O. UNZICKER.
Swing

No. 213,150 Patented Mar. 11, 1879.

Fig: 2.

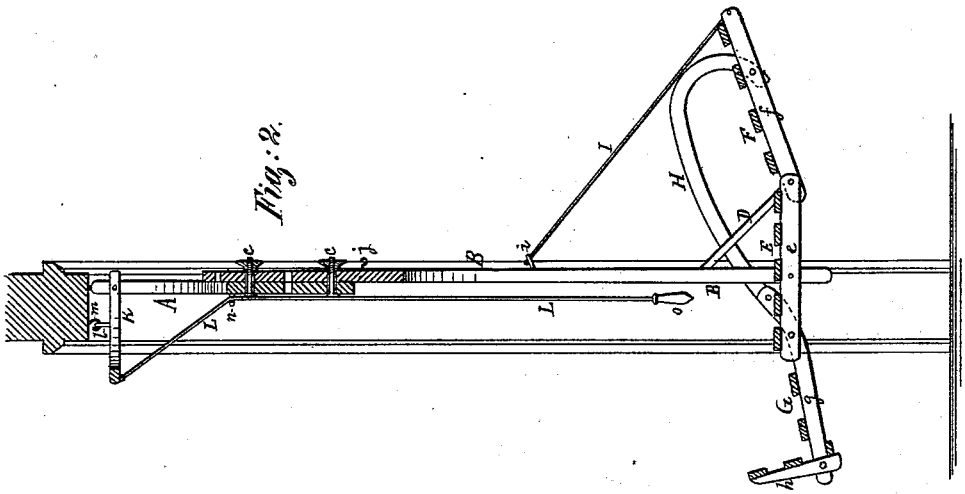
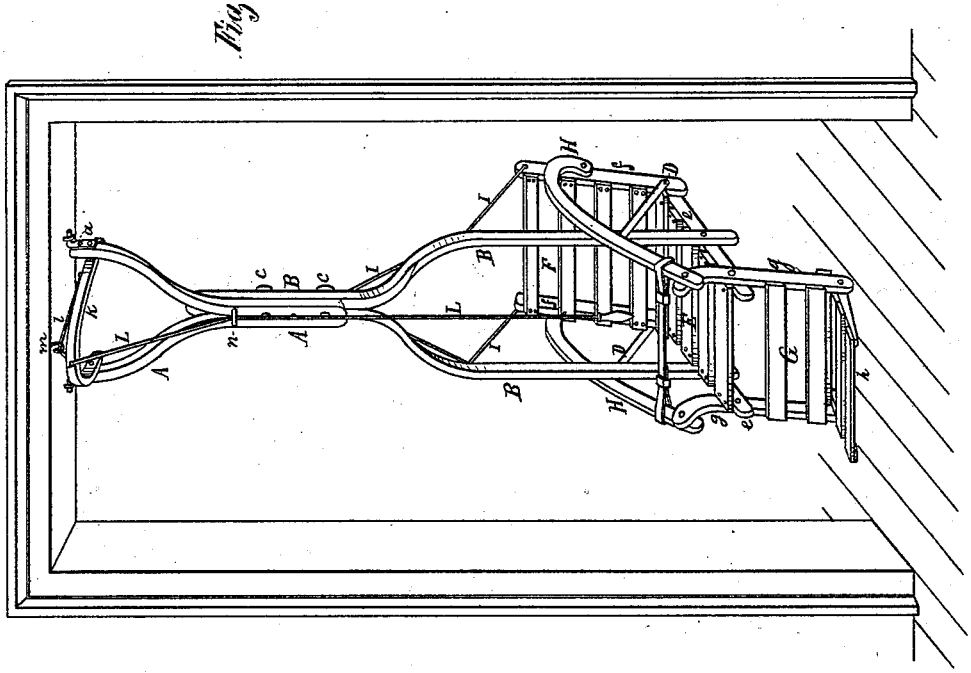


Fig: 1.



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UNITED STATES PATENT OFFICE.

OTTO UNZICKER, OF CHICAGO, ILLINOIS, ASSIGNOR TO ADOLPH SHOENINGER, OF SAME PLACE.

IMPROVEMENT IN SWINGS.

Specification forming part of Letters Patent No. **213,150**, dated March 11, 1879; application filed November 15, 1878.

To all whom it may concern:

Be it known that I, OTTO UNZICKER, of Chicago, in the county of Cook and State of Illinois, have invented a new and Improved Child's Swing, which improvement is fully described in the following specification, reference being had to the accompanying drawings, in which—

Figure 1 represents a perspective view of the swing embodying my improvements, and Fig. 2 a transverse section of the same.

The object of my invention is to provide a swing easily attachable to any doorway inside of a building, vertically adjustable to accommodate the same to the height of the doorway, with an extension-seat adapted to be used as a cradle, and arranged with a bow and rope for the occupant to actuate the swing with great ease.

My invention consists in the construction, arrangement, and combination of the several parts, as more fully hereinafter set forth, and indicated by the claims.

The pendulum-frame consists of two crotched sections, A and B, each composed of two bent sticks of wood, united at one end by a series of rivets, and pierced on their joint-line with a series of holes, equal distance apart, for the reception of two bolts, *c*, by which the two said sections A and B are adjustably connected and clamped together to a length suitable for the height of the doorway. The upper extremities of the prongs of section A of said pendulum-frame are provided with metallic pintle-hooks *a*, engaging with screw-eyes *d*, which are fastened in the under side of the door-frame cap, the said pintle-hooks to be engaged therewith by first contracting the said prongs, and then letting the same spring apart.

E is the main seat, having side rails, *e*, which are secured between the lower extremities of the prongs of section B of the pendulum-frame, and are steadied by diagonal brace-bars D.

To the rear ends of the side rails, *e*, of seat E are pivoted the lower ends of side rails, *f*, of back F, and to the forward ends of said side rails, *e*, are pivoted the rails *g* of foot-support G, carrying the foot-rest *h*, which is pivoted between the lower ends of the same.

The side rails of the seat, back, and foot-support are connected by slats transversely secured upon the same by nails, rivets, or screws.

The rails *g* of the foot-support G are upwardly elongated, and their upper ends are pivotally connected with the upper ends of back F by two curvilinear arm-rests, H, similar to an extension easy-chair, so that, by lowering the back, the foot-rest will be proportionally elevated, and the seat can be extended to answer as a cradle.

The back F is held in a vertical position by a cord, I, secured with its ends to the upper corners of the said back, passed through staples *i* on the prongs of section B of the pendulum-frame, and with its middle removably stretched over a hook, button, or knob, *j*, on the pendulum-frame.

A bow-piece, K, is pivoted with its ends between the prongs of sections A of the pendulum-frame, and is supported in about a horizontal position by a cord, *l*, secured across said bow-piece, about half-way between its pivots and its arc, which cord, on its middle, is suspended to a hook, *m*, the shank of which is screwed into the under side of the door-frame cap. To the central projecting portion of this bow-piece K is attached the upper end of a cord, L, guided in a loop, *n*, on pendulum-frame section A, which cord has a wooden handle, *o*, to its pendent extremity. The child occupying the swing-seat will take hold of the handle *o*, and, by giving an intermittent pull, will oscillate the swing with great ease and without assistance. The leverage obtained by the peculiar central suspension of the bow-piece K by cord *l* accelerates the motion to the swing in such a manner that but a very light moving-power is required.

As will be noticed, a swing like the one above described, without being complicated, offers every advantage for its intended purpose, can be easily attached to a door-frame or to a ceiling-joist by any unskilled person, can be taken apart, so as to occupy but a small space for shipment or storage, and is very strong and durable in its construction and light and handsome in its design.

What I claim as new, and desire to secure by Letters Patent, is—

1. In combination with the pendulum-frame of a swing, the seat E, with back F, foot-support G, and arm-rests H, connected by pivotal joints, and adjustably supported in the two required positions by cord I, loops *i*, and hook or button *j*, substantially in the manner and for the purpose described and shown.

2. In combination with a swing, the bow-piece K, pivoted to the pendulum-frame A, and suspended by cord *l* to a hook, *m*, and having cord L, with handle *o* and guide-loop *n*, substantially in the manner set forth, and for the purpose described and shown.

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