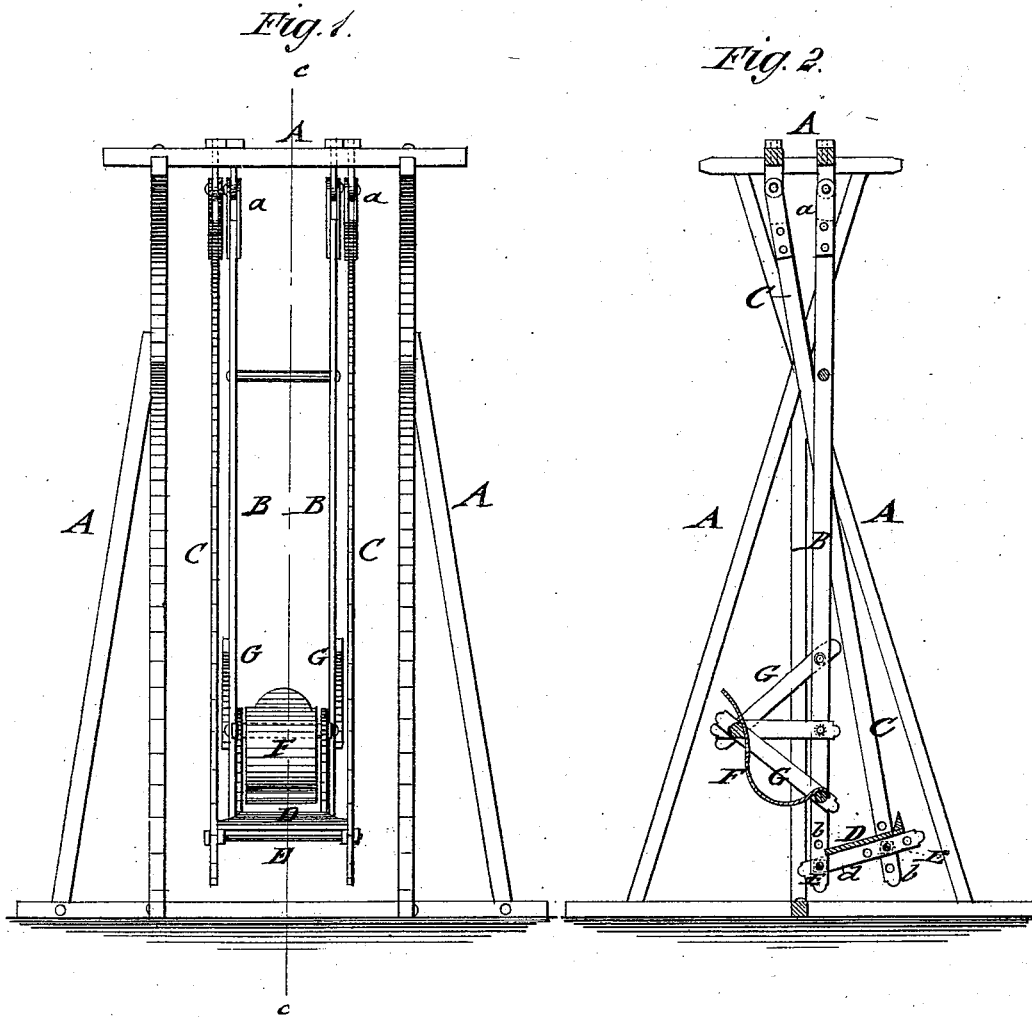


W. MOGLE.

SWINGS.

No. 183,587.

Patented Oct. 24, 1876.



WITNESSES:

Francis McArdle,
John Goettals

INVENTOR:

Wm. Magle
BY *Wm. Magle*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM MOGLE, OF ANOKA, MINNESOTA.

IMPROVEMENT IN SWINGS.

Specification forming part of Letters Patent No. 183,587, dated October 24, 1876; application filed July 1, 1876.

To all whom it may concern:

Be it known that I, WILLIAM MOGLE, of Anoka, in the county of Anoka and State of Minnesota, have invented a new and Improved Swing, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a front elevation of my improved swing, and Fig. 2 is a vertical longitudinal section of the same on line *c c* of Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention relates to improvements in swings, by which they may be adjusted for the use of a child or grown person, and worked with great facility and perfection; and the invention consists of inner and outer vibrating rods, to the lower ends of which the foot-board is applied by lateral pivot-rods in a vertically-adjustable manner, the seat being applied by arms and supporting-braces to the inner vibrating rods.

In the drawing, A represents the supporting-frame of my improved swing, which is constructed in any manner, and C are hinged by strong wrought-iron hinges *a* to the transverse pieces of the frame A, the inner vibrating rods B being applied to the same in front of the outer vibrating rods C. The lower ends of the inner and outer vibrating rods are provided with a number of holes, *b*, which serve to adjust the foot-board D, whose forward and backward extending side pieces *d* are pivoted, by means of lateral pivot-bolts E, at a greater or less height on the vibrating rods. Not only

the distance of the foot-board from the seat F may thereby be regulated, so that the swing may be set as desired, for a child or grown person, but the leverage imparted by the foot-board may also be increased or diminished in proportion to the weight of the person using the swing.

The lateral pivot-bolts are secured by screw-nuts at the ends. The seat F is secured to the inner vibrating rods B, the arms of the same being rigidly stiffened by inclined braces G, so as to form a strong and positive connection with the same.

The weight of the person on the seat oscillates the swing in one direction, while the pressure of the feet on the foot-board oscillates the swing in the opposite direction, in the customary manner, the swing working easily with little pressure on the vibrating foot-board, and forming a superior swing, capable of adjustment to the wants required.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with frame A and rods B C, of a seat-frame, set back of and attached to the inner rods B, and the foot-board suspended to the rods, and vertically adjustable on the same at front and rear, as shown and described.

WILLIAM MOGLE.

Witnesses:

R. THORNTON,
W. T. KERR.