

W. H. MOCKABEE.
FOLDING SWING.
APPLICATION FILED FEB. 1, 1911.

1,006,670.

Patented Oct. 24, 1911.

2 SHEETS—SHEET 1.

Fig. 1.

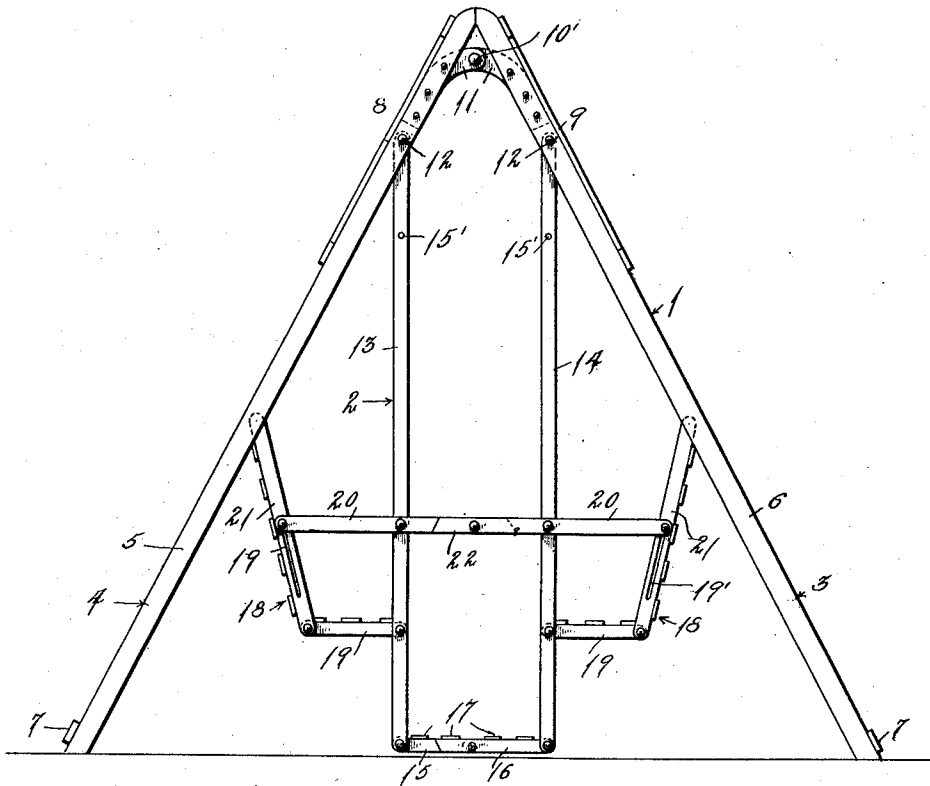
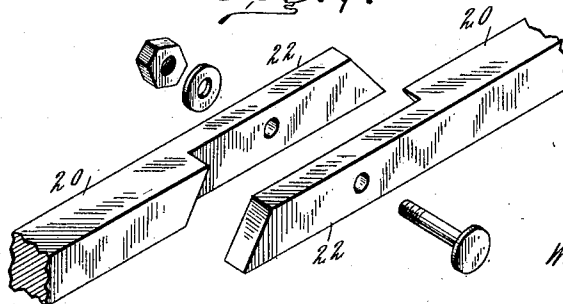


Fig. 4.



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2 SHEETS-SHEET 2.

Fig. 5.

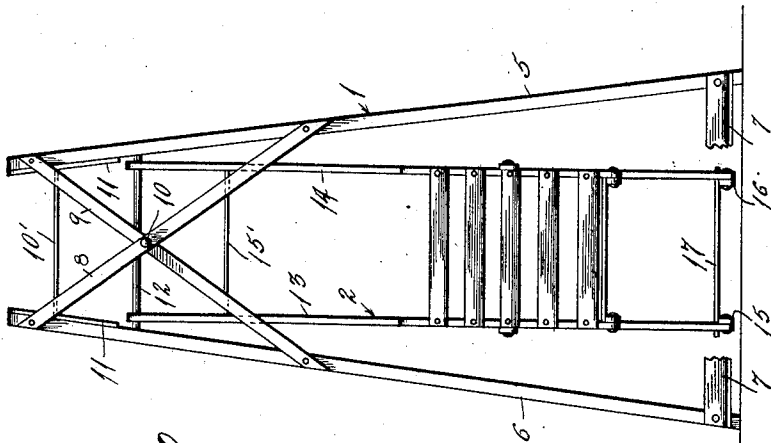


Fig. 3.

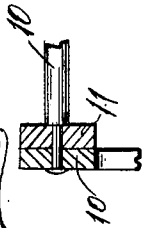
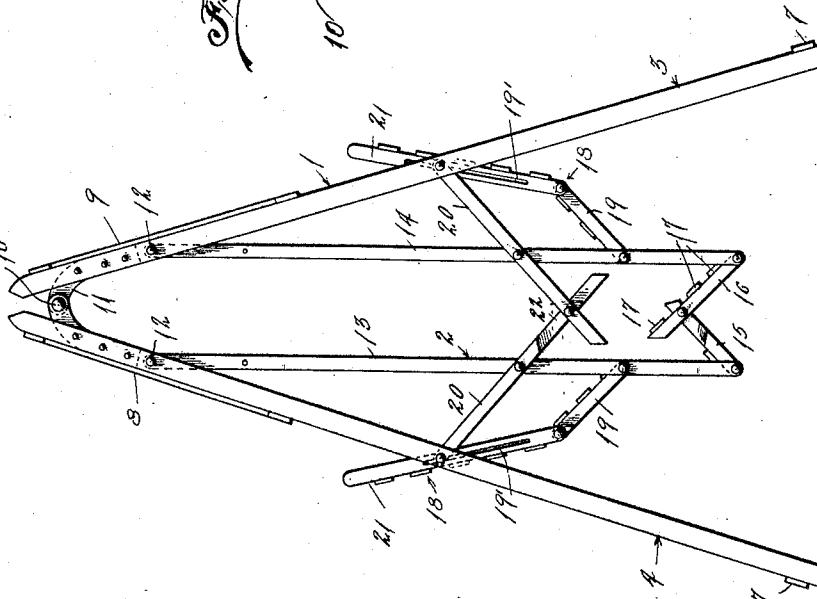


Fig. 2.



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UNITED STATES PATENT OFFICE.

WILLIAM H. MOCKABEE, OF WASHINGTON, DISTRICT OF COLUMBIA.

FOLDING SWING.

1,006,670.

Specification of Letters Patent.

Patented Oct. 24, 1911.

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To all whom it may concern:

Be it known that I, WILLIAM H. MOCKABEE, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Folding Swings; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to new and useful improvements in lawn swings, and more particularly to lawn swings for children's use, and the object of my invention is to provide a swing of the character described, adapted to be completely closed and folded in one operation.

A further object of the invention is to provide guards upon the swing proper to prevent persons using the same from falling out.

A still further object is to construct a swing which will be as light as possible and at the same time strong and durable.

With these and other objects in view, my invention will be hereinafter fully shown and described and then specifically pointed out in the appended claims.

In the accompanying drawings which show a preferred embodiment of my invention, and in which like reference numerals designate corresponding parts throughout, Figure 1 is a side elevation of the swing in operative position. Fig. 2 is a side elevation showing the swing in a partially closed position. Fig. 3 is an end elevation of the same. Fig. 4 is a detail perspective of one of the hinge joints. Fig. 5 is a detail sectional view showing the hinged securing means between the plates 11 and the brace rod 10'.

Referring more specifically to these drawings the swing will be seen to consist of two parts, the frame which I will designate as a whole as 1, and the swing proper which as a whole is designated by the numeral 2.

The frame in itself consists of the two members designated as a whole as 3 and 4 pivotally secured to each other near one end to form an inverted V-shaped supporting frame. As these members are identical in construction a description of one will serve for both. Each member consists of two converging legs 5 and 6, secured near their bottom by a cross brace 7 and near their top

by the diagonally extending cross braces 8 and 9, said latter braces being mortised at their crossing points 10 and secured to each other at said points by a bolt or other suitable means thereby giving additional rigidity to the frame. Each of the supporting legs 5 and 6 is provided near its upper end with a metal plate 11, the free ends of said plates being extended inwardly and pivotally secured to each other to form hinges for the upper ends of the frame proper the upper ends of the legs 5 and 6 being mitered to form abutting bearing faces. The securing means consists of a rod 10' having its end portions cut away to form annular shoulders, one of these cut away end portions being passed through the apertures in the overlapping ends of the metal plates upon one side of the frames and secured in place by upsetting its end, the other end of the rod 10' being passed through apertures in the plates upon the other side of the frames and secured in a like manner. It will thus be seen that the rod 10' not only serves to pivotally connect the members 3 and 4 but also acts as a brace between the members 5 and 6. The legs 5 and 6 of the supporting members 3 and 4 are each provided with an aperture adjacent the lower end of the plates 11 and rods 12 are inserted therethrough and secured therein to form additional braces for the members 3 and 4.

Spaced apart bars 13 and 14 are pivotally mounted adjacent their upper end upon each of the brace rods 12, the braces 15' serve to maintain said bars in their spaced relation. These bars form the suspension means of the swing proper 2. Pivotal secured by one end to the lower ends of the bars 13 and 14 are the base members 15 and 16. The free ends of the base members 15 are mortised and mitered and pivotally secured together to form a hinged joint directly under the hinge of the members 11. The free ends of the base members 16 are similarly hinged together, both of these hinges being adapted to swing upwardly. A plurality of slats 17 are secured upon the upper faces of the base members 15 and 16 to form a platform, said slats also serving to maintain the lower ends of the bars 13 and 14 in their spaced apart position.

The bars 13 and 14 carry seats 18 each consisting of a base 19 having its forward end pivotally secured between the bars 13 and 14, arms 20 also pivotally secured to said

bars, and backs 21 having their lower ends pivotally secured to the free ends of the seat members 19. The side members of the backs are provided with the slots 19' by means of which the rear ends of the arms 20 are slidably secured to the side members of the backs 21. The forward ends of the arms 20 of the oppositely disposed seats 21 are extended beyond the bars 13 and 14 and pivotally secured to form hinged joints 22 similar in construction to the hinged joints in the members 15 and 16 but adapted to swing downwardly. It will thus be seen that these extended arms 20 aid the members 15 and 16 in keeping the seats 18 in their spaced apart relation, and that they also serve as guards to prevent the persons using the swing from falling from the same.

In operation the swing is set up in the manner shown in Fig. 1. When it is to be taken down the hinged joints in the base members 15 and 16 and the arms 22 are broken and the supporting members 3 and 4 are moved toward each other. The moving together of these members upon the bar 10 as a hinge acts through the medium of the bars 13 and 14 upon the base members 15 and 16, the arms 20 and the chairs 18 whereby all parts of the swing are folded together at one and the same time.

It will be readily understood from the above that my swing as so constructed is simple and cheap in its manufacture and at the same time strong and durable.

What I claim is:—

1. A swing of the character described, comprising an inverted V-shaped supporting

frame hinged at its upper end, a double swing supported by said frame, hinged guards connecting said swings, and means for folding said frame swings and guards by one operation.

2. A swing of the character described, comprising an inverted V-shaped supporting frame hinged together at its upper end, and a double swing supported by said frame, said swing consisting of supporting bars, a hinged base carried by said bars, oppositely disposed seats pivotally secured to said bars, the arms upon either side of said seats being extended and overlapping each other, said overlapping portion being secured together by hinged joints.

3. A swing of the character described, comprising an inverted V-shaped supporting frame hinged together at its upper end, a double swing supported by said frame, said swing consisting of supporting bars, a hinged base carried by said bars, oppositely disposed seats also carried by said bars, and guard bars connecting said seats with the supporting bars and connecting said supporting bars, said guard bars also being hinged, said parts being so arranged that the folding of the supporting frame will cause the folding of said base, seats and guard bars.

In testimony whereof, I affix my signature, in presence of two witnesses.

WILLIAM H. MOCKABEE.

Witnesses:

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