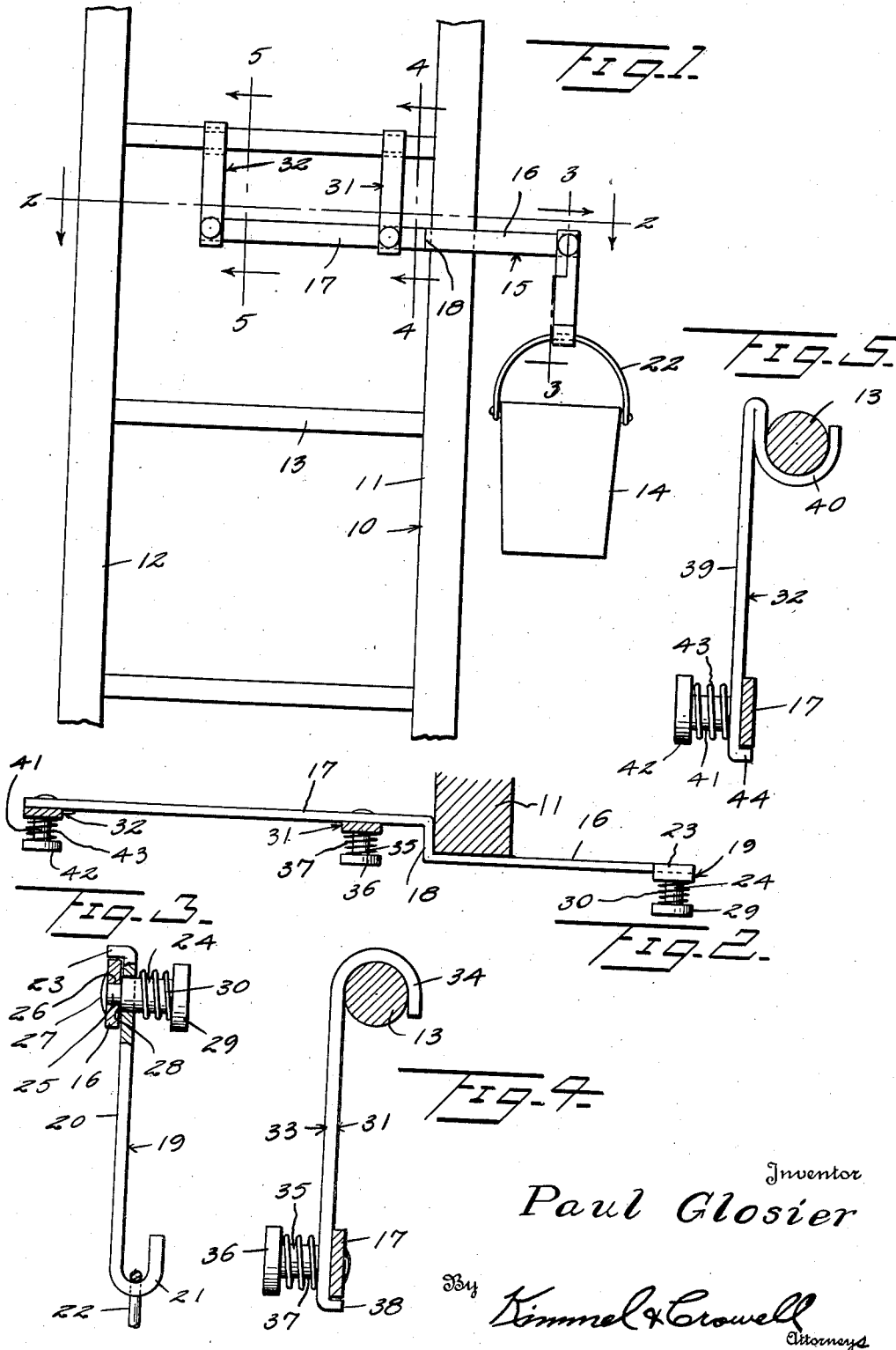


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PAINT BUCKET HANGER
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PAINT BUCKET HANGER

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2 Claims. (Cl. 248—211)

This invention relates to article supporting or suspending brackets and more particularly to a means for suspending a paint pail from a ladder.

An object of this invention is to provide a supporting device of this kind which is so constructed as to support a paint pail at one side of a ladder.

Another object of this invention is to provide a pail suspending device of this character which is adapted to detachably engage the rungs of the ladder and is also provided with means for holding the device against lateral shifting.

A further object of this invention is to provide a device of this kind which may be disposed on either side of the ladder so that the pail may be suspended in the desired position relative to the ladder.

A still further object of this invention is to provide a support of this kind which can readily be reversed or collapsed, and which can easily be shifted from one rung to another.

To the foregoing objects and to others which may hereinafter appear, the invention consists of the novel construction, combination and arrangement of parts as will be more specifically referred to and illustrated in the accompanying drawing wherein are shown embodiments of the invention, but it is to be understood that changes, variations and modifications may be resorted to which fall within the scope of the invention as claimed.

In the drawing:

Figure 1 is a detail front elevation of an article supporting or suspending device constructed according to an embodiment of this invention showing the device in applied position on a ladder, the ladder being shown in fragmentary form.

Figure 2 is a sectional view taken on the line 2—2 of Figure 1.

Figure 3 is a sectional view taken on the line 3—3 of Figure 1.

Figure 4 is a sectional view taken on the line 4—4 of Figure 1.

Figure 5 is a sectional view taken on the line 5—5 of Figure 1.

Referring to the drawing, the numeral 10 designates generally a ladder structure embodying a pair of vertical side rails 11 and 12 and a plurality of rungs 13 which are secured to the side rails 11 and 12 in any suitable manner. The ladder 10 here shown is a conventional ladder and shows one application of the article suspending or supporting device as hereinafter described.

In order to provide a means whereby a paint

pail 14 may be suspended at one side of the ladder 10, I have provided a supporting or suspending bar 15. The bar 15 includes an outer part 16 and an inner part 17 which is connected to the outer part 16 by means of an extension or connecting part 18. The connecting part 18 is disposed at right angles to the two parts 16 and 17 and provides a means whereby the outer part 16 may be disposed in offset parallel relation to the inner body part 17.

A pail supporting member 19 is disposed at the outer end of the bar or outer part 16 and comprises a dependent member 20 which is formed at its lower end with a hook or U-shaped member 21. The bail 22 of the pail 14 is adapted to engage the hook or suspending element 21 so that the pail 14 may be supported in dependent relation below the supporting horizontally disposed bar 16. The vertical supporting element or bar 20 is provided at its upper end with a right angular stop flange or extension 23 which projects in the direction of the supporting bar 16 and engages over the upper edge of the bar or supporting member 16.

The depending bar 20 is pivotally mounted on a stud or pin 24 which is provided with a reduced end 25 engaging through an opening 26 formed in the supporting bar 16. The end of the stud 25 is upset as at 27 so that the pin or stud 24 will be securely fastened to the bar 16. The reduced part 25 forms a shoulder 28 at the adjacent end of the stud 24 which is adapted to engage against one side of the bar 16 on the side thereof opposite from the upset part 27. The stud or pin 24 is provided with an enlarged head 29, and an expanding spring 30 engages about the pin or stud 24, one end of the spring 30 bearing against the head 29 and the other end of the spring 30 bearing against adjacent face of the depending bar 20. The spring 30 provides a means whereby the depending bar 20 may be yieldably held flat against the horizontal bar 16 with the stop or locking member 23 engaging over the upper edge of the bar 16.

The supporting member 15 is held in a horizontal position by means of a pair of hook members generally designated as 31 and 32. The hook member 31 comprises an elongated bar 33, shown in Figure 4 which at its upper end is provided with a hook 34 engaging over the rung 13. The hook 34 opens downwardly so that the bar 31 will be supported in dependent relation from the rung 13. The lower end of the bar 31 is pivotally mounted on a stud or pin 35 which

is fixed to the bar 17 in the same manner as the bar 20 is fixed to the bar 16.

The stud 35 is provided with an enlarged head 36 and an expanding spring 37 engages at one end against the head 36 and at the other end engages against the adjacent side of the lower portion of the bar 33. The lower end of the bar 33 is provided with a right angularly disposed stop flange or locking member 38 which engages beneath the lower edge of the body member 17 so as to hold the hook member relative to the body member 17.

The hook member 32 comprises an elongated flat bar 39 which has secured to the upper end thereof an upwardly opening hook or U-shaped member 40. The hook or U-shaped member 40 is adapted to engage beneath the rung 13 so that when the pail 14 is mounted on the outer member 19, the weight of this pail will not cause the horizontal supporting member 15 to rock on the pivot member 35. The bar 39 adjacent the lower end thereof is pivotally mounted on a pin or stud 41 which is secured to the bar 17 in the same manner as the stud 24. The stud 41 is formed with an enlarged head 42, and an expanding spring 43 engages about the pin or stud 41, one end of the spring 43 bearing against the head 42 and the other end of the spring 43 bearing against the adjacent side of the bar 39. The lower end of the bar 39 is formed with a right angularly disposed stop flange or locking member 44 which is adapted to engage beneath the lower edge of the body member 17 and to be held in this position by the spring 43.

In the use and operation of this device, the supporting member 15 is positioned on the desired rung 13 of the ladder 10 with the hook 34 of the supporting member 31 engaging over the top of the rung 13 and the inverted hook 40 of the supporting member 32 engaging beneath the rung 13. In Figure 1 the outer supporting bar 16 is shown disposed on the right side of the ladder 10 so that the pail 14 will be suspended on this side of the ladder. In the event it is desired to support the pail 14 on the left side of the ladder, the two supporting members 31 and 32 may be inverted by moving the two members 31 and 32 outwardly with respect to the bar 17 so as to release the locking members 38 and 44 from the supporting bar 17.

The two members 31 and 32 may then be swung about at an angle of 180 degrees and in this position the extension 16 will be disposed on the left side of the ladder 10. Preferably the extension 16 engages on the upper or forward side of a side rail 11 or 12 so that the supporting device will not swing from a selected rung 13. The bail supporting member 19 may also be reverted in the same manner as the two supporting members 31 and 32 so that the supporting member 19 will extend in a direction from the bar 16 opposite to the extension of the hook members 31 and 32. The offsetting of the extension 16 by means of the

right angular part 18 provides a means whereby the supporting member 15 will be held against horizontal or lateral shifting movement with respect to the ladder 10.

The device can be readily collapsed by swinging the supporting members 31 and 32 to a position in alignment with the bar 17 and the supporting member 19 can also be swung to a position in alignment with the extension 16 so that in collapsed position the device will not occupy a space greater than the length of the device and the width of the supporting member 15.

This device can be constructed at a relatively small cost and will firmly and securely hold or suspend a paint pail or other article at one side of a ladder and in a position where the outer end of the device will not contact with the user in going up and down the ladder.

What I claim is:

1. As a new article of manufacture a pail suspending device for use with a ladder for suspending a pail laterally of the ladder, said device comprising an elongated bar formed with an inner part, an outer part parallel with said inner part, and an intermediate part connecting the adjacent ends of said inner and outer parts together in offset parallel relation, a dependent pail suspending member pivotally securing said member to said outer part, a right angularly disposed locking member carried by said member and engageable with said outer part to hold said dependent member against rocking movement, yieldable means holding said dependent member with said locking member in locked position, and a pair of right angularly disposed rung engaging members carried by said inner part, one of said pair of members including a downwardly directed hook engageable over a rung, and the other of said pair of members including an upwardly directed hook engageable beneath a rung.

2. As a new article of manufacture a pail suspending device for use with a ladder for suspending a pail laterally of a ladder, said device comprising an elongated bar formed with an inner part and an offset outer part parallel with the inner part thereof, a depending pail suspending member at the outer end of said outer part, said member including an upturned lower end to receive the bail of a pail, and a right angularly bent upper end engaging the upper edge of said outer part, an intermediate hook member formed with a downturned upper end and a right angularly bent lower end engaging beneath said inner part, an inner hook member formed with an upturned upper end and a right angularly bent lower end engaging beneath said inner part, a headed pivot for each of said members fixed to said bar, and a spring about each pivot constantly urging a right angular end of a member to locking position for holding said members against pivoted movement.

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