

C. SWEETSER.

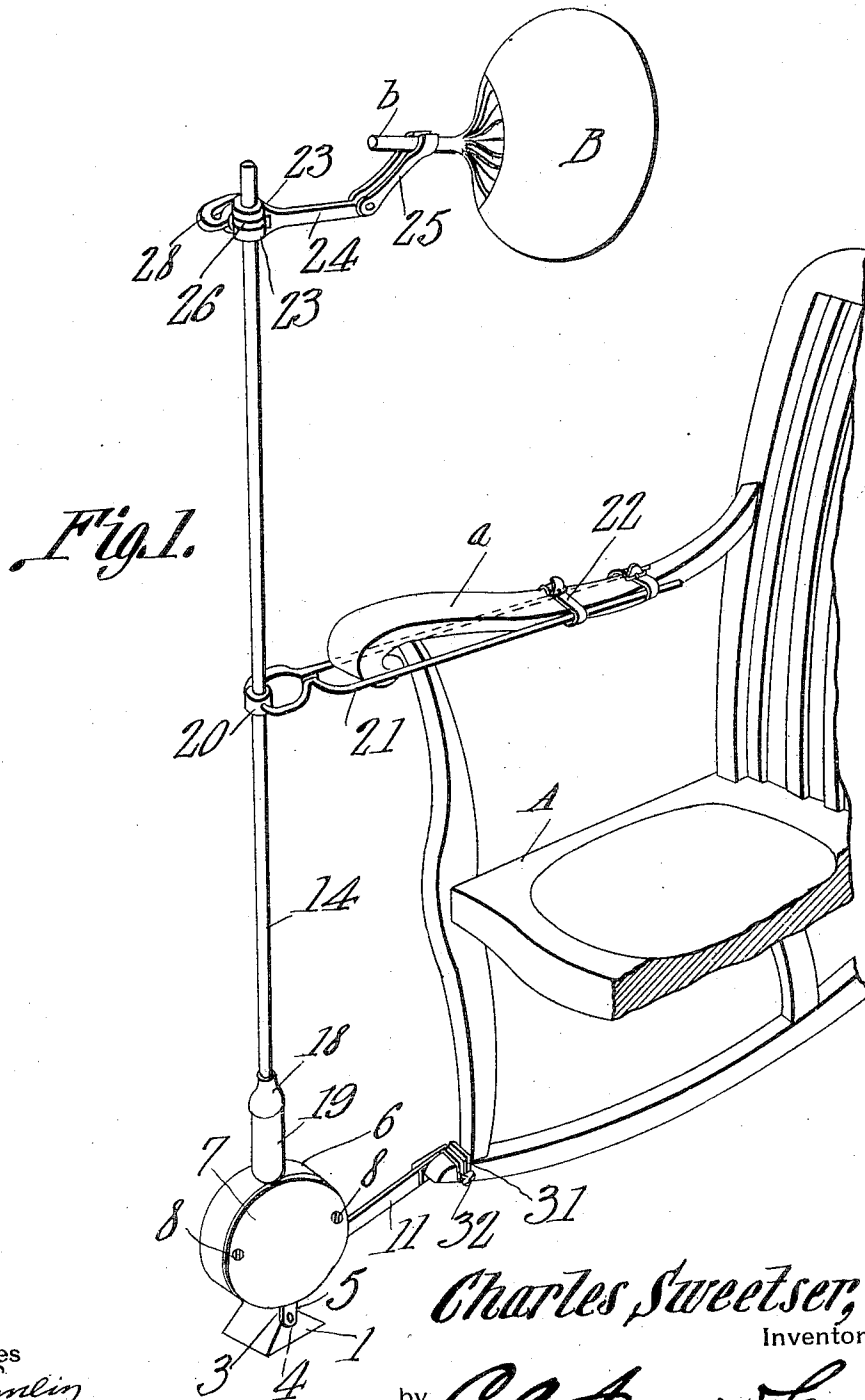
FAN.

APPLICATION FILED APR. 23, 1910.

Patented Oct. 4, 1910.

2 SHEETS—SHEET 1.

971,703.



Witnesses

W. D. Daniel
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Inventor

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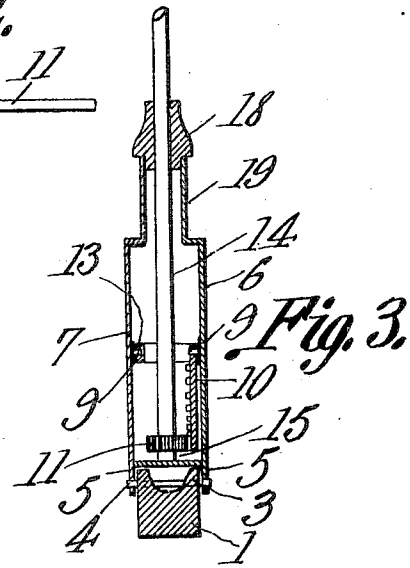
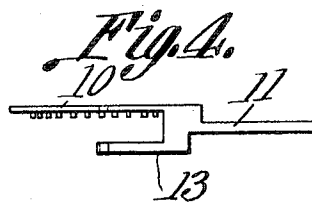
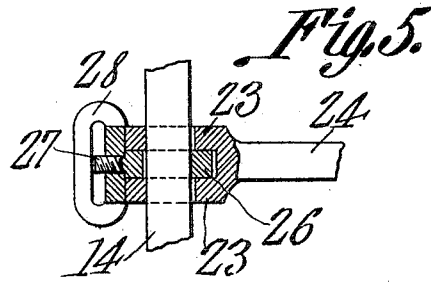
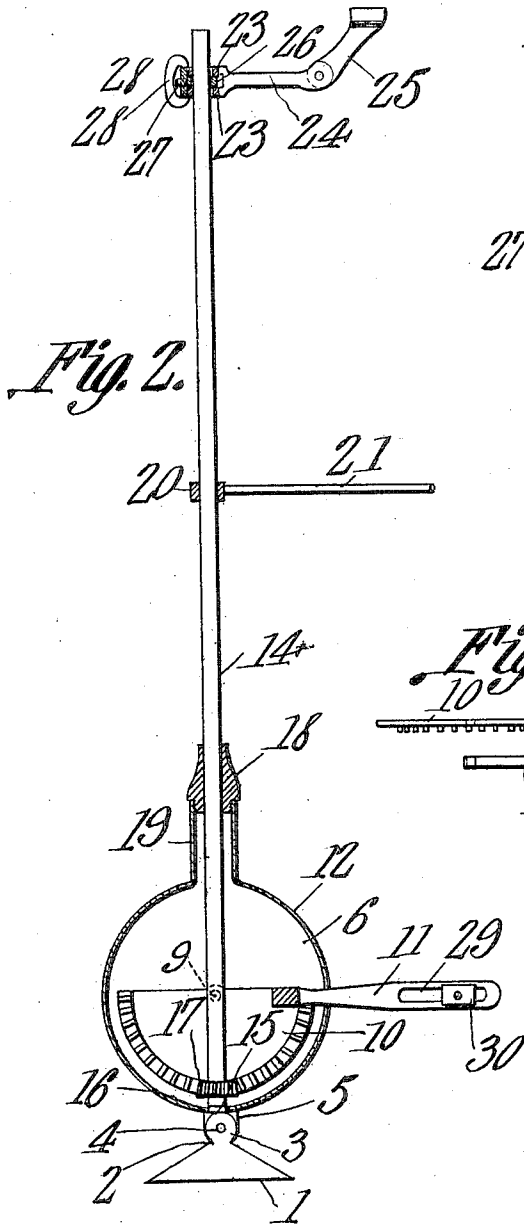
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2 SHEETS-SHEET 2.



Witnesses

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UNITED STATES PATENT OFFICE.

CHARLES SWEETSER, OF SAN ANTONIO, TEXAS.

FAN.

971,703.

Specification of Letters Patent.

Patented Oct. 4, 1910.

Application filed April 23, 1910. Serial No. 557,197.

To all whom it may concern:

Be it known that I, CHARLES SWEETSER, a citizen of the United States, residing at San Antonio, in the county of Bexar and State of Texas, have invented a new and useful Fan, of which the following is a specification.

This invention relates to fan attachments for rocking chairs and its object is to provide a simple, durable and efficient device of this character which can be readily connected to a rocking chair and which can be operated by the occupant of the chair without adding to the exertion necessary to rock the chair.

A further object is to provide an attachment of this character adapted to rest upon the floor but which remains stationary thereon after having been once placed in position, thus preventing wear and tear on the carpet or other floor covering such as is occasioned by the use of rollers and other movable elements.

A further object is to provide a fan attachment which, when placed in position, moves back and forth with the rocker so as to hold the fan constantly in a predetermined position relative to the occupant of the chair.

A still further object is to provide a fan having adjustable means for supporting an ordinary palm leaf fan or the like.

With these and other objects in view the invention consists of certain novel details of construction and combination of parts hereinafter more fully described and pointed out in the claims.

In the accompanying drawings the preferred form of the invention has been shown.

In said drawings, Figure 1 is a perspective view of the fan attachment, the same being shown connected to a rocking chair. Fig. 2 is a vertical section through the attachment, the clamp being removed from the operating arm and only a portion of the upper attaching arm being shown. Fig. 3 is a vertical transverse section through the casing of the attachment. Fig. 4 is a plan view of the segmental gear and a portion of the operating arm extending therefrom. Fig. 5 is an enlarged vertical section through the stand supporting the clamp.

Referring to the figures by characters of reference 1 designates a base block having its end faces preferably converging upwardly to form an apex or ridge 2 from the

ends of which extend ears 3. These ears support a pivot pin 4 on which are mounted ears 5 extending downwardly from the periphery of a cylindrical casing 6. One side wall of the casing is preferably removable and has been shown at 7, any suitable means, as screws 8, being provided for detachably securing this side wall in position.

Inwardly extending alining studs 9 are formed upon the centers of the inner faces of the side walls of the casing 6 and one of these studs is adapted to project into and support a segmental gear 10 from which extends an operating arm 11. The arm is mounted to oscillate within a slot 12 formed within the periphery of the casing 6 and an angular extension 13 is formed upon the segmental gear 10 and the terminal of this extension is adapted to receive the other stud 9. It is to be understood that the terminal of the extension 13 is spaced a sufficient distance from the segmental gear 10 to permit a shaft 14 to extend loosely between said gear and the extension. The lower end of this shaft is reduced as shown at 15 to fit within an opening 16 in the bottom portion of the periphery of casing 6. A gear 17 is secured to the said shaft and meshes with the segmental gear 10. Shaft 14 is journaled within a sleeve 18 which is detachably mounted upon a tubular extension 19 extending radially from the casing 6 at a point diametrically opposite the opening 16. The said shaft extends upwardly any desired distance from this bearing sleeve 18 and has a collar 20 slidably mounted upon it and provided with parallel rods 21 extending therefrom. These rods are adapted to be secured in any suitable manner, as by means of straps 22 or the like, to the arm of a chair as will be hereinafter set forth.

The shaft 14 has spaced collars 23 slidably mounted upon it, these collars being formed integral with an arm 24 on which is mounted a spring clip 25. A ring 26 is mounted on the shaft between the collars 23 and has a threaded stud 27 extending therefrom and engaged by a wing nut 28 or the like. It will thus be seen that when the nut 28 is tightened upon the stud 27 it will pull on the ring 26 and push against the collars 23 thus causing the said ring and collars to act as clamping members to bind tightly upon the shaft 14 and support the arm 24 in any desired position relative to the shaft.

The operating arm 11 is provided with a

longitudinal slot 29 in which is mounted a slide 30. A yoke 31 is pivotally connected to this slide and carries a set screw 32. When it is desired to use this attachment, the block 1 is placed upon the floor or other supporting surface close to and in front of chair A. The yoke 31 is then placed upon the front projecting portion of one of the rockers of the said chair and is fastened to the rocker by means of the set screw 32. Collar 20 is then adjusted longitudinally along the shaft 14 and the rods 21 are attached to the arm *a* of the chair by means of the straps 22 or other fastening devices provided for that purpose. The handle *b* of a palm leaf fan B or the like is then placed in the clip 25 and the arm 24 is adjusted to any desired elevation and also to any desired angle with respect to the vertical plane occupied by the chair arm *a*. After the attachment has thus been adjusted and applied, the occupant of the chair can rock the same in the usual manner. During each backward movement of the chair the front end of the rocker to which the attachment is connected will be elevated and will cause the arm 11 to move upwardly, the slide 30 of course moving longitudinally within the slot 29. During downward movement of the end of said rocker the arm 11 will, obviously, be moved downwardly. This oscillation of the arm 11 will produce a corresponding movement of the segmental gear 10 and gear 17 will therefore be rotated intermittently in opposite directions and cause the arm 24 to swing back and forth and to carry the fan B therewith. As the arm *a* of the chair is connected with shaft 14 by means of rods 21 and collar 20, it will be apparent, of course, that the shaft 14 will be rocked back and forth with the chair so as to maintain the fan B in practically the same relation to the chair at all times. It is of course to be understood that the rods 21 are pivotally connected to the collar 20 so as to permit of this movement.

Various changes can obviously be made in the construction and the arrangement of the parts without departing from the spirit or sacrificing any of the advantages of the invention as defined in the appended claims.

While the fan has been described as particularly designed for use in connection with rocking chairs, it is to be understood that the same can also be attached to cradles and so forth.

What is claimed is:—

1. An attachment of the class described including a base, a casing mounted for swinging movement thereon, mechanism carried by the casing, a fan holder operated by said mechanism, an operating arm extending from said mechanism, and rocker engaging means slidably mounted upon the arm for actuating the mechanism.

2. An attachment of the class described comprising a base, a casing mounted to swing thereon, an oscillatory arm extending from the casing, rocker engaging means slidably mounted upon the arm and constituting means for transmitting motion to the arm from a rocker, and fan operating mechanism operated by said arm.

3. An attachment of the class described including a base, an upstanding shaft mounted for swinging movement relative thereto, a fan holder carried by and movable with the shaft, chair operated means for swinging the shaft relative to the base and vertically oscillating means connected to and actuated by a chair rocker for rotating said shaft.

4. An attachment of the class described including a base, a shaft mounted to swing relative thereto, a fan holder movable with the shaft, a bearing member for attachment to a rocking chair, said shaft being journaled within the bearing member, and vertically oscillating means connected to and operated by the rocker of the chair for rotating the shaft during the rocking or tilting of said chair.

5. An attachment of the class described including a base, a casing tiltably mounted thereon, a shaft journaled within the casing, an actuating gear within the casing, means meshing therewith for rotating the shaft, an arm extending from the casing and movable with the actuating gear, and means slidably engaging said arm and adapted to be detachably connected to a rocker to transmit motion from the rocker to the arm.

6. An attachment of the class described including a base, a casing mounted for swinging movement thereon, a shaft journaled within and movable with the casing, a fan holding device adjustably mounted on the shaft, means adapted to be connected to the arm of a rocking chair for swinging the shaft and vertically oscillating means adapted to be connected to the rocker of a chair for rotating said shaft.

7. An attachment of the class described including a base, a casing mounted for swinging movement thereon, a shaft journaled within and movable with the casing, a fan holding device mounted on the shaft, means for connecting the shaft to a rocking chair to swing said shaft with the chair, shaft rotating mechanism carried by the casing and including an outstanding arm, rocker engaging means slidably mounted on the arm for transmitting motion thereto from the rocker.

8. An attachment of the class described including a base, a casing mounted for swinging movement thereon, a segmental gear mounted in the casing, an arm outstanding from the gear and beyond the casing, a shaft movable with the casing and

actuated by the gear, a fan holder mounted
on the shaft, rocker engaging means mount-
ed on the arm for actuating the segmental
gear, and means for connecting the shaft
5 to a rocking chair to swing said shaft dur-
ing the rotation thereof.

In testimony that I claim the foregoing as

my own, I have hereto affixed my signature
in the presence of two witnesses.

CHARLES SWEETSER.

Witnesses:

FREDERICK REUTZEL,
WM. RENTRO.