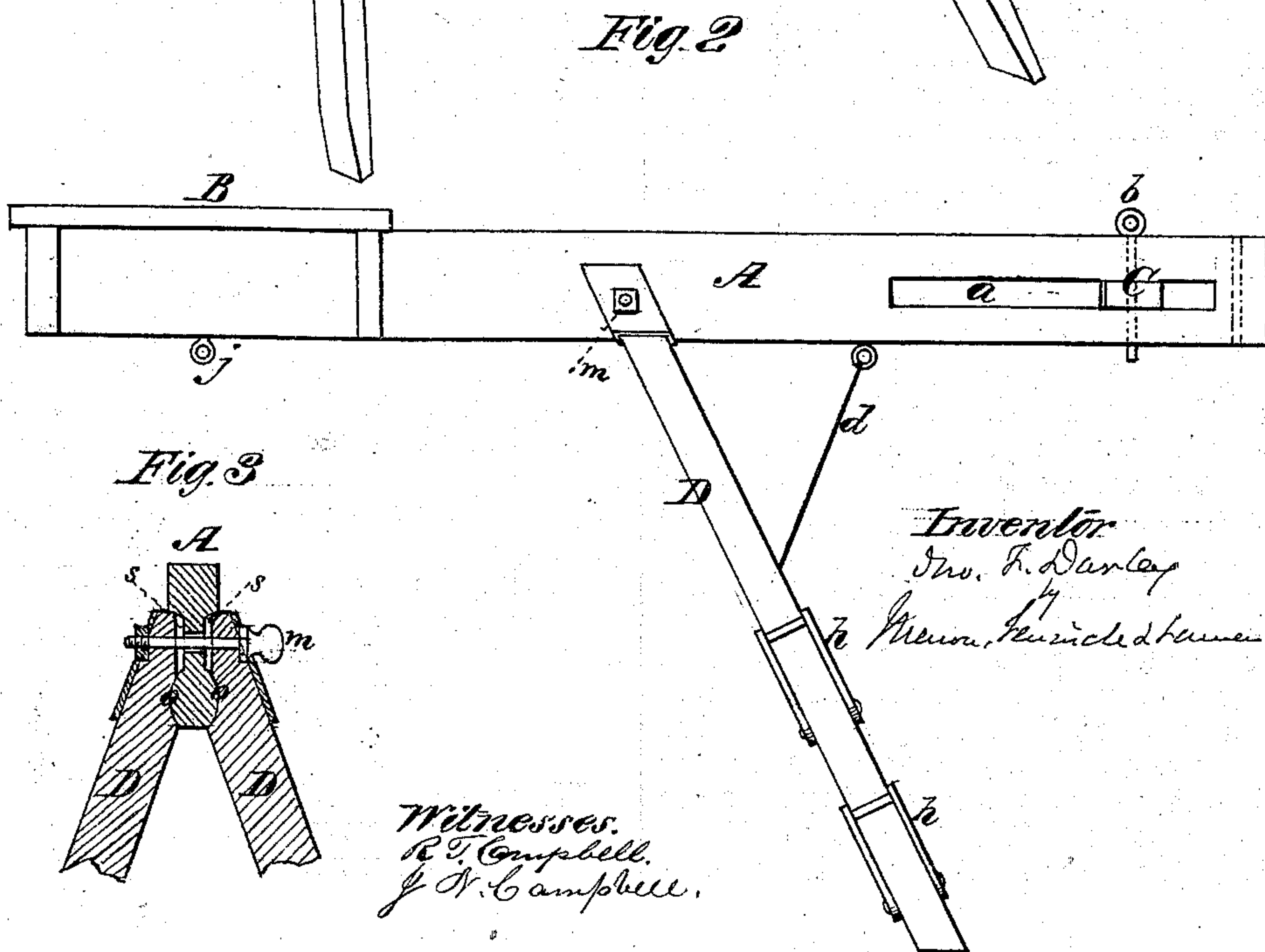
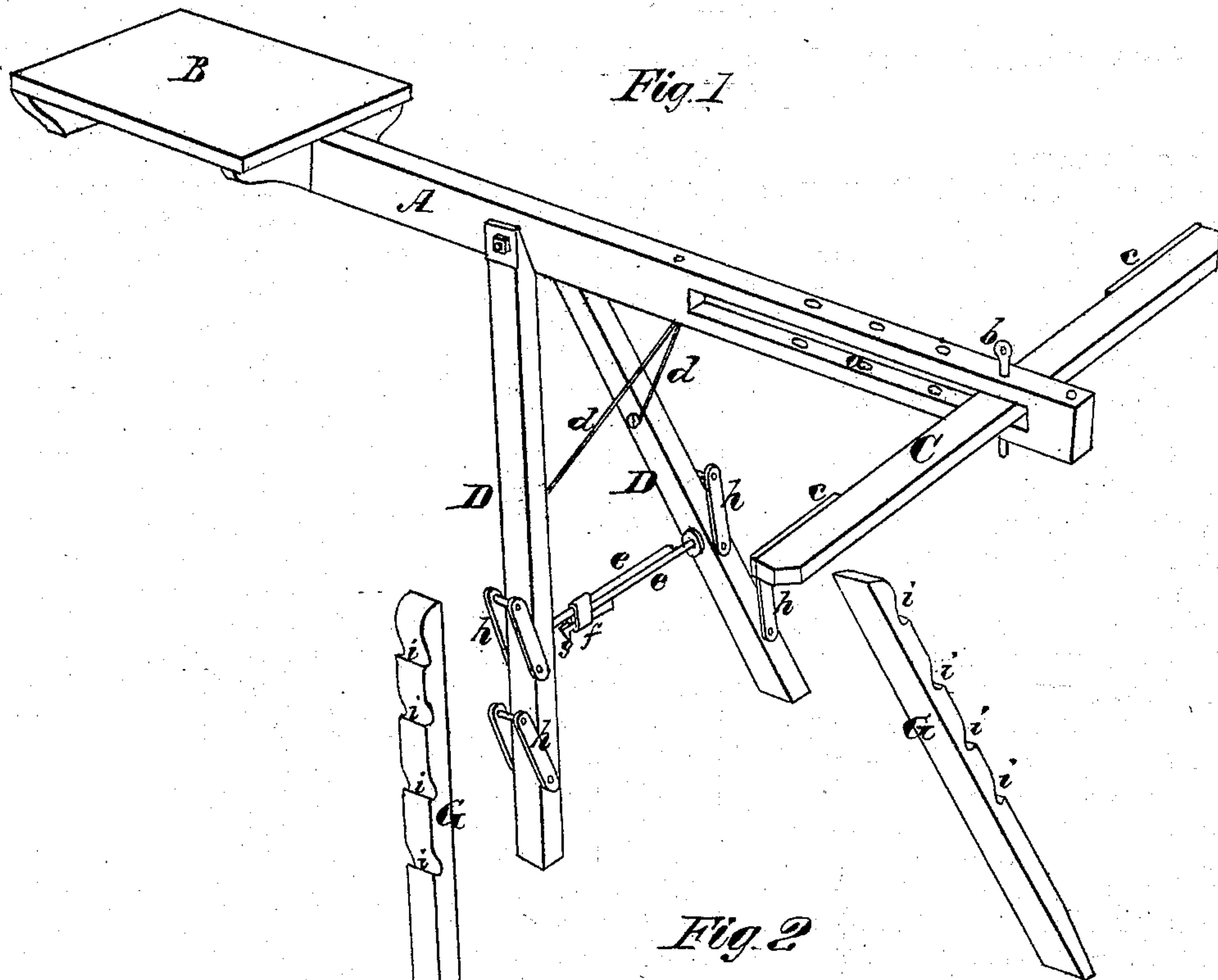


JOHN F. DARLEY.

Improvement in Builders' Jacks.

No. 127,314.

Patented May 28, 1872.



# UNITED STATES PATENT OFFICE.

JOHN F. DARLEY, OF NEBRASKA CITY, NEBRASKA.

## IMPROVEMENT IN BUILDERS' JACKS.

Specification forming part of Letters Patent No. 127,314, dated May 28, 1872.

*To all whom it may concern:*

Be it known that I, JOHN F. DARLEY, of Nebraska City, in the county of Otoe, and State of Nebraska, have invented a new and Improved Builders' Jack; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing making part of this specification, in which—

Figure 1 is a perspective view of the jack. Fig. 2 is a view of one side of it. Fig. 3 is a section taken vertically and transversely through the platform-beam at the point where the legs are attached to it.

Similar letters of reference indicate corresponding parts in the several figures.

The object of this invention is to construct a jack which will not only serve the purposes of the well-known jack for out-door work in a better and safer manner, but which is also useful for plasterers and all kinds of inside work about buildings. The nature of my invention consists in combining with a platform-bar an adjustable cross-bar and two extensible legs or supports, as will be hereinafter explained.

The following description of my invention will enable others skilled in the art to understand it.

In the accompanying drawing, A represents a horizontal beam, on one end of which a platform, B, is applied, and near the other end a slot, *a*, is made transversely through it. Through the oblong slot *a* a bar, C, is passed and secured in place against endwise displacement by means of a vertical pin, *b*. By having several holes through the beam A for receiving the pin *b* the cross-bar C may be adjusted nearer to or further from the platform B, as circumstances require. Between the cross-bar C and the platform B two legs, D D, are attached, the lower ends of which are spread out so as to afford good firm supports. The sides of the beam A are recessed at *s s* and rounded at *o o*, and the impinging ends of the legs D D present concave surfaces to the rounded surfaces *o o*, and are confined thereto by a clamp-bolt, *m*. This attachment of the legs D D to the beam A allows the lower ends

of the legs to be spread apart more or less when the bolt *m* and braces *e e* are loosened. Below the beam A, and applied to the legs, are the braces *e e*, confined together by means of a tube, *f*, and key *g*. These braces prevent the casual spreading apart of the legs. For the purpose of lengthening the legs extra pieces G G are employed, which are notched at *i i* to receive the cross-bars of loops *h h* that are pivoted to the legs D D. These loops form strong attachments for the pieces G, and allow the latter to be set higher or lower, as may be required. The beam A is further attached to the legs D D by means of the ties *d d*.

From the above description it will be seen that the improved jack can be packed into a very small space by detaching the legs D D and cross-bar C, in which condition it is very portable.

For outside work on buildings the jack is used in the following manner: The legs D D are secured to the beam A and adjusted the required distance apart so as to be received between the vertical portions of a window-frame, when these legs are supported upon the sill of the frame. The bar C is then adjusted across the frame inside, and having been passed through its slot *a*, is secured by the pin *b*, the cushions *c c* pressing against the frame. When thus adjusted the platform B will afford a perfectly safe support.

For inside work—such as for plastering and the like—the cross-bar C is detached from the beam A and the platform-end of this beam is brought against the wall, when a good support will be afforded for a scaffolding or stage on which to stand while plastering or frescoing a ceiling or the sides of a room, or for other purposes.

Having described my invention, I claim—

The slotted platform-beam A, the cross-bar C, and the extensible legs D D, substantially as and for the purposes described.

JOHN F. DARLEY.

Witnesses:

ROBT. LORTON,  
W. S. SMITH.