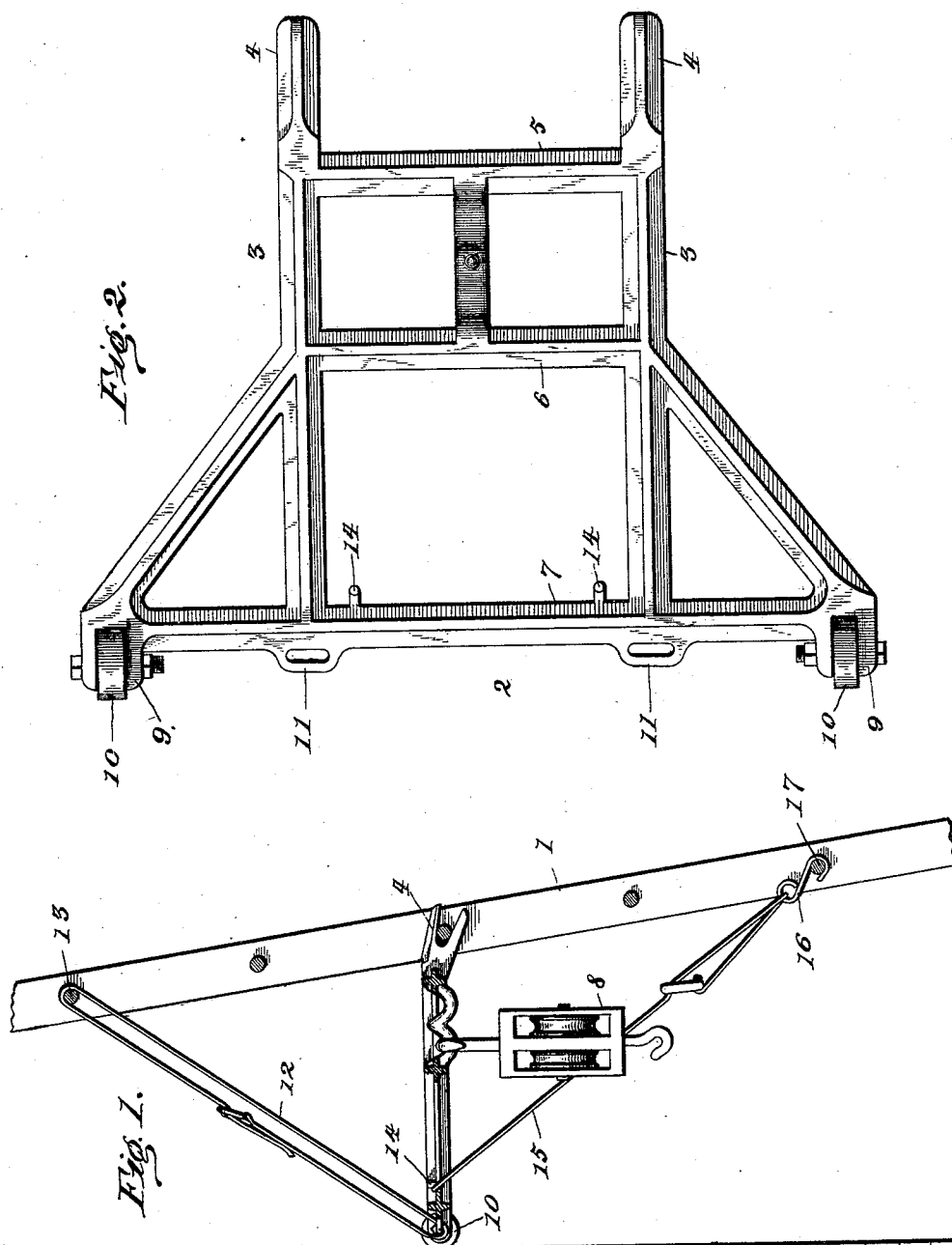


(No Model.)

R. W. SOMERS.
STAGING SUPPORT.

No. 543,513.

Patented July 30, 1895.



Witnesses
Thos. L. Gatchel.
W. P. Mearns.

Inventor
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UNITED STATES PATENT OFFICE.

ROBERT W. SOMERS, OF FREMONT, NEBRASKA.

STAGING-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 543,513, dated July 30, 1895.

Application filed December 8, 1894. Serial No. 531,248. (No model.)

To all whom it may concern:

Be it known that I, ROBERT W. SOMERS, a citizen of the United States, residing at Fremont, in the county of Dodge and State of Nebraska, have invented certain new and useful Improvements in Staging-Supports; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in staging-supports, the same being adapted to be applied directly to any ladder of ordinary construction, either single or extension, the object of the same being to provide a support for the usual block-and-tackle equipment used by house-painters, and also to support a staging, the same resting across the upper surface of the frame.

The invention consists, essentially, of a frame made of two side bars with bifurcated inner ends adapted to bear against one rung of a ladder, suitable cross and supporting bars, the outer cross-bar extending laterally some distance beyond the side bars and having mounted in its ends rollers adapted to bear against the side of a house. The said front cross-bar is further provided with loops, around which straps are passed, which also extend around one of the rungs of the ladder, above the one upon which the bifurcated ends of the side bars rest, and support the frame at its outer ends. Small hooks are also provided on the inner side of the outer cross-bar, around which a guy-rope passes, which is supplied with hooks at its two ends which engage a lower rung of the ladder. A looped bar connects two of the cross-bars of the frame to support a tackle-block.

The invention also consists in other details of construction and combinations of parts, which will be hereinafter more fully described and claimed.

In the drawings, forming a part of this specification, Figure 1 represents a vertical section of a ladder with my staging-support applied thereto, the same resting against the side of a house. Fig. 2 is a detail plan view of the frame of my support.

Like reference-numerals indicate like parts in both the views.

1 represents a ladder of ordinary construction, and 2 the frame of my support. The latter is preferably made of metal having two side bars 3 3, with bifurcated ends 4 4, which are adapted to rest against one of the rungs of the ladder 1, and cross-bars 5, 6, and 7. Between the bars 5 and 6 is a looped connecting-bar for the attachment of a tackle-block 8, as clearly shown. The front cross-bar 7 extends outwardly beyond the side bars 3, and at its end it is formed with lugs 9 9, between which are mounted in suitable bearings the rollers 10 10. Loops 11 11 are also formed on the front end of the cross-bar 7, through which loops pass the strap 12, which also passes around the rung 13 of the ladder 1. The said frame is held from downward pressure by means of the straps 12 and the bearing of the bifurcated ends 4 of the side bars 3 on one of the rungs of the ladder. On the inner edge of the cross-bar 7 are formed two inwardly-projecting hooks 14, around which pass a guy-rope 15, having hooks 16 16 at each end thereof. These hooks are in turn connected to a rung 17 of the ladder, below the rung thereof upon which the ends of the cross-bars 3 rest.

By this construction it will be seen that I have designed a support adapted to be connected to a ladder of ordinary construction, which is held from upward or downward movement, and will support great weight. It is easily applied and easily adjusted either up or down. The rollers 10 are provided to bear against the side of the house, so that abrasion of the same is prevented. They are located at points beyond the side bars 3 for the purpose of providing wider bearing-points. When in place, the ladder and support rest against the house upon these rollers, the upper end of the ladder not touching the same. It is of course obvious that the said rollers may be held out of engagement with the house by having the upper end of the ladder rest against it.

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A staging support adapted to be applied to a ladder of ordinary construction, consisting of a frame having side bars and cross bars, the side bars being formed with bifurcated

ends to engage with one of the rungs of the ladder and the forward cross bar thereof being extended out beyond the side bars and having rollers mounted therein, looped extensions on the said cross bar, straps engaging said looped extensions and one of the rungs of the ladder, hooks projecting from the edge of said cross bar, and guy ropes passing around said hooks and connecting with

one of the lower rungs of the ladder, substantially as and for the purpose described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

ROBERT W. SOMERS.

Witnesses:

FRED W. VAUGHAN,

FREDA PETERSON.