

(No Model.)

P. H. MASTERSON.
FAN ATTACHMENT FOR ROCKING CHAIRS.

No. 591,237.

Patented Oct. 5, 1897.

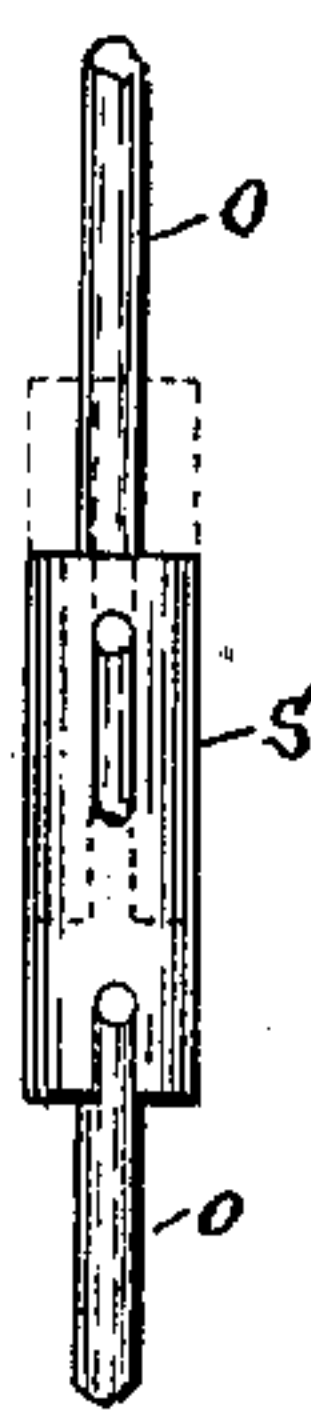
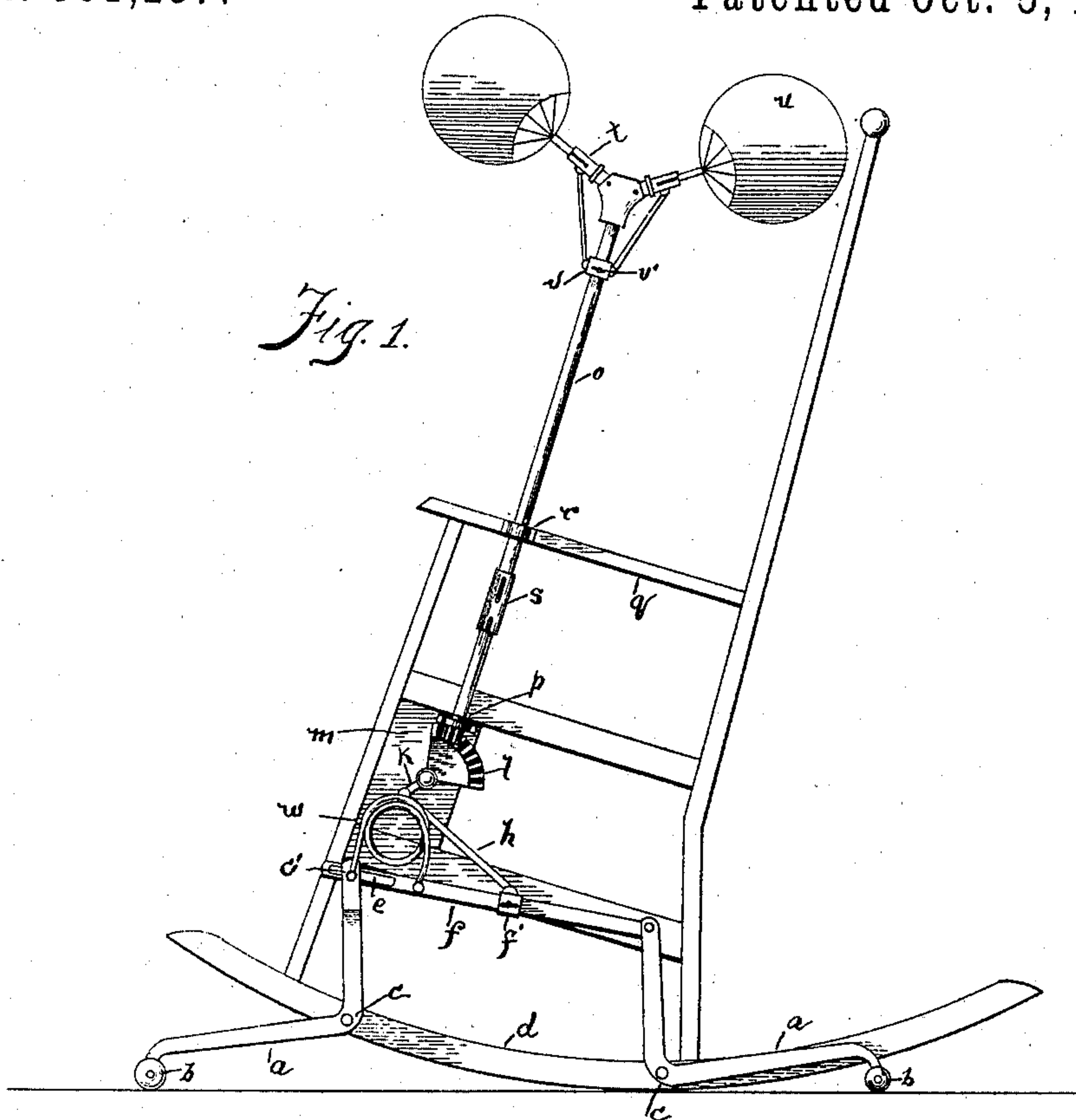


Fig. 3.

Fig. 2.

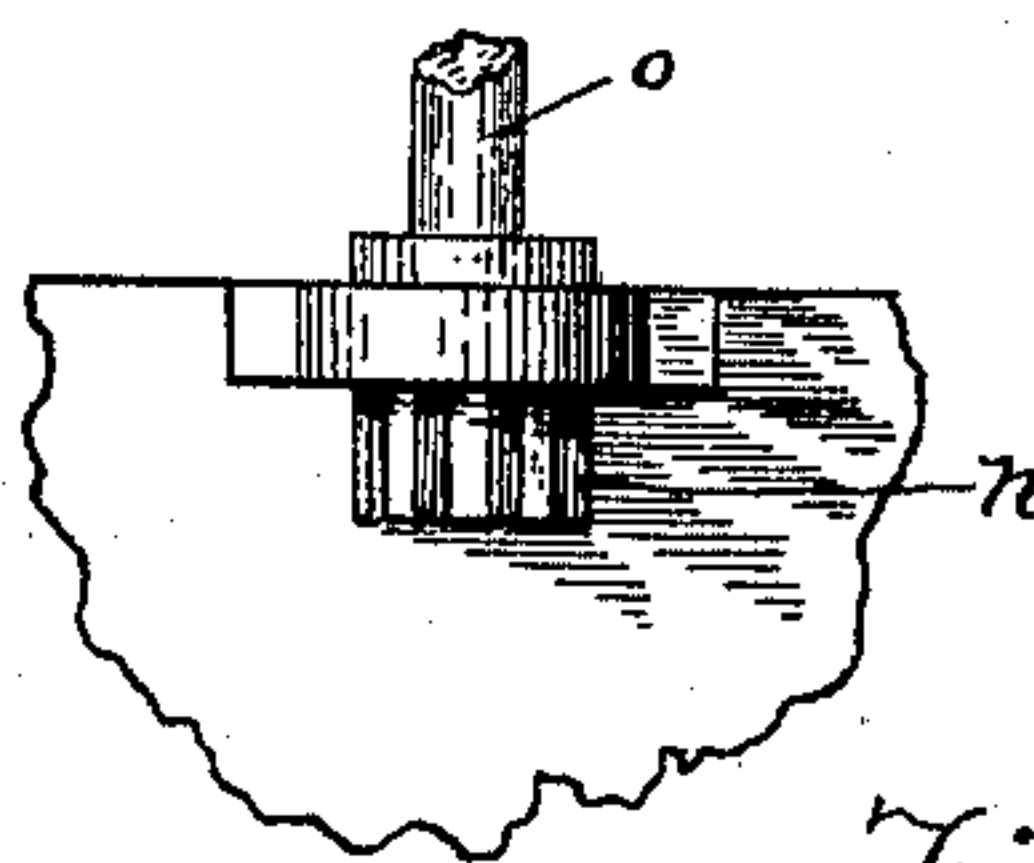
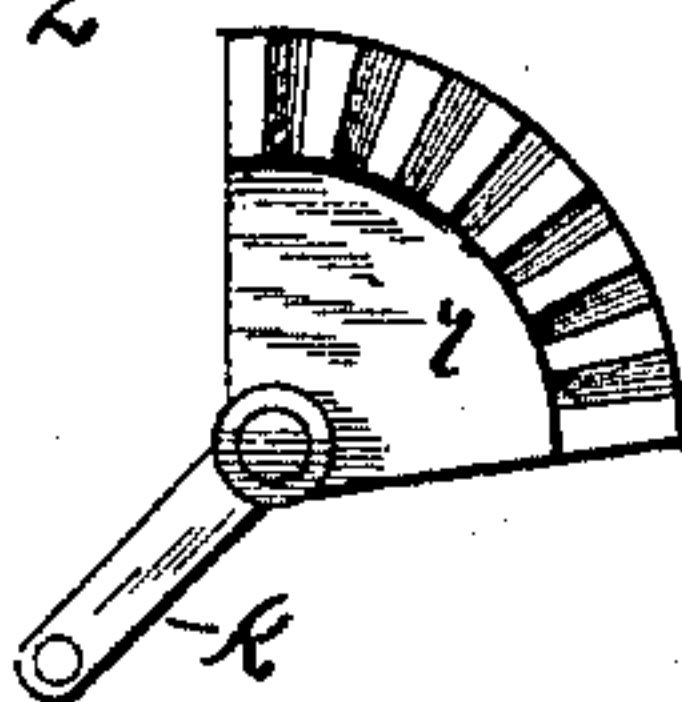


Fig. 4.

Witnesses

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PATRICK H. MASTERSON, OF ALTOONA, PENNSYLVANIA.

FAN ATTACHMENT FOR ROCKING-CHAIRS.

SPECIFICATION forming part of Letters Patent No. 591,237, dated October 5, 1897.

Application filed March 26, 1897. Serial No. 629,375. (No model.)

To all whom it may concern:

Be it known that I, PATRICK H. MASTERSON, a citizen of the United States of America, residing at Altoona, in the county of Blair and State of Pennsylvania, have invented certain new and useful Improvements in Fan Attachments for Rocking-Chairs, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in fan attachments for rocking-chairs, and has for its object to provide a simple and efficient means for fanning the occupant of the chair by the rocking of the same.

The invention further aims to provide a device of the above-referred-to class that will be extremely simple in its construction, strong, durable, effectual in its operation, and comparatively inexpensive to manufacture. Furthermore, this device may be quickly and easily attached to an ordinary rocking-chair.

A still further object of the invention is to construct a device of the above class whereby the device may be removed, or the device locked in such a manner that the chair can be used without operating the fan, if it is so desired.

The device above referred to is an improvement on my application filed August 14, 1896, Serial No. 602,751.

With the above and other objects in view the invention finally consists in the novel construction, combination, and arrangement of parts to be hereinafter more specifically described, and particularly pointed out in the claims.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like letters of reference indicate similar parts throughout the several views, in which—

Figure 1 is a side elevation of a chair with the attachment in position, showing my improvement. Fig. 2 is a side view of segment and arm. Fig. 3 is a side view of a portion of the rods to show the manner of detaching the same. Fig. 4 is a side view of the cog-wheel on the end of the rod.

Referring to the different parts by letters, *a* represents the crank-arms, provided at their

lower ends with casters *b b*, said crank-arms being fulcrumed at *c* to the rocker *d*. The upper ends of these crank-arms are provided with pins *c'*, which form a pivotal connection with the horizontal connecting-bar *f*. One end of this bar is preferably slotted, as shown at *e*, said slot engaging pin *c'* in the crank-arms *a*. The connecting-bar *f* is pivotally attached to one end of a rod *h*, the other end of said rod being similarly attached to an arm *k* of the segment *l*, said arm and segment being fulcrumed to a plate *m*, secured to the side of the chair. The bar *f* is provided with an adjustable sliding sleeve *f'* to admit of adjusting the bar *h*. The segment is provided on its outer face with a series of cogs adapted to engage the cog-wheel *n*, carried on the lower part of the rod *o*, said rod secured to a plate *m* by a lip or bearing *p*. The rod is also secured to a side arm *q* of the chair by the keeper *r*, and is provided with a sliding collar *s*, to permit of removing the upper portion of the rod and using the chair without the fans. On the upper end of this rod is secured a double adjustable socket *t*, in which is secured the fans *u u*. Said sockets are connected to a sliding collar *v*, provided with a set-screw *v'*. One end of the coiled wire spring *w* is secured to one of the crank-arms *a* and the other end to the connecting-bar *f*, said spring tending to keep the casters of the crank-arms in engagement with the floor.

The operation of my improved fan attachment will be readily understood from the views of the same that I have shown in the drawings, but to illustrate the same more clearly to those unskilled in the art we will assume that the parts have been secured in their respective positions, as shown in Fig. 1 of the drawings.

As the operator rocks the chair forward the casters of the front crank-arm will engage the floor, forcing the upper end of the arm backward and causing the rod *h* to operate the segment and engage the cog-wheel *n*, thus rotating the fans carried by the rod. As the movement of the chair is reversed the rear crank-arm will engage the floor, also reversing the motion of the rod and rotating the same and the fans in the opposite direction, the spring *w* keeping the front crank-arm in engagement with the floor. By this construc-

tion a continuous breeze is communicated to the occupant of the chair, and it will be observed that the fans may be adjusted so as to force the air in the desired direction.

5 This device can be also attached to a cradle, the operation being substantially the same.

It will be noted that various changes may be made in the details of construction without departing from the general spirit of my
10 invention.

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

1. In a fan attachment for rocking-chairs,
15 the combination of the crank-arm, fulcrumed to the rocker, a connecting-bar pivotally engaging at one end, to one of the crank-arms and provided with a slot engaging a lug carried by the front crank-arm, a rod pivoted to
20 an adjustable sliding sleeve, and to a segment, engaging a cog-wheel on a rod secured to the side of the chair, and carrying fans on its upper end, substantially as shown and described.

2. In a fan attachment, the combination of
25 the supporting-rod, carrying the fans, said rod carrying on the lower end a cog-wheel adapted to engage a segment, said segment connected by a pivoted rod to an adjustable sliding sleeve, carried by the connecting-bar,
30 said connecting-bar pivoted at one end to a

crank-arm fulcrumed to the rocker, and provided at the other end with a longitudinal slot engaging a pin carried by the front crank-arm, a spiral spring, one end of which is fastened to the connecting-bar, and the other end
35 to the front crank-arm, adapted to hold it normally in engagement with the floor, during the forward and rearward motion of the chair, and communicating motion to the fans, substantially as shown and described. 40

3. In a fan attachment, the combination of a detachable supporting-rod, carrying on one end an adjustable fan-socket provided with
45 braces engaging an adjustable sliding sleeve carried by said rod, and on the opposite end a sliding sleeve adapted to hold the rod in operative engagement with a rod journaled to the side of the chair, and provided with a cog-wheel, a segment secured to the chair and provided with an arm, said cog-wheel engaging
50 the segment operated by crank-arms, fulcrumed to the rocker and connected by a bar and rod to the arm of the segment, substantially as shown and described.

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

PATRICK H. MASTERSON.

Witnesses:

A. M. WILSON,
GEO. B. PARKER.