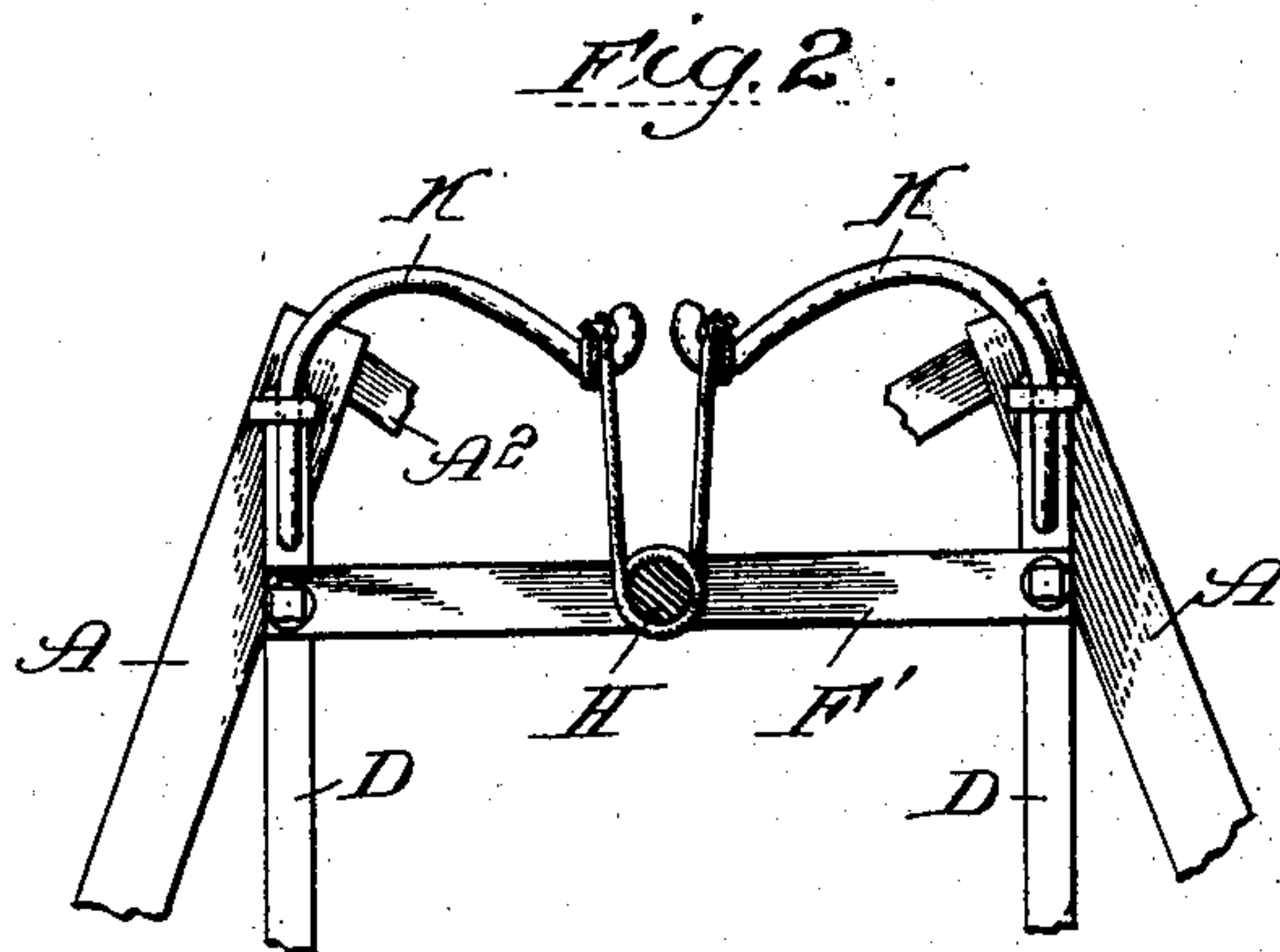
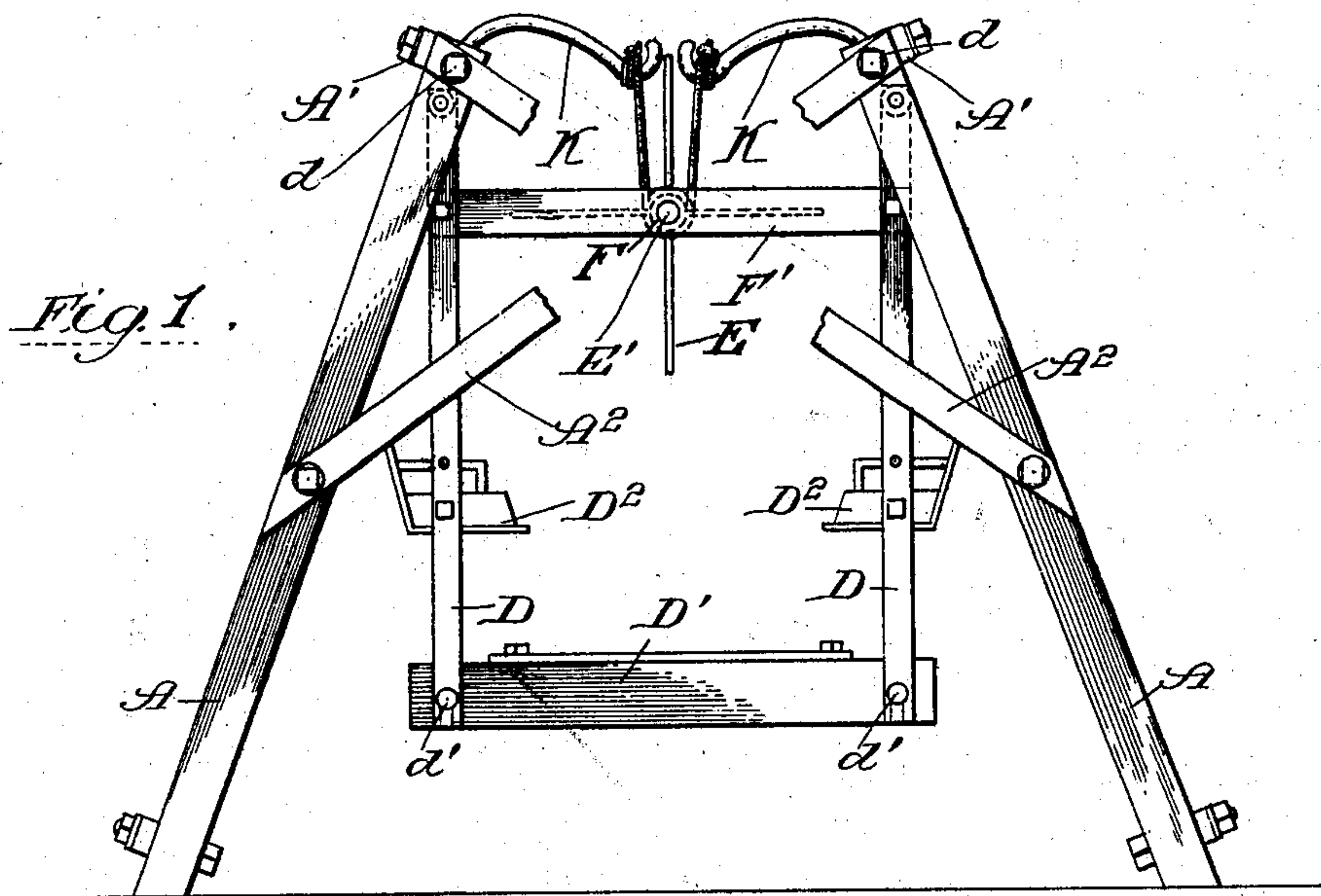


No. 753,832.

PATENTED MAR. 1, 1904.

J. E. WELIN.  
FAN ATTACHMENT FOR SWINGS.  
APPLICATION FILED OCT. 7, 1902.

NO MODEL.



Witnesses:

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# UNITED STATES PATENT OFFICE.

JOHN E. WELIN, OF VICTORIA, ILLINOIS.

## FAN ATTACHMENT FOR SWINGS.

SPECIFICATION forming part of Letters Patent No. 753,832, dated March 1, 1904.

Application filed October 7, 1902. Serial No. 126,302. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN E. WELIN, a citizen of the United States, residing at Victoria, in the county of Knox and State of Illinois, have invented certain new and useful Improvements in Fan Attachments for Swings, of which the following is a specification.

The present invention relates to a swing provided with a fan attachment so arranged that the fan proper will be automatically operated as the swing oscillates for the purpose of fanning the occupant; and the object of the invention is to provide an improved fan attachment of this class.

The invention consists in the features of novelty that are hereinafter described with reference to the accompanying drawings, which are made a part of this specification, and in which—

Figure 1 is a side elevation of a swing having a fan attachment embodying the invention. Fig. 2 is a vertical section thereof.

The frame may be of any desired construction. As shown in the drawings, it comprises four corner posts or uprights A, cross-bars A', located at the back of the swing and connecting the uprights A in pairs, and crossed braces A<sup>2</sup>, located at the sides and connecting the uprights in pairs. The uprights, the cross-bars, and the crossed braces form a rigid frame which is adapted to support the other parts of the swing.

The swing proper comprises four hangers D, swung from the pivots *d* at the top of the frame, cross-rods *d'*, connecting the hangers D in pairs parallel with each other, a platform D', resting on the cross-rods *d'* and connecting them, and seats D<sup>2</sup>, carried by the hangers.

E is a fan carried by the journals E', mounted to revolve in bearings F, which are carried by bars F', pivotally supported by the hangers D some distance below the pivots *d*. The ends of this cord are attached to the ends or arms K, carried by the hangers and projecting upward beyond the pivots *d*, the said arms being bent inward toward each other, so that when the hangers are vertical the two sides of the cords will be vertical, or practically so. With this arrangement the projecting arms will move with the swing, and as the extremity of one arm moves upward the extremity of

the other arm moves downward, the result being that the drum and consequently the fan are revolved alternately in opposite directions.

The term "cord" as used in this specification is intended to include a strap, cable, chain, or other flexible device that will answer the purpose.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. In a device of the class described, the combination of a frame, a swing having hangers pivoted to the frame, arms carried by the hangers and projecting above the pivots, a fan rotatively supported by the swing, and means interposed between the arms aforesaid and the fan for imparting rotary movement to the fan, substantially as described.

2. In a device of the class described, the combination of a frame, a swing having hangers pivoted to the frame, arms projecting upward above said pivots, a fan rotatively supported by the swing and means interposed between the arms aforesaid and the swing for imparting rotary movement to the fan, said means including a drum on the fan-shaft and a cord wound around said drum and having its ends secured to the arms, substantially as described.

3. In a device of the class described, the combination of a frame, a swing having hangers pivotally supported by the frame, arms projecting upward from said hangers and bent inward, toward each other, a fan rotatively supported by the swing, and means interposed between the arms aforesaid and the fan for imparting rotary movement to the latter, substantially as described.

4. In a device of the class described, the combination of a frame, a swing having four parallel hangers pivoted to the frame, arms carried by the hangers and extending above said pivots, bars pivotally supported by the hangers, a fan having a shaft rotatively supported by said bars, and means interposed between the arms aforesaid and the fan for imparting rotary movement to the latter, substantially as described.

JOHN E. WELIN.

Witnesses:

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