(No Model.)

# I. SMITH.

## SCAFFOLD.

No. 472,406. Patented Apr. 5, 1892.

Fig. 1.

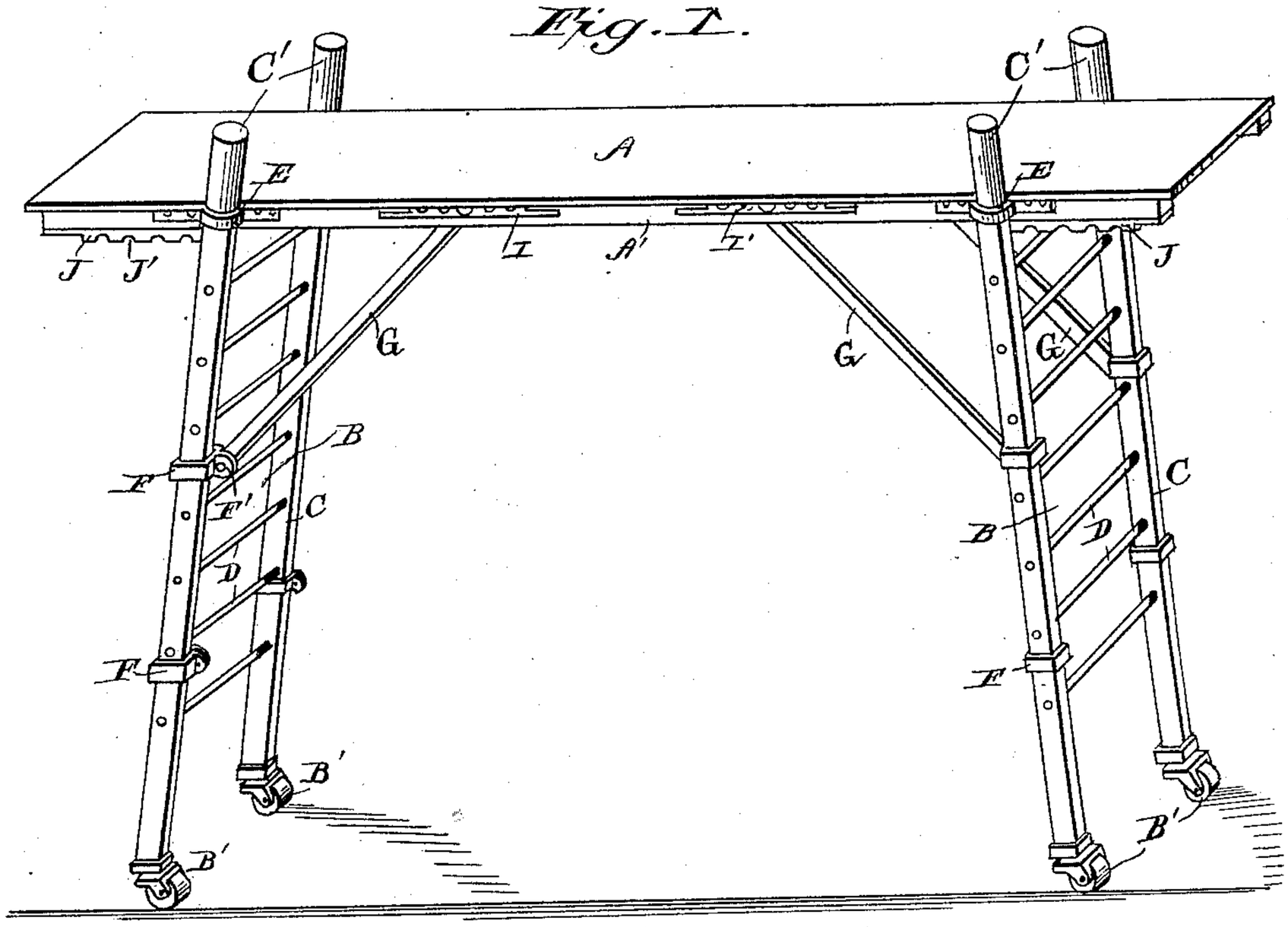



Fig. 2.

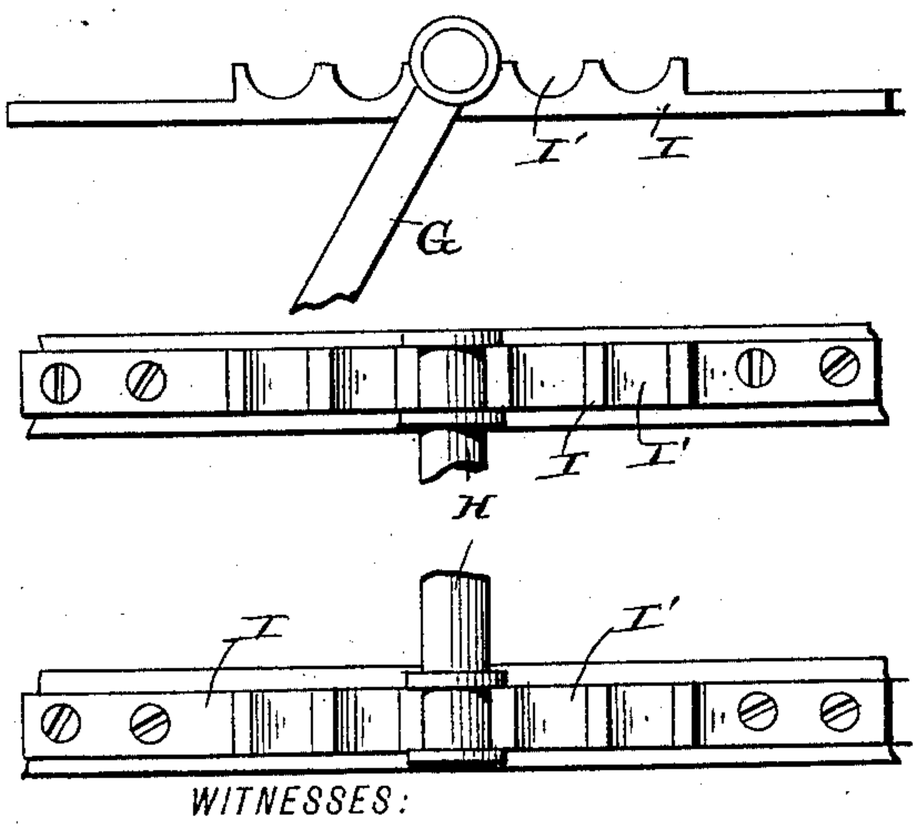
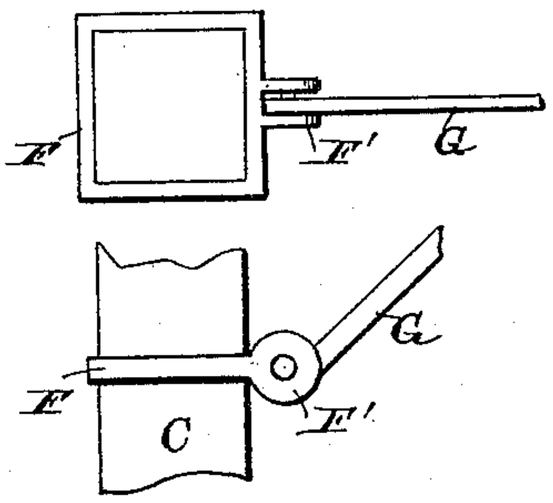



Fig. 3.

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# UNITED STATES PATENT OFFICE.

ISAIAH SMITH, OF NASHVILLE, TENNESSEE.

## SCAFFOLD.

SPECIFICATION forming part of Letters Patent No. 472,406, dated April 5, 1892.

Application filed April 15, 1891. Serial No. 388,983. (No model.)

*To all whom it may concern:*

Be it known that I, ISAIAH SMITH, a citizen of the United States, residing at Nashville, in the county of Davidson and State of Tennessee, have invented certain new and useful Improvements in Scaffolds; 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 consists in a new and improved adjustable scaffold, which is designed for general use, but is especially intended for the use of painters, paper-hangers, plasterers, &c. This scaffold is comparatively simple and very strong and durable in its construction and can be adjusted in a few minutes to the desired height, and when not in use can be readily separated and folded together so as to occupy but little space and be out of the way.

The invention will be hereinafter fully described and claimed.

Referring to the accompanying drawings, Figure 1 is a perspective view of my adjustable folding scaffold. Fig. 2 illustrates in detail the inner racks and the adjustable upper ends of the inclined braces. Fig. 3 illustrates in detail the construction of the collar F and its connection with the standard C and brace-rod G.

The same letters of reference indicate corresponding parts in all the figures.

Referring to the several parts by letter, A indicates the top or platform of the scaffold upon which the painter or plasterer stands. This platform is supported at each end by the supporting-frames B B, consisting of the side pieces C C, which are connected together by the rounds D. The side pieces preferably diverge downward at their lower ends, which are mounted on rollers B′ for convenience in moving the scaffold from place to place, as in a room where the walls are being papered. The upper ends of the side pieces C are rounded at C′, and these rounded ends are inserted loosely through bearing-straps E, secured to the sides of the scaffold near each end of the same, as shown. The side pieces C are square in cross-section, and upon them are secured the square stirrups F, the inner ends of which are formed with the apertured lugs or jaws F′. Between these apertured lugs are pivoted the lower ends of braces G, and in the upper ends of each pair of braces is secured a transverse rod H. Upon the side bars A′ of the platform A are secured at the points near the center shown the racks I, having a series of curved recesses I′ in their upper sides, adapted to receive the transverse rods H. It will now be seen that when the upper rounded ends of the supporting-frames B have been fitted in the bearings E by engaging the transverse rods H, which are secured in the upper ends of the braces G in the racks I, the height of the platform can be accurately regulated by moving the said rods H to the desired recesses I′ of the racks I. When the rods H are so adjusted or dropped into the recess I′, they will be held therein by the weight of the board or platform A.

On the under side of the platform, near the ends of the same, are secured the racks J, the lower sides of which are formed with a series of curved recesses J′. When desired, the platform A can be lowered to the level of any of the rounds D of the supporting-frames by simply resting the ends of the platform on the rounds at the desired height, the rounds engaging in the recesses of the end racks J, and in this case the removable pivot-pins, which hold the lower ends of the braces, are withdrawn and the lower ends of these braces are pivoted in the lower stirrups F, to which they will then reach.

From the foregoing description, taken in connection with the accompanying drawings, the construction, method of adjustment, and decided practical advantages of my new improved scaffold will be readily understood.

It will be seen that my scaffold is comparatively simple and very strong and durable in its construction and that it can be readily adjusted to different heights.

When not in use, or when being carried or shipped from place to place, the platform and braces can be readily separated from the supporting-frames B and the several parts folded together so as to occupy but a small space.

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

1. The combination of the supporting-frames B, having the rounded upper ends C′, the platform having the racks I and the bear-

ing-straps E at its ends, the adjustable braces G, hinged at their lower ends to the supporting-frames and having at their upper ends the transverse rods H, substantially as set forth.

2. The combination of the supporting-frames consisting of the side pieces having the rollers B′ at their lower ends and formed with the rounded upper ends and the connecting-rounds D, the series of stirrups F, secured on the side pieces of the supporting-frames, the adjustable braces removably pivoted at their lower ends in the stirrups and having at their upper ends the transverse rods H, and the platform A, having the bearing-straps E, the racks I, and the end racks J, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ISAIAH SMITH.

Witnesses:
T. G. EWING,
HUGH L. PRICE.