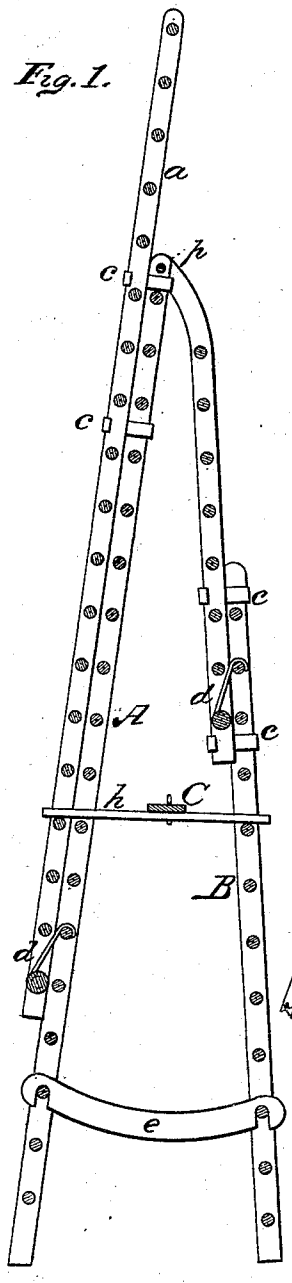
J. MURRAY.

Scaffolds.

No. 151,150. Patented May 19, 1874.

Fig. 1.



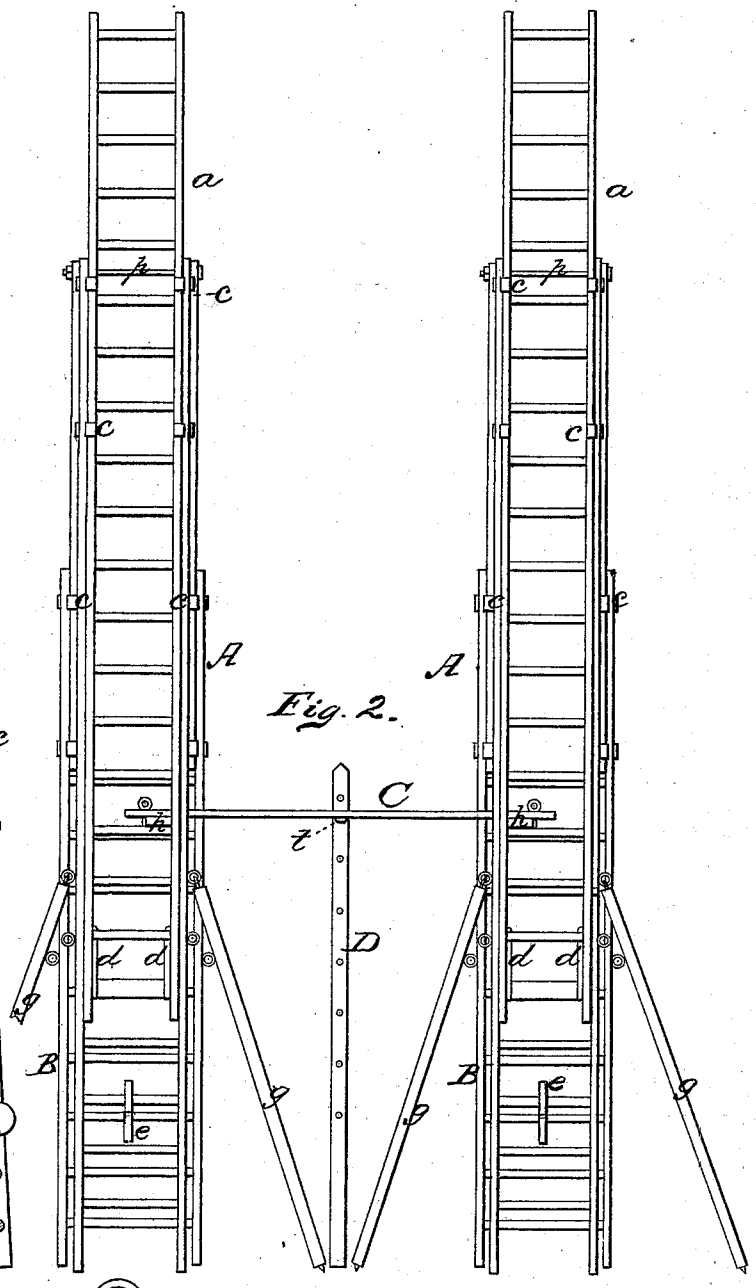
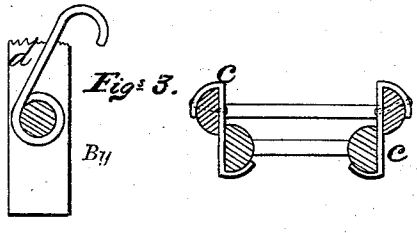




Fig. 2.

Fig. 3.




WITNESSES

E. H. Bates

Geo. C. Upham.

INVENTOR

John Murray

By Chipman Fosmer & Co

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

JOHN MURRAY, OF BRUNSWICK, MAINE.

## IMPROVEMENT IN SCAFFOLDS.

Specification forming part of Letters Patent No. 151,150, dated May 19, 1874; application filed March 28, 1874.

*To all whom it may concern:*

Be it known that I, JOHN MURRAY, of Brunswick, in the county of Cumberland and State of Maine, have invented a new and valuable Improvement in Builders' and Painters' Staging; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a sectional view of my staging. Fig. 2 is a front, and Figs. 3 detail, views of the same.

This invention has relation to stages or supports for painters and builders; and it consists in combining, with extension-ladders and hinged props therefor, a horizontal stage or platform and adjustable supports, as will be hereinafter explained.

In the annexed drawings, A A designate the lower portions of two extension-ladders; and *a a* are the sliding sections, which are connected to the lower sections by means of clasps *c c*, and sustained at different heights by means of hooks *d d*. B B designate extension prop-ladders, which are respectively composed of two sections put together, and sustained by hooks and clasps, as described for the main ladders A A. The upper ends of the upper prop-sections are connected to the upper ends of the lower sections of the main ladders by hinges or pivots *p*, so that the base of each ladder can be extended or contracted, as circumstances require. To prevent the lower ends of the ladders and props from spreading when erected, I employ tie-bars or braces *e e*, having hooked ends, which are hooked over the rounds of the main ladders and their props, as shown in Fig. 2. To prevent the ladders and props from falling laterally, I employ inclined props *g g*, which are hooked to the lower section of the main ladders and spiked to the ground. These props are detachable from their ladders. C designates a horizontal stage, which may be of any suitable length and width, and which is designed to afford a support for persons working on a building. The ends of the stage are sustained by means of cross-bars *h h*, which are supported upon the rounds of the ladders and their props, and which may be located at different heights from the ground. This stage C is also supported at the middle of its length by means of an adjustable pin, *t*, applied to a vertical post, D, which latter passes through the stage, and rests upon the ground between the ladders. This post D will prevent the stage from sagging, and will hold it steady when persons are at work on it.

When the ladders are not in use, they can be shortened and folded into a small compass for transportation.

What I claim as new, and desire to secure by Letters Patent, is—

The vertically-adjustable stage C, supported by cross-bars *h h* on the rounds of ladders, and by an intermediate post, D, in combination with folding ladders and props, substantially as and for the purposes described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN MURRAY.

Witnesses:
N. T. WORTHLEY,
J. H. LOMBARD.