

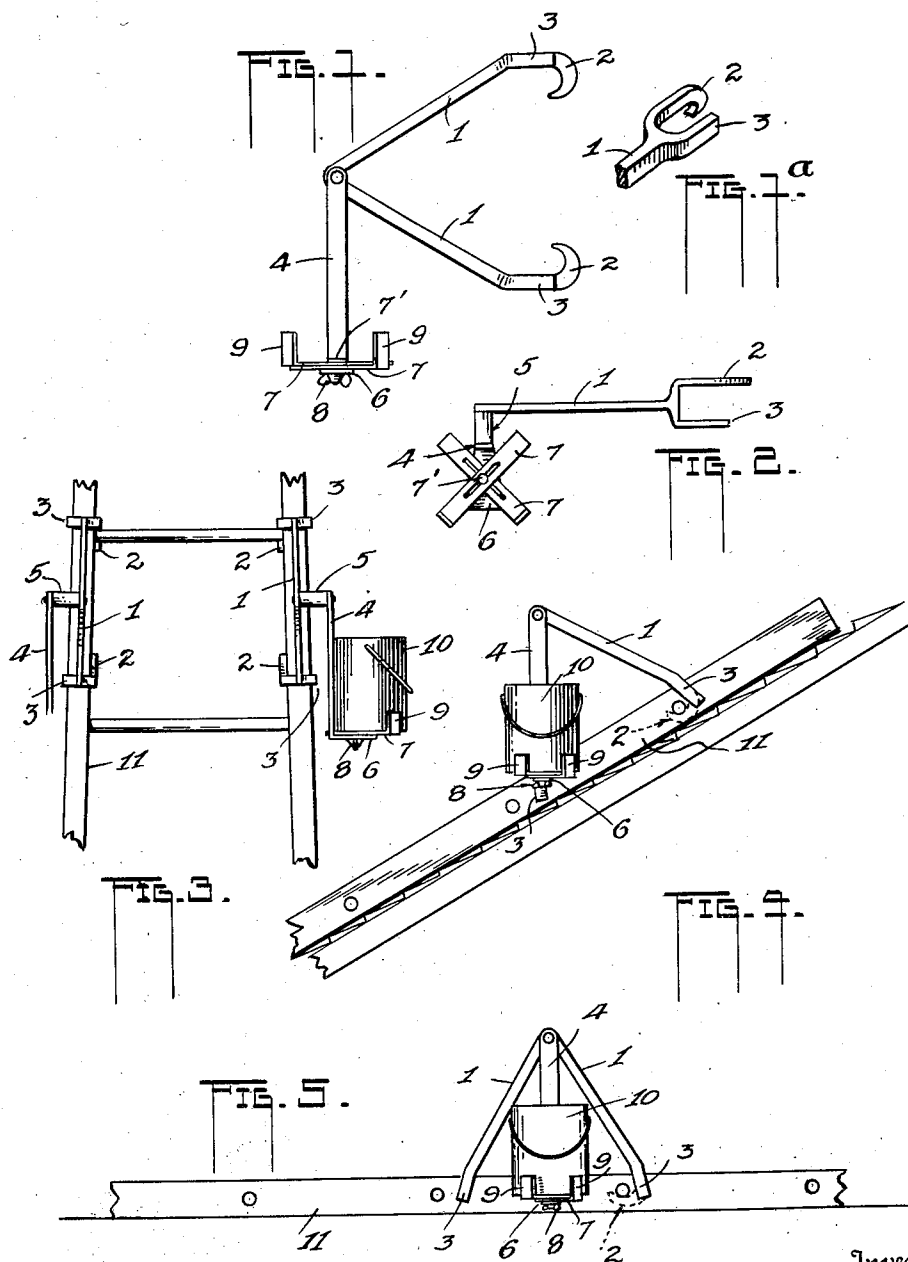
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SUPPORT FOR ATTACHMENT TO LADDERS

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SUPPORT FOR ATTACHMENT TO
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This invention pertains to supports for attachment to ladders used by painters, tanners and workers in other lines. More particularly the invention pertains to a supporting member for ready attachment to and removal from a ladder and from which a bucket or other object can be suspended and free to swing in any position of such ladder.

An object is to provide a support or bracket of an exceedingly simple form readily attachable to either rail of a ladder by merely turning such support or bracket end for end.

Another object is to so construct a support or bracket for a ladder that the bucket or other article slung therefrom will be held outward both from the plane of the ladder and from the outer side of the ladder-rail so that said bucket or other article will be wholly free to swing without regard to the position the ladder may occupy, and even though such ladder may abut or rest against a supporting surface.

In order that the invention may be thoroughly understood in all its details the accompanying drawing is provided forming part hereof wherein—

Figure 1 is a side elevation of the bracket of my invention.

Figure 1^a illustrates in perspective a portion of one extremity of a leg of said bracket.

Figure 2 is a plan of the bracket shown in Figure 1.

Figure 3 is a front elevation of a portion of a ladder showing my bracket applied thereto at two different positions.

Figure 4 is a side elevation of a ladder as supported upon a slanting surface and showing the attached bracket, and

Figure 5 is likewise a side elevation of the ladder and bracket wherein the ladder is shown in a horizontal position and lying upon a supporting surface.

The device of my invention includes in this instance a pair of legs 1 forming a substantially A-shaped frame, said legs which are preferably relatively rigid being bifurcated at their free extremities, a hook 2 forming one of the terminal portions of the same, while a straight portion 3 may terminate the other portion as most clearly shown in Figure 1^a, it being noted that the resultant two hooks 2 lie opposite each other at the same side of the frame or bracket and face in the direction of each other as in Figure 1, the part from which the hook 2 and straight portion 3 extend forming an abutment portion.

In addition the device includes a member or

hanger 4 pivotally hung from a stud or boss 5, for example, extending from one side of said device at its apex, in this instance, said stud or boss projecting from that side of the latter having the straight portions 3 described. Said member 4 has a foot portion 6 disposed at right angles to its length and adjustably mounted thereon are two crossed slotted members 7 which may be secured firmly to said foot by means of a bolt 7', for example, and a wing-nut 8. Each member 7 has an extension 9 bent at right angles which together with the said member or hanger 4 serve to firmly retain a paint bucket or other object 10.

In Figures 3, 4 and 5 a ladder 11 has been illustrated in order to show the manner of attachment of my invention thereto and the free and natural way the member 4 adjusts itself in various positions of the ladder.

In Figure 2 the invention is shown applied to each rail of the ladder, the better to show the relation of the hooks 2 to the latter. It is here particularly noted that when the device is applied to the right-hand rail, as viewed in this figure, the bifurcations of the legs 1 lie astride the rail with the hooks 2 at the inner side of such rail so that at least one of them may engage over a rung, see Figures 4 and 5, thereby firmly supporting the device from that member, the abutment portion before referred to resting against the front face of the ladder-rail. It is also noted that the stud or boss 5 extends in a direction paralleling the plane of the ladder, and, as shown in Figure 3, extends outside or beyond the ladder's edge or beyond the rail on which the device is mounted and thereby the hanger 4 and its load 10 are free to swing without striking the said rail. Again, by extending the legs 1 or their equivalent away from or in spaced relation to the plane of the ladder the said hanger 4 may always take a free perpendicular position by gravity without striking a surface against which the ladder may rest, the distance of the pivot for the hanger from the ladder, and the length of said hanger being such that a bucket of considerable height may be readily accommodated. As an example in the use of the invention, Figure 4 shows the ladder resting upon a roof, for instance, and it is observed that the hanger 4 may always find an upright position since it cannot strike the roof surface, while in Figure 5 even though the ladder may lie upon a horizontal surface the same free swing is possible.

Again referring to Figure 3, when it is desired to place the device upon the left-hand rail of the

ladder it is only necessary to turn said device end-for-end whereupon the hook 2, which at the right of the figure is lowermost, now engages over the ladder-rung, the hanger 4 naturally adapting itself to the changed position of the device and now hanging outside of and free of said left-hand rail.

The invention is applicable to all types of ladders, including step ladders, and when used with the latter type a change in the shape of the hooks 2 may be made if desired to better conform, perhaps, to the flat step of said type as distinguished from a round ladder rung.

I claim:

1. An article of manufacture including a substantially V-shaped member the free extremity of each leg of which is bifurcated to embrace an object, and each extremity having a hook terminating a bifurcation, the extremities of the two hooks extending in opposite directions and facing each other.

2. An article of manufacture including a substantially V-shaped member the free extremity of each leg of which is bifurcated to embrace an object, and each extremity having a hook terminating a bifurcation, the extremities of the two hooks facing each other and lying in substantially the same plane.

3. An article of manufacture including a substantially V-shaped member the legs of which are rigid relatively, the free extremity of each of which terminates in two spaced portions, corresponding portions of the legs lying substantially in the same plane with each other, and the extremity of one of the spaced portions of one of the legs terminating in a hook, said hook extending in the general direction of the opposite leg.

4. An article of manufacture including a substantially V-shaped member the legs of which are rigid relatively, the free extremity of each of the legs terminating in spaced portions forming bifurcations, the corresponding portions of the bifurcations lying in substantially the same plane, and the extremity of one of the spaced portions of both legs terminating in a hook each extending in the general direction of the other and in planes substantially paralleling the plane of said legs.

5. An article of manufacture comprising a sub-

stantially V-shaped member, a hook terminating the free end of one of the legs the plane of the hook substantially paralleling the plane of the legs, the end of said hook extending in the general direction of the opposite leg, an abutment at the free end of the last named leg, and spaced portions terminating the abutment.

6. As an article of manufacture, a V-shaped member, a pair of spaced portions extending from and terminating the free end of each leg of the member, a plane paralleling the plane in which the legs lie lying between the portions of each pair of said portions, one of the portions of one pair terminating in a hook directed toward an opposite leg.

7. A device of the nature described including in its construction a substantially V-shaped member, bifurcations terminating the free extremity of each of the legs of said member, corresponding portions of the pairs of bifurcations lying in substantially parallel planes adapted to embrace opposite sides of the rail of a ladder, one of the bifurcations terminating in a hook to engage a ladder-rung.

8. A device of the nature described including in its construction a substantially V-shaped member, bifurcations terminating the free extremity of each of the legs of said member, corresponding portions of the pairs of bifurcations lying in substantially parallel planes adapted to embrace opposite sides of the rail of a ladder, one of the bifurcations of each leg terminating in a hook, the two hooks arranged to lie adjacent the face of the rail from which the rungs extend whereby the device may be suspended from a rung at either rail.

9. A device for the purpose described including in its construction a substantially V-shaped member, spaced portions terminating the free end of each leg thereof forming bifurcations adapted to embrace opposite sides of a ladder rail, a portion of each of the bifurcations terminating in a hook to engage a rung of the ladder, the hooks extending in opposite directions and toward a position between the legs, and a hanger pivoted to the member and arranged to support an object.

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