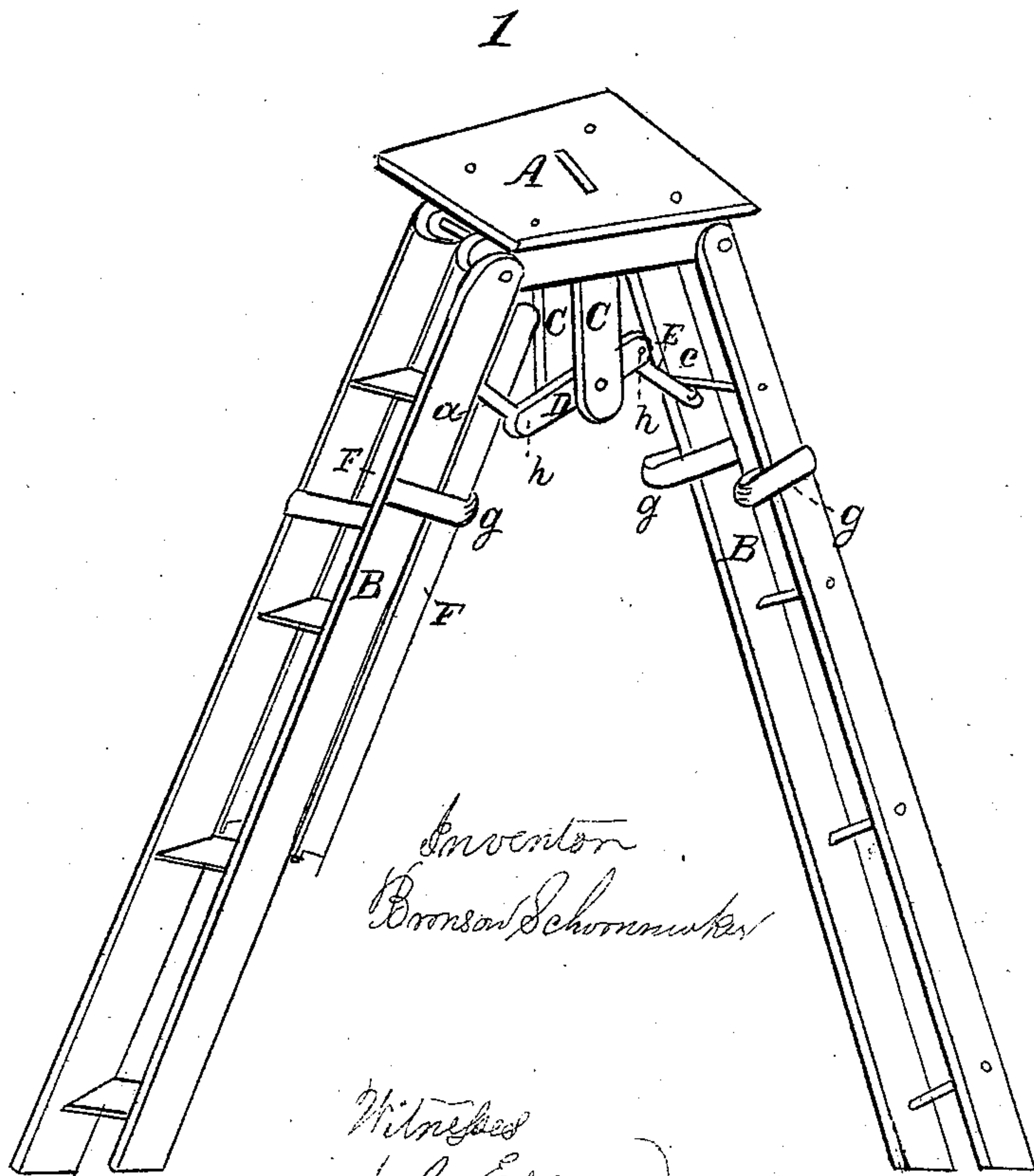
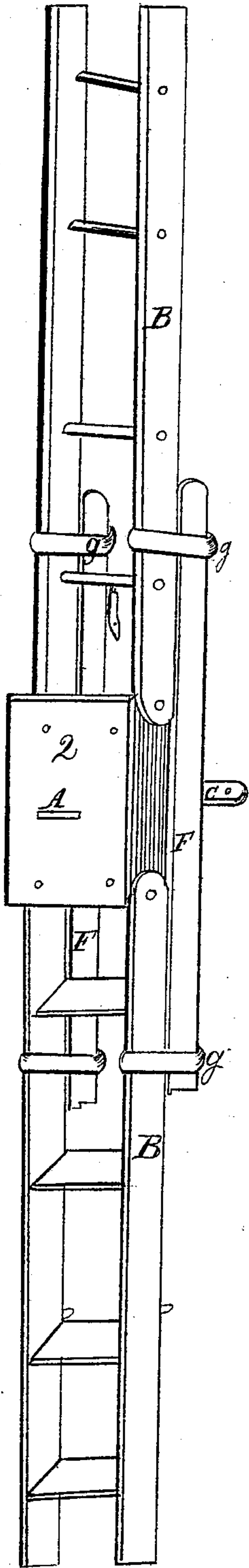


# B. Schoonmaker, Ladder.

No. 92755.

Patented July 20. 1869



Inventor  
Benson Schoonmaker

Witnesses  
J. C. Eddy  
J. H. Pauling

# United States Patent Office.

BRONSON SCHOONMAKER, OF PLAINWELL, MICHIGAN.

Letters Patent No. 92,755, dated July 20, 1869.

## IMPROVED 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, BRONSON SCHOONMAKER, of the village of Plainwell, in the county of Allegan, and State of Michigan, have invented a new and useful Improvement in Fruit, Step, and Long Ladders combined; 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, in which—

Figure 1 is a perspective view.

Figure 2, a longitudinal elevation.

This device is an improvement in that class of ladders which may be used as step-ladders for house or other purposes, and are capable of ready extension, so as to make light, simple, and strong long ladders.

The invention consists in a new, convenient, and effective combination of the several parts composing this ladder.

The following is a more particular description of the construction and method of operating this device.

A is a platform, of suitable size, in which there is an opening large enough for a step, which platform rests upon two cross-pieces, to the ends of which are pivoted two ladders B B, constructed in the usual manner, in one of which there should be steps, and in the other, "rounds," or round bars.

Beneath the platform A are two short standards C C, projecting downward, each secured by its top at right angles with and to the centre of one of said cross-bars.

To the bottom of these standards C C, a double-acting lever, D, is pivoted upon its centre.

To each end of this lever D, arms *e e* are pivoted, at one of their ends, by iron pins *h h*, which may be readily removed, and at their other ends are attached

respectively to the upper step in the ladder, and the upper round in the other ladder.

F F are two brace-bars, each of which, when this device is used for a step-ladder, is held against the under side of the side-piece of one of the ladders by an iron band, *g*, which clasps it near its top end, and allows it to move freely. The bottom of each brace-bar rests against a pin in said side-pieces, which prevents it from falling to the ground.

Similar iron bands *g g* are fastened to the side-pieces of the other ladder in a similar position.

To use this device as a step-ladder, the two ladders are placed standing, with the platform in a horizontal position, and the arms *e e* are pinned to the lever *d*, which holds it securely.

To make a long ladder of it, it is only necessary to withdraw the pins *h h*, when the arms *e e* will hang loosely from the step and round to which they are severally attached, and then extend the ladders at the bottom until they are in a line with each other, when the brace-bars F F may be pushed along in the bands *g g* in one ladder, until they enter the bands *g g* in the other ladder.

These bars being thus secured at each end by the bands *g g*, will brace the two ladders firmly, and make of them one long ladder.

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

The combination of the ladders B B, provided with brace-bars F F and bands *g g*, with the platform A, provided with standards C C, lever D, and arms *e e*, arranged and operating as above specified.

BRONSON SCHOONMAKER.

Witnesses:

J. C. ESTES,

W. H. BURLING.