

J. H. Balsley.

Step Ladder.

No. 99,621.

Patented Feb. 8, 1870.

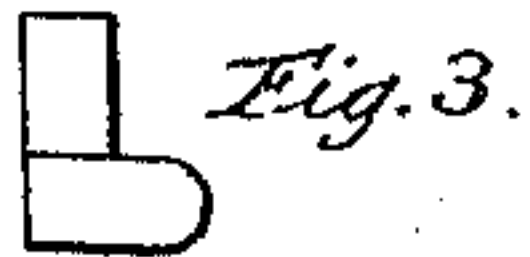


Fig. 4.

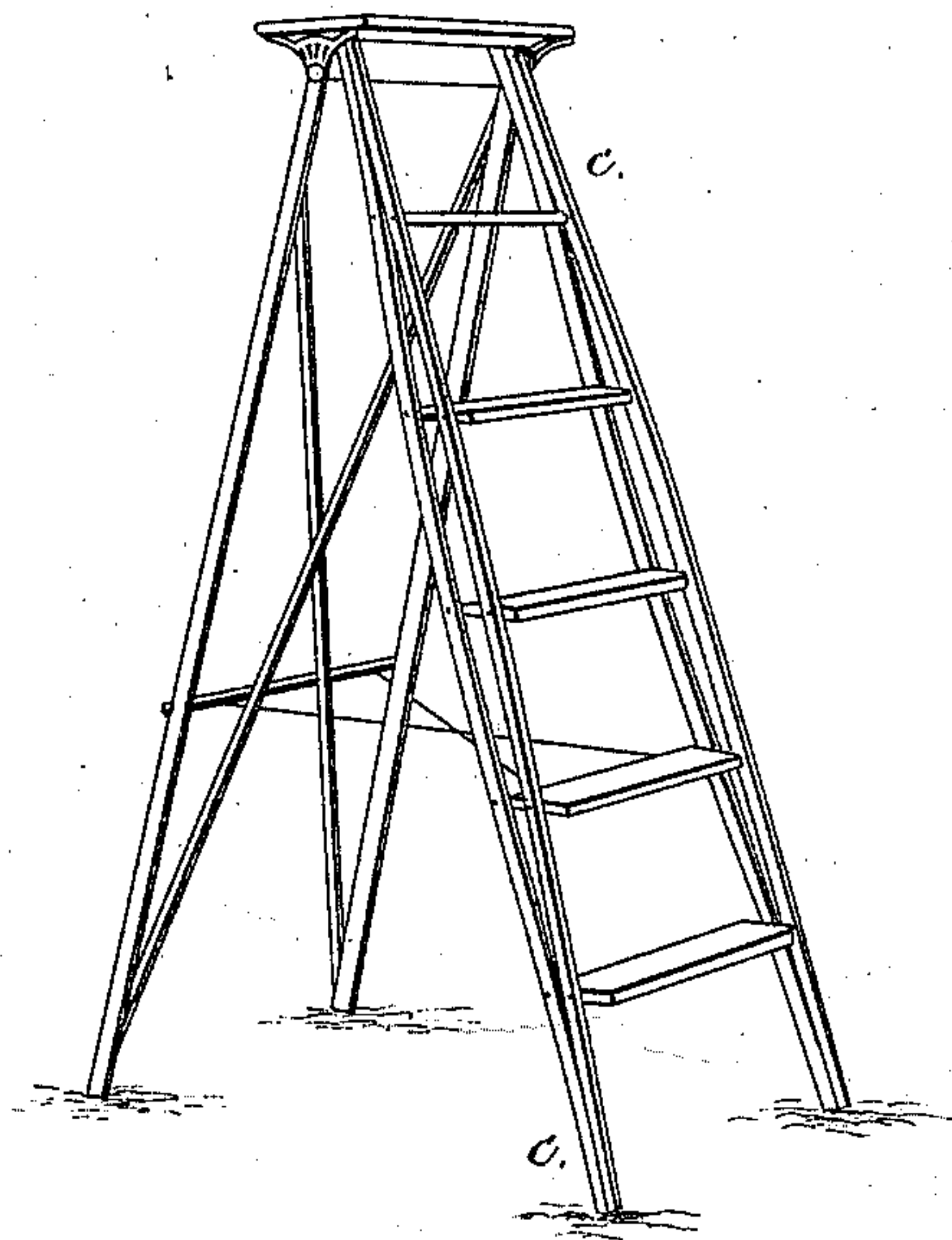
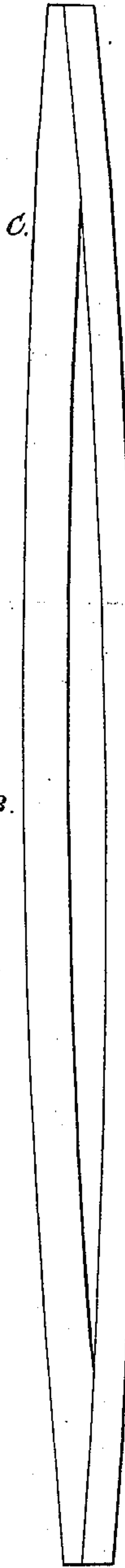


Fig. 2.



B.

A Fig. 1.



Witnesses:
N. S. Everett
Geo. P. Achey

Inventor:
John H. Balsley
F. B. Brocke

United States Patent Office.

JOHN H. BALSLEY, OF DAYTON, OHIO.

Letters Patent No. 99,621, dated February 8, 1870.

IMPROVEMENT IN STEP-LADDERS.

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 H. BALSLEY, of the city of Dayton, county of Montgomery, and State of Ohio, have invented a new and improved Mode of Constructing Step-Ladder Sides; and I do hereby declare that the following is a full and exact description thereof, reference being had to the drawing, and letters marked thereon.

The nature of my invention consists in the construction of step-ladder sides, of two strips, their width being greater than their thickness, and the edge of one joined to the sides of the other.

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

I construct step-ladder sides of two strips, A and B, fig. 1, their width being greater than their thickness, the face of the top strip A being horizontal, and that of the bottom strip, B, vertical. The ends of said strips being joined, as shown in the drawing, with marine glue and screws, so as to make a permanent joint, thus making a strong and neat ladder side, with

vertical and lateral strength, with the least amount of material.

Figure 2 represents the face or top of the side.

Figure 3 represents a cross-section of side cut at the point C.

Figure 4 represents a ladder constructed with the above described side, showing their connection with other parts of the ladder.

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

The construction of step-ladder sides, of strips of wood or other material, the strips having a greater width than thickness, and the edge of one joined to the side of the other, thus forming an angle, to give vertical and lateral strength with the least amount of material, all substantially as set forth.

JOHN H. BALSLEY.

Witnesses:

N. S. EVERETT,
JNO. P. ACHEY.