

J. H. Balsley.

Ladder Hinge.

Nº 99,622.

Patented Feb. 8, 1870.

Fig. 1.

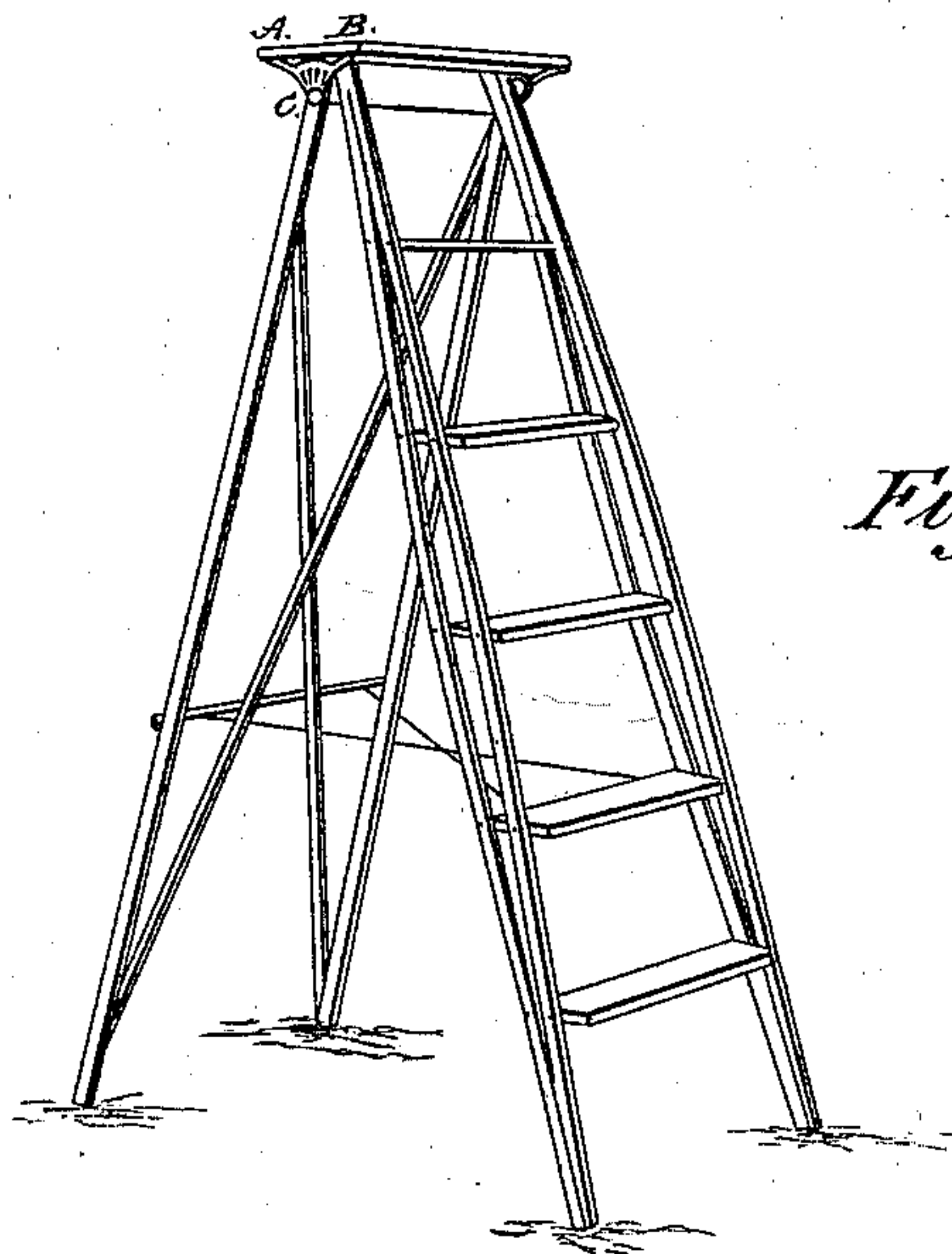
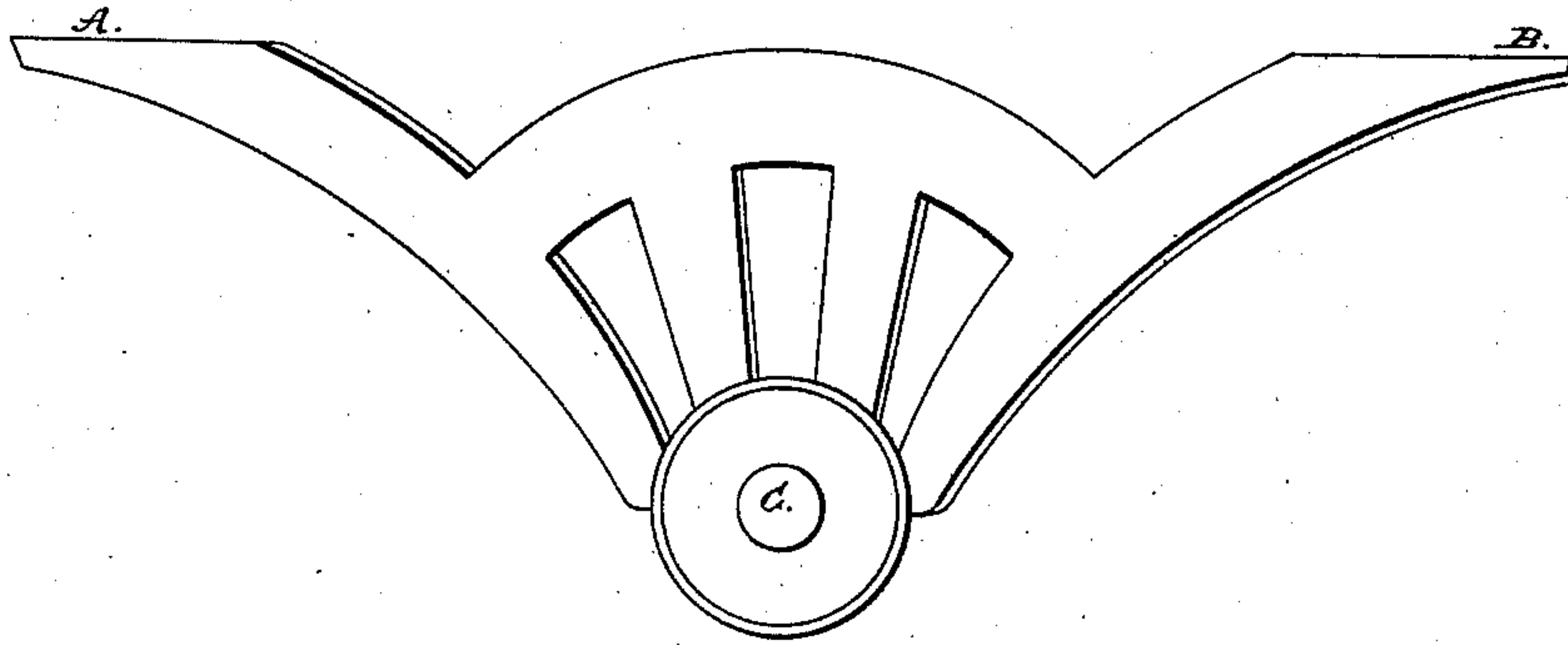
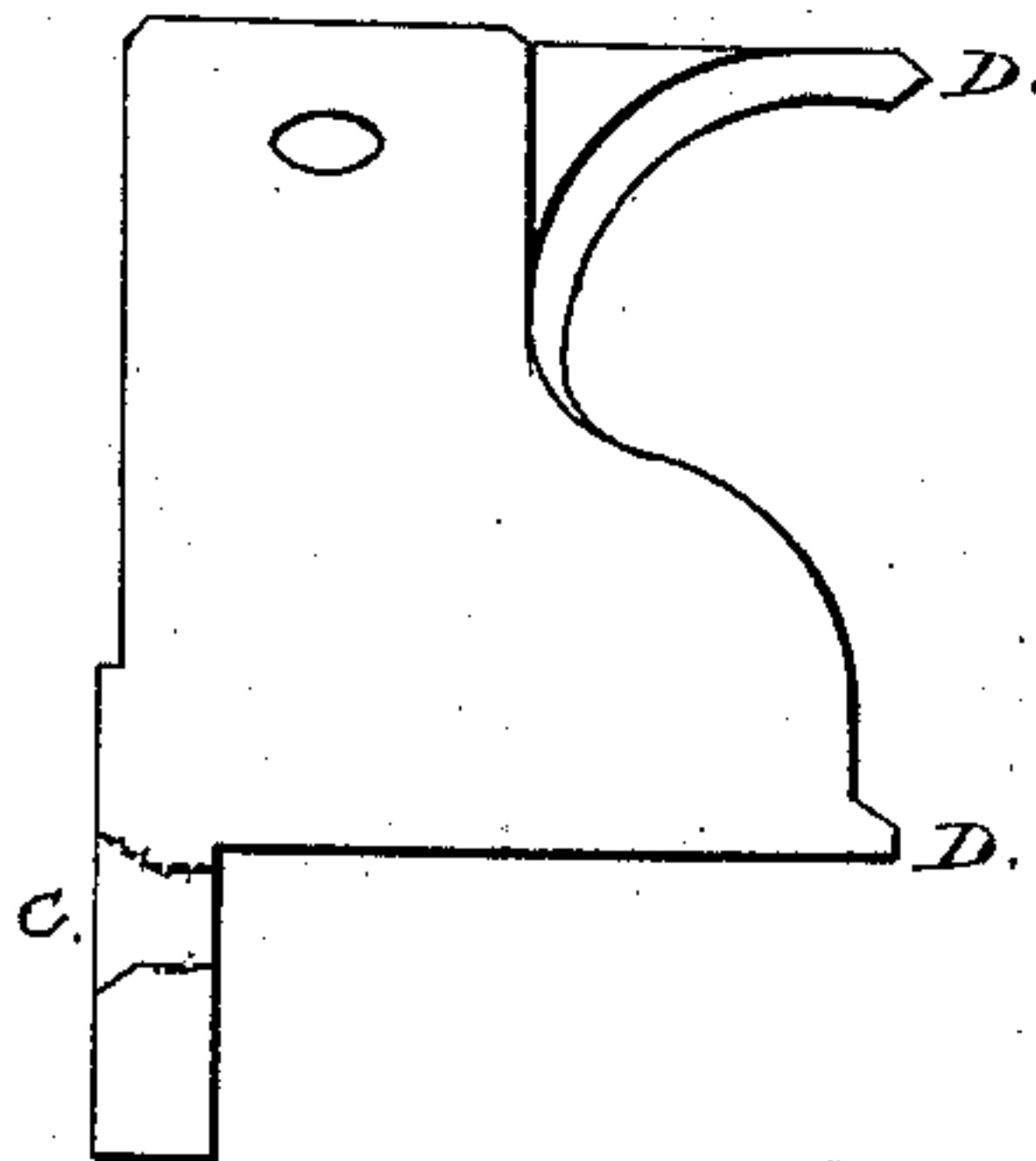


Fig. 3.

Fig. 2.



Witnesses:
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United States Patent Office.

JOHN H. BALSLEY, OF DAYTON, OHIO.

Letters Patent No. 99,622, dated February 8, 1870.

IMPROVED BRACKET-HINGE FOR 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 Dayton, Montgomery county, and State of Ohio, have invented a new and improved Bracket-Hinge for the Support of a Step-Ladder Top, and for connecting the leg of the ladder therewith; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in providing a metal bracket for the support of the top step on a ladder, and for the forming of a joint for the leg of the same, all as more fully hereinafter described.

To enable others skilled in the art to make and use my invention, I will proceed to describe it, and the manner of using it.

I construct a metal bracket, in design like Figure 1, with two arms, A and B. Through the points of these arms are holes, for the reception of screws, to attach it to the top step.

There is also a hole at the centre, c, for the reception of a large screw, which passes through the bracket and leg, into the head-piece under the top, as shown in the drawing.

The points D D, Figure 2, are driven into the side and head-piece, to give additional permanency to that of the screws.

The recess under the face of the bracket is shaped so as to allow the end of the leg to move free in the proper direction, the hole through which the large screw passes being of sufficient distance from the end of the leg to give the requisite strength, without any metallic or other attachment.

Figure 2 is an end view of bracket.

Figure 3 represents a full-drawn ladder, with bracket-hinge in place, and attached is leg E, thus forming a bracket and hinge of one piece of metal.

Having thus fully described my invention,

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

A metal bracket, constructed, as described, to form a support for a ladder-top, and a joint for the leg, without the use of any attachment to said leg or support.

JOHN H. BALSLEY.

Witnesses:

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