Dec. 9, 1947. S. BUCHER ET AL 2,432,189

LADDER SUPPORT ATTACHMENT

Filed July 12, 1946

Fig. 1.

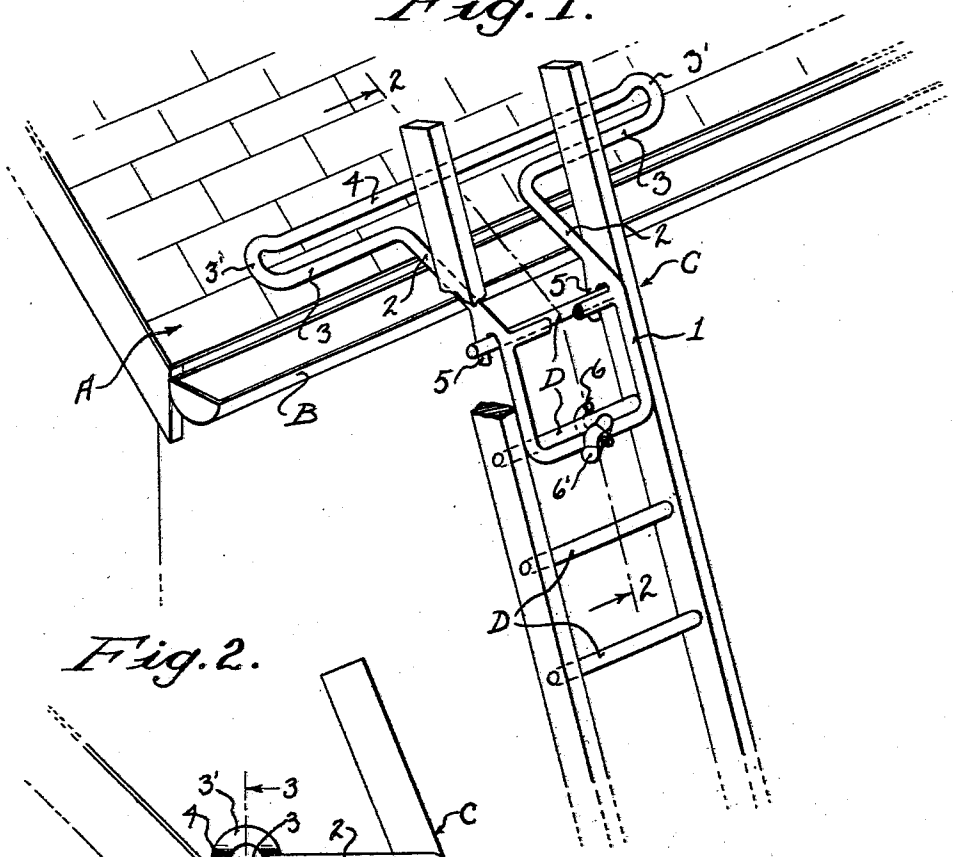


Fig. 2.

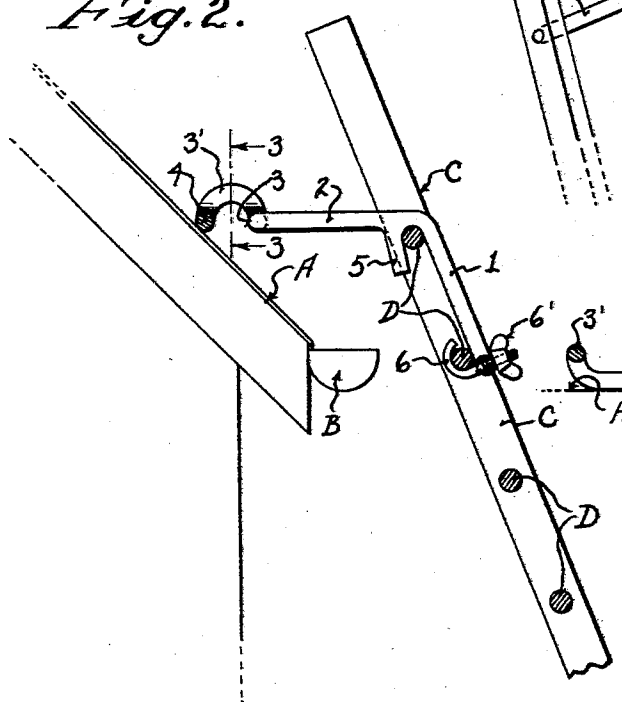
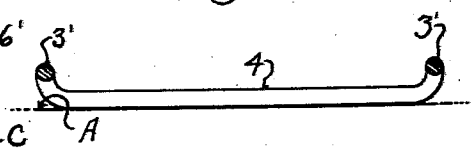


Fig. 3.



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LADDER SUPPORT ATTACHMENT

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Milwaukee, Wis.

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2 Claims. (Cl. 228—60)

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Our invention refers to upper supports for ladders and has for its primary object to provide a simple one-piece bracket attachable to the upper end of a ladder, whereby said ladder end is entirely held clear of the eaves and associated gutter of a building, to prevent the ladder from leaning against the associated eaves parts, and damaging the same. The bracket is provided with a skeleton winged runner, for engagement with a roof, whereby the ladder is supported rearwardly of the drain gutter, the wings being formed with up-turned runner ends whereby the ladder may be conveniently adjusted from place to place.

With the above and other objects in view, which will appear as the description proceeds, the invention resides in the novel construction, combination and arrangement of parts, substantially as hereinafter described, and more particularly defined by the appended claims, it being understood that such changes in the precise embodiment of the herein disclosed invention may be made as come within the scope of the claims.

In the accompanying drawings is illustrated one complete example of the physical embodiment of the present invention constructed according to the best mode so far devised for the practical application of the principles thereof.

In the drawings:

Fig. 1 represents a perspective view of a ladder supporting bracket embodying the features of our invention the same being illustrated in conjunction with the eaves of a building.

Fig. 2 is a side elevation of the same illustrating the ladder and bracket in section as indicated by line 2—2 of Figure 1.

Fig. 3 is a detailed longitudinally disposed sectional view of the bracket wing.

Referring by characters to the drawings, A represents the eaves portion of the roof of a building, having a standard metallic drain gutter B secured thereto in any suitable manner. C indicates the upper end of a standard ladder end extending above the eaves of the building.

Fitted to the end of the ladder, between its rails, is a one-piece bracket. The lower end of the bracket forms a rectangular loop 1. The sides of the same being in engagement with a pair of the ladder rounds D.

Extending inwardly from the upper corners of the loop 1 are parallel arms 2, 2, which arms terminate with the laterally extended wings 3, 3, having up-turned runner ends 3', which ends are connected by a brace bar 4 whereby the wings in effect form loops which rest upon the roof eaves

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of the building A above the metallic gutter as shown.

The arms 2 at their junction with the loop 1 have depending therefrom a pair of clips 5, which clips, in conjunction with the adjacent loop corners, form ladder round engaging sockets.

The lower stretch of the loop 1 carries a hook end bolt 6, which bolt engages the second round of the ladder and the same is securely clamped thereto by a thumb nut 6' in threaded engagement with the face of the loop through which it extends. As best indicated in Figures 2 and 3 of the drawings, the ladder is thus securely anchored to the eaves of the building and offset therefrom, whereby there is no danger of bending or otherwise disrupting the metallic eaves trough B. Furthermore, the workman can readily slide the ladder back and forth, upon the eaves of the building, without marring the shingles, due to the fact that the up-turned runner ends of the wings, will permit the bracket to freely slide from place to place.

It will also be noted, owing to the simple bracket attaching means, to the ladder rounds, said bracket may be quickly and securely fastened to the ends of the ladder or removed therefrom.

We claim:

1. A one-piece bracket support for the upper end of a ladder, comprising a loop adapted to engage a pair of the ladder rounds, arms extending inwardly from the loop, roof engaging wings extending in opposite directions from the arms, the wings including a space connected brace bar, having bowed end loops forming runners, clips depending from the base of the arms forming ladder round engaging sockets in conjunction with the loop and a clamping bolt carried by the base of said loop, adapted to engage a ladder round.

2. A one-piece bracket support for the upper ends of a ladder, comprising a loop adapted to engage a pair of ladder rounds, arms extending inwardy from the upper corner of the bracket loop, wings extending in opposite directions from the arms having up-turned runner ends, clips depending from the base of the bracket arms, forming ladder rounds engaging sockets and a clamp bolt carried by the loop base for engagement with a ladder round, whereby the bracket is securely mounted upon the ladder.

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