easily cleaned. The liner also may be easily cleaned, as by removal all parts of it become accessible.

Various changes may be made in the details of construction, within the scope of the appended claims, without departing from the spirit of this invention. Parts of the invention may be used without the whole and improvements may be added while retaining some or all of the advantages of the invention.

I claim:

1. A paint container adapted for use with a roller applicator comprising; a deep container body having end walls and upright side walls having substantially straight horizontal elements but sloping downward and toward each other to form an upright wedge-shaped container large enough to receive the roller, and a wire grill formed to provide a liner extending along said side walls and the bottom of said container.

2. A paint container adapted for use with a roller applicator comprising; a deep wedge-shaped container body having upright side walls and end walls, said end walls being formed with down-turned top flanges, demountable feet for said container attachable thereto by inserting their upper edges under said flanges, and fins on said

end walls insertable into slots in said feet to secure the latter to said body below said flanges.

3. A paint container adapted for use with a roller applicator comprising; a deep wedge-shaped container body having flat upright tapered side and end walls, a rough-surfaced liner removably mounted on one of said side walls, said end walls being formed with down-turned top flanges, demountable feet for holding said container in upright position attachable thereto by inserting their upper edges under said flanges, means securing said feet to said body below said flanges, and a bail having shanks insertable into aligned holes in said feet and said end walls to secure said feet in place, whereby detachment of said liner and said feet permits nesting of a plurality of said container bodies.

4. A paint container for use with a roller applicator, comprising, a deep container body having substantially flat upright side and end walls, said side and end walls being slightly tapered so that a plurality of such containers may be nested one within another, one of said side walls extending a substantial distance above said end walls, removable legs attachable to said body to hold the same in upright position, and a wire-grill liner removably mounted to lie against said extended side wall.

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