

(No Model.)

S. ANDREWS.
SWING.

No. 603,311.

Patented May 3, 1898.

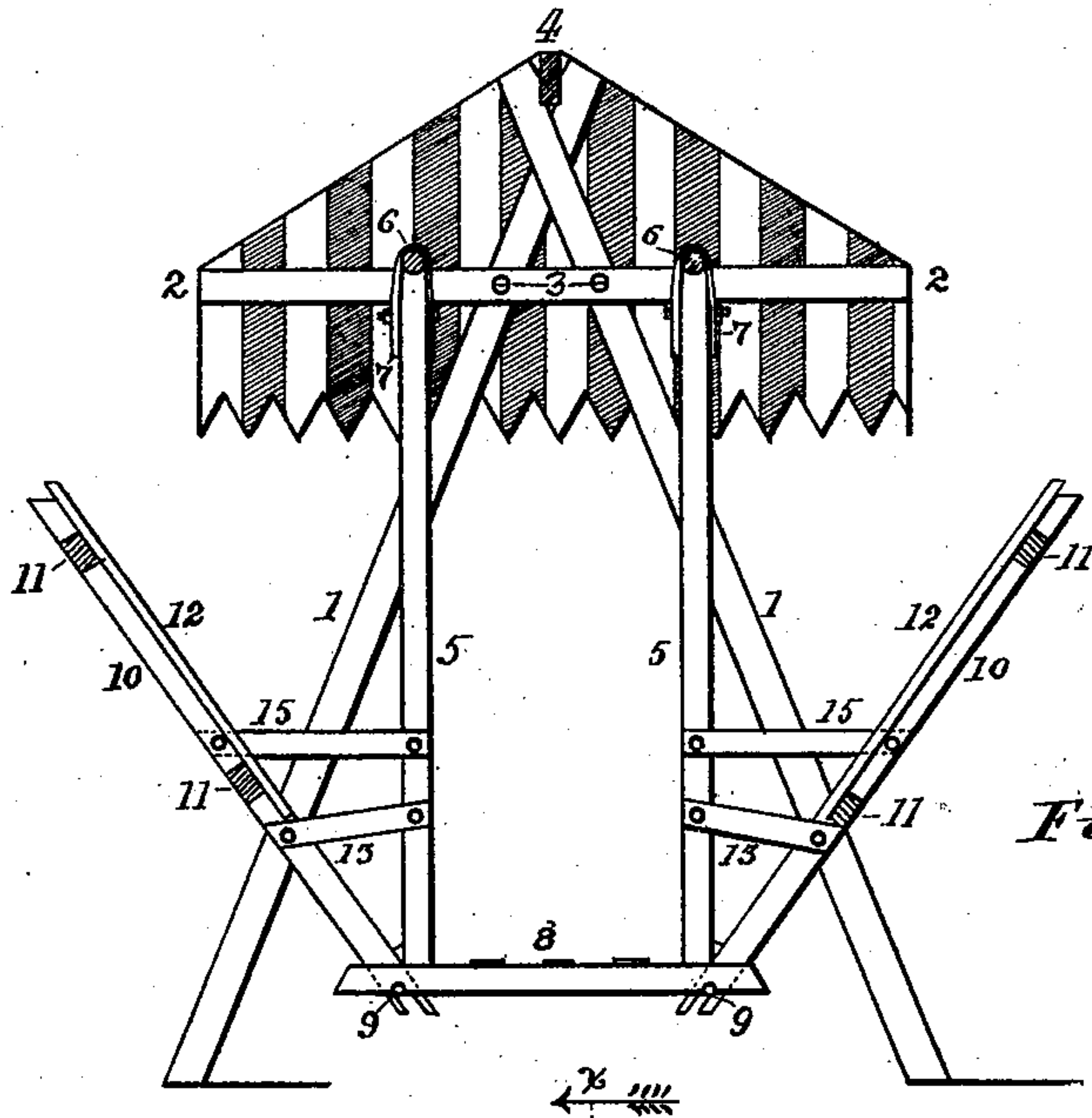


Fig. 1.

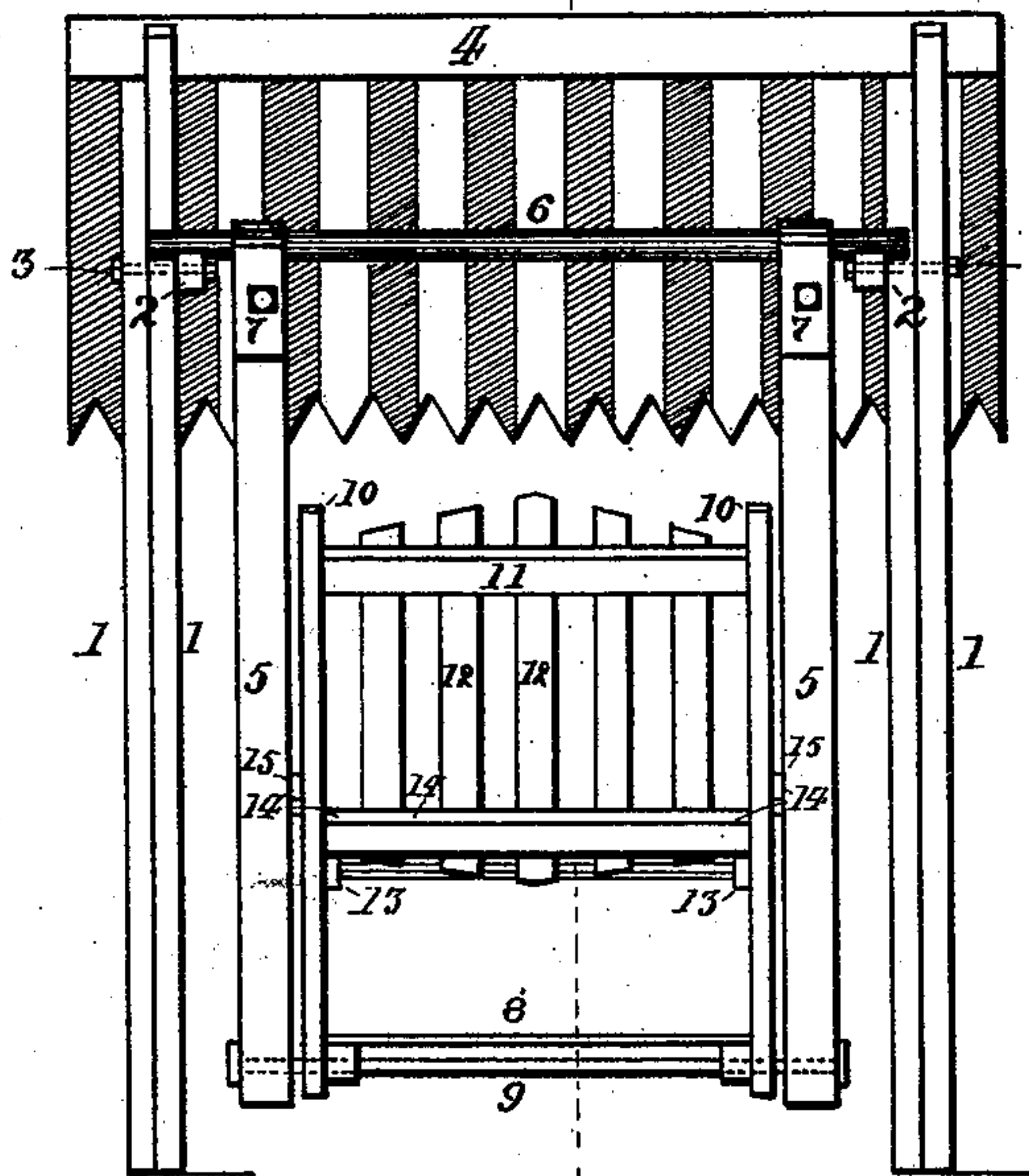


Fig. 2.

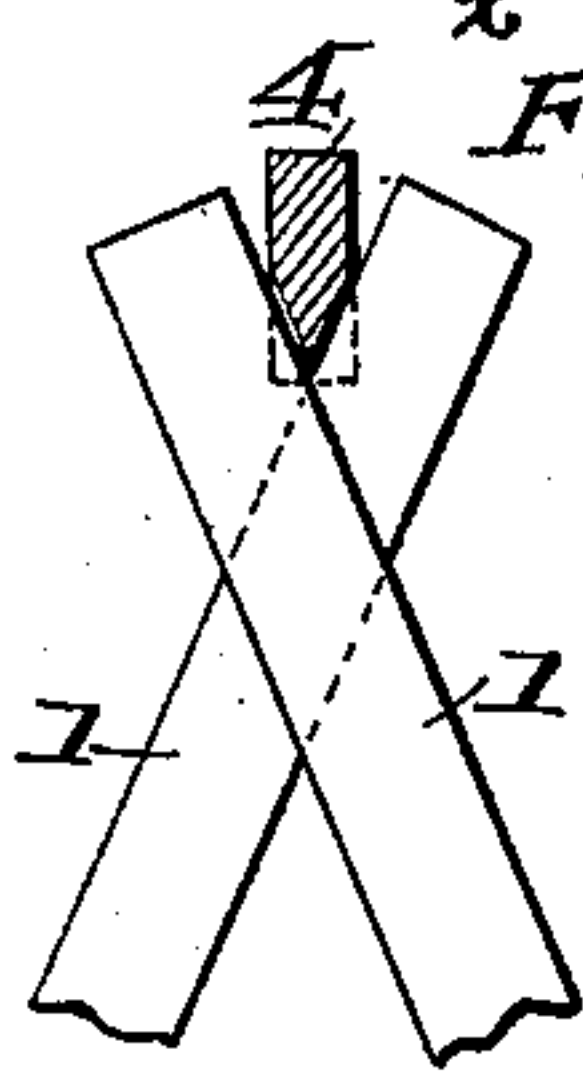
Fig. 3.

Witnesses:

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Inventor:

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by Humphrey Humphrey
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UNITED STATES PATENT OFFICE.

SAMUEL ANDREWS, OF WADSWORTH, OHIO.

SWING.

SPECIFICATION forming part of Letters Patent No. 603,311, dated May 3, 1898.

Application filed March 17, 1897. Serial No. 627,985. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL ANDREWS, a citizen of the United States, residing at Wadsworth, in the county of Medina and State of Ohio, have invented a certain new and useful Improvement in Swings, of which the following is a specification.

My invention has relation to improvements in portable swings which embody a frame-support to sustain the pendants, wood pendants, and frame-and-slat seats and backs, and pertains to that class wherein two seats are oppositely disposed and which may be measurably folded for storing or transportation with but partial removal of fastening devices.

The object of my invention is to produce a swing of the class designated that shall be simple in construction; readily erected or folded, and in which the supporting-frame may constitute a canopy-support, and finally to simplify the construction of the hanger-pivots.

To the aforesaid objects my invention consists in the peculiar and novel construction, arrangement, and combination of parts hereinafter described, and then specifically pointed out in the claims, reference being had to the accompanying drawings, forming a part of this specification.

In the accompanying drawings, in which similar reference-numerals indicate like parts in the different views, Figure 1 is an interior side elevation of my improved swing in section at the line $x x$ of Fig. 2; Fig. 2, an end elevation of the same with the nearest side of the canopy removed, and Fig. 3 a view of the cross-bar to connect the pairs of uprights.

Referring to the drawings, 1 1 are light sticks; preferably about two by four inches in size, arranged in pairs, each pair crossed near one end, the longer ends spread apart, and across each pair a short distance below their point of intersection is fastened a cross-bar 2 of the same general dimensions, secured to the pieces 1 1 by bolts 3 3 or other equivalent devices to act as pivots. Across the tops of these pieces 1 1 in the fork formed by spreading the lower ends is a similar stick 4, which at its points of union with the sticks 1 1 is notched on each side to fit these sticks and

when in position serves to hold them apart and partially lock them together, the whole forming a firm and rigid frame.

The pendants 5 5 are preferably lighter sticks, arranged in pairs, each pair united at the top by round hard-wood rods 6 6, held by metallic straps 7, bolted or screwed to the sticks, and these rods rest in semicircular oppositely-disposed notches in the upper edge of the cross-bars 2 2.

To the lower ends of the pendants 5 5 is fastened a slat floor 8 by bolts 9, the whole forming a swing.

The back of each seat is composed of two side bars 10, united by cross-bars 11, on which are fastened slats 12, and the lower ends of the side bars 10 have deep longitudinal notches that slide onto and fit the bolts 9.

The seats consist of side bars 13, pivotally connected with the side bars 10, and pendants 5, on which are fastened slats 14, and above the side bars 13 are the arms 15, similarly attached to the bars 10 and pendants 5.

To fold, the canopy is removed, the seats and backs swung upward against the pendants 5, thus lifting the slotted ends of the bars 10 off the bolts 9, the rods 6 taken off over the ends of the bars 2, and the pendants and floor swung together, turning on the pivot-bolts 9, the stick 4 lifted from its rests, and the sticks 1 brought together at the base and then moved, one on the other, until the cross-bar 2 lies nearly parallel with them. The parts are thus released without removing bolts or screws, and can thus be measurably compactly packed for the purposes hereinbefore stated.

I claim as my invention—

1. An improved swing-frame, having two pairs of uprights and a cross-bar, each pair of uprights pivotally connected near one end to the cross-bar, each pair of uprights adapted to have their outer ends swing outward to cross their shorter ends, and a detachable bar adapted to rest in the fork of the shorter ends, and having notches to fit and engage said uprights substantially as shown and for the purpose specified.

2. The combination with a supporting-frame having two pairs of uprights and two

cross-bars; each pair of uprights pivotally connected near one end to one of said cross-bars, and adapted to have their ends swing outward and to cross above said cross-bars, and a detachable bar adapted to rest in said uprights above their point of crossing, and two pairs of oppositely-disposed pendants; each pair of pendants connected by a cross-rod adapted to rest on said cross-bars, substantially as shown and described.

3. The combination with two pairs of uprights, and two cross-bars, each pair of uprights pivotally connected near one end to one of said cross-bars, and adapted to have their loose ends swing outward, and a detachable bar adapted to rest in said uprights above the point of crossing, and two pairs of oppositely-disposed pendants, each pair of pendants connected by a cross-rod adapted to rest on said cross-bars; of a floor detachably connected with said pendants, and backs detachably connected with said floor, and seats and arms pivotally connected with said backs and

pendants, substantially as shown and described.

4. An improved swing-frame having two pairs of uprights each pair crossed near one end, a cross-bar to rest in said pairs above their points of intersection and horizontal bars pivotally attached to said uprights below their points of intersection to form with said cross-bar a support for a canopy-top substantially as shown and described.

5. In a swing-frame, the combination with the crossed uprights, the cross-beam resting in their crossed ends, and the horizontal bars pivotally connected with said uprights, and a canopy-top to rest on said cross-beam and horizontal bars substantially as shown and described.

In testimony that I claim the above I hereunto set my hand.

SAMUEL ANDREWS.

In presence of—

C. P. HUMPHREY,
C. E. HUMPHREY.