

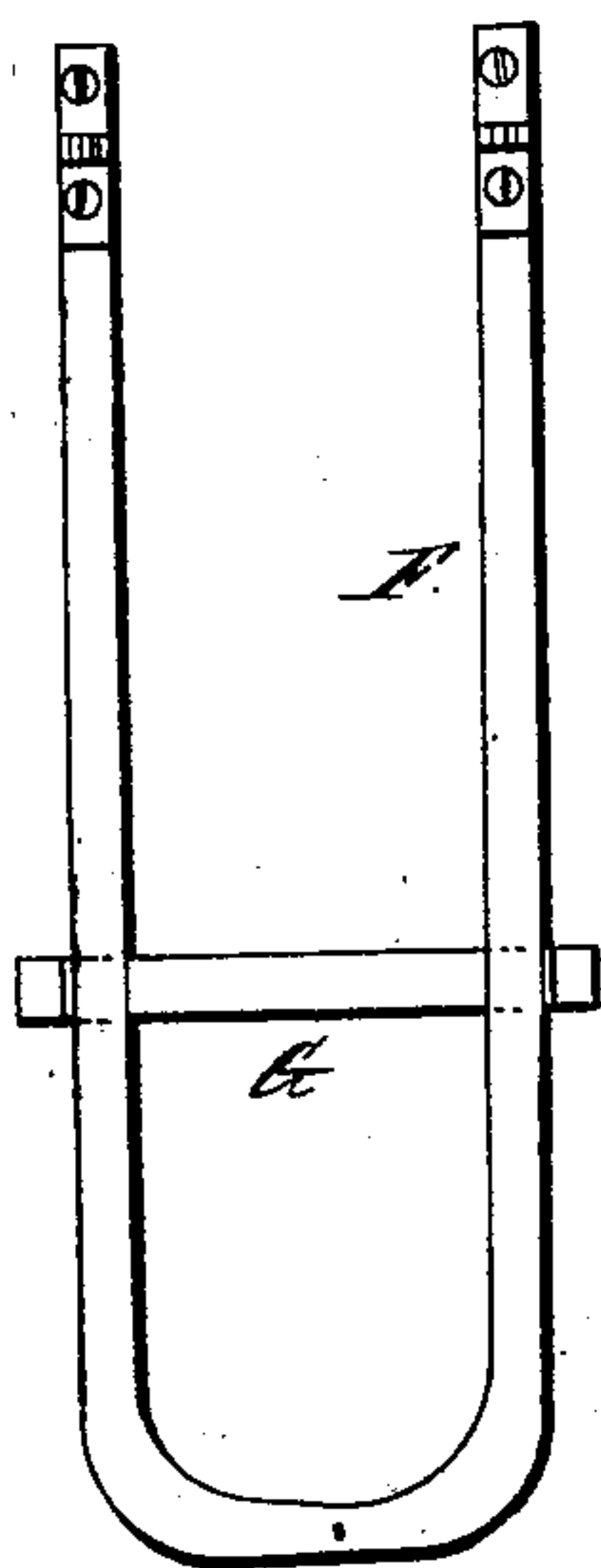
*D. B. Hedden.*

*Step Ladder.*

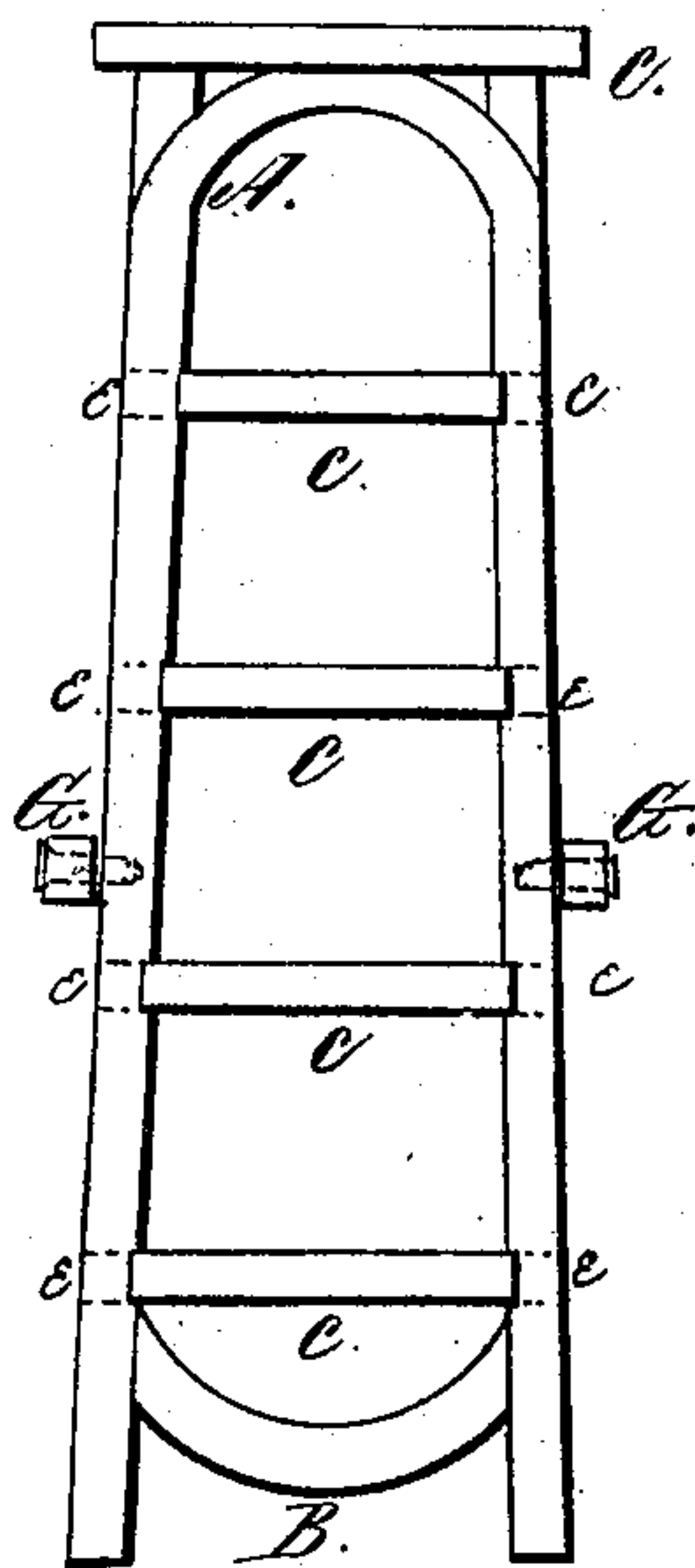
*N<sup>o</sup> 67,193.*

*Patented Jul. 30, 1867.*

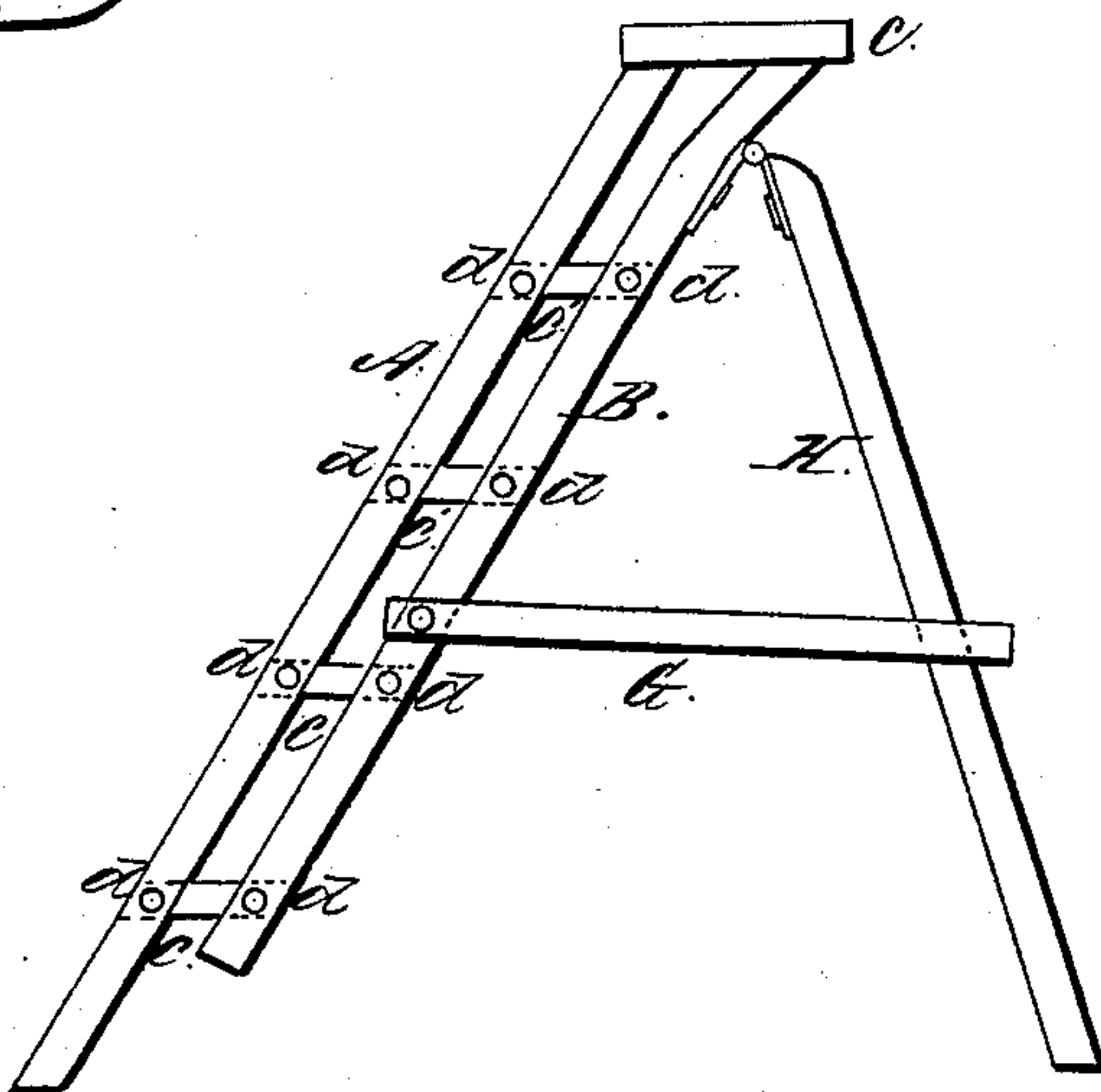
*Fig. 3.*



*Fig. 2.*



*Fig. 1.*



*Witnesses:*  
*Horace Harris*  
*L. J. Baker*

*Inventor:*  
*D. B. Hedden*

# United States Patent Office.

DAVID B. HEDDEN, OF NEWARK, NEW JERSEY.

*Letters Patent No. 67,193, dated July 30, 1867.*

## IMPROVED STEP-LADDER.

*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, DAVID B. HEDDEN, of Newark, in the county of Essex, and State of New Jersey, have invented an improvement in the Construction of Step-Ladders; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention consists in making a step-ladder with the side strips A B, to which the steps C are attached by means of the dowel *d* cut on the end of the steps and running through or into the strips. The ends of the steps also rest in the gains E in the strips, also making the brace F and stay G all of bent stuff.

Figure 1 is a side view, and shows the edge of the strips A B, end of the steps C, with the dowel *d* running through the strips, the brace F, and the stay G of the brace.

Figure 2 is a front view, which shows the order of bending the strips. The front strip A is bent at the top, and the back strip B at the bottom. The ends G G of the stay are seen on the sides of the ladder.

Figure 3 is a view of the brace, with a section of the stay passing behind it.

It is not necessary to follow positively the order of the strips here presented only so they are made of bent stuff. The front may be bent at the bottom, and the back at the top, &c.

The advantages gained by this invention are increased strength and cheapness. In no way that I can perceive may ladders be so cheaply made, while the bend in the strips gives the most substantial bracing without the extra braces required in other ladders made with strips. There is also no chance for the sides to spread apart and let out the steps. When the ladder is folded up the stay drops down below the end of the brace and is out of the way.

What I claim as my invention, and desire to secure by Letters Patent, are—

The strips A B, brace F, and stay G, made of bent stuff, substantially in the order and for the purpose named.

D. B. HEDDEN.

Witnesses:

HORACE HARRIS,  
L. J. BAKER.