

W. W. WHEELER.
PAINTER'S SCAFFOLD.

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944,529.

Patented Dec. 28, 1909.

Fig. 1.

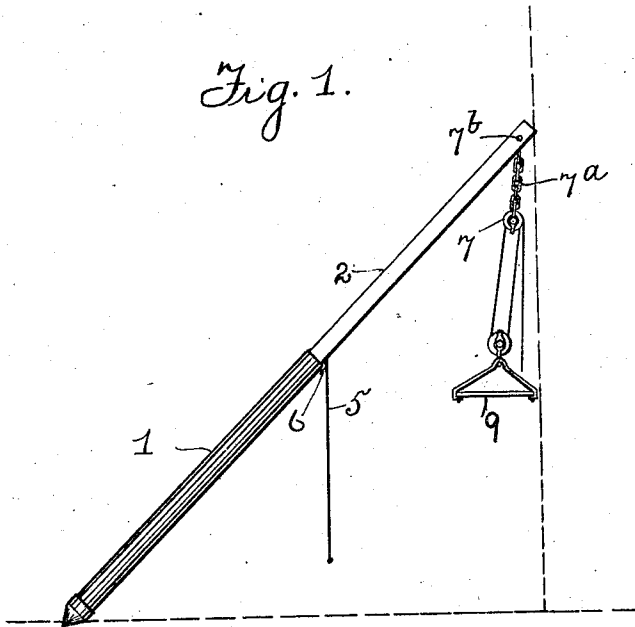


Fig. 2.

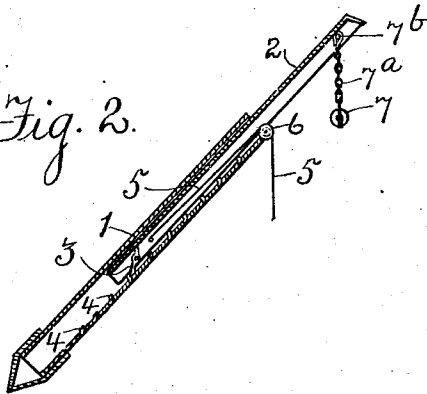


Fig. 4.

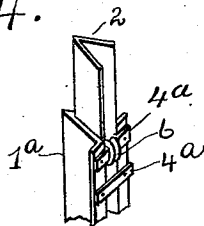
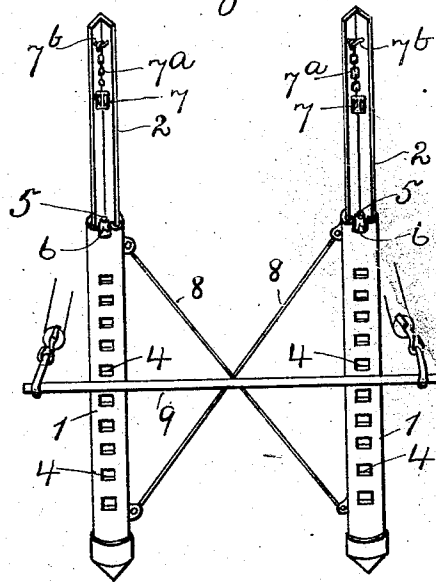


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM W. WHEELER, OF CLOQUET, MINNESOTA.

PAINTER'S SCAFFOLD.

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To all whom it may concern:

Be it known that I, WILLIAM W. WHEELER, a citizen of the United States, residing at Cloquet, in the county of Carlton and State of Minnesota, have invented certain new and useful Improvements in Painters' 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 relates to scaffolds and has for its object the provision of an improved scaffold adapted for the convenient use of house painters.

It consists of the constructions, combinations and arrangements of parts hereinafter described and claimed.

In the drawings, Figure 1, is a side elevation of one form of my invention, Fig. 2 is a vertical central section of a telescopic post or leg forming part of the same. Fig. 3, is a front elevation of the said scaffold, omitting portions of the operating ropes. Fig. 4, is a fragmentary perspective view of a modified form of one of said telescopic posts.

In the drawings, 1 and 1^a are different forms of the outer and lower section of a telescopic leg, into which the upper section 2 of said leg extends. Said lower section is preferably tubular in form, as in Figs. 1, 2 and 3; but said lower section may be of any suitable form, as, for example, of angular construction as shown in Fig. 4. In either forms of construction, a dog 3, is pivotally secured to the upper section and is adapted to swing on its pivot to a vertical position when said upper section is vertical, and to swing forwardly at its lower end when said leg is inclined forwardly. Said lower section is provided with a plural number of steps, of any suitable construction as 4 (Fig. 2) or as 4^a (Fig. 4), which steps 4 are formed by beading inward material from the front wall of form 1 of said lower section; the steps 4^a are formed by securing cross bars to the diverging wings of form 1^a of said lower section. These steps in either case are adapted to engage said dog at various elevations when the leg is inclined forward, and to thereby support said upper or inner section. Secured to the inner section 2 of said leg, near the lower end thereof is a flexible hauling device of any suitable construction or material, as, for example, a rope 5, which extends upwardly and over a

roller or pulley 6 mounted on the upper end of said outer section in front thereof, whence said flexible means hangs down outside of said lower section convenient to the grasp of an operator, who, by hauling thereon may draw said inner section upwardly to lengthen the leg. Depending from said upper section at a point near the upper end thereof is a pulley 7, secured to said section in any suitable manner, as by means of a chain 7^a and pin 7^b. In the complete scaffold there are two such legs, similarly equipped with hauling means. If desired, the lower sections of said legs may be tied together by tie rods 8, and, if desired, each leg may be provided with a pointed ferrule 9. Suspended in any suitable manner and by any suitable means, from the pulleys 7, 7, is a standing board, or ladder 9 of any suitable construction, such as is commonly used by painters and is well known to the art.

In operation, the standing board or ladder 9 is first connected with the legs. The legs are then extended as far as desired to reach the necessary height on the wall to be painted, the dogs engaging the steps when the legs are inclined forward against the wall. The painters may then take their position on the standing board and by hauling away on the suspending cables may raise the standing board from the ground to the desired height. The free ends of the suspending cables are then made fast in any suitable manner or to any suitable anchorage within reach of the operator or operators.

In taking down the scaffold, the standing board is first lowered preferably to the ground so as to ease the strain on the legs. The legs are then raised from inclined to vertical position, and the upper sections are drawn up a trifle to permit the dogs to swing clear of the supporting steps. The upper sections are then lowered into the lower sections and the standing board or standing board and its suspending cables or said suspending cables and blocks may then be detached from the upper sections of the legs. Said tie rods may then if desired be unhooked or detached from the lower ends of the legs.

I am aware that some forms of extensible scaffold legs are old, and I do not therefore claim such legs broadly. It is obvious, however, that within the scope of my claim minor modifications of said construction may be made, and especially may the device

be of any suitable dimensions or proportions without departing from my invention.

What I claim is—

A scaffold leg comprising a cylindrical
5 lower exterior section, an angular interior
upper section adapted to slide in and extend
from said lower section, inwardly extending
steps formed on the wall of the lower sec-
tion in front of said upper section, a dog
10 pivotally secured to said upper section near
the lower end thereof and adapted to hang

vertically clear of said steps when said leg
is in vertical position and to swing forward
and engage one of said steps below the same
when said leg is inclined forwardly.

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

WILLIAM W. WHEELER.

Witnesses:

WILLIAM G. JOHNSON,
J. E. DIESEN.