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J. G. DICK

BUCKET HOLDING ATTACHMENT FOR LADDERS

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Fig. 1.

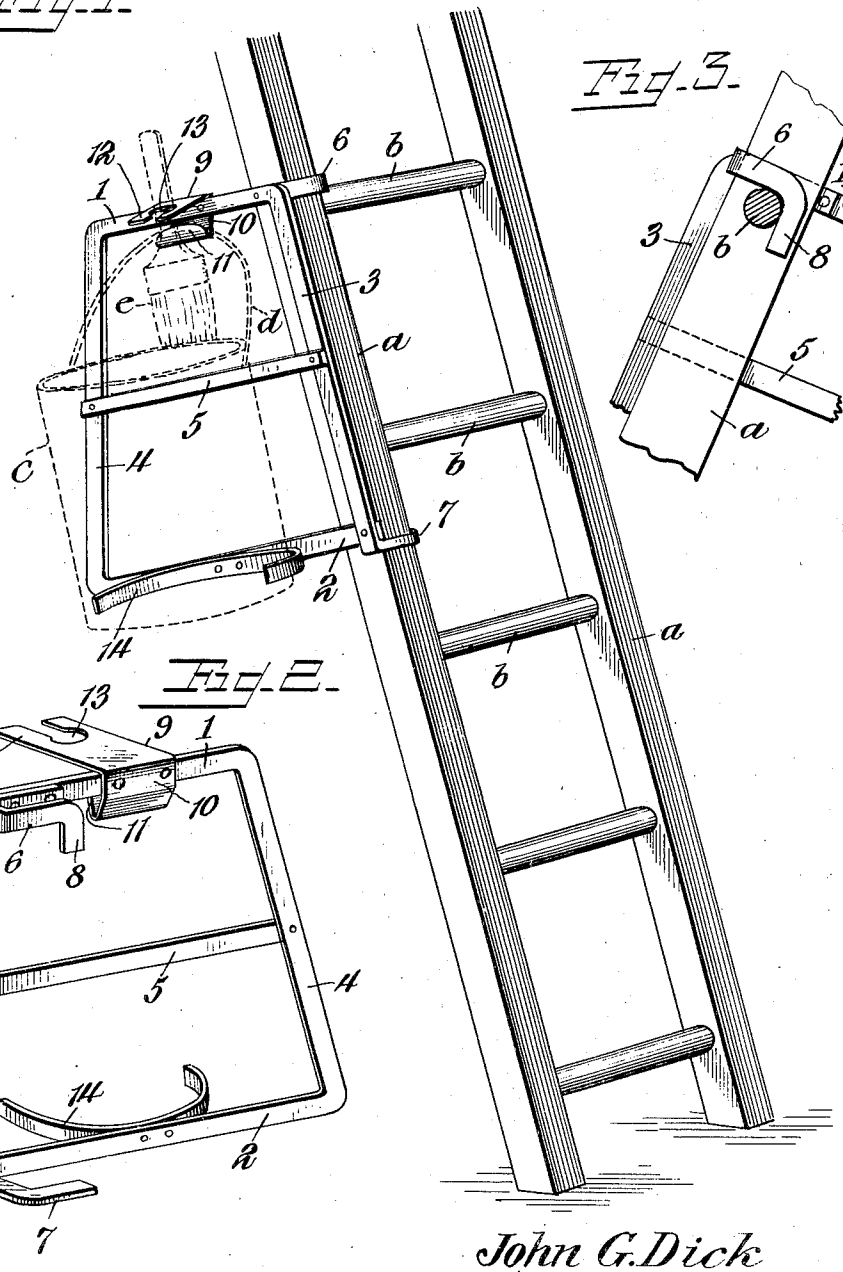


Fig. 3.

Fig. 2.

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BUCKET-HOLDING ATTACHMENT FOR LADDERS.

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To all whom it may concern:

Be it known that I, JOHN G. DICK, a citizen of the United States, residing at Chinook, in the county of Blaine and State of Montana, have invented a new and useful Improvement in Bucket-Holding Attachments for Ladders, of which the following is a specification.

This invention relates to bucket holding attachments for ladders.

The object is to provide a device to be attached to ladders, at any desired elevation, the said device having means for engaging the bail of a paint bucket to suspend the same at one side of the ladder and between the same and the wall, in a substantially vertical position, and having steadying means for engagement with said bucket to prevent swinging or tilting of the latter while the painter is engaged in painting the wall or in moving the ladder to a new position.

Another object is to provide a simple and cheaply-manufactured holder for paint buckets in the form of a frame, having simple means for locking engagement with one of the legs and with any one of the rungs of the ladder, the said frame being constructed of ordinary bar iron of sufficient strength to support the maximum size bucket of paint, and shaped and secured together in a manner to fit between the ladder and the wall, and to be easily and quickly applied to the ladder by a single movement.

A full and complete understanding of the invention may be obtained from a consideration of the following detailed description, taken in connection with the accompanying drawing forming a part of this specification; it being understood that while the drawing shows a practical form of the invention, the latter is not to be confined to strict conformity with the showing thereof, but may be changed or modified, so long as such changes or modifications mark no material departure from the salient features of the invention, as specifically pointed out in the appended claims.

In the drawing, in which similar reference characters designate corresponding parts throughout the several figures;

Figure 1 is a perspective view of the improved holder applied to a ladder, a paint bucket being indicated in proper position thereon, in dotted lines, the device shown being for a left-handed painter;

Figure 2 is a detail perspective view of the device;

Figure 3 is a detail section illustrating the means for engaging the rung of the ladder.

The ordinary swinging hook frequently employed by painters to suspend a bucket of paint from one of the rungs of a ladder has always proved very unsatisfactory, inasmuch as the said bucket must, of necessity, be suspended at the rear side of the ladder and in a position most inaccessible to the painter. In addition the said hook permits the bucket to swing in any direction and when the painter attempts to move the ladder to a new position against a wall or building with the bucket remaining in the hook, the result is a large quantity of spilled paint.

The present invention is designed to overcome these disadvantages by the provision of means for holding the bucket at any desired point along the length of the ladder, and for preventing any swinging action thereof when the latter is moved, the said holder being readily replaceable upon any one of the rungs by one hand of the painter without the necessity of releasing his hold upon the ladder with the other hand.

In the drawing there is shown a frame formed of ordinary bar iron and comprising a top bar 1, a bottom bar 2 substantially parallel to the top bar 1, the bars 1 and 2 being joined together at one end by a front bar 3 arranged at right angles thereto, while at the other ends the bars 1 and 2 are connected together by an inclined rear bar 4, the lower bar 2 thus being somewhat longer than the top bar 1, and forming in effect, a hollow frame of trapezoid shape. The four sides of the frame may be formed of a single length of bar iron, as shown in the drawing, the ends overlapping and connected together at the juncture of the bars 2 and 3 where they may be secured by an ordinary rivet, as shown.

A horizontal brace bar 5 connects the bars 3 and 4 together at their centers to strengthen the structure and to act as an abutment for the top of the bucket *c*, as indicated in dotted lines in Figure 1 of the drawing.

At the upper front angle between the bars 1 and 3, there is secured a hook 6 extending inwardly therefrom, and having a base member which is riveted to the said top bar 1, and a parallel member spaced therefrom a

distance substantially equal to the thickness of one of the legs *a* of the ladder. At the lower end, the perpendicular bar 4 is extended and bent inwardly to conform to the upper hook 6, and is then bent rearwardly to form a lower hook 7, of the same dimensions and also for the purpose of receiving the leg of the ladder and to rest against the front edge thereof.

The top hook 6 is further provided with a terminal, down-turned finger 8 which is adapted to engage behind any one of the rungs *b* of the ladder, as clearly shown in Figure 3 of the drawing, to prevent the device from lowering under the weight of the bucket of paint. It will be seen that when the painter is up on the ladder, it is a comparatively easy matter to change the position of the device on the ladder, by taking hold of the top bar 1 by one hand and lifting up on the same, and the finger 8 is disengaged from the rung, when the change may be easily made by forcing the hooks onto the leg of the ladder at the desired point, and then forcing the device downwardly to cause the upper hook 6 to engage the new rung with the finger 8 in rear of the same.

At an intermediate point, the top bar 1 carries a paint brush support 9, which is formed of suitable sheet metal and bent to provide an attaching plate 10, which is secured to the inner side of the top bar 1, as by rivets, and the attaching plate is then extended below the lower edge of the top bar and thence directed upwardly to form a hook 11, the free edge of which is below the top bar and spaced outwardly from the same for the easy attachment of the bail *d* of the bucket. The support 9 also includes the outwardly extending plate 12 which is located above the hook 11, and is provided in its free edge with an opening 13 having an entrance for the reception of a paint brush *e* as indicated in dotted lines in Figure 1 of the drawing.

The lower bar 2 of the frame is provided with an outwardly-extending arcuate bar or member 14 which is rivetted or otherwise secured to the outer face of said bar, as shown, and is adapted to receive the lower portion of the bucket *c*, to prevent the same from swinging, and, if desired, the intermediate cross bar 5 may also be provided with an arcuate member similar to the member 14 to engage the bucket at an intermediate point or to steady smaller buckets which would not extend down to the lower one.

From the foregoing it will be seen that a simple and inexpensive device has been provided for supporting paint buckets at any desired point along an upright ladder, that the contents of the same may be easily reached by the painter, and that the ladder, together with the attachment with the bucket therein may be moved without danger of spilling the paint, while the brush may be held in the support to drip or drain into the bucket, the whole device being capable of movement along the ladder by a simple operation.

What is claimed is:

1. A paint bucket holder adapted to be supported at different elevations on a ladder, comprising an open rigid frame having an upper and a lower bar joined by other bars, one of said other bars being adapted to lie along one leg of the ladder, an upper hook and a lower hook extending from said other bar at the top and bottom, said hooks embracing the said leg of the ladder at spaced points along the same and serving to hold said other bar against the side of said leg, one of said hooks having a terminal finger extending beyond said leg to engage behind a rung of the ladder.

2. A bucket holding attachment for ladders comprising a frame, means carried by the frame for engaging the ladder to support the same at different elevations, said frame having a top bar provided with a paint brush and bucket support comprising an attaching plate secured to the top bar, and having one end extended below the latter and formed with a hook, the free edge of which is below the top bar, said hook to be engaged by the bail of the bucket, the other end of the plate having an outwardly extending holder located above the hook for the reception of the handle of the paint brush.

3. A paint bucket holder adapted to be engaged at different elevations on a ladder comprising an open frame having an upper and lower bar substantially parallel to each other and joined at their ends by a perpendicular bar and an inlined bar, said perpendicular bar having an upper and a lower hook for engaging around one leg of the ladder to hold the frame in a position directed toward the supporting wall, the upper hook having a terminal, depending finger to engage behind a rung to hold the frame at different elevations, said upper bar having a hook to engage the bail of the bucket and having a brush holder located over the latter, and said lower bar having an outstanding, arcuate arm to engage partially around the body of the bucket to steady the same.

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature.

JOHN G. DICK.