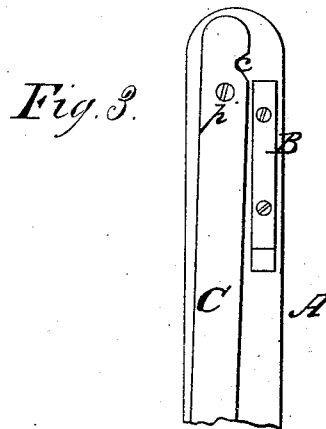
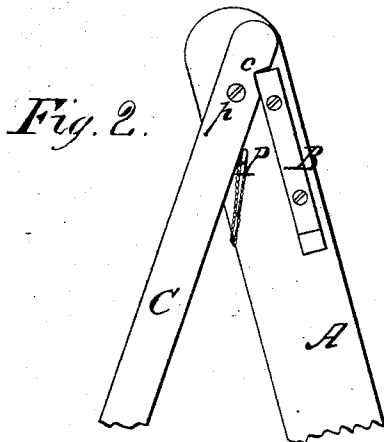
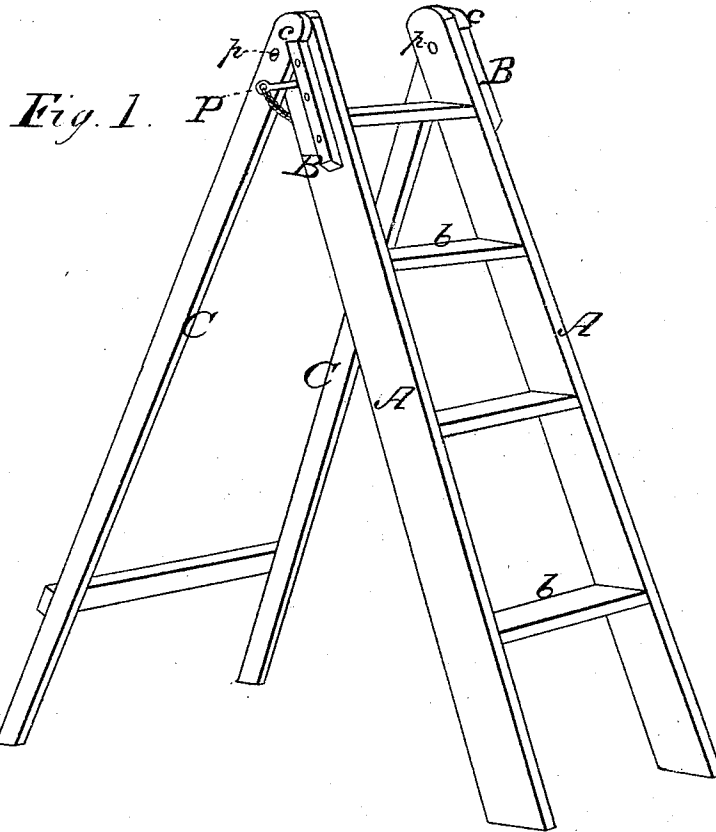


J. D. WINSLOW.
Step-Ladders.

No. 151,946.

Patented June 9, 1874.



WITNESSES

Mary J. Wiley.
Geo. E. Upham.

BY

INVENTOR

Jacob D. Winslow.
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UNITED STATES PATENT OFFICE.

JACOB D. WINSLOW, OF WILMINGTON, DELAWARE.

IMPROVEMENT IN STEP-LADDERS.

Specification forming part of Letters Patent No. **151,946**, dated June 9, 1874; application filed April 18, 1874.

To all whom it may concern:

Be it known that I, JACOB D. WINSLOW, of Wilmington, in the county of New Castle and State of Delaware, have invented a new and valuable Improvement in Step-Ladders; 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 drawing is a representation of a perspective view of my step-ladder, and Figs. 2 and 3 are detail views of the same.

This invention has relation to step-ladders; and it consists in the construction and novel arrangement of the rear props, which are notched near their upper extremities, and are pivoted externally to the side bars of a ladder at a point below these notches, and near the upper extremities of said side bars. These notches are so arranged and constructed as to bear upon check-blocks rigidly secured to the side bars of the ladder, whereby said props, when extended, will be checked upon said blocks.

In the annexed drawings, A A designate the side bars, and b b b the steps or rounds, of a ladder, applied, the one to the other, in the usual well-known manner. B B are rectangular blocks, of suitable length, rigidly secured externally to the upper and front parts of the side bars A A, as shown in Fig. 2. C C are legs of a rear prop, braced transversely near their lower extremities, and which are notched near their upper extremities, for a purpose hereinafter to be explained. These legs C C of the rear props are each pivoted near their upper extremities, and below the notches c c, to the outside of the side bars A A, in such manner as that they will vibrate thereon, and receive the side bars A A within them, when the lower ends of the prop and side bars are

brought together in the act of folding. The pivots *p* may in practice be provided with heads on one end, and secured in place by means of nuts and screw-threads at the other; or they may be secured in any other suitable manner. P designates a pin, secured to the ladder, which pin, when inserted into a perforation below the pivot *p* in the side bars A A, serves to keep the prop from vibrating inwardly when in use, and thus keeps the ladder erect. The angular ends *b b* of the check-blocks B B are constructed to bear against angular notches, *c c*, in the legs C C, and serve, when thus shouldered, to prevent the legs C C of the props, and the side bars A A, from extending beyond a certain point and causing the fall of the ladder.

It will be seen from the above description that my improved step-ladder presents the following advantages over those commonly in use, to wit, its simplicity of construction, cheapness, compact form, and its durability; and it will, moreover, be seen that all danger of its falling when in use is obviated by the engagement of the notched legs C C with the ends of the check-blocks B B, and by the insertion of the pin P into the perforation, as above described.

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

The notched props C C, pivoted to the outer surface of the side bars A A, to embrace said side bars, in combination with the check-blocks B B and side bars A A, substantially as specified.

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

JACOB DERICKSON WINSLOW.

Witnesses:

ZACKARIAH PICKELS,
M. D. LAMBORN.