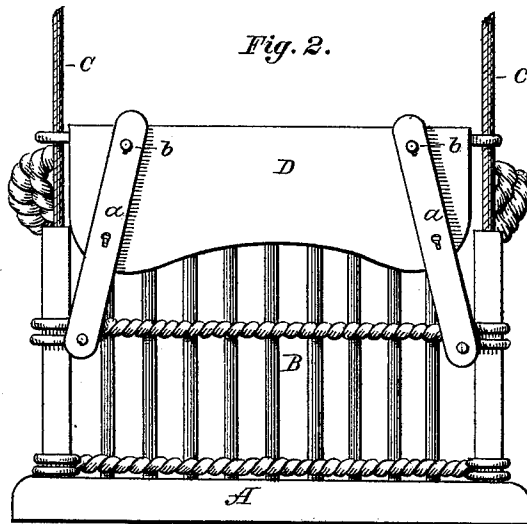
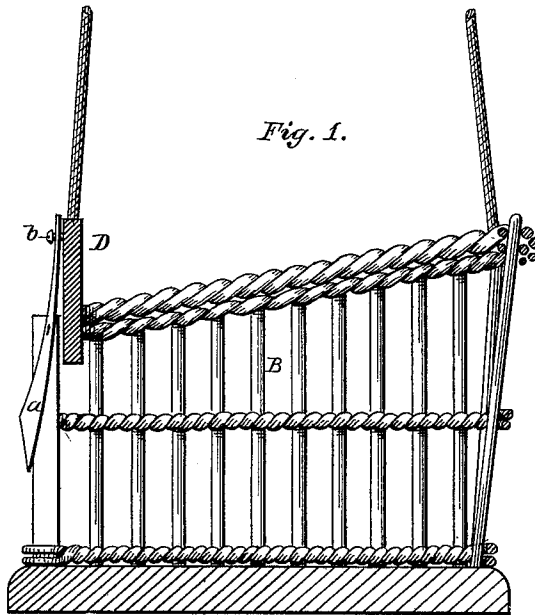


S. MACKBEE.
Swing.

No. 213,914.

Patented April 1, 1879.



Attest:
P. F. Barnes,
W. A. Redmond

Inventor:
Samuel Mackbee,
by M. H. W. Howard,
Attorney.

UNITED STATES PATENT OFFICE.

SAMUEL MACKBEE, OF BALTIMORE, MARYLAND, ASSIGNOR OF ONE-THIRD HIS RIGHT TO ISAIAH BROWN, OF SAME PLACE.

IMPROVEMENT IN SWINGS.

Specification forming part of Letters Patent No. **213,914**, dated April 1, 1879; application filed January 21, 1879.

To all whom it may concern:

Be it known that I, SAMUEL MACKBEE, of the city of Baltimore and State of Maryland, have invented certain Improvements in Swings, of which the following is a specification; and I do hereby declare that in the same is contained a full, clear, and exact description of my said invention, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention relates to certain improvements in the chair; and consists in the manner of applying and securing, when in place, a protection-bar, designed to prevent the occupant of the chair from falling therefrom, as will hereinafter fully appear.

In the description of the said invention which follows, reference is made to the accompanying drawings, forming a part hereof, and in which—

Figure 1 is a sectional side view of the improved chair, and Fig. 2 an exterior front view of the same.

Similar letters of reference indicate similar parts in both views.

A represents the seat of the chair, to which is secured the upper part, B, which is of wicker-work. The seat may also be of wicker-work; but it is preferably made of some rigid material, so as to relieve the upper part, B, of the strain to which it would be subjected in case the seat should yield to the weight of the occupant.

The chair is suspended by means of four ropes, C, from hooks or rings fastened to any convenient stationary object.

D is the protector-bar, consisting of a strip provided with rings, through which the forward ropes pass. The protection-bar is elevated to admit the occupant, and it is afterward lowered and secured in place by means of straps *a* and pins *b*, as shown, or by any other suitable devices. The straps have the advantage of allowing the bar to be yieldingly held in place; and by their having a series of holes, all of which are suitable for connecting to the pins *b*, the said straps admit of the bar being elevated or depressed to suit the size of the occupant.

Having thus described my invention, what I claim as new, and wish to secure by Letters Patent of the United States, is—

The chair-body B, swing-ropes C, and straps *a*, secured to the chair-body and provided with button-holes, combined with the protection-bar D, strung upon the forward swing-ropes and provided with pins *b*, substantially as set forth.

In testimony whereof I have hereunto subscribed my name this 18th day of January, A. D. 1879.

SAMUEL MACKBEE.

Witnesses:

WM. T. HOWARD,
THOS. MURDOCH.