

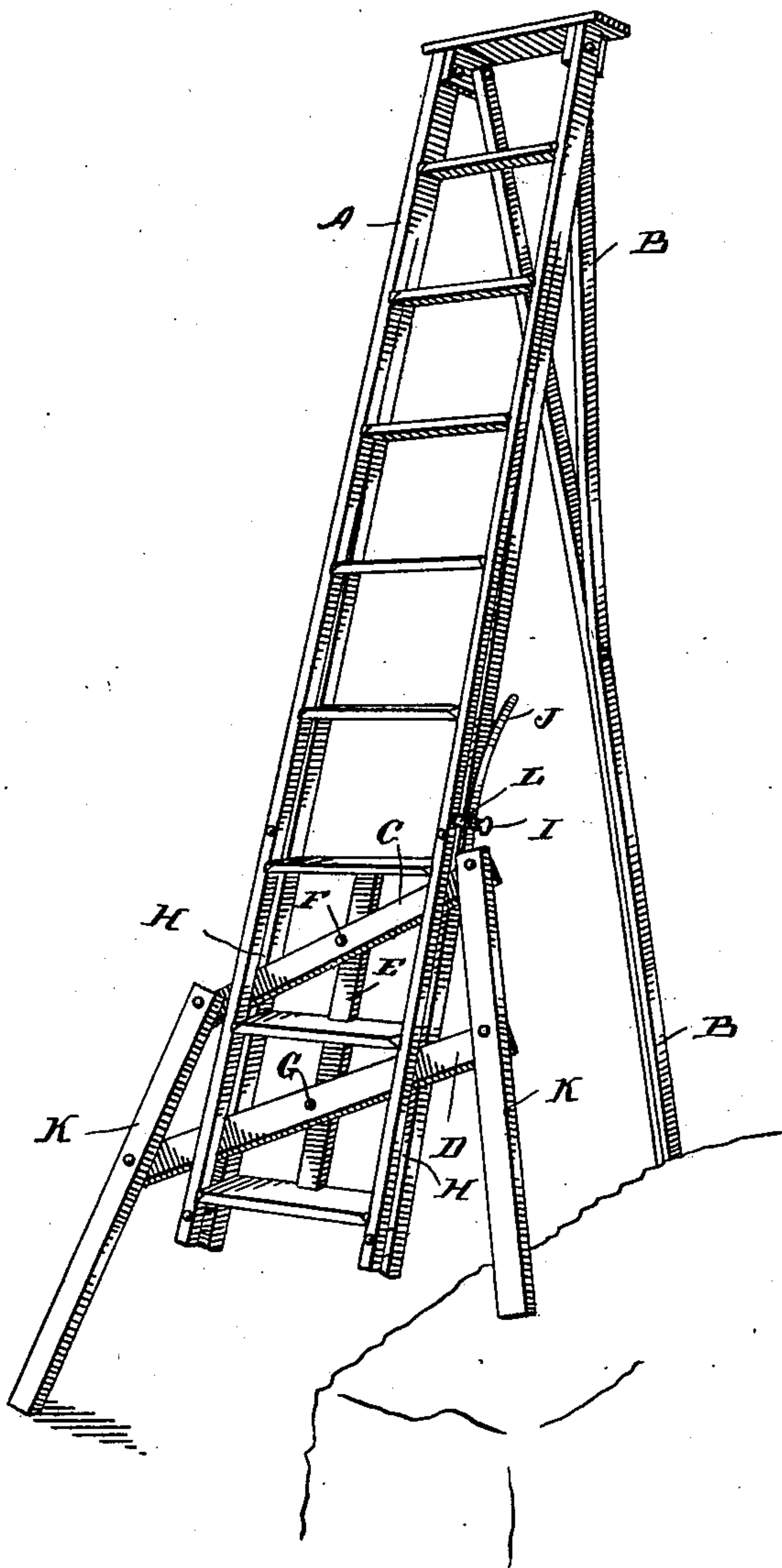
No. 666,526.

Patented Jan. 22, 1901.

J. J. HOWARD.  
LADDER.

(Application filed Sept. 25, 1900.)

(No Model.)



Witnesses  
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# UNITED STATES PATENT OFFICE.

JOHN J. HOWARD, OF GRASS VALLEY, CALIFORNIA.

## LADDER.

SPECIFICATION forming part of Letters Patent No. 666,526, dated January 22, 1901.

Application filed September 25, 1900. Serial No. 31,077. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN J. HOWARD, of Grass Valley, county of Nevada, State of California, have invented certain new and  
5 useful Improvements in Ladders; and I do hereby declare the following to be a full and clear description thereof.

My invention relates to ladders, and has for its object to construct a ladder which may  
10 be safely and automatically placed in position upon a hillside or other inclined surface.

The drawing represents a perspective view of my invention.

In constructing my ladder I use any preferred form of ladder, herein shown as the  
15 ordinary step-ladder A, having the rear braces B. Pivoted to said ladder are two transverse bars C D, (here shown as pivoted on the upright rear bar E,) firmly secured to the rear  
20 sides of the ladder, the bars C and D being centrally pivoted at the points F and G and having the respective ends extending out beyond the sides or risers of the ladder. Preferably these bars C and D extend through  
25 slots H, formed in the sides of the ladder and acting as guides for the bars.

K K are standards pivotally connected to the outer ends of the bars C and D and so positioned that they slant from their lower  
30 ends inwardly toward the sides of the ladder, the lower ends of the standards K K being considerably below the foot of the ladder.

J is a resilient strip connected to one of the standards and passing through a suitable retaining-eye L and affording sufficient friction to maintain the standard, together with  
35 the pivoted bars C and D, in any position.

In using the ladder it will be evident that the standards K K may be adjusted so as to have the foot of one standard on a plane below that of the foot of the other standard  
40 without causing the ladder to depart from the upright position. Furthermore, it will be apparent when placing the ladder upon a hillside, slanting from one side to the other of  
45 the ladder, that the standards will automatically adjust themselves on the ground.

Having thus described my invention, what I claim as new, and desire to secure by Letters  
50 Patent, is—

A step-ladder comprising a ladder and a rear brace pivoted at the top, the ladder having transverse parallel bars pivoted thereto and a longitudinal standard at each end of the parallel bars, each standard being pivoted  
55 to the ends of both of said bars, and means for securing the standards in any adjusted position.

In testimony whereof I have affixed my signature in the presence of two witnesses.

JOHN J. HOWARD.

Witnesses:

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