No. 688,623. Patented Dec. 10, 1901.

S. S. FORRY.

SCAFFOLD SUPPORT.

(Application filed Aug. 31, 1901.)

(No Model.)

Fig. 1.

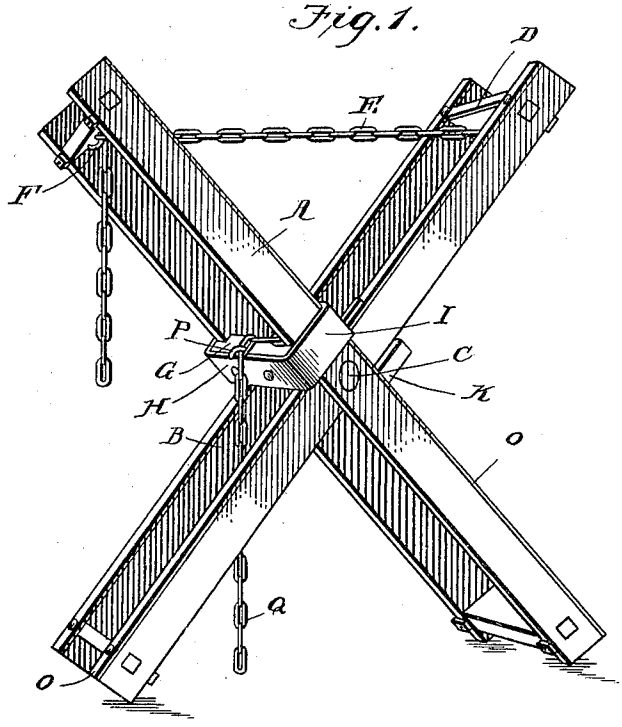


Fig. 2.

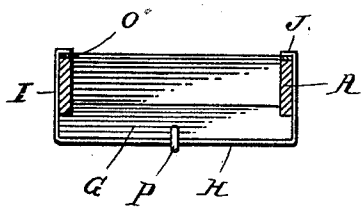
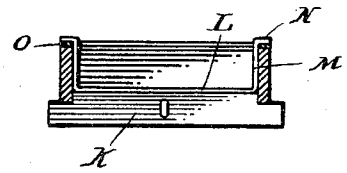


Fig. 3.



Witnesses

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SCAFFOLD-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 688,623, dated December 10, 1901.

Application filed August 31, 1901. Serial No. 73,963. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL S. FORRY, a citizen of the United States, residing at Freeport, in the county of Stephenson and State of Illinois, have invented a new and useful Improvement in Scaffold-Supports, of which the following is a specification.

This invention relates to improvements in scaffold-supports, and the object is to provide a strong and durable support which may be quickly and readily adjusted to vary its height and positively secured in its adjusted position.

With the above object in view the invention consists in the novel features of construction hereinafter fully described, particularly pointed out in the claims, and clearly illustrated by the accompanying drawings, in which—

Figure 1 is a perspective view of my improved support; Fig. 2, a transverse sectional view through the outer frame thereof, and Fig. 3 a similar view through the inner frame.

Referring now more particularly to the drawings, A and B designate two rectangular frames pivotally secured together intermediate their ends in "saw-horse" fashion by a transversely-extending bolt C, A designating the outer and B the inner frame. The end pieces of the frames are connected with the side bars by a mortise-joint and secured by bolts. The upper edges of the top cross-pieces are provided with wear-plates D, and secured at one end to the top piece of one of the frames is a chain E, the opposite ends of the chain being placed in engagement with a hook F, carried by the top piece of the other frame. This chain serves to hold the two frames together and the support at the desired elevation, but is used only as an auxiliary securing means in connection with the means presently to be described.

G designates a cross piece or bar sliding upon the outer edges of frame A, the bar being cut out at its respective ends to receive the side bar of said frame. A plate H is bolted to the outer face of this bar, having angular ends I extending inwardly at the ends of the bar and beyond the inner face thereof, the inner ends of the angular portions of the plate being bent inwardly parallel with the inner face of the bar, as at J. These angular ends of the plate form guiding and retaining flanges for the sliding bar and extend around the outer faces and inner edges of the side bar of the frame. The inner faces of the side bar are unobstructed, as will be seen.

K designates a bar sliding upon the outer side of the frame B, the bar being cut out at its ends to receive the side bars of said frame, as described of bar G. Secured by bolts upon the inner face of this bar is a plate L, the ends of which are bent angular to form inwardly-extending flanges M and flanges N, extending parallel with the cut-out ends of said bar K. These flanges extend on the inner edges and inner faces of the side bar of frame B, leaving the outer faces of the side bar unobstructed, and form guiding and retaining flanges for said sliding bar K.

Bolted upon the edges of the side bars of the two frames are the wear-plates O, upon which the bars G and K slide. One of said sliding bars carries a hook P, with which the free end of a chain Q is placed in engagement, the opposite end of said chain being attached to the other bar. This chain holds the frames together, with the support at the desired elevation, and by moving the sliding bars up or down and connecting them by the chain the height of the support varies and it is held at the desired elevation, said sliding bars receiving all of the weight and strain and relieving the center bolt thereof, thus increasing the strength and durability of the structure. The chain E, before described, is used only when the support is sustaining an unusual weight.

In use one or more of the supports described are used, the same being connected by a board, which rests upon the wear-plates of the top cross-piece of the frames, and one or more pairs of supports may be used, one pair resting upon the connecting-board of the lower pair.

By having the inner faces of the side bars of the outer frame A and the outer faces of the side bars of the inner frame B unobstructed the frame may be readily folded with the sliding bars thereon, so as to be in compact form when not in use.

From the above description it will be seen that I have produced an exceedingly strong

and durable scaffold-support, which may be readily adjusted to vary its height and securely retained at the desired elevation, the construction being simple and inexpensive.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. In a scaffold-support, the combination with two frames intermediately pivoted together, of sliding members carried by said frames, and an adjustable connection between said sliding members, substantially as described.

2. In a scaffold-support, the combination with two frames pivoted together intermediately of their ends, of sliding members carried by said frames, a hook carried by one of said members, and a chain carried by the other members and adapted to be placed in engagement with the hook, substantially as described.

3. In a scaffold-support, the combination with two frames intermediately pivoted together, of sliding bars carried by said frames, and an adjustable connection between said sliding bars, substantially as described.

4. In a scaffold-support, the combination with two frames intermediately pivoted together, of bars sliding on said frames, plates secured to said bars and bent to form flanges embracing the side bars of the frame, and an adjustable connection between said sliding bars, substantially as described.

5. In a scaffold-support, the combination with two frames intermediately pivoted together, of bars sliding on the outer sides of the frames and having retaining-flanges engaging the side bars of the frames, the inner faces of the side bars of the outer frame and the outer faces of the side bars of the inner frame being unobstructed whereby the frames may be folded, and an adjustable connection between the sliding bars, substantially as described.

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Witnesses:
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