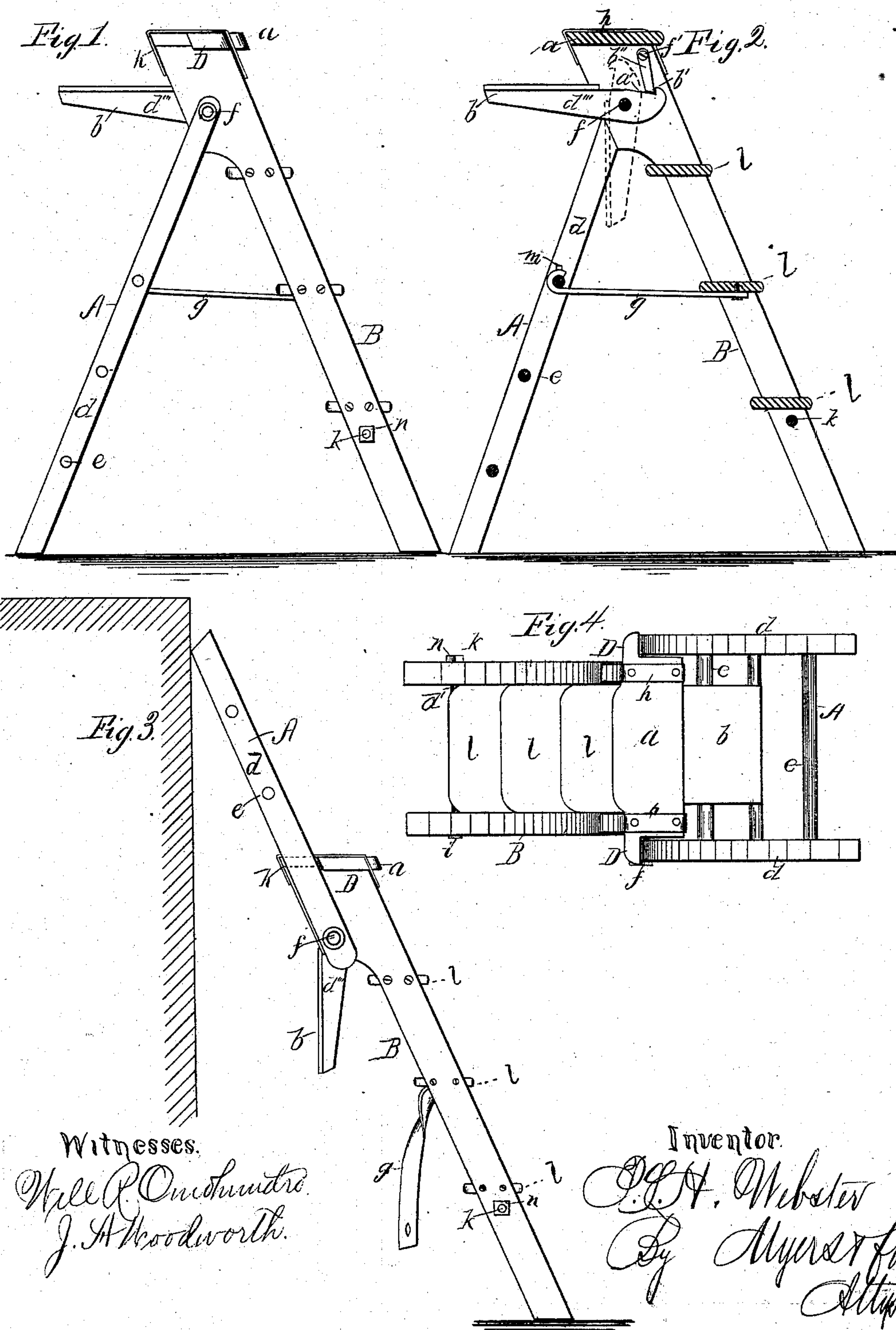


(No Model.)

P. L. H. WEBSTER.
Step Ladder.

No. 237,349.

Patented Feb. 1, 1881.



Witnesses.
Will R. Onchundro
J. A. Woodworth.

Inventor.
P. L. H. Webster
By Myers & Co.
Attys.

UNITED STATES PATENT OFFICE.

PER LEE H. WEBSTER, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO
GEORGE J. WILLIAMS, OF SAME PLACE.

STEP-LADDER.

SPECIFICATION forming part of Letters Patent No. 237,349, dated February 1, 1881.

Application filed November 29, 1880. (No model.)

To all whom it may concern:

Be it known that I, P. L. H. WEBSTER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Step and Extension Ladders; 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to an improvement in step and extension ladders—one and the same device—having such novel arrangement of parts that it is thereby adapted to fulfill at will the purpose of a step or extension ladder; and it consists in the combination and arrangement of the parts, as hereinafter more specifically set forth.

In the drawings, Figure 1 is a side elevation of my improvement when employed as a step-ladder. Fig. 2 is a sectional view thereof. Fig. 3 is a side elevation of my device when employed as an extension-ladder; and Fig. 4 is a plan view of my step-ladder.

A represents an upright with standards or longitudinal pieces *d d* and transverse pieces *e e*, and it is hinged by the horizontal bolt *f* to the step-standards B and adjustable platform *b*.

B marks the standards holding the steps *l l* of the ladder, which are inserted, for greater strength and security, in recesses provided in the standards of the steps, wherein they are rigidly secured, as shown, by screws. The step-section is strengthened by the horizontal bolt *k*, having washers *i i* and nut *n*, by the bolt *f*, and by the metallic straps *h*, which project over the top of the platform *b* and are secured to the standards of the steps *l l*.

The adjustable platform *b* is hinged by the

bolt *f*, which projects through its longitudinal pieces *d''' d'''*, said pieces being slightly beveled at *a'*, and thus provided with the shoulders *b'* to prevent the descent of the platform when secured by the pivoted clamps *b''*, the said clamps being pivoted by the bolt *f'*, which projects through the standards of the step.

The brace *g* is secured by the pin *m*; but I do not confine myself to this method of holding rigidly the longitudinal sections of the device when employed as a step-ladder, as metallic rods or other well-known mechanical expedient may be employed for holding the longitudinal sections of the step-ladder rigidly in position.

The platform-step *a* is provided with transverse recesses, into which are fitted the standards B B for strengthening the connection of the parts, and it is also provided with the shoulders D D, against which the standards *d d* of the upright A rest when the ladder is extended, and these shoulders are strengthened by the metallic straps *h*.

The adjustable platform *b* is designed to enable the person using the step-ladder to operate in a line perpendicular to the base of the upright A, and thus to attain immediate proximity, when needful, to the intended work—as painting, whitewashing, gathering fruit, and such like operations.

What I claim is—

1. In an extension step-ladder, the adjustable platform *b*, hinged by bolt *f*, pivoted clamp *b''*, and step-standards B B, in combination, substantially as shown and described.

2. The combination of the step-standards B B, pivoted clamp *b''*, adjustable platform *b*, and upright A, substantially as shown.

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

PER LEE H. WEBSTER.

Witnesses:

GEORGE J. WILLIAMS,
SILAS S. WILLARD.