

Swing.

Patented May 25, 1875.

Fig. 1.

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By G. L. Chapin. Atty.

UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN SWINGS.

Specification forming part of Letters Patent No. **163,599**, dated May 25, 1875; application filed April 12, 1875.

To all whom it may concern:

Be it known that I, SMITH McCLEVEY, of Chicago, in the county of Cook and State of Illinois, have invented an Improvement in Swings, of which the following is a specification:

The present invention relates to an improvement more especially designed to be used for the amusement of children, but it may be used for other swings.

The nature of the invention consists in a compound arm, which is jointed to the top of the frame, and supports an operating-rope and two anti-friction rollers. The latter, bearing against a swinging frame when the rope is drawn upon, gives to the frame an oscillating movement. The rope, passing over a suspended sheave, brings it in position to be grasped by a child or person sitting in the chair of the frame.

In the drawings, Figure 1 is an end view of a swing provided with my improvement; Fig. 2, a side view thereof.

E A represent a substantial frame, which may be of any desired height or form for the support of the mechanism hereinafter described. The swing B, with its chair C, is of ordinary construction, and hung to the top part E of the frame at D D. M represents a sub-

stantial plate, which is hinged to the part E of the frame, and supports an arm, J, and two depending arms, L. The arm J provides a suitable support and leverage for an operating-rope, H, fastened to the arm at K. The lower ends of the arm L are provided with anti-friction rollers N, pivoted to the arms at P. F represents a depending standard, which is fastened to the frame E, and supports a sheave, G, over which the rope H passes.

The operation of the swing is as follows: The person in the chair C, by drawing on the rope H, depresses the outer end of the arm J, and brings the rollers N against the swinging frame B, and imparts to it an oscillating movement. Small swings may be made of wood and iron combined, so as to be light and strong. The larger swing may be made of wood, except the fastenings, which will be stronger if made of iron.

I claim and desire to secure by Letters Patent—

The swing B C, combined with the sheave G, arms L L J, and rope H, as and for the purpose set forth.

SMITH McCLEVEY.

Witnesses:

G. L. CHAPIN,
SAMUEL SWIFT.