Aug. 10, 1954 E. THORSON 2,686,032

PAINT PAIL SUPPORT

Filed March 16, 1951

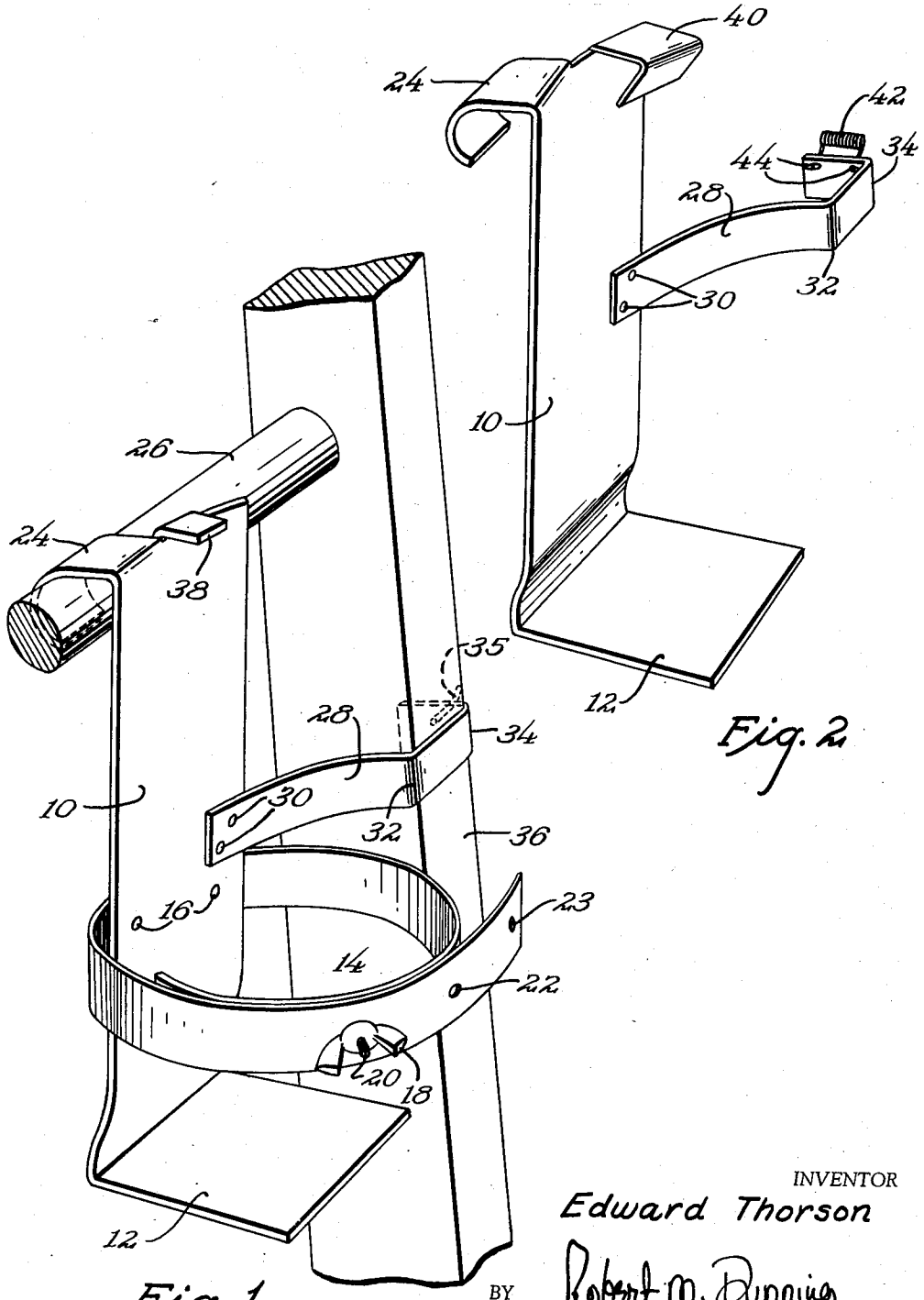


Fig. 2

Fig. 1

INVENTOR

Edward Thorson

BY Robert M. Dunning

ATTORNEY

Patented Aug. 10, 1954 2,686,032

UNITED STATES PATENT OFFICE

2,686,032

PAINT PAIL SUPPORT

Edward Thorson, St. Paul, Minn.

Application March 16, 1951, Serial No. 216,078

5 Claims. (Cl. 248—211)

1

This invention relates in general to paint bucket supports for ladders, and pertains more particularly to a support that may be readily mounted on a ladder of conventional construction.

Where ladders are used in painting buildings and the like, it is continually necessary to move the ladders to new positions as the work progresses. To avoid spillage of the paint, it is highly desirable that the paint bucket be firmly supported on the ladder in a simple yet readily removable manner. Devices have been employed which must be secured to the ladder in a permanent or semi-permanent fashion, but it will be apparent that these devices entail considerable inconvenience where the painter must move to new vertical locations on the ladder. Devices of a detachable nature have also been employed, but they have not afforded the security of retention essential for general jobbing.

Accordingly, an object of the present invention is to provide a paint bucket support of simple construction, that can be easily attached to conventional ladders.

Another object of the invention is to provide a support that will securely hold the bucket both while painting and while moving the ladder, yet permitting its ready removal from the support when desired.

A feature of the invention resides in the fact that the support can be readily fabricated from ordinary sheet metal stock.

Another feature of the invention resides in the use of hook means engaging both a rung and a side frame member of the ladder, such hook means being so designed that the bucket will be firmly supported in an upright manner.

Still another feature of the present invention lies in the employment of means for engaging either the sides of the bucket or its rim, thereby assuring retention of the bucket when the ladder is tilted into various positions.

Another feature of the invention provides for the accommodation of paint pails of different diameters.

The above objects, and other objects of my invention will be made more apparent hereinafter, are obtained by structure subsequently to be described and shown in the accompanying drawing, wherein:

Figure 1 is a perspective view of one embodiment of my invention, the ladder to which the device is attached being shown fragmentarily.

Figure 2 is a perspective view of a modified form of the invention.

2

Referring now to Figure 1 of the drawing, it will be seen that my bucket supporting device comprises a generally vertical member 10, preferably of sheet material, the member 10 having a perpendicularly turned lower portion 12 upon which the bottom of a paint bucket may rest. To assure retention of the bucket upon the lower or base portion 12, there is provided a band member 14 which may be secured to the vertical section 10 in any convenient manner, such as by welding or by the illustrated rivets 16.

In order to accommodate various sizes of paint buckets, the band or strap member 14 is adjustable into different diameters by means of a wing nut 18 and screw 20, the screw passing through a pair of apertures (not visible) in the band member 14. However, a pair of spaced apertures is represented at 22 and 23. For example, the particular adjusted position illustrated may denote the proper size for a quart can of paint, while if the aperture 22 is used, then the band 14 would be of the proper size to receive, say, a half gallon can of paint. Use of the aperture 23 would permit accommodation of, for instance, a gallon can.

The supporting device is supported vertically by a rearwardly extending hook 24 situated adjacent the upper end of the vertical section 10. It will be noted that the hook 24, which may be an extension of the section 10, is curved to engage a rung 26 of the ladder. To maintain the section 10 vertical, or substantially so, a laterally projecting arm 28 is employed. This arm may form an integral part of the center section 10, or it may be affixed to the section 10 in the same manner selected for securing the strap 14 in place, a pair of rivets 30 being shown. The arm 28 is curved forwardly and is bent at 32 and 34 to form a channel which abuts against the side frame 36 of the ladder.

In this way the device in general depends from the rung 26, there being an inherent pivoting of the device about the rung to urge the channeled end of the arm 28 into abutting engagement with the frame 36. It will be perceived that the supporting structure may be easily attached to a ladder, the painter only having to place the hook 24 over the rung 26 while guiding the channeled end of the arm 28 into engagement with the frame 36.

For still further protection against displacement of the paint bucket or can, the section 10 may be provided with an ear or forwardly extending portion 38 which is designed to overhang the rim of the bucket. Thus, it will be seen that

the device may be constructed to insure against displacement of the paint bucket in any direction, yet still permitting ready removal of the supporting structure itself from the ladder.

A pin or hook may be welded or otherwise secured to the arm 28 for engaging the brush handle. Such a member is designated by the reference numeral 35 in Figure 1, the hook being shown in dotted outline because of its concealed position.

In the embodiment pictured in Figure 2, the basic structure is the same as in the preceding embodiment and corresponding parts have been given the same reference numerals. However, a different means is provided for keeping the bucket in place upon the lower or base portion 12, this being a hook portion 40 located at the upper end of the main section 10 which is downturned to embrace the rim or lip of the paint can. It will be understood that the paint can is merely tilted slightly to bring its rim into proper engagement with the hook 40. In many instances, the embodiment of Figure 2 will serve to adequately retain the paint can in place upon the base portion 12.

Instead of the hook 35, a suitable means for holding the brush when not in use may constitute a looped spring 42 having its ends received through a pair of small apertures 44, the ends being preferably turned outwardly to prevent disengagement. The turns of the spring 42 will readily yield to accommodate the brush handle upon insertion of the handle within the loop.

In accordance with the patent statutes, I have described the principles of construction and operation of my paint pail support and while I have endeavored to set forth the best embodiment thereof, I desire to have it understood that this is only illustrative thereof and that obvious changes may be made within the scope of the following claims without departing from the spirit of my invention.

I claim:

1. A paint bucket support for ladders comprising an elongated strip of sheet material formed to provide a substantially horizontally extending bottom portion, a generally vertically extending portion, and a rearwardly extending hook portion designed to extend over the rung of a ladder, a forwardly projecting finger member at the upper end of said vertical portion designed to extend over the rim of a can supported upon said bottom portion, means engaging the can to hold the can upon said bottom portion and against said vertical portion, and a laterally extending arm secured to said vertical portion intermediate the ends thereof, and extending laterally therefrom, said laterally extending arm having a hook shaped extremity designed to engage over a side edge of the ladder.

2. The structure described in claim 1 and in which the means for holding the can in place comprises a band secured to said vertical member intermediate the ends thereof and extending forwardly therefrom.

3. The structure described in claim 1 and in which the means for holding the can in place includes a split band secured intermediate its ends to said vertically extending portion intermediate the ends thereof, and including means for holding the ends of the split band together.

4. The structure described in claim 1 and in which the means for holding the can in place includes a hook shaped end on said forwardly extending finger designed to extend into the can at the upper end thereof.

5. The structure described in claim 1 and including a rearwardly curved connecting portion between said bottom portion and said vertically extending portion to accommodate an enlarged bead at the lower end of the can side wall.

References Cited in the file of this patent

UNITED STATES PATENTS

Number	Name	Date
1,288,839	Conrad	Dec. 24, 1918
1,593,043	Stroecker	July 20, 1926
1,811,065	Stroebel	June 23, 1931
1,852,347	Getz	Apr. 5, 1932
2,412,567	Dodd	Dec. 17, 1946
2,541,390	Weigand	Feb. 13, 1951
2,541,434	Nelson et al.	Feb. 13, 1951
2,564,411	Shinneman	Aug. 14, 1951