

(No Model.)

2 Sheets—Sheet 1.

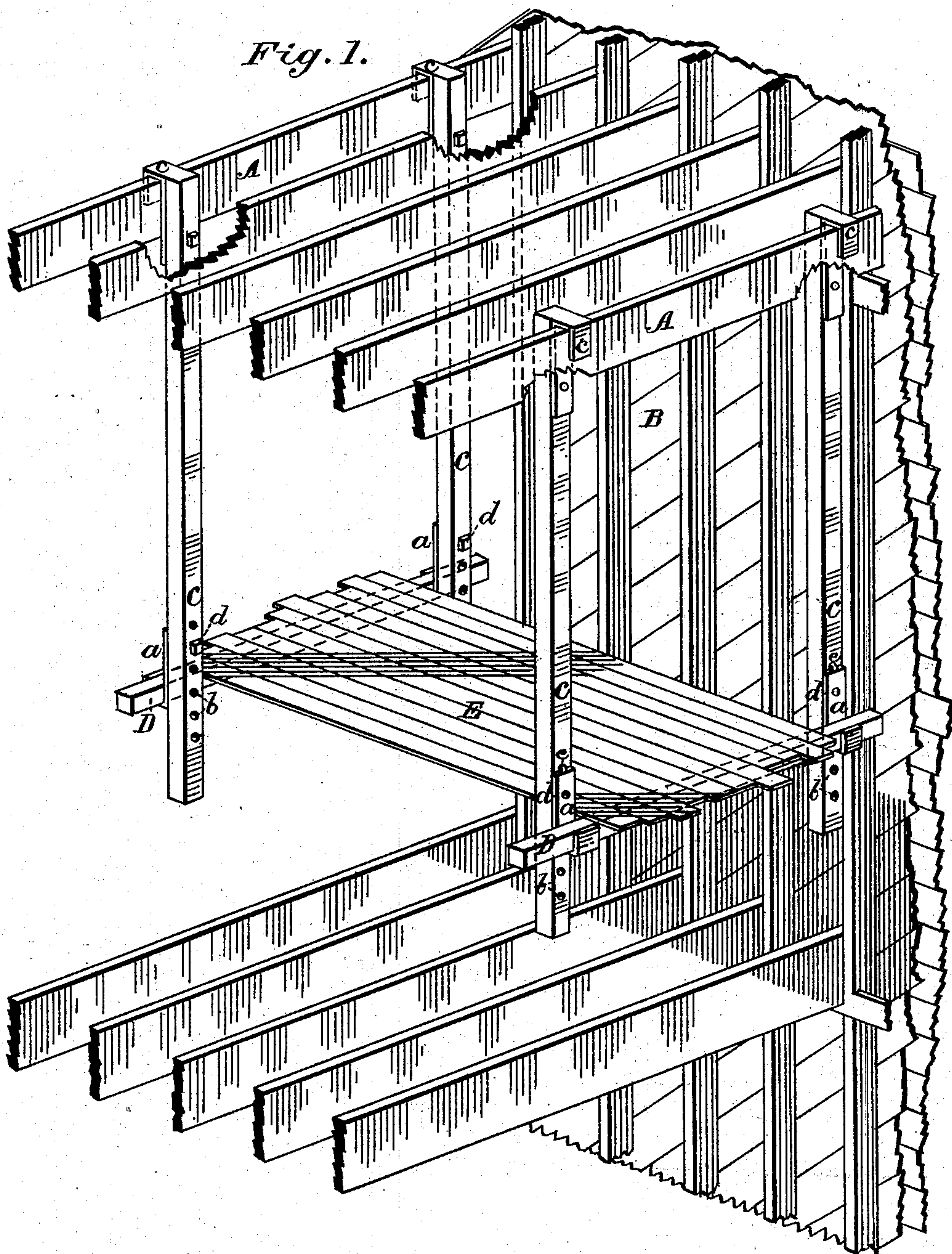
J. H. HANAVAN.

PORTABLE HANGING SCAFFOLD.

No. 276,241.

Patented Apr. 24, 1883.

Fig. 1.



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(No Model.)

2 Sheets—Sheet 2.

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Fig. 2.

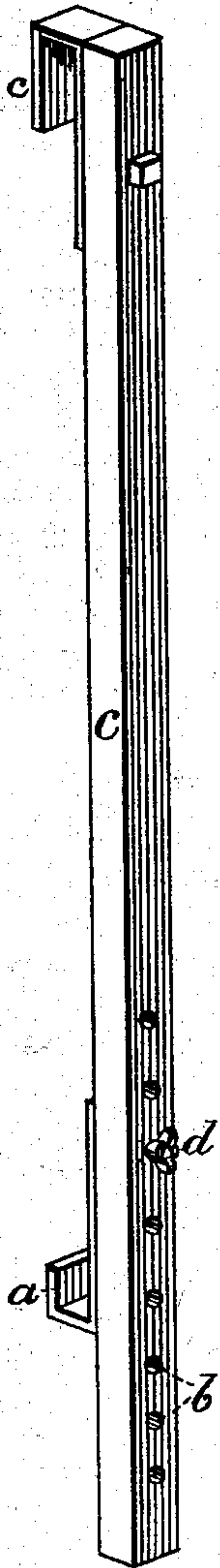


Fig. 3.

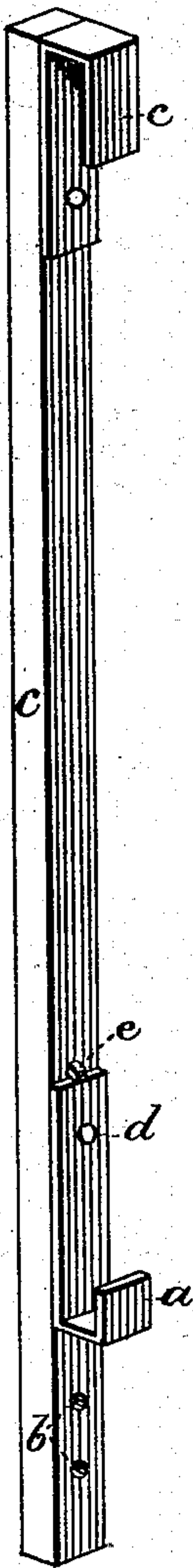
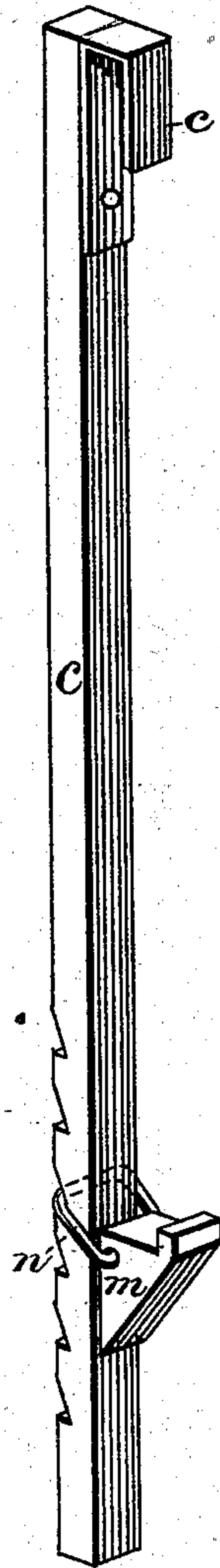


Fig. 4.



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UNITED STATES PATENT OFFICE.

JOHN H. HANAVAN, OF SAN FRANCISCO, CALIFORNIA.

PORTABLE HANGING SCAFFOLD.

SPECIFICATION forming part of Letters Patent No. 276,241, dated April 24, 1883.

Application filed August 15, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. HANAVAN, of the city and county of San Francisco, State of California, have invented an Improved Portable Hanging Scaffold; and I hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to a new and useful portable hanging scaffold; and it consists in certain details of construction, as hereinafter fully described, and specifically pointed out in the claims.

Referring to the accompanying drawings, Figure 1 is a perspective view of my device, showing its application. Figs. 2 and 3 are views of the hanging pieces C. Fig. 4 shows a modification.

Let A represent the joists of a floor above, and B one of the walls of a room.

C represents the hanging pieces. There are four of these. Each has firmly secured to its top a metal strap bent in the form of a hook, *c*, large enough to fit over the joists A and suspend the piece C. At the lower ends of the hanging pieces C are brackets *a*. These consist of metal straps having their lower ends turned up similar to the manner in which the hooks *c* are turned down. In the hanging pieces C are made holes *b*, through any of which a bolt or pin, *d*, passes to secure the bracket to the hanging piece. The upper end of the brackets is formed with a tongue, *e*, which is adapted to fit in the holes *b*, to act with the bolt in firmly securing the brackets. This construction is to render the brackets adjustable. By removing the bolt and tongue the bracket may be raised or lowered and again secured. These four hanging pieces are supported by and suspended from the joists, as shown. In the brackets *a* are laid the horizontal strips D, upon which the flooring or planking E is supported. This completes the scaffold, which provides a firm and sure support.

The great advantage of the device is that it leaves all underneath free, and a workman can be engaged under the scaffold at the wall without having it in his way, as is the case when platforms with legs are used. The adjustability of the brackets provides for high ceil-

ings, where, after working within reach above, the floor may be lowered to allow the workman upon the scaffold to meet the highest limit of the workman below. By being hung from the joists it is entirely out of the way, and as firm as though supported from below.

I do not confine myself to the brackets *a* for supporting the horizontal timbers. In Fig. 4, I show a modification of my means for this purpose. C is the hanging piece. *m* is a right-angled triangular block, to which is hinged or pivoted a loop or bail, *n*. The back of piece C is notched, as shown, and the loop *n* fits in the notches. Upon the block *m* the horizontal pieces are laid. When a weight is put on it, it bears down against the piece C and binds its loop in the notch. When the weight is taken off and the block lifted, the loop slips free of the notch and may be fitted to another one. Thus I gain the adjustability of the floor, as in the other case.

The whole scaffold may be readily taken apart and packed for transportation.

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

1. In a portable hanging scaffold, the hanging pieces C, having hooks *c c* at their tops for suspending them from the joists or other horizontal timbers overhead, in combination with the horizontal supporting-pieces D, and vertically-adjustable supports secured to pieces C, and upon which pieces D rest, substantially as herein described.

2. In a portable hanging scaffold, the hanging pieces C, having hooks *c c* at their tops for suspending them from the joists or other horizontal timbers overhead, in combination with the horizontal supporting-pieces D, and the brackets *a*, with their tongues *e* secured to the hanging pieces C, and rendered vertically adjustable by means of the bolt *d* passing through any of a series of holes, *b*, in said pieces C, substantially as herein described.

In witness whereof I hereunto set my hand.

JOHN H. HANAVAN.

Witnesses:

ALFRED MAYERS,
J. H. BLOOD.