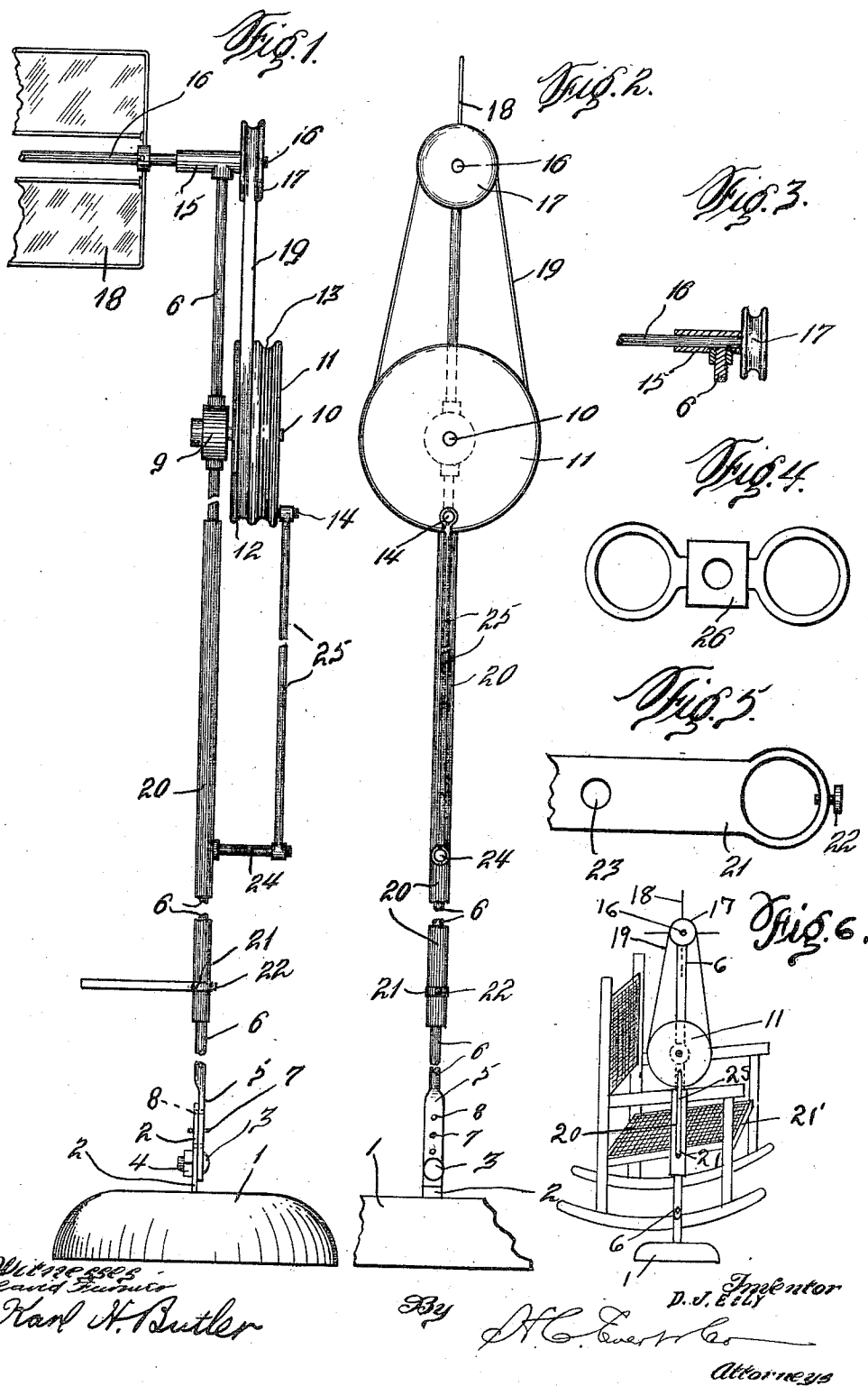


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FAN ATTACHMENT FOR CHAIRS.
APPLICATION FILED JAN. 7, 1910.

973,267.

Patented Oct. 18, 1910.



UNITED STATES PATENT OFFICE.

DAVID JAMES ETLY, OF ROSS TOWNSHIP, ALLEGHENY COUNTY, PENNSYLVANIA.

FAN ATTACHMENT FOR CHAIRS.

Specification of Letters Patent.

Patented Oct. 18, 1910.

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Application filed January 7, 1910. Serial No. 536,943.

To all whom it may concern:

Be it known that I, DAVID JAMES ETLY, a citizen of the United States of America, residing at Ross township, 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 fan attachments for chairs, and the primary object of my invention is to provide a novel attachment for revolving fans in proximity to a person sitting in the chair.

Another object of this invention is to provide an attachment that can be advantageously used in connection with a rocking chair and operated by the rocking or oscillatory movement of the chair.

A further object of this invention is to provide a fan attachment that can be used in connection with various kinds of rocking chairs for producing a breeze or movement of the air in proximity to the head of a person using the chair.

A still further object of the invention is to provide a rocking chair with an attachment for accomplishing the above results, which will be positive in its action, simple in construction, durable and highly efficient for the purposes for which it is intended.

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

Reference will now be had to the drawing forming a part of this specification, wherein there are illustrated the preferred embodiments of the invention, but it is to be understood that the structural elements thereof can be varied or changed without departing from the spirit and scope of the invention.

In the drawing:—Figure 1 is a front elevation of an attachment constructed in accordance with my invention, Fig. 2 is a side elevation of the same, Fig. 3 is a vertical sectional view of a bearing adapted to form part of the attachment, Fig. 4 is an elevation of a detached fan holder, Fig. 5 is a plan of a bracket forming part of the attachment, and Fig. 6 is a view on a reduced scale showing the device attached to a rocking chair.

In the accompanying drawing, the reference numeral 1 denotes a weight or anchoring device adapted to rest upon the floor adjacent to a rocking chair. The weight 1 is provided with a central vertical post 2 and connected to said post by a bolt 3 and a nut 4 is the flattened end 5 of a rod 6. By loosely attaching the lower end of the rod 6 to the post 2, the rod 6 can be oscillated relative to the post, and should it be desired to make the same rigid relative to the post, a pin 7 can be inserted in apertures 8 provided therefor in the post 2 and the flattened end of the rod.

The rod 6 adjacent to the upper end thereof is provided with a bearing 9 for a stub shaft 10 and revolubly mounted on said stub shaft is a grooved pulley 11 having grooves 12 and 13. The outer face of the pulley 11 is provided with a wrist pin 14, for a purpose that will presently appear.

Mounted upon the upper end of the rod 6 is a bearing 15 for a shaft 16 and mounted upon one end of said shaft is a grooved pulley 17, while upon the opposite end of the shaft are mounted fan blades 18. An endless belt or cable 19 is adapted to travel over the grooved pulley 17 and in the groove 12 of the pulley 11.

Slidably mounted upon the rod 6 between the bearing 9 and the lower end of said rod is a sleeve 20 and the lower end of said sleeve is provided with a detachable bracket 21 adapted to engage a portion of the rocking chair C, for instance the seat 21'. This bracket is provided with a set screw 22, whereby it can be adjusted upon the sleeve 20, and with an opening 23 whereby it can be secured by screws or other fastening means to a chair. The sleeve intermediate the ends thereof is provided with a right angular pin 24 and loosely mounted upon said pin is the lower end of a pitman 25 which has the upper end thereof loosely mounted upon the wrist pin 14.

With the lower end of the rod 6 anchored and the bracket 21 secured to the rocking chair, an oscillatory movement of the rocking chair will cause the sleeve 20 to be reciprocated upon the rod 6, it being essential that the pin 7 be removed when the attachment is used in connection with the rocking chair, whereby the rod 6 can move relative to the anchoring device. When the sleeve 20 is reciprocated upon the rod 6, the pulley 11 is revolved through the medium of the

pitman 25 and a rotary movement is imparted to the shaft 16 through the medium of the endless belt or cable 19. The fan blades 18 will then be revolved to set the air in motion in the vicinity of the rocking chair.

Should it be desired to use ordinary palm leaf fans in connection with the shaft 16, a fan holder 26 can be mounted upon the shaft and the handles of palm leaf fans fitted in the holder, one fan projecting from one side of the holder and the other fan from the opposite side.

Should it be desired to use my device in connection with a stationary chair, the rod 6 can be made rigid relative to the anchoring device by placing the pin 7 in position, and then by disconnecting the pitman 25, a belt or cable (not shown) can be placed in the groove 13 of the pulley 11 and the belt or cable operated from a motor or a suitable source of power. For instance, it can be easily coupled to a sewing machine or the like for maintaining a person cool while operating the machine.

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

1. In a fan attachment for chairs, an anchoring device, a rod connected to said de-

vice, a revoluble shaft supported by the upper end of said rod, a fan carried by said shaft, a grooved pulley revolvably supported by said rod, a sleeve slidably mounted upon said rod and adapted to be reciprocated to revolve said pulley, a pitman connecting the sleeve and pulley and means adapted to transmit a revoluble movement to said shaft from said pulley.

2. In a fan attachment for chairs, the combination with a rocking chair, of an anchoring device, a rod connected to said anchoring device, a shaft revolvably supported at the upper end of said rod, fans carried by said shaft, a sleeve slidably mounted upon said rod and adapted to be fixed relative to said rocking chair and reciprocated by a movement of said rocking chair, and means supported by said rod and connecting with said sleeve and adapted to impart a rotary movement to said shaft by an oscillatory movement of said chair.

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

DAVID JAMES ETLY.

Witnesses:

MAX H. SROLOVITZ,
KARL H. BUTLER.