(No Model.)

A. S. & F. J. BURNHAM.

SWING.

No. 302,096. Patented July 15, 1884.

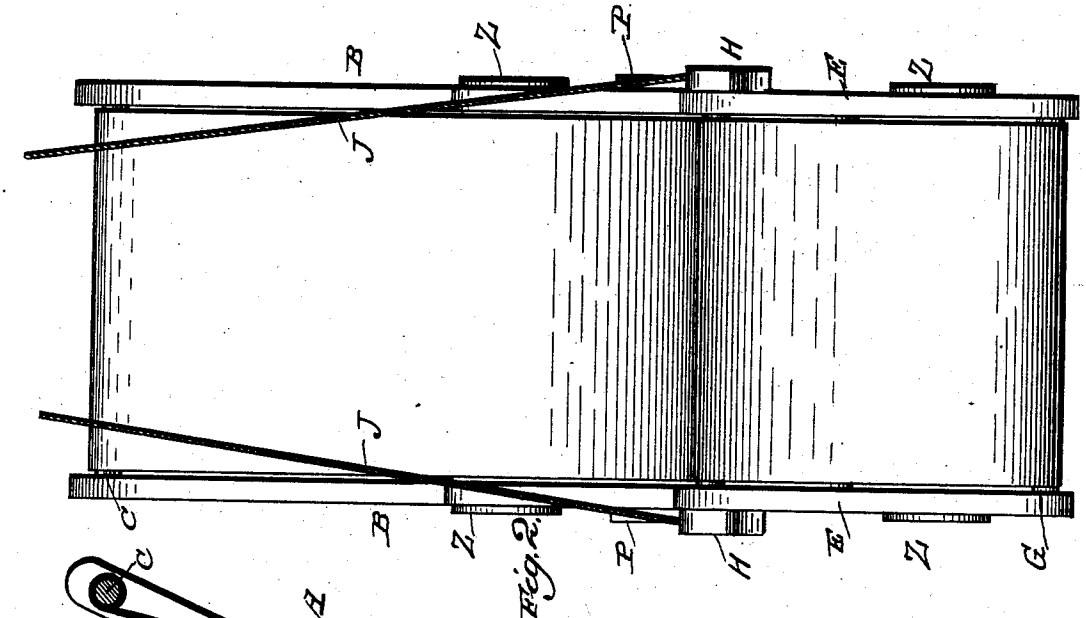


Fig. 2.

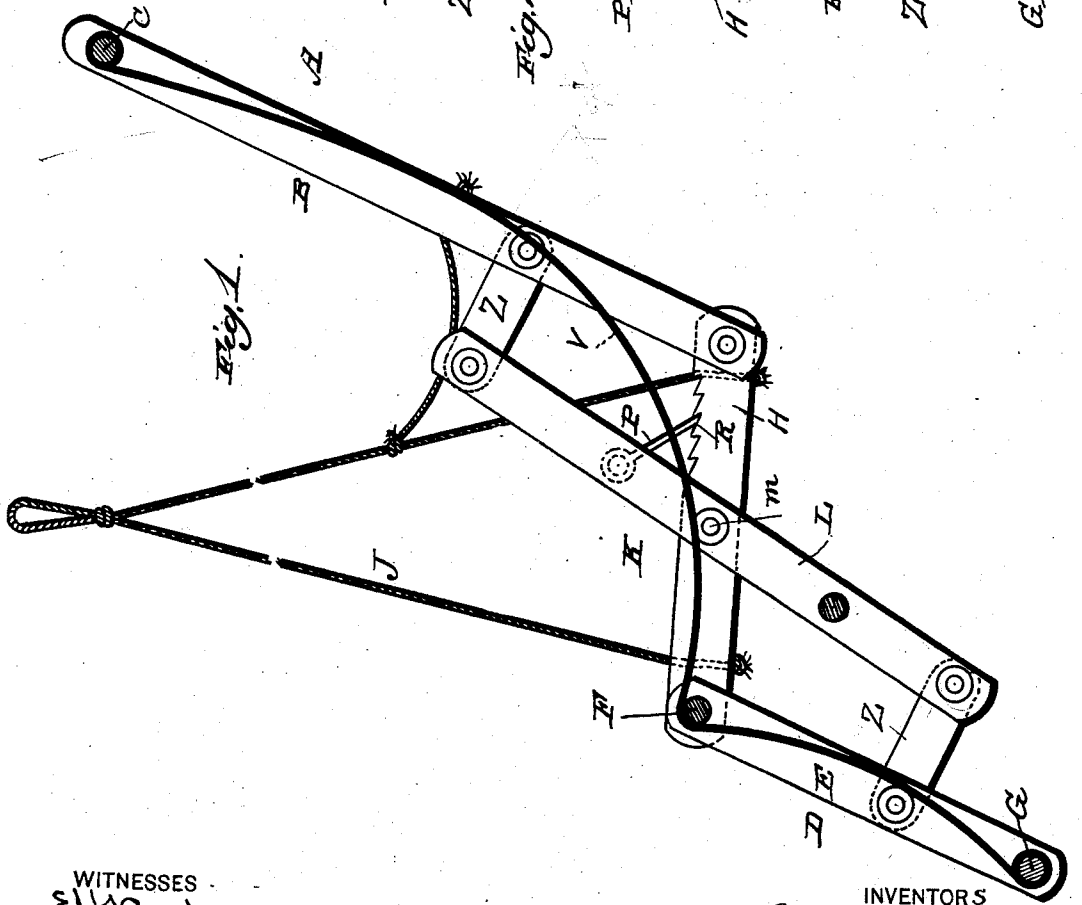


Fig. 1.

WITNESSES

E. H. Bowles.

P. Le Masi.

INVENTORS

A. S. Burnham

F. J. Burnham

by Anderson & Smith

ATTORNEYS

N. PETERS. Photo-Lithographer. Washington, D. C.

UNITED STATES PATENT OFFICE.

ALFRED S. BURNHAM, OF PARKERSBURG, IOWA, AND FRANKLIN J. BURNHAM, OF RICHLAND COUNTY, WISCONSIN.

SWING.

SPECIFICATION forming part of Letters Patent No. 302,096, dated July 15, 1884.

Application filed April 28, 1884. (No model.)

To all whom it may concern:

Be it known that we, ALFRED S. BURNHAM, a resident of Parkersburg, county of Butler, State of Iowa, and FRANKLIN J. BURNHAM, residing in the county of Richland and State of Wisconsin, both citizens of the United States, have invented certain new and useful Improvements in Swinging Chairs; and we do 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a vertical sectional view of our chair, and Fig. 2 is a front view of the same.

This invention has relation to adjustable swinging chairs; and it consists in the construction and novel arrangement of devices, as hereinafter set forth, and pointed out in the appended claims.

In the accompanying drawings, the letter A designates the back-frame of the chair, consisting of the side bars B B and the top transverse bar, C.

D represents the frame of the leg-support, consisting of the side bars E E and the transverse bars F and G.

To the upper end of the leg-support bars E and the lower ends of the side bars B of the back-frame are pivoted the intermediate connecting-bars, H, of the X-frames K, which are arranged on each side. The bars H of each X-frame extend transversely, and the bar L crosses said bar H from below upward, and is pivoted thereto at *m*, about midway the length of said bar. The bar L is of greater length than the bar H, and at its upper and lower ends short links Z are provided, which connect the ends of said bar respectively to the side bars of the back and leg support frames at points intermediate to the ends thereof. The links Z are shorter than the arms of the cross-bars H, being usually about one-half the length thereof.

On the rear arms of the cross-bars H are formed the ratchets R, and pawls P are pivoted to the upper arms of the cross-bars L, and engage said ratchets. The cloth V is suspended over the face of the frame between the end bars, C and G, to which it is connected. The knee-bend is formed by the transverse bar F, over which the cloth passes, as shown. The suspending-cords J are connected to the side bars of the frame, preferably to the bars H, L, and B.

Having described this invention, what we claim, and desire to secure by Letters Patent, is—

1. In the swinging chair, the combination, with the back frame and leg-support frame, of the intermediate adjustable X-frames, K, and the connecting-links Z, substantially as specified.

2. The adjustable swinging chair consisting of the back-frame, the leg-support frame, the intermediate bars, H, pivoted to these frames, the cross-bars L, pivoted to the bars H, and having the links Z, the suspended cloth, and the suspending-cords, substantially as specified.

In testimony whereof we affix our signatures in presence of two witnesses.

ALFRED S. BURNHAM.
FRANKLIN J. BURNHAM.

Witnesses:
C. C. WOLF,
WILLIAM HUNT.