J. P. Wright.

Scaffold.

No. 63,775. Patented Apr. 9, 1867.

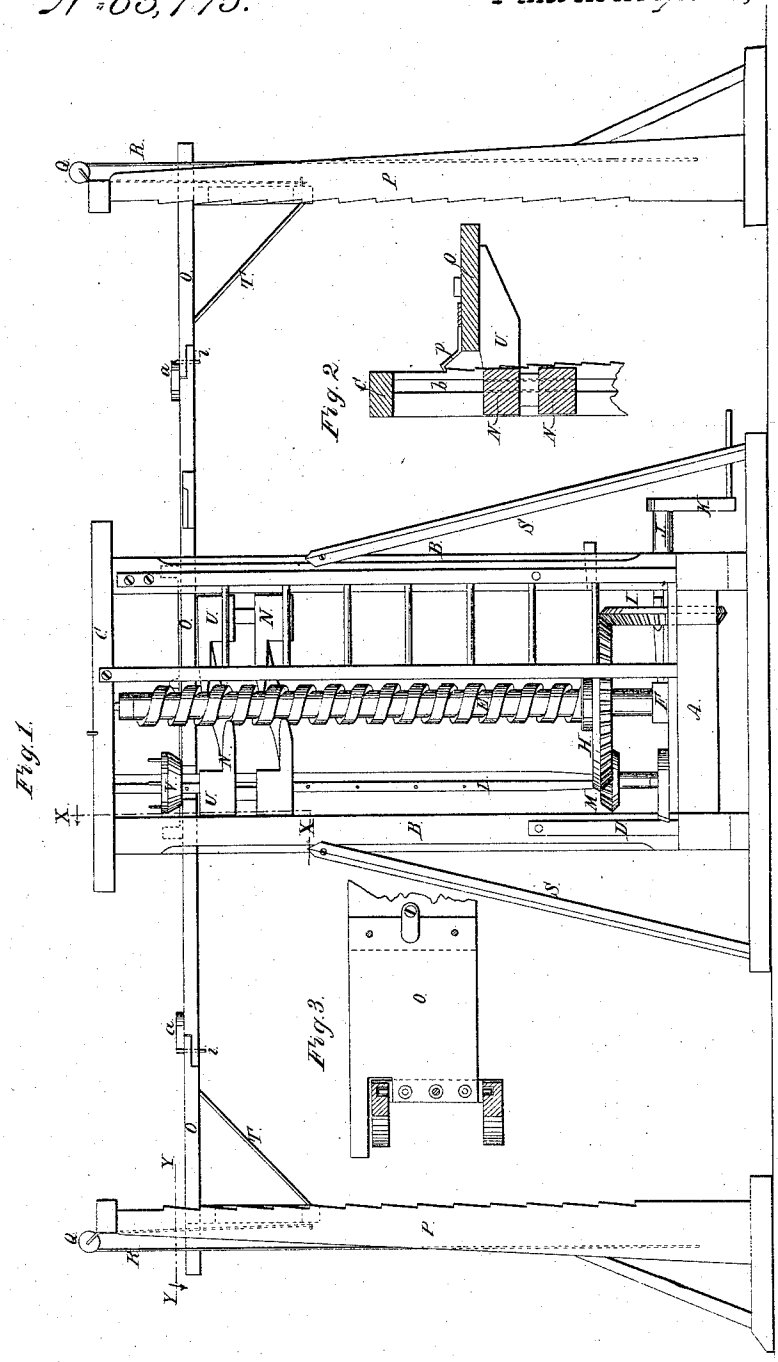


Fig. 1.

Fig. 2.

Fig. 3.

Witnesses.
F. A. Jackson.
Wm. Irwin

Inventor.
J. P. Wright
Per Munn & Co
Attorneys

THE GRAPHIC CO. PHOTO-LITH. 39 & 41 PARK PLACE, N.Y.

United States Patent Office.

JOHN P. WRIGHT, OF CANTON, MINNESOTA.

Letters Patent No. 63,775, *dated April* 9, 1867.

IMPROVED SCAFFOLD.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN P. WRIGHT, of Canton, Leonora post office, Fillmore county, Minnesota, have invented a new and improved Scaffold; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

The nature of my invention consists in so constructing a scaffold that, by means of a screw and proper gears attached thereto, may be elevated or lowered by the side of a building, or at any other desired place, with facility and convenience. My invention is peculiarly adapted to the use of builders and painters, as it is portable and can be moved with convenience from place to place as may be desired.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

Figure 1 is a front elevation of my improved scaffold.

Figure 2 is a section taken from the line *x x*, showing a portion of one of the main posts and the groove in which the platform works.

Figure 3 is also a section from the line *y y*, showing a portion of the platform.

Letters of like name and kind refer to like parts in each of the figures.

A represents a rectangular frame, from which extends, in a vertical direction, two posts B B, the tops of which are secured by a cross-beam, C, and the lower ends are more rigidly secured to the frame A by four inclined braces D D, which extend from the side of the said frame up to the said posts B B, and firmly secured thereto, by which a firm support is given to the posts F. E is a screw-shaft, which runs upon a journal in a suitable bearing, which is secured to a bridge-tree, F, that has its support on the cross-pieces G G, only one of which is shown in the drawings, as these are no part of my invention, therefore are not shown. Near the lower end of the shaft E is a bevel-wheel, H, that meshes into a corresponding bevel-wheel, I, which runs upon the shaft J, which runs in proper bearings, the said shaft being provided with a crank, K. L is also an upright shaft, to which is also attached a bevel-wheel, M, that corresponds with the wheel H. This shaft also runs in proper bearings at top and bottom, and near the top is a wheel, V, provided with pintles for the purpose of turning the shaft. N N are nuts, through which the screw-shaft E works. These said nuts are provided with a lug that is fitted into and works in the groove *b* of the upright posts B B. O is the platform of the scaffold, which is made fast to arms U U, extending out from the nuts N. P P are posts, which are provided with grooves upon the inside, in which works a frame, to which is also attached a platform that may be joined to the main platform O when it is desired to lengthen. These platforms may be raised by means of the rope and pulley Q and R. S S are braces or stays, the tops of which are secured at any convenient point upon the posts B B, and extend out and down to the ground and fastened thereto so as to give permanency and steadiness to the posts B B. T T are braces that run from the posts P P on an incline up, and give support to the platform O. *p p* are hooks that catch into the notches *a* in the posts B, for the purpose of giving support to the platform O.

The operation simply consists in placing the platform in any desired position at the side of a building, and then by turning the crank K, puts in motion the shaft E through the medium of the gear-wheels I and H, when, by the action of the screw-thread upon the nuts N N, the platform is raised or lowered as desired. When it is desired to elevate or lower the scaffold while upon the platform, by turning the horizontal wheel V upon the shaft L, accomplishes this purpose through the medium of the gear-wheel M. It will be observed that when it is desired to use only a short scaffold, the portions attached to the posts P P may be removed by turning the buttons *a a*, and removing the pins *i i*, when they can be removed readily. Thus it will be observed that by my invention the injuring and destroying lumber in erecting scaffolds, as well as injuring the walls of buildings in nailing the scaffolds thereto, are avoided.

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

1. I claim the arrangement of the posts P P with the platform O, in combination with the screw-shaft E, substantially as described.

2. I also claim the shaft L and bevel-wheel M, in combination with the shaft E and nuts N N, substantially and for the purposes set forth.

JOHN P. WRIGHT.

Witnesses:

O. ZEILBIS,

D. N. FAIRBANK.