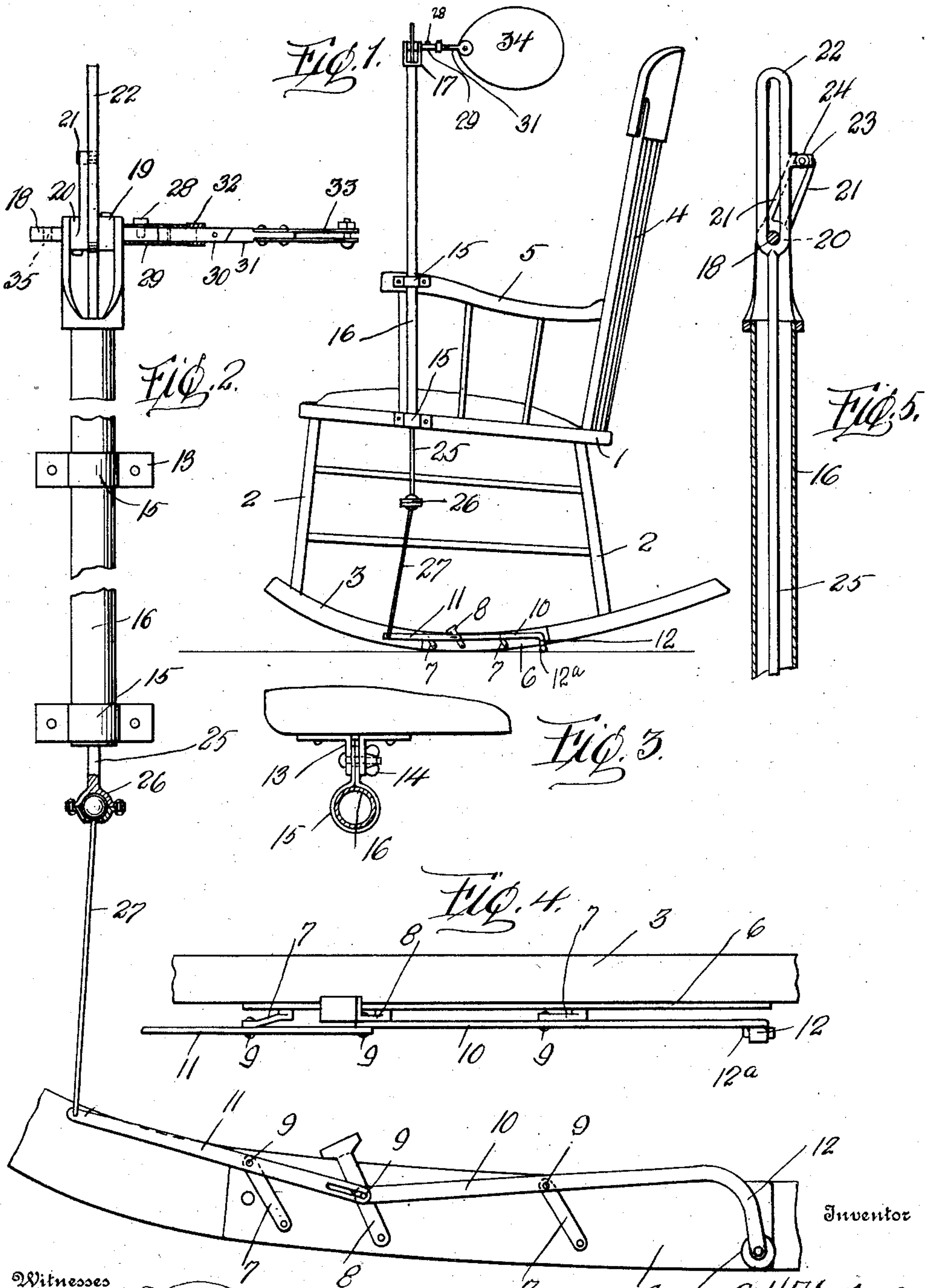


C. H. TOWERS.  
FAN ATTACHMENT FOR CHAIRS.  
APPLICATION FILED JULY 29, 1908.

905,482.

Patented Dec. 1, 1908.



Witnesses

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# UNITED STATES PATENT OFFICE.

CHARLES H. TOWERS, OF PITTSBURG, PENNSYLVANIA.

## FAN ATTACHMENT FOR CHAIRS.

No. 905,482.

Specification of Letters Patent.

Patented Dec. 1, 1908.

Application filed July 29, 1908. Serial No. 445,880.

*To all whom it may concern:*

Be it known that I, CHARLES H. TOWERS, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Fan Attachments for Chairs, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a fan attachment for chairs, and the object of my invention is to provide a novel attachment by which a fan can be operated from the rocking movement of a chair, said attachment being applicable to any type of chair having rockers adapted to rest upon a floor while the chair is being used.

Another object of this invention is to provide a fan attachment for chairs of a simple, durable and inexpensive construction, wherein a novel mechanism is employed for imparting an oscillatory movement to a fan from the rocking movement of the chair.

My invention comprehends certain novel features of construction that will be hereinafter described and then specifically pointed out in the appended claims.

Referring to the drawings:—Figure 1 is a side elevation of a rocking chair equipped with my attachment, Fig. 2 is an enlarged elevation of a portion of the attachment, partly broken away and partly in section, Fig. 3 is a plan of one of the brackets of the attachment, Fig. 4 is an enlarged plan of a portion of one of the rockers of the chair equipped with the actuating mechanism, and Fig. 5 is a vertical sectional view of a portion of the attachment illustrating the mechanism employed for obtaining an oscillatory movement from a reciprocating movement.

In the accompanying drawings, 1 designates the seat of a rocking chair supported by legs 2 having rockers 3. The seat 1 is provided with a back 4 and with arms 5, and to said arms, the seat 1 and the rockers 3 I secure my attachment at one side of the chair.

Upon one of the rockers 3 is mounted a bearing plate 6 for pivoted arms 7 and 8. Pivotaly connected to the arms 7 and 8, as at 9, are bars 10 and 11, these bars being pivotally connected by the pivot pin 9 of the arm 8. The bar 10 is provided with a

curved depending end 12 having a roller 12<sup>a</sup> for engaging the floor and oscillating the bars 10 and 11, when the chair is rocked.

As some occupants of the chair rock with greater force than others and cause the chair to further tilt, I have provided the pivoted arm 8, whereby the same can be swung rearwardly, together with the arm 7, to lower the curved depending end of the bar 10 and cause a slight rocking movement of the chair to operate the fan attachment just the same as a forceful rocking movement.

The side of the seat 1 and one of the arms 5 are provided with vertically alining bearings 13 having set screws 14 for detachably holding clamps 15, these clamps embracing a vertical tube 16. The upper end of the tube 16 is provided with a yoke 17 in which is journaled a shaft 18. Upon the shaft within the yoke is mounted two collars 19 and 20, the collar 20 having two parallel crank arms 21. Surrounding the shaft between the collars 19 and 20 is an oblong strap 22 having a right angular extension 23 provided with a roller 24 adapted to engage between the parallel crank arms 21. The strap 22 is carried by the upper end of a rod 25, said rod being located within the tube 16 and having the lower end thereof protruding from said tube and provided with a universal connection 26 for a connecting rod 27, said rod being attached to a pivoted bar 11.

Mounted upon the end of the shaft 18 by a set screw 28 is a sleeve 29 supporting a fan holder, said holder comprising two hinged members 30 and 31 which are maintained in alinement by a collar 32 slidably mounted upon said members. The member 31 is provided with a clamp 33 for holding a fan blade 34. The opposite end of the shaft 18 is provided with an opening 35, whereby the fan holder can be mounted upon either end of the shaft or two holders used.

Operation. When the chair is rocked back and forth, a vertical reciprocating movement is imparted to the rod 25, and the roller 24 engaging between the parallel crank arms 21 is adapted to oscillate the shaft 18 and the fan blade 34, said fan blade being located in proximity to the head of the occupant of the chair, whereby the occupant will be fanned while rocking in the chair.

I reserve the right to use my fan in connection with baby carriages, cribs and similar movable instruments.



My fan attachment is constructed of strong and durable metal, and while in the drawings forming a part of this application there is illustrated the preferred embodiments of my invention, I would have it understood that the same can be varied or changed as to shape, proportion and manner of assemblage without departing from the spirit of the invention.

10 Having now described my invention what I claim as new, is:—

1. The combination with a rocking chair, of a bearing plate carried by one of the rockers thereof, arms pivotally mounted  
15 upon said plate, bars pivotally connected together and to said arms, one of said bars having a curved depending end adapted to engage the floor, a vertical tube supported by said chair above said plate, a shaft revolv-  
20 lubly supported by the upper end of said tube, a collar mounted upon said shaft, parallel crank arms carried by said collar, a strap surrounding said shaft and having a right angular extension provided with a

roller for engaging between said parallel 25 crank arms, a rod located in said tube and connecting with said strap and with one of said bars, a fan holder mounted upon the end of said shaft, and a fan blade carried by said holder, substantially as described. 30

2. The combination with a rocking chair, of pivotally mounted bars supported by the rocker of said chair, one of said bars having a curved depending end adapted to engage the floor, a vertical tube supported by said 35 chair, a shaft revolvably supported by the upper end of said tube, a rod located in said tube and connecting with one of said bars for imparting an oscillatory movement to said shaft, and a fan holder detachably 40 mounted upon said shaft.

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

CHARLES H. TOWERS.

Witnesses:

MAX H. SROLOVITZ,  
K. H. BUTLER.