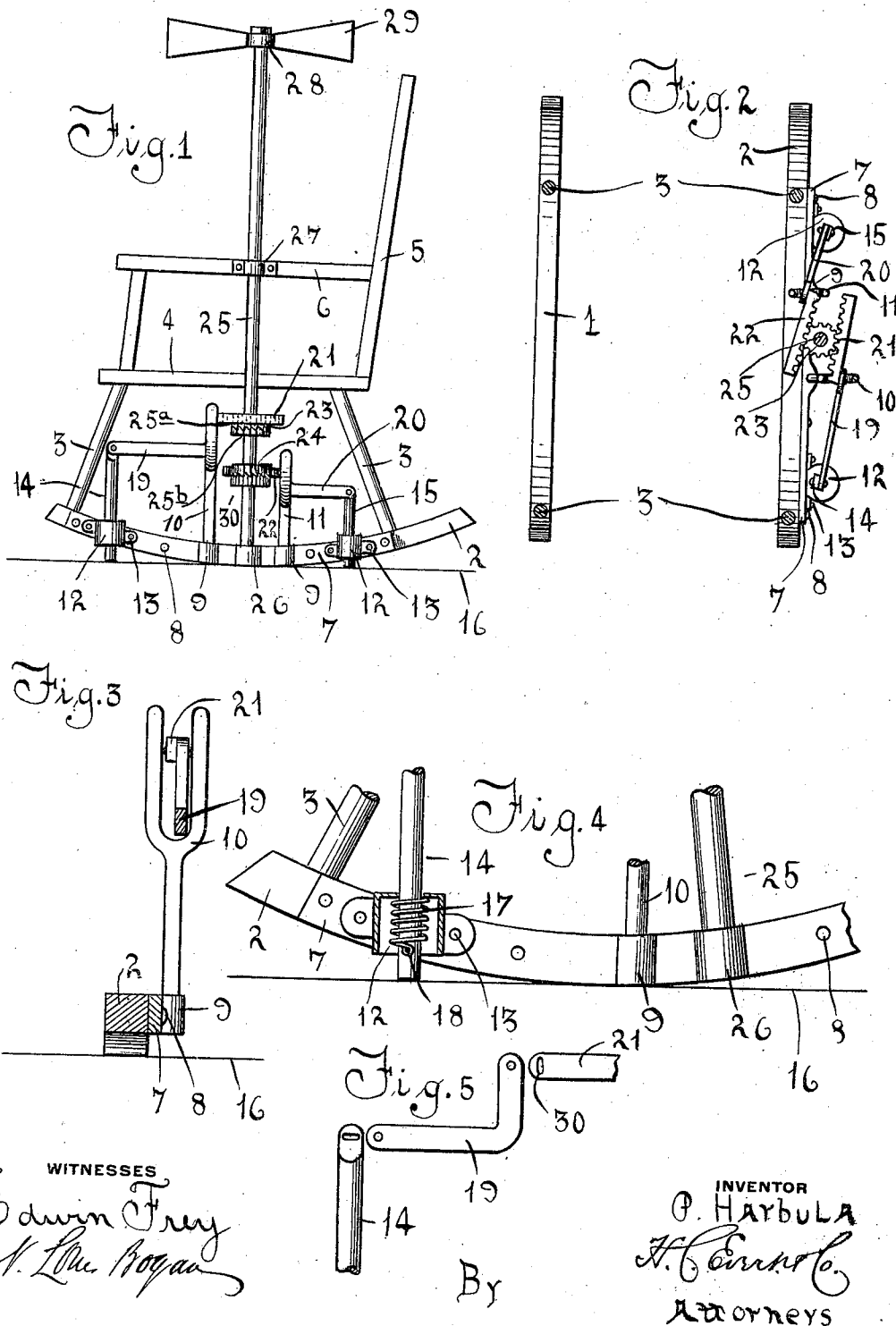


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FAN ATTACHMENT FOR ROCKING CHAIRS.  
APPLICATION FILED AUG. 24, 1910.

983,706.

Patented Feb. 7, 1911.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

PAUL HARBULA, OF AMBRIDGE, PENNSYLVANIA.

FAN ATTACHMENT FOR ROCKING-CHAIRS.

983,706.

Specification of Letters Patent.

Patented Feb. 7, 1911.

Application filed August 24, 1910. Serial No. 578,704.

*To all whom it may concern:*

Be it known that I, PAUL HARBULA, a citizen of the United States of America, residing at Ambridge, in the county of Beaver 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 drawing.

This invention relates to fan attachments for rocking chairs, and the primary object of the invention is to provide a rocking chair with a revoluble fan to which motion will be imparted by an oscillatory movement of the chair.

Another object of the invention is to furnish a rocking chair with a revoluble fan that will set the air in motion in the vicinity of the chair and allow the occupant to comfortably rock without the annoyance of flies or other insects around the chair.

A further object of the invention is to provide a rocking chair with a fan and positive and reliable means for imparting a movement to the fan by an ordinary rocking movement of the chair.

A still further object of the invention is to accomplish the above results by a mechanical construction that is simple, durable, inexpensive to manufacture, free from injury by ordinary use and highly efficient for the purposes for which it is intended.

With the above and such other objects in view as may hereinafter appear, the invention consists in the novel construction, combination and arrangement of parts to be hereinafter specifically described and then claimed.

Reference will now be had to the drawing forming a part of this specification, wherein there is illustrated a preferred embodiment of the invention, but it is to be understood that the structural elements thereof are susceptible to such changes as fall within the scope of the appended claim.

In the drawing:—Figure 1 is a side elevation of a rocking chair in accordance with this invention, Fig. 2 is a horizontal sectional view of the same, Fig. 3 is an enlarged vertical sectional view of a portion of the chair, Fig. 4 is an enlarged elevation of one of the rockers of the chair, and Fig. 5 is a detail illustrating the means for actuating one of the racks.

Like numerals of reference designate corresponding parts throughout the several views of the drawing.

The reference numerals 1 and 2 denote rockers having legs 3 supporting a seat 4 provided with a back 5 and arms 6.

7 denotes curved metallic plates secured to the rocker 2 by screws 8 or other fastening means, said plate having two sockets 9 for vertical bifurcated guides 10 and 11, the guide 10 being of a greater height than the guide 11.

12 denotes guide casings suitably secured to the plate 7, adjacent to the legs 3, as at 13 and movably mounted in these guide casings 12 are actuating rods 14 and 15. These rods have the lower ends thereof resting upon the floor or surface 16, and said rods within the casings 12 are surrounded by coiled compression springs 17 adapted to normally retain the rods 14 and 15 in engagement with the floor or surface 16. The lower ends of the springs 17 are connected to the rods, as at 18 and the upper ends thereof bear against the tops of the casings 12.

19 and 20 denote links pivotally and loosely connected to the upper ends of the rods 14 and 15 respectively, said links extending through the bifurcations of the guides 10 and 11. Secured to the inner ends of the links 19 and 20 are racks 21 and 22 respectively meshing with pinions 23 and 24 respectively mounted upon a vertical shaft 25 journaled in a socket 26, carried by the plate 7 and in a bracket 27, secured to one of the arms 6.

28 denotes a fan mounted upon the upper end of the shaft 25 and having blades 29.

The pinions 23 and 24 are so mounted upon the shaft 25 that when shifted in one direction they will be fixed to the shaft so as to rotate the latter, but can move in a reverse direction without changing the direction of the rotation of the shaft. To provide for the foregoing, the lower face of each of the pinions 23 is provided with a series of teeth 23<sup>a</sup> and which set in a toothed coupling disk 23<sup>b</sup> fixed to the shaft 25. The disks 23<sup>b</sup> couple the pinions 23 to the shaft when the racks are shifted to revolve the shaft 25, but when the racks move in the opposite direction the pinions are free to move around the shaft 25.

The racks 21 and 22 are connected to the inner ends of the links by a pin and slot connection, the slots in the racks being indi-

cated by the reference character 30 and are so disposed that the racks will at all times extend in parallelism with the floor.

When the rocking chair is rocked or oscillated by the occupant thereof, the rods 14 and 15 are normally held in engagement with the floor and due to the rocking movement of the chair the racks 21 and 22 are reciprocated, and as these racks are oppositely disposed with respect to each other and mesh with the pinions 23 and 24 respectively, the shaft 25 will be revolved in one direction.

The simplicity of the fan permits of the same being easily attached to the ordinary type of rocking chair and it contributes to the comfort of the occupant of the chair, particularly in warm weather.

What I claim is:—

The combination with a rocking chair, of a plate secured to one of the rockers of said chair, a bracket secured to one of the arms

of said chair, a shaft revolubly supported by said plate and said bracket, a fan carried by the upper end of said shaft, pinions mounted upon said shaft, racks meshing with said pinions, links connected to said racks, bifurcated guides carried by said plate and supporting said links, rods supported by said plate and pivotally connected to said links, casings carried by said plate and adapted to retain said rods in engagement therewith, and means within said casings for normally holding said rods in engagement with the floor or surface supporting said chair, substantially as, and for the purpose herein described.

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

PAUL HARBULA.

Witnesses:

DAVID FURNIER,  
EVA A. MILNE.