

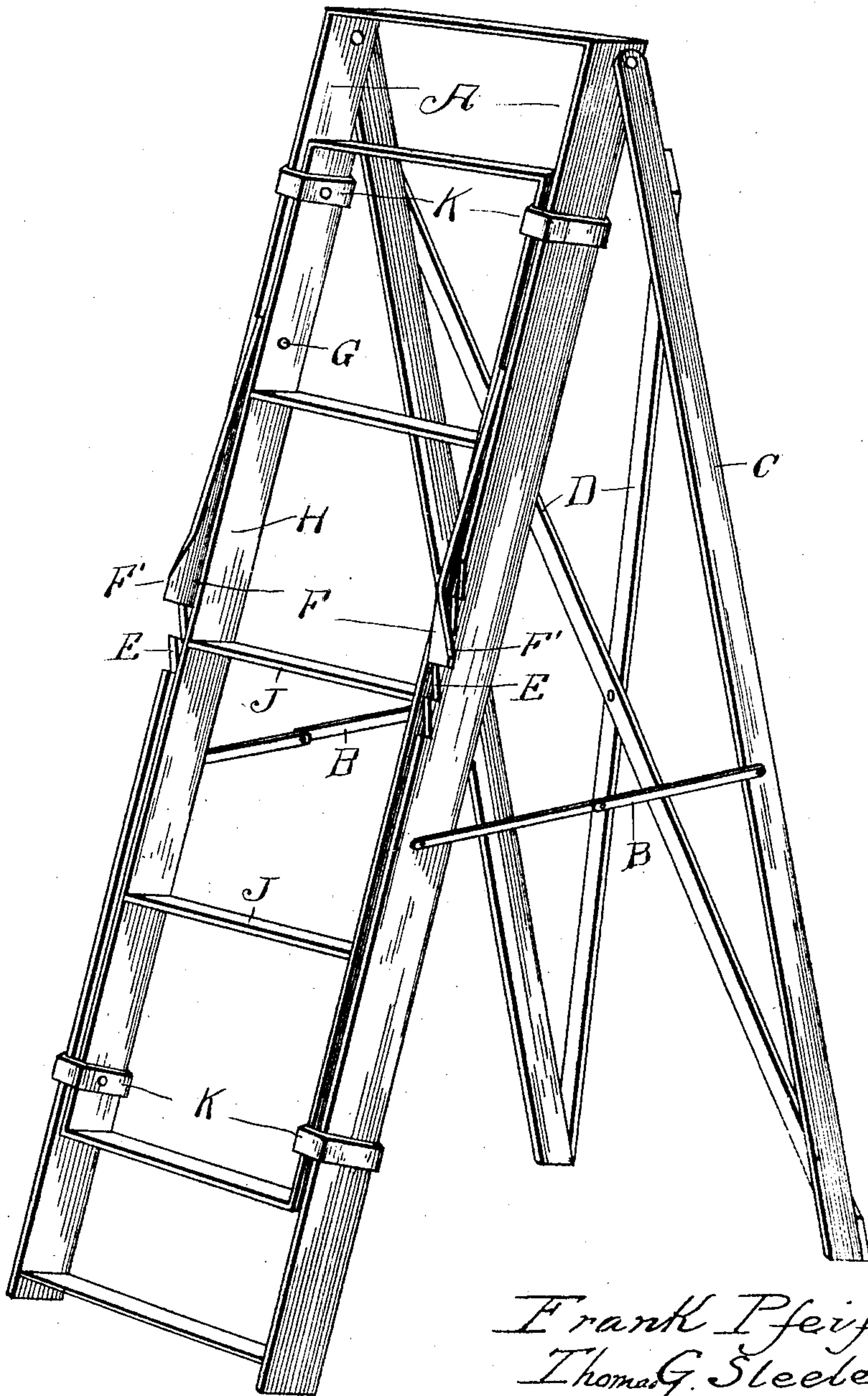
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PATENTED NOV. 7, 1905.

F. PFEIFER & T. G. STEELE.

STEP LADDER.

APPLICATION FILED MAR. 23, 1905.



Frank Pfeifer and  
Thomas G. Steele.

Inventors.

Witnesses

Witnesses:  
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334

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# UNITED STATES PATENT OFFICE.

FRANK PFEIFER AND THOMAS G. STEELE, OF CHIPPEWA FALLS,  
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## STEP-LADDER.

No. 803,783.

Specification of Letters Patent.

Patented Nov. 7, 1905.

Application filed March 23, 1905. Serial No. 251,551.

*To all whom it may concern:*

Be it known that we, FRANK PFEIFER and THOMAS G. STEELE, citizens of the United States, residing at Chippewa Falls, in the county of Chippewa and State of Wisconsin, have invented certain new and useful Improvements in Step-Ladders, of which the following is a specification.

Our invention relates to improvements in step-ladders; and one object is the provision of a step-ladder which will be particularly desirable and convenient for use by paper-hangers in that the ladder may be instantly adjusted to provide the platform or support at the exact height desired.

Another object of our invention is the provision of a step-ladder having an adjustable section or member and which ladder will be of the simplest, cheapest, and most durable construction and prove thoroughly efficient and practical in every particular.

In the drawing we have shown a perspective view of an adjustable step-ladder constructed in accordance with and embodying our invention, and we would state that when used by paper-hangers two of such ladders are usually employed to support the platform.

Our ladder comprises the rectangular open section or member A, to which is connected, by the pivoted links B, the support C, said support being braced by the inclined cross-bars D, and the parallel vertical bars of the member or section A are formed with a rack or series of teeth E, which are engaged by the pair of pivoted dogs F, pivoted at G to the inner adjustable section or member H, provided with a series of steps J, and the step-section is connected to the rigid open section by means of the upper and lower pairs of bands or loops K, thus permitting the adjustable section to be moved with ease and

adjusted at any desired height by means of the dog-and-rack connection. The pivoted dogs are provided with extensions F', which form handles to permit the pawls or dogs to be engaged or disengaged with the desired teeth of the rack.

It is evident that we provide a ladder which can be adjusted with ease to suit the requirements and which, while comparatively light in weight, will possess great strength and durability. It will also be noted that the pawls or dogs are concealed and protected between the movable and stationary sections of the ladder, and that only the handle portion is exposed, and that the general construction of our ladder insures a thoroughly practical and efficient construction.

We claim—

1. A step-ladder consisting of an open rectangular section, a hinged prop or support for said section, a movable section fitted within the rectangular section and having a series of steps, and means for adjustably securing the movable section within the rectangular section.

2. A step-ladder, consisting of an open rectangular stationary section having a rack formed on its vertical bars, a sliding and adjustable step-ladder section fitting within the stationary section, and pivoted dogs carried by the sliding section to engage the racks and secure said sliding section at the desired adjustment.

In testimony whereof we affix our signatures in presence of two witnesses.

FRANK PFEIFER.  
THOMAS G. STEELE.

Witnesses:

J. A. ANDERSON,  
MARY TALAND.