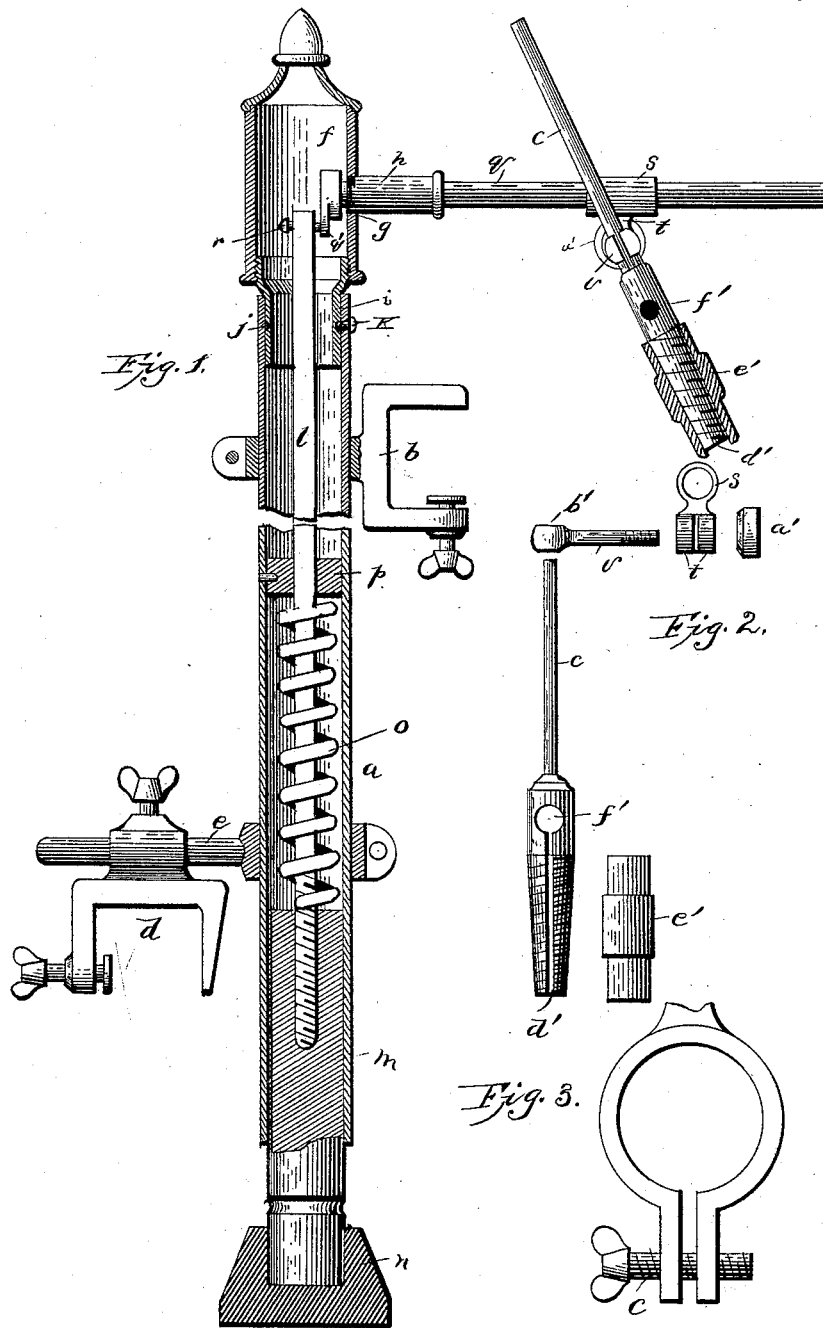


R. TAGGART.
FAN ATTACHMENT FOR CHAIRS.

No. 421,206.

Patented Feb. 11, 1890.



Witnesses;
C. M. Herli
H. C. Peck.

Inventor
Robt. Taggart.
per.
O. E. Duffly atty.

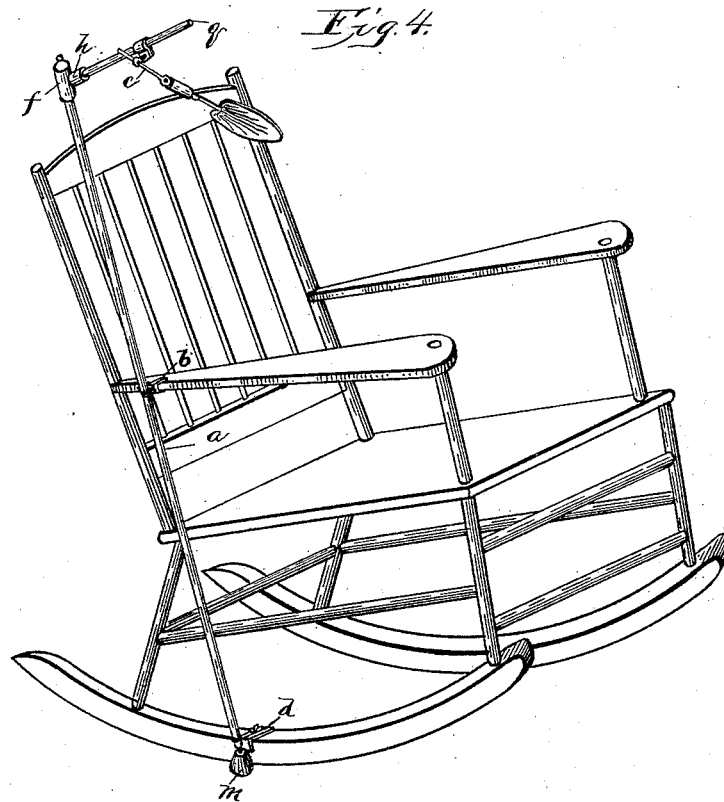
(No Model.)

2 Sheets—Sheet 2.

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Witnesses:
E. C. Duffey
Chas. M. Werle

Inventor:
Robt Taggart -
per W. E. Duffey -
Attorney

UNITED STATES PATENT OFFICE.

ROBERT TAGGART, OF TERRE HAUTE, INDIANA.

FAN ATTACHMENT FOR CHAIRS.

SPECIFICATION forming part of Letters Patent No. 421,206, dated February 11, 1890.

Application filed May 3, 1889. Serial No. 309,447. (No model.)

To all whom it may concern:

Be it known that I, ROBERT TAGGART, of Terre Haute, in the county of Vigo and State of Indiana, have invented certain new and useful Improvements in Fan Attachments for Chairs; and I do hereby declare that the following is a full, clear, and exact description of the invention, which 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 the letters of reference marked thereon, which form part of this specification.

My invention relates to an improved fan attachment for chairs.

The object of the invention is to provide an improved fan attachment adapted for use upon chairs, cradles, &c., complete in all particulars, exceedingly cheap and simple in construction, composed of a minimum number of strong durable parts, and which is automatically operated to vibrate the fan by the rocking of the chair, cradle, &c., to which the device is attached. These objects are accomplished by and my invention consists in certain novel features of construction and combinations of parts, more fully described hereinafter, and particularly pointed out in the claims.

Referring to the accompanying drawings, Figure 1 is an elevation of the device, partly in longitudinal section. Fig. 2 is a detail view of the fan-clamp. Fig. 3 is a detail. Fig. 4 is a perspective view of a rocking-chair, showing the invention attached.

In the drawings, the reference-letter *a* indicates a tubular casing adapted to be clamped in a vertical position to a chair and extend down almost to the floor and a suitable distance above the seat of the chair. This casing is provided with a clamp *b*, by which the casing is secured to the seat or arm of the chair, and this clamp is adjustably secured to the casing by means of the split ring having projecting ears and set-screw *c*, so that the clamp can be moved up or down and rigidly secured in position. At its lower end the casing is provided with a clamp *d* to engage the upper part of a rocker of the chair, and this clamp is adjustably mounted upon a horizontal arm *e*, adjustably secured to the casing by means of a split ring, projecting

ears, and clamping-screw, the same as clamp *b*, and as shown in Fig. 3. Thus the clamp *d* can be moved horizontally upon the arm or rod *e*, so that the casing can always be held in a perpendicular position when used upon chairs of different constructions. Upon its upper end the casing is provided with a hollow head or T-coupling *f*, preferably having its top closed by a suitable ornament, and having a side opening *g*, in which a bushing or short pipe-section *h* is inserted to form a bearing. This head *f* is secured to the upper end of the casing to prevent longitudinal but allow rotary movement independent of the casing, preferably, by means of a pipe-section *i*, secured in the lower opening of the head *f*, and having a contracted portion extending down into the upper end of the casing, the shoulder formed by this contracted portion bearing on the upper edge of the casing, and the pipe having an annular peripheral groove *j*, receiving the ends of one or more set-screws *k*, extending through the casing. An operating-rod *l* extends through the casing and at its upper end into the head *f*, and at its lower end is screwed into a plug *m*, extending beneath the casing. Said plug is provided with a rubber cap or base *n* to engage the floor. A coiled spring *o* is located in the casing, constantly tending to hold the operating-rod to its limit of downward movement, and at its lower end the spring bears against plug *m* and at its upper end against a plug *p*, rigidly secured in the casing. By adjusting this plug *m* upon the end of the operating-rod the tension of the spring can be varied. The rubber base upon the lower end of said plug prevents injury to the floor or carpet.

A horizontal rock or fan shaft *q* extends at right angles from the casing and is adapted to extend horizontally over the chair. At its inner end this rock-shaft is journaled in the bushing *h* in the side opening *g* of the head on the upper end of the casing and provided on its inner end within said head with a crank-arm *q'*, extending laterally and loosely secured to the upper end of the operating rod by means of the crank-pin *r*, so that when this rod is reciprocated the shaft is rocked.

The fan-holding devices consist of a split tube or sleeve *s*, embracing and adjustable the length of and around the rock-shaft and

having the pair of laterally-projecting ears *t* provided with transverse registering openings, through which a tapered clamping-pin *v* extends, the smaller threaded end of which is provided with a thumb-nut *a'*, while the opposite end of the pin is provided with an enlarged head having a transverse opening *b'* and is split longitudinally, as shown. A rod *c* extends through said opening *b'* and is provided with a socket or clamp upon its lower end to receive the fan-handle, said socket being formed by a longitudinally-split and externally-threaded enlargement at said end of the rod having a longitudinal opening *d'*, having an external clamping-nut *e'* to clamp the fan-handle in the socket or release the same. The rod is also provided with a transverse opening *f'*, in which the fan-handle can be inserted, and wherein it can be clamped by the nut. It will thus be seen that the fan can be universally adjusted and clamped in any position, and that the pin *v* is drawn through the apertures of the ears *t* by the single nut *a'*, thereby clamping the sleeve *s* to the shaft and the rod *c'* in the pin *v*. By this arrangement the fan can be raised and lowered and adjusted to any inclination or horizontally the length of the rock-shaft.

It should be observed that the exterior of the fan-clamp and the interior of the nut, therefore, are tapered, as shown, so that when the nut is screwed on the socket the same will be contracted. When not being used, the rock-shaft, &c., can be swung around out of the way.

What I claim is—

1. In a fan attachment, the combination of the casing, a hollow head rotatively mounted on the upper end of said casing, a horizontal rock-shaft at one end journaled and extending into said head, a rod in the casing to rock

the shaft, and a fan-holder carried by the shaft, substantially as described.

2. In a fan attachment, the combination of a rock-shaft and means, substantially as set forth, to rock the same, with a split sleeve on the shaft having projecting ears with registering openings, a tapered clamp-pin extending through said openings, having its large end split longitudinally and provided with a clamping-opening, and means, substantially as described, at the smaller end of said pin to draw the same through said ears, and thereby clamp the sleeve on the shaft and contact said clamping-opening, substantially as described.

3. In a fan attachment, the combination of a tubular casing, the horizontal rock-shaft and its fan-holder, a reciprocable rod extending through and below the casing and connected with the shaft and threaded at its lower end, and an adjustable plug on the lower end of the rod having a soft base, a stationary stop in the casing, and a coiled spring embracing the rod and bearing against said stop and plug, as set forth.

4. In a fan attachment, the combination, with a tubular fan-carrying casing, of a clamp vertically adjustable on the casing to engage the arm or seat of a chair, a lateral rod secured to and vertically adjustable on the lower portion of the casing, and a clamp adjustable longitudinally on said rod and adapted to engage the rocker or lower portion of a chair, substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

ROBERT TAGGART.

Witnesses:

W. SHEWMAKER,
J. N. HOSFORD.