Dec. 26, 1939. G. LINDER 2,184,460

BRUSH HOLDER

Filed Jan. 28, 1938 2 Sheets-Sheet 1

Fig. 1.

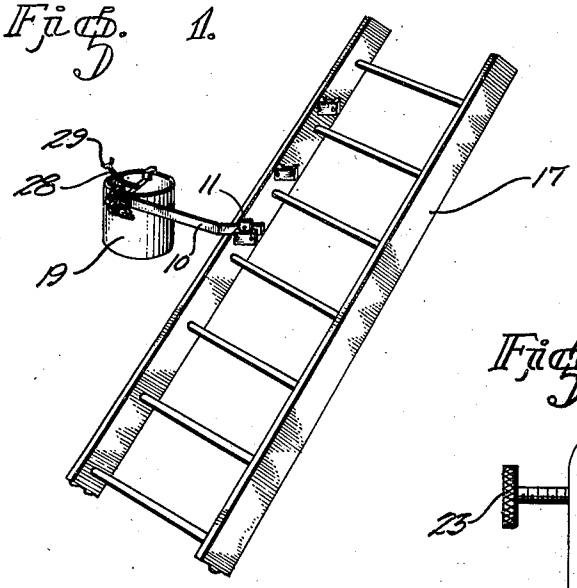
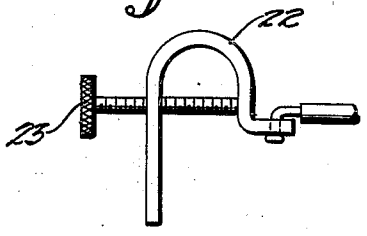


Fig. 3.



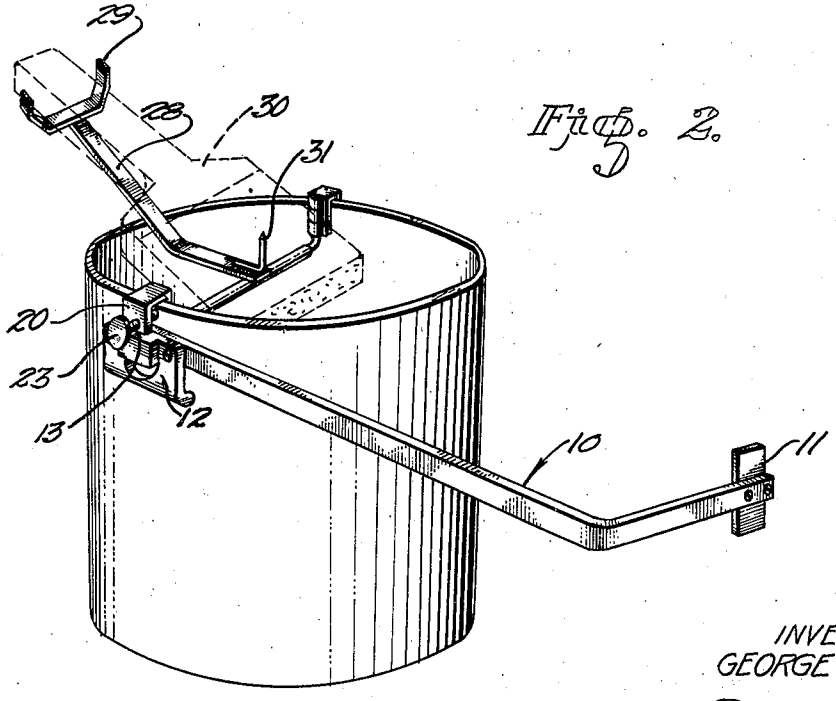


Fig. 2.

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Filed Jan. 28, 1938 2 Sheets-Sheet 2

Fig. 3.

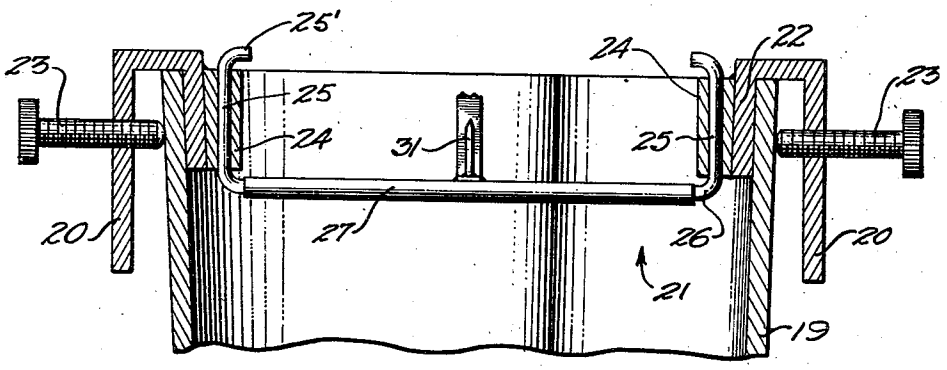


Fig. 4.

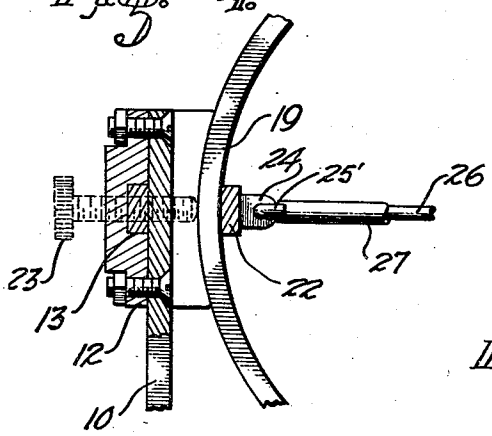


Fig. 6.

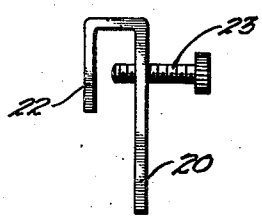


Fig. 5.

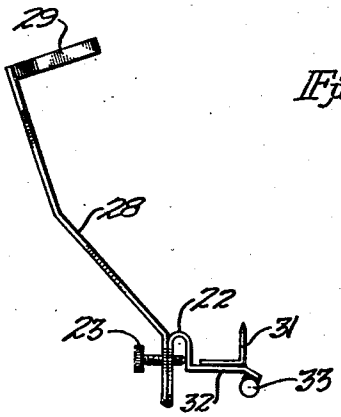
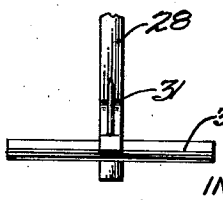


Fig. 7.



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BRUSH HOLDER

George Linder, Pasadena, Calif.

Application January 28, 1938, Serial No. 187,478

7 Claims. (Cl. 248—110)

This invention relates to painters' accessories, and particularly pertains to a paint pot and brush holder.

In painting operations it is desirable to provide a brush support which will accommodate a brush with relation to a paint pot, and support it thereover so that the drippings from the brush will fall into the paint pot, and furthermore so that the surplus paint may be wiped from the brush before the brush is used in painting. It is also desirable to provide a support for a paint pot and a brush holder by which the paint pot may be easily associated with a ladder or the like, and supported in a position to be used conveniently in painting. It is the principal object of the present invention therefore to provide a paint pot and brush holder which may be inter-engageably mounted upon a ladder or the like, and which is provided with means whereby it may engage and support a paint pot and also support a brush in relation thereto, the structure being so designed as to make it possible for the brush to be instantly removed for use, or the paint pot to be instantly disengaged from its support.

The present invention contemplates the provision of a socket member which may be applied to a ladder or other support, and which receives and detachably engages a paint pot supporting bracket, the said paint pot bracket in turn engaging a paint pot and brush holder which is detachably secured at the outer end to the bracket.

The invention is illustrated by way of example in the accompanying drawings in which:

Figure 1 is a view in perspective showing the application of the invention to a ladder.

Fig. 2 is an enlarged view in perspective showing the supporting bracket, the paint pot and brush holder connected therewith, and indicates in dotted lines a brush supported on the holder.

Fig. 3 is an enlarged view in vertical section showing the details of construction of the brush holder and its application to the paint pot.

Fig. 4 is a fragmentary view in plan with parts broken away showing the connection of the supporting bracket to the brush holder.

Fig. 5 is a view in side elevation showing another form of the brush holder.

Fig. 6 is a view in side elevation showing a supporting bracket engaging member which may be applied independently to a paint pot or the like.

Fig. 7 is a view in front elevation showing a fragmentary portion of the structure shown in Fig. 5, particularly indicating the wiping member.

Fig. 8 is a fragmentary view showing another form of a supporting bracket and brush holder.

Referring more particularly to the drawings 10 indicates a supporting bracket. This bracket may be bent in any desired configuration, but is here shown as being angular and as being bent in a horizontal plane. One end of the bracket is fitted with a vertically extending T-bar 11 and the opposite end of the bracket 10 is fitted with a socket member 12 having a vertical socket opening 13 therein for a purpose to be hereinafter described. The T-bar 11 fits within a socket 14 of a cleat 15, a plurality of which cleats may be fastened to the side rails 16 of a ladder 17 by screws 18. The cleats 15 are preferably mounted upon the rail in an oblique position with relation to the length of the rail so that when the ladder is disposed at an inclination against a wall or the like, the cleats 15 will be substantially in horizontal alignment. Due to this the bracket 10 may be placed on the ladder at different elevations and will support a paint pot 19 in convenient reach of the painter. The paint pot is provided with a vertical finger 20 which extends into the socket opening 13 of the socket 12. Thus the paint pot may be instantly removed from its supported position on the bracket 10. The finger 20 may be formed integral with a brush holder generally indicated at 21 in the drawings, or it may be formed with a separate fastening hook 22 as shown in Fig. 6 of the drawings. In either instance a set screw 23 engages the paint pot 19, or can, and clamps the hook portion 22 to the pot with the finger projecting downwardly so that it may be inserted into the socket opening 13 without difficulty.

With reference particularly to Figs. 2 and 3 of the drawings it will be seen that a hook portion 22 is provided to fit over the lip of the paint pot 19 at opposite points thereon. Attached to these hook portions are vertical bearings 24 which receive pivot pins 25 formed as continuations at opposite ends of a horizontal hinge pin 26. The hinge and the pivot pins are here shown as made of a continuous piece of wire, their ends being overturned as indicated at 25' to prevent the hinge pin portions 25 from becoming displaced with relation to the bearings 24. It will thus be seen by reference to Fig. 3 that an assembled structure will be provided having hook members 22 at opposite ends thereof for independent vertical swinging movement and being connected by an intervening horizontal hinge pin 26 so that the entire structure may be supported across the mouth of a paint pot 19 with the separate

hooks 22 individually adapting themselves to the curvature of the can wall which they embrace. It will also be evident that the finger portion 20 of each of the hooks is fitted with a set screw 23 clamping the entire structure in position. Pivotally mounted upon the horizontal hinge element 26 is a tubular sleeve element 27. This element is free to rotate around the pin 26 and is of a length representing substantially the distance between the bearings 24. This sleeve not only affords a pivotal mounting for a brush support, but also provides a wiping surface against which the bristles of the brush may be wiped to remove surplus paint. The brush support as shown in the form of the invention of Figs. 2 and 3, comprises a bar 28 which is secured at one end to the sleeve 27 and at a point midway the length of the sleeve. The bar 28 is preferably bent vertically so that an outer portion will extend upwardly and support a U-shaped saddle member 29 at its free end. This insures that when a brush indicated by dotted lines at 30 rests upon the sleeve member 27 with its handle resting in the saddle 29, that the major portion of the brush and the handle will be out of contact with the bar 28, thus limiting the possibility that paint will get on to the handle when the brush is being supported by the device. In order to prevent the brush from slipping downwardly along the support and possibly falling into the paint pot, a guard pin 31 is provided. This pin projects upwardly from the lower terminating face of the bar 28 and is disposed at right angles to the longitudinal axis of the sleeve 27. By this arrangement the upstanding guard pin 31 may project into the bristle portion of the brush and seat itself between the bristles, thus preventing the brush from slipping downwardly and off of the support when its handle lies in the U-shaped saddle 29.

The form of the invention disclosed particularly in Figs. 1 to 4, inclusive, has been concerned with large paint pots and relatively large brushes. The form of the invention shown in Figs. 5 to 7, inclusive, is particularly applicable for use on small paint cans and with relatively small brushes.

Referring particularly to Fig. 5, it will be seen that a supporting bar 28 is provided which terminates at its free end in a support for a U-shaped saddle 29. The bar is bent at its lower end to form a hook portion 22 adapted to fit over the edge of the lip of a can and be clamped in position by clamp screw 23. A horizontal extension 32 is formed as a continuation of the inner leg of the hook 22 and carries a transversely disposed brush support and wiping bar 33 similar in function and purpose to the sleeve 27 on the previously described form of the invention. Mounted upon the horizontal extension 32 is a guard pin 31 as previously described. It will be seen that this form of the invention will provide adequate support for a small brush and that it will firmly hold upon the lip of a paint pot or can. In some instances it may be desirable to support a paint pot or can independently of any brush support.

When the brush holder is to be used with the paint pot the structure shown in Fig. 2 is fitted with its hook portions embracing the lip of the paint pot at a point along the circumference of the pot which will permit proper application of the two hook elements 22. The hook elements will swing on their vertical pivots 25 and adapt themselves to the circumference of the paint pot after which the set screws 23 may be tightened to hold the hooks in position. It will be evident that when the structure is applied to paint pots of different diameters the hooks will swing differently upon their pivots 25 and that the sleeve 27 will lie along the chord of an arc determined by the portion of circumference occurring between the two hooks 22. Since this arc will be different with different diameter paint pots it will be seen that the brush supporting member 28 will swing downwardly until it engages the edge of the paint pot at a point intermediate the two hooks. The swinging action is accommodated due to the mounting of the sleeve 27 on the horizontal hinge pin 26. When in this position the brush 30 may be placed with its handle in the saddle 29 and its bristle portion lying upon the forward end of the member 28 and the sleeve 27. This insures that the bristle portion of the brush will be supported throughout its width and since the guard pin 31 will project upwardly into the bristle portion of the brush it will be evident that the brush will not become displaced.

When the form of the invention shown in Fig. 5 is used the hook portion 22 is directly clamped to the lip of the can and in this instance the entire structure will be rigid to support the brush. Attention is directed to the fact that in addition to the brush supporting features of the two forms of the invention the transverse elements 27 and 33 form a wiping face for the brush which is disposed within the can and away from the circumferential edge of the can. This insures that any surplus paint squeezed from the bristle portion of the brush will fall directly in the can and will not be smeared over the edge thereof as is often the case when the brush is wiped on the edge of the can.

It will thus be seen that the structure here disclosed provides simple and effective means for detachably supporting a paint pot or the like with relation to a ladder, and with relation to a detachable bracket, and that furthermore the device provides a brush support and wiper which instantly adapts itself to the circumference of the can upon which it is applied and supports the brush freely so that it may be readily removed and used, and directly placed on the support without use of fastening members or the like.

Attention is further directed to the fact that when the brush is supported upon the holder it is present for immediate removal since no fastening means are provided which would grasp the handle or the bristle portion of the brush, or through which any parts of the brush are extended to cause the brush to retain its supported position.

While I have shown the preferred form of my invention, as now known to me, it will be understood that various changes might be made in the combination, construction, and arrangement of parts, by those skilled in the art, without departing from the spirit of the invention as claimed.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:

1. A brush holder comprising detachable means engaging the lip of the mouth of a paint pot, an arm element extending therefrom to receive the handle of the brush, and a supporting element engaging the bristles of the brush to resist lateral and longitudinal movement of the brush when in engagement therewith, said last named means including a prong projecting into the bristle portion of the brush.

2. A brush holder adapted to be mounted upon

a paint pot or the like, comprising a pair of hook members embracing the lip of the paint pot at points around the circumference thereof, means for detachably securing said members in position, an intermediate member connecting said members and extending across the mouth of the paint pot, and a brush supporting bar extending upwardly and outwardly from said intermediate member, said supporting bar and intermediate member forming a rest for a paint brush.

3. A brush holder adapted to be mounted upon a paint pot or the like, comprising a pair of hook members embracing the lip of the paint pot at points around the circumference thereof, means for detachably securing said members in position, an intermediate member connecting said members and extending across the mouth of the paint pot, a brush supporting bar extending upwardly and outwardly from said intermediate member, said supporting bar and intermediate member forming a rest for a paint brush, and a bristle engaging member carried by said structure and adapted to project into the bristle portion of the brush to temporarily position it against longitudinal and lateral movement.

4. A brush holder adapted to be mounted upon a paint pot or the like, comprising a pair of hook members embracing the lip of the paint pot at points around the circumference thereof, means for detachably securing said members in position, an intermediate member connecting said members and extending across the mouth of the paint pot, a brush supporting bar extending upwardly and outwardly from said intermediate member, said supporting bar and intermediate member forming a rest for a paint brush, a bristle engaging member carried by said structure and adapted to project into the bristle portion of the brush to temporarily position it against longitudinal and lateral movement, and a saddle member carried by the brush support to laterally position the handle of the brush thereon.

5. A brush holder adapted to be mounted upon a paint pot or the like, comprising a pair of hook members embracing the lip of the paint pot at points around the circumference thereof, means for detachably securing said members in position, an intermediate member connecting said members and extending across the mouth of the paint pot, a brush supporting bar extending upwardly and outwardly from said intermediate member, said supporting bar and intermediate member forming a rest for a paint brush, a bristle engaging member carried by said structure and adapted to project into the bristle portion of the brush to temporarily position it against longitudinal and lateral movement, a saddle member carried by the brush support to laterally position the handle of the brush thereon, and means articulately connecting the pot engaging means with the intermediate member.

6. A brush holder adapted to be mounted upon a paint pot or the like, comprising a pair of hook members embracing the lip of the paint pot at points around the circumference thereof, means for detachably securing said members in position, an intermediate member connecting said members and extending across the mouth of the paint pot, a brush supporting bar extending upwardly and outwardly from said intermediate member, said supporting bar and intermediate member forming a rest for a paint brush, a bristle engaging member carried by said structure and adapted to project into the bristle portion of the brush to temporarily position it against longitudinal and lateral movement, a saddle member carried by the brush support to laterally position the handle of the brush thereon, and means for vertically pivoting the brush supporting element on the intermediate member.

7. A brush holder adapted to be mounted upon a paint pot or the like, comprising a pair of hook members embracing the lip of the paint pot at points around the circumference thereof, means for detachably securing said members in position, an intermediate member connecting said members and extending across the mouth of the paint pot, a brush supporting bar extending upwardly and outwardly from said intermediate member, said supporting bar and intermediate member forming a rest for a paint brush, a bristle engaging member carried by said structure and adapted to project into the bristle portion of the brush to temporarily position it against longitudinal and lateral movement, a saddle member carried by the brush support to laterally position the handle of the brush thereon, means articulately connecting the pot engaging means with the intermediate member, and means for vertically pivoting the brush supporting element on the intermediate member.

GEORGE LINDER.