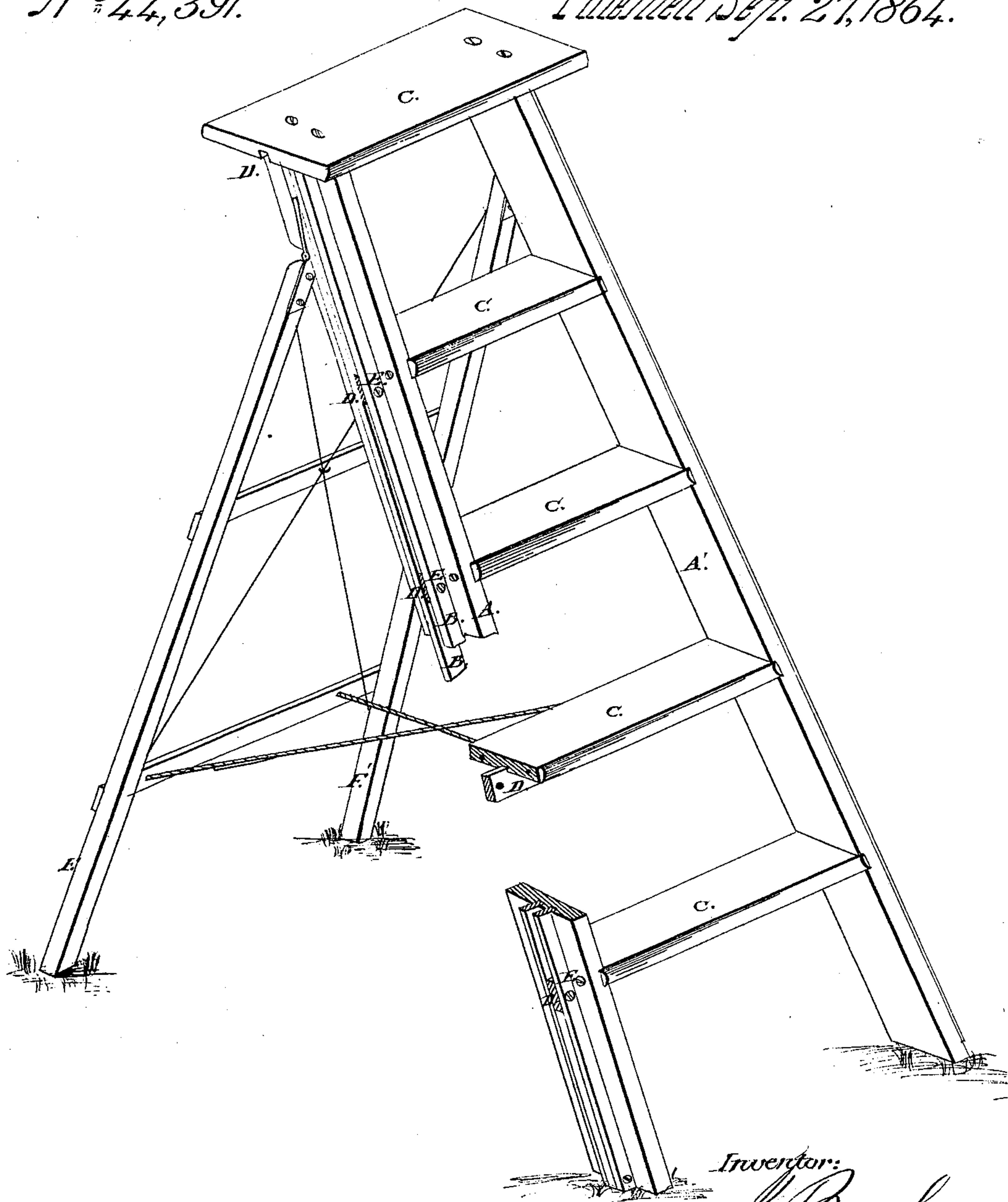


*J. Booher.*  
*Step Ladder.*

*N<sup>o</sup> 44,391.*

*Patented Sept. 27, 1864.*



*Witnesses:*  
*James W. Gayman.*  
*Geo. H. Madman*

*Inventor:*  
*J. Booher.*  
*per*  
*Knight Bros.*  
*Attys.*

# UNITED STATES PATENT OFFICE.

JESSE BOOHER, OF DAYTON, OHIO, ASSIGNOR TO GEORGE W. HOGLEN.

## IMPROVED STEP-LADDER.

Specification forming part of Letters Patent No. 44,391, dated September 27, 1864.

*To all whom it may concern:*

Be it known that I, JESSE BOOHER, of Dayton, Montgomery county, Ohio, have invented a new and useful Improvement in Ladders; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing, making part of this specification.

My invention is directed to a construction of ladder intended to combine the advantages of lightness with those of strength and economy of labor and material in manufacture.

The drawing is a perspective view of a step-ladder embodying my improvements, a portion of one of the stiles being removed to exhibit some of the details of construction.

Each stile, A A', is grooved longitudinally on its outside to receive two cleats, B B'. Each stile is also grooved transversely on its inner side to receive the steps C. Each of the steps is supported from below by a batten, D, whose upper edge enters a shallow groove in the under side of the step, and whose ends, passing through mortises in the stiles A A', are se-

cured between the cleats B B' by pins or screws E.

The battens D perform the fourfold service of supporting the steps, of preserving the rigidity of the frame-work, of tying the stiles immovably the one to the other, and of fixing the cleats B B'.

The cleats B B' serve to stiffen the stiles and to present a point of attachment for the battens D. The legs F F', being hinged, *f*, to the cleats B, receive a bracing support from both the cleats and the stiles, both in the folded and unfolded positions.

I claim, as a new article of manufacture—

The arrangement of stiles A A', cleats B B', steps C, battens D, and pins E, as described and represented.

In testimony of which invention I hereunto set my hand.

JESSE BOOHER.

Witnesses:

GEO. H. KNIGHT,  
GEO. S. BALL.