

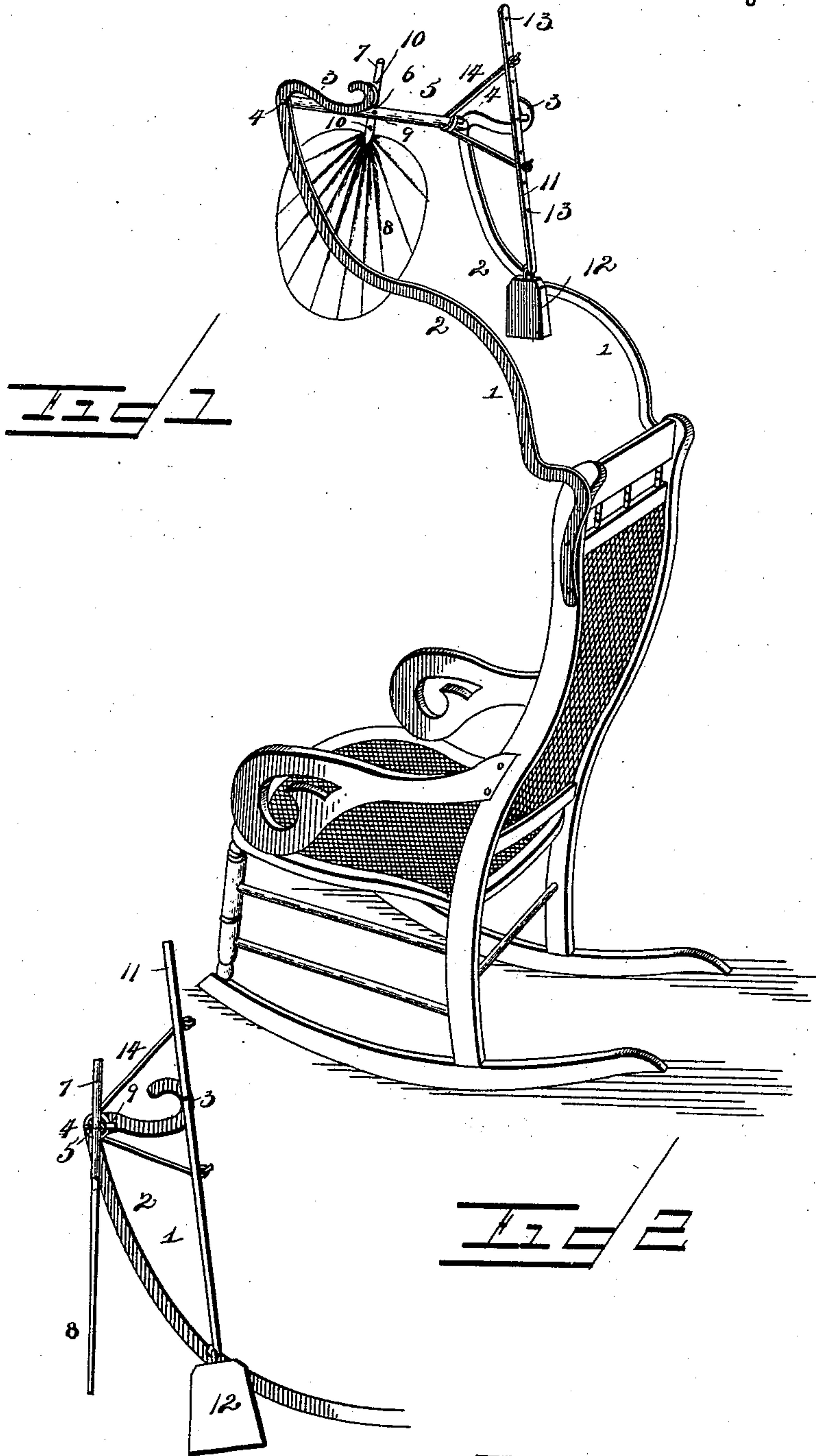
(No Model.)

E. GRIFFITT.

AUTOMATIC FAN ATTACHMENT FOR CHAIRS, &c.

No. 539,510.

Patented May 21, 1895.



Inventor

Emanuel Griffitt.

Witnesses

W. C. Schneider.

By his Attorneys,

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C. A. Snow & Co.



# UNITED STATES PATENT OFFICE.

EMANUEL GRIFFITT, OF TRION FACTORY, GEORGIA.

## AUTOMATIC FAN ATTACHMENT FOR CHAIRS, &c.

SPECIFICATION forming part of Letters Patent No. 539,510, dated May 21, 1895.

Application filed May 29, 1894. Serial No. 512,933. (No model.)

*To all whom it may concern:*

Be it known that I, EMANUEL GRIFFITT, a citizen of the United States, residing at Trion Factory, in the county of Chattooga and State of Georgia, have invented a new and useful Automatic Fan Attachment for Chairs, &c., of which the following is a specification.

My invention relates to an automatic fan attachment for chairs and beds, and has for its object to provide a simple, inexpensive, and efficient device which will enable the occupant to maintain a steady and effective vibration of a fan located in a convenient position to direct the current of air upon the face and head.

Further objects and advantages of this invention will appear in the following description, and the novel features thereof will be particularly pointed out in the appended claim.

In the drawings, Figure 1 is a perspective view of a fan attachment embodying my invention applied in the operative position to a rocking-chair. Fig. 2 is a detail sectional view taken vertically through the roller in the plane of the handle of the fan to show the connection thereof and the means for adjusting the belt to obtain a greater or less movement of the fan.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates a supporting bracket, consisting of the curved arms 2, which are secured at their lower extremities to the side-bars of the back of the rocking-chair, and are thence curved upwardly and forwardly and are provided with terminal horizontal extensions 3. These arms are preferably made in the form of compound curves in order that the front portions thereof may rise approximately in a vertical direction, with the extremities of the extensions 3 located about over the center of the chair, or over the center of gravity thereof.

Journalled in bearings at the angles 4 of the supporting arms is a roller 5, provided at its center with a diametrical socket 6, which is adapted to receive the handle 7, of a fan 8. The fan-handle is closely fitted in the socket and can be passed up or down in the socket so as to adjust the fan to the height of the

occupant and is secured in the socket with a thumb-screw or set-screw.

Pivotaly connected to the rearward extension 3 of one of the supporting arms is an operating lever 11, provided at its lower extremity with a weight 12, and further provided above and below its pivotal point with series of perforations 13. This lever is connected at points above and below the pivotal point to belts 14, which are reeled upon the roller. The ends of said belts which are connected to the roller are arranged out of alignment in order that in operation they may not lie in the same vertical plane and reel one upon the other. The free ends of these belts are connected to the lever 11 by passing them through the perforations 13, and tying. The belts are reeled in opposite directions upon the roller.

This being the construction of my improved fan attachment, it will be understood that in operation the forward and backward movements of the chair cause a corresponding vibration or oscillation of the lever by reason of the weight, such vibration being communicated through the belts to the roller and converted into a rotary motion, which swings the fan in a plane parallel with that of the motion of the chair. By attaching the free ends of the belts to the lever at different distances from the pivotal point of the latter, the extent of vibration of the fan may be regulated.

The arms of the attachment being secured to the side-bars of the chair-back and curving upwardly and forwardly therefrom causes the device to be arranged above the head of the occupant, and inasmuch as the weighted lever is located approximately over the center of gravity of the chair the exertion necessary to operate the fan will not be perceptibly greater than that required in rocking.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having described my invention, what I claim is—

The herein shown and described fan attachment for rocking chairs, comprising similar side arms constructed to be attached at their lower ends to the side standards of the chair

back and having their upper portions curving  
upwardly and forwardly and terminating in  
rearwardly-projecting extensions, a horizon-  
tally-disposed roller journaled at its ends in  
5 the upper extremities of the said curved arms,  
a fan adjustably supported in the roller mid-  
way of its ends, a weighted lever fulcrumed  
between its ends to a rear extension of a side  
arm and having a series of openings above  
10 and below its fulcrum, and a strap passing  
around the roller and having its ends adjust-

ably connected with corresponding openings  
on each side of the fulcrum of the weighted  
lever, substantially as set forth.

In testimony that I claim the foregoing as 15  
my own I have hereto affixed my signature in  
the presence of two witnesses.

EMANUEL GRIFFITT.

Witnesses:

JEROME GRIFFITT,  
M. W. BRYAN.