

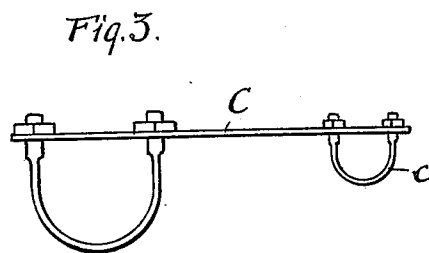
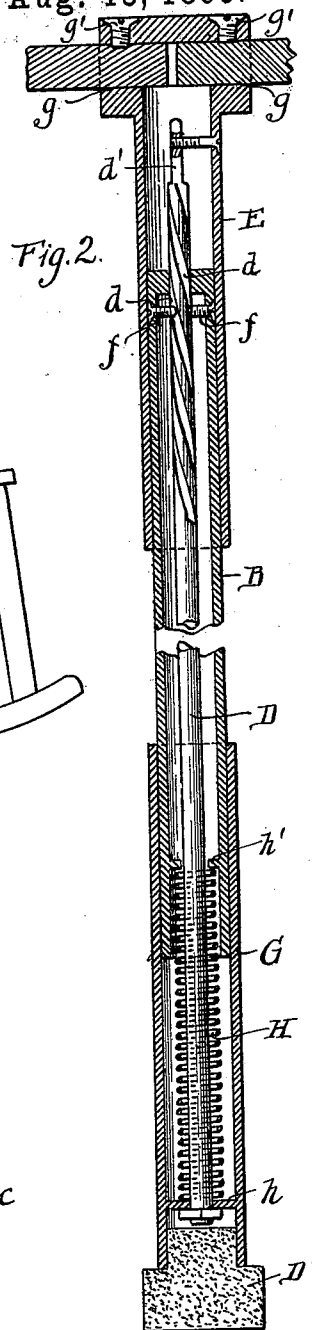
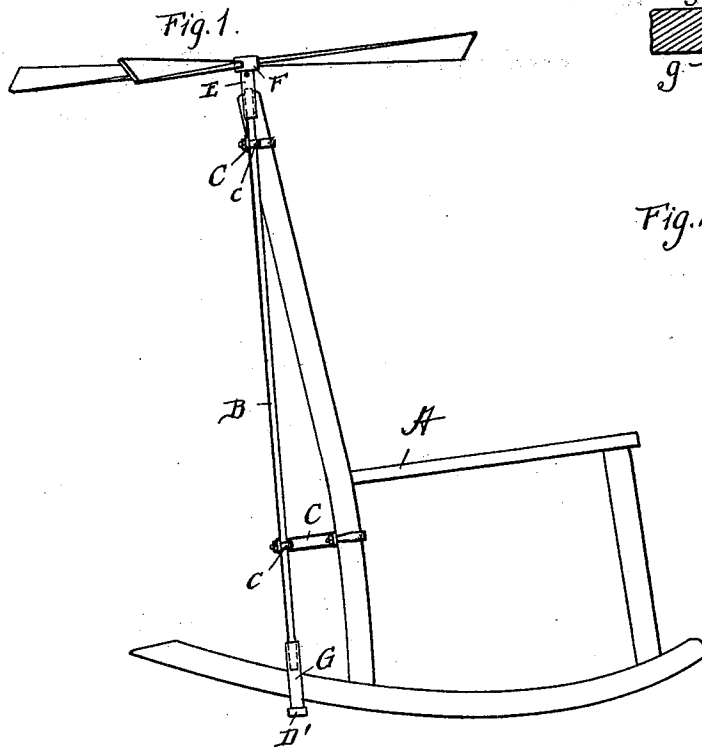
(No Model.)

J. S. URBAN.

FAN ATTACHMENT FOR ROCKING CHAIRS.

No. 544,421.

Patented Aug. 13, 1895.



WITNESSES

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UNITED STATES PATENT OFFICE.

JOSEPH S. URBAN, OF ANDERSON, INDIANA, ASSIGNOR OF TWO-THIRDS TO
ALEXANDER P. MCKEE AND WILLIAM E. JONES, OF SAME PLACE.

FAN ATTACHMENT FOR ROCKING-CHAIRS.

SPECIFICATION forming part of Letters Patent No. 544,421, dated August 13, 1895.

Application filed November 12, 1894. Serial No. 528,555. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH S. URBAN, a citizen of the United States, and a resident of Anderson, in the county of Madison and State of Indiana, have invented certain new and useful Improvements in Fan Attachments for Rocking-Chairs; and I 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 of reference marked thereon, which form a part of this specification.

Figure 1 is a side elevation showing the invention as applied to a chair. Fig. 2 is a vertical section showing the invention. Fig. 3 is a detail view of one of the attachment-clips.

This invention has relation to certain new and useful improvements in fan devices for rocking-chairs, the object being to provide a simple device of this character which can be readily applied to an ordinary rocking-chair and which is adapted to give the fans an alternate rotation as the chair is rocked; and the invention consists in the novel construction and combination of parts, all as hereinafter described, and pointed out in the appended claim.

Referring to the accompanying drawings, the letter A designates a common form of rocking-chair, to which I have shown the invention applied.

B designates an elongated tubular casing, which is supported in vertical relation to the chair by means of plates or brackets C C clipped to the body of the chair, as shown, the plates or brackets having each a clip c which embraces said casing. Extending through said casing and projecting beyond both ends thereof is a rod D, whose lower end is secured in a tubular sleeve G, arranged to slide loosely upon the lower portion of the casing and to rotate thereon. The lower end of the sleeve G is fitted with a button or cushion D', of rubber or other yielding material. The upper end portion of said rod has channeled thereon two beveled-wall helical grooves d d, which are arranged to be engaged each with a stationary pin or projection f in the

upper portion of the casing B. These projections will usually consist of two small screws having smooth hardened points.

Above the helical grooves the rod D has a short extension d', to which is rigidly secured a sleeve E, working loosely upon the upper portion of the casing B, and which at its upper end carries a fan-head F. Said head is provided with a series of radial openings g to receive the shanks of the fan-blades, which are held therein by set-screws g'. Coiled around the rod within said sleeve is a helical spring H, which rests between that part h of the sleeve G to which the rod is secured and a shoulder h' of the casing.

The operation of the device is as follows: As the chair is rocked backwardly the button or cushion D' comes in contact with the floor and forces the rod D upward. The pins or projections f being in engagement with the helical grooves or channels d d said rod is caused to rotate as it moves upwardly, thereby rotating the sleeve E, the fan-head F, and the fans. As the chair comes forwardly, the spring H throws the rod downwardly, causing the fans an opposite rotation. In this manner a nearly constant rotation of the fans is maintained, this depending, of course, upon the movement of the chair. The device can be removed quickly from a chair when not needed or it can be allowed to remain with the fan-blades removed. This can be readily done by loosening the set-screws g'.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

The fan-attachment for rocking chairs, consisting of an elongated tubular casing designed to be supported in substantially vertical relation to a chair, an elongated rod which extends entirely through said casing, said rod having channeled therein two beveled-wall helical grooves d, d, and having above said grooves a short extension d', a sleeve E rigidly secured to said extension and working loosely upon the upper portion of a casing B, a fan head F carried by said sleeve and having detachable blades, the pins f held in the casing B and engaging respectively the grooves d, d, the sleeve G in which the lower

portion of the rod D is secured and which is
arranged to slide and to turn upon the casing
B, said sleeve having a button or cushion
adapted to contact with the floor, and the heli-
5 cal spring H coiled around said rod within
said sleeve and casing, and confined between
internal flanges thereof, substantially as
specified.

In testimony whereof I affix my signature
in presence of two witnesses.

JOSEPH S. URBAN.

Witnesses:

FLERY TOMS,
MARTIN H. WILLHIDO.