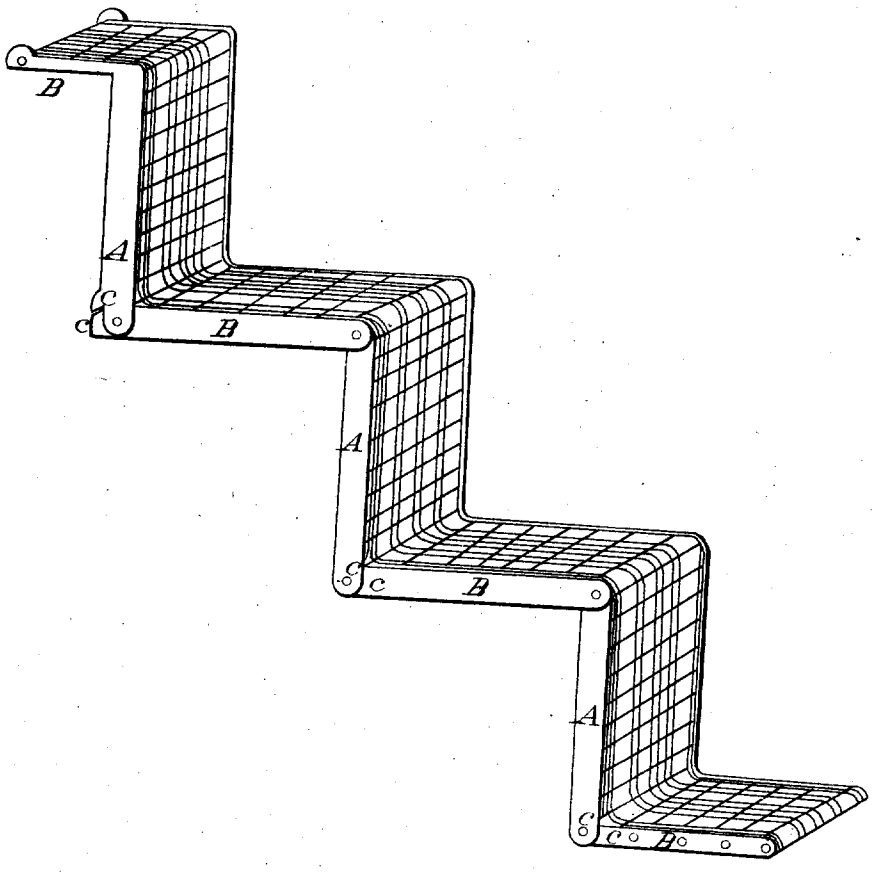
7929X

C. M. KING.

Carriage-Step.

Patented Dec. 31, 1833.



AM. PHOTO-LITHO. CO. N. Y. (OSBORNE'S PROCESS.)

7929X

Dec 31. 1839

Charles M King & Amos C. King

Letters Patent

To all to whom these Letters Patent shall come Be it known that Charles M King of Macon in the County of Bibb and State of Georgia have invented a new and useful improvement in the form of Crank Steps and that the following is a full and exact description of the Construction and operation of the said improvement as invented & improved by me.

My improvement in the form of Crank Steps is intended and Calculated to add to their strength and durability. This is effected by giving the grain of wood the greatest strength & durability. When a step of wood form of is fitted for use a single projection or tenon at each end of each piece is made sufficient to keep the several parts in their proper position and to bear the weight of the person using it. And as the upper foot is frequently very near the center of the joint over the weight on the step frequently may Cause the projecting ends to be broken off which renders the steps useless. In addition to the projections or tenons at the back ends of the horizontal side pieces of the upper steps which rest against the back edges of the perpendicular pieces into which they are attached, I propose to make strong projections from the back edges of the perpendicular pieces to receive the upper ends of the projections on the horizontal pieces which will render it impossible for the steps to give way endways both tenons should break off at the same time. And secondly I make these tenons double the strength of the joint without adding any thing to the labor of making it, as is usually done. The dovetails and tenon joints are strengthened in the same way only the second tenons of these joints are on the horizontal pieces instead of the perpendicular pieces which is shown by my invention and for which I make claim. I also claim the projections or tenons on the edges of the several pieces of the steps that being the only thing distinguishing them from those in common use. Crank steps made & used according to

Witnessed before me this 31st Dec 1839

Chas M King

Wm. Thornton