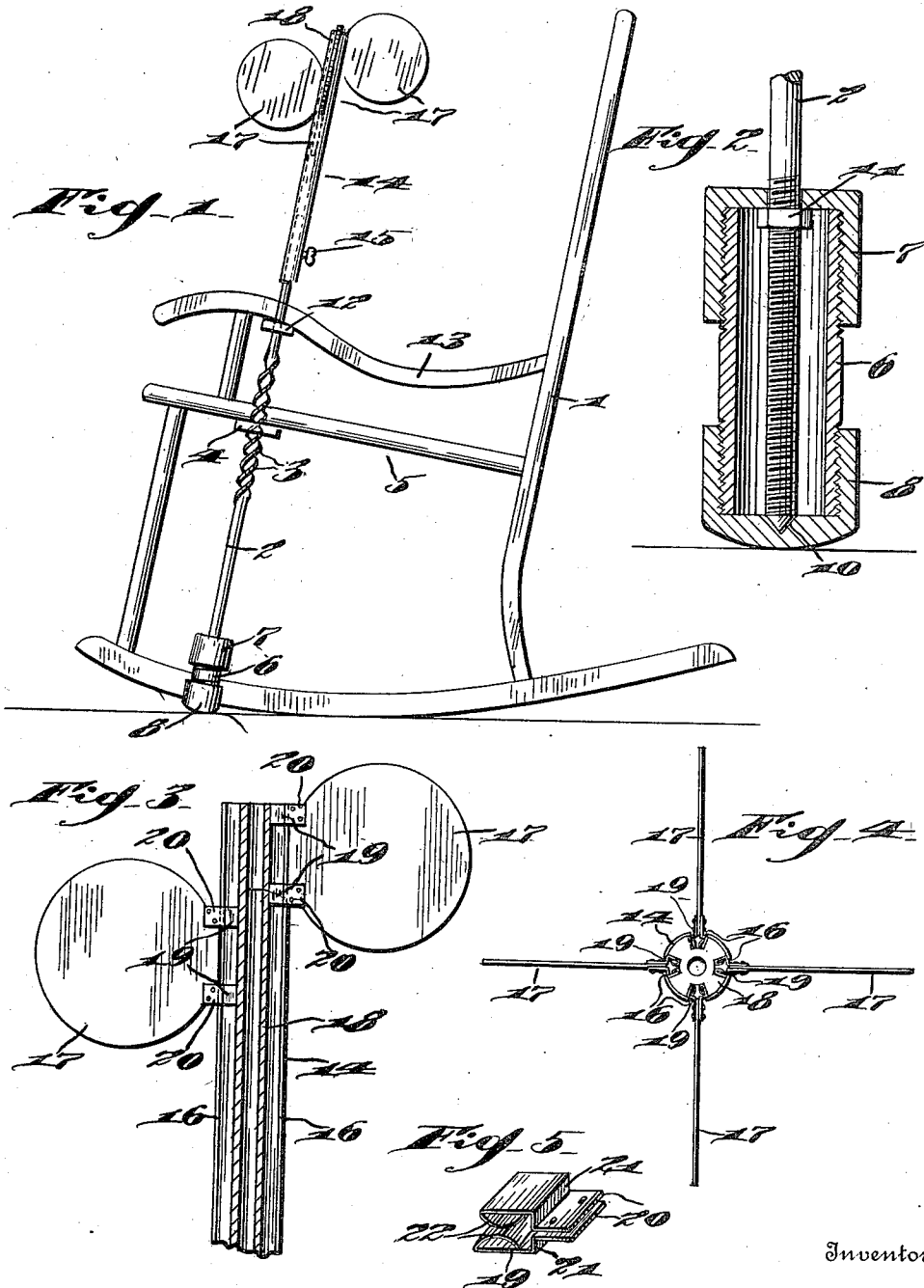


M. HOBIN.
 FAN ATTACHMENT FOR ROCKING CHAIRS.
 APPLICATION FILED APR. 15, 1911.

1,013,879.

Patented Jan. 9, 1912.



Inventor

Witnesses

Thos. Rosenbaum
 R. H. Krentzel

Martin Hobin,

By Joshua R. T. Potts.
 Attorney

UNITED STATES PATENT OFFICE.

MARTIN HOBIN, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO
WILLIAM H. HOBIN, OF INDIANAPOLIS, INDIANA.

FAN ATTACHMENT FOR ROCKING-CHAIRS.

1,013,879.

Specification of Letters Patent.

Patented Jan. 9, 1912.

Application filed April 15, 1911. Serial No. 621,194.

To all whom it may concern:

Be it known that I, MARTIN HOBIN, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Fan Attachments for Rocking-Chairs, of which the following is a specification.

My invention relates to improvements in fan attachments for rocking chairs, the object of the invention being to provide an improved attachment of this character which may be readily secured to any ordinary rocking chair, and which with but very slight exertion on the part of the occupant of the chair, will impart a breeze to said occupant.

A further object is to provide an attachment of this character which can be manufactured and sold at an extremely low cost, and which will effectually perform the functions for which it is intended.

With these and other objects in view, the invention consists in certain novel features of construction and combinations and arrangements of parts as will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings: Figure 1, is a view in side elevation illustrating my improvements attached to a chair. Fig. 2, is a view on an enlarged scale in longitudinal section through the bearing cup. Fig. 3, is a view on an enlarged scale through the upper end of the fan. Fig. 4, is a top plan view of the fan, and Fig. 5, is a detail perspective view of one of the fan holding spring clamps.

1, represents a rocking chair of ordinary construction, to which my improvements are attached, as will now be described. My improvements comprise a rod 2, which is provided at a point between its ends with a spirally threaded portion 3, which projects through a slotted bar 4, secured to the chair seat 5. The lower end of rod 2 is mounted in a bearing cup 6, which comprises a threaded cylindrical portion having cap nuts 7 and 8 at its upper and lower ends respectively. The upper nut 7 is made with an opening to receive the rod, and the lower nut is provided with a thrust bearing 10, to receive the conical end of the rod. Rod 2 is screw-threaded at its lower portion to receive a nut 11 located inside the bearing cup, and tend-

ing to hold the rod in proper thrust engagement at its lower end.

It is to be understood that bar 4 is provided with a slot of such shape that when the chair is rocked, this bar will by reason of the threaded portion 3, compel the bar 2 to revolve in opposite directions, and to further support the rod, a bar 12 is secured to the arm 13 of the chair, and is made with a bearing for the cylindrical portion of the rod.

On the upper end of rod 2, a tube 14 is adjustably secured by means of a set screw 15, and this tube 14 is provided with a circular series of longitudinal slots 16 to accommodate fans 17. A block 18 is fixed in the slotted portion of tube 14, and is recessed forming a plurality of pockets to receive spring clamps 19 as shown in Fig. 5.

Each fan comprises a blade of suitable material, to each of which two clamps 19 as shown in Fig. 5 are secured. Each clamp comprises two sheets of spring metal bent forming perforated ears 20 to be secured to opposite sides of the fan, and then bent angularly as shown at 21, constituting shoulders to snugly fit inside of the slots 16, and elastically held against removal by means of inwardly bowed portions 22, which act as springs to hold the fans at the desired adjustment.

A preferred arrangement is to stagger the fans as shown in Fig. 1, and while I have shown four fans, it is to be understood that I am not limited in the number, nor in their particular arrangement.

In operation, the rocking movement of the chair causes bar 4 to ride up and down rod 2, and impart to said rod an intermittent rotary motion in opposite directions, the fans 17 serving to impart a fan action to the occupant of the chair.

Various slight changes might be made in the general form and arrangement of parts described without departing from my invention, and hence I do not limit myself to the precise details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claims.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

1. An attachment of the character de-

scribed, comprising a rod having a screw-threaded portion, a bearing cup receiving the lower end of the rod, said rod having a thrust bearing in said cup, a nut screwed
 5 onto said rod and against one end of the cup, confining the rod in the cup, said cup comprising a screw-threaded cylinder, and nuts screwed onto the ends of said cylinder, one of said nuts having an opening to receive the rod, and the other a thrust bearing
 10 to receive the end of the rod, and a bar adapted to be secured to a chair and having an opening to receive the threaded portion of the rod, substantially as described.

15 2. An attachment of the character described, comprising a rod having a screw-threaded portion, a bearing cup receiving the lower end of the rod, said rod having a thrust bearing in said cup, a nut screwed
 20 onto said rod and against one end of the cup, confining the rod in the cup, said cup comprising a screw-threaded cylinder, and nuts screwed onto the ends of said cylinder, one of said nuts having an opening to receive
 25 the rod, and the other a thrust bearing to receive the end of the rod, a bar adapted to be secured to a chair and having an opening to receive the threaded portion of the rod, a tube adjustably secured on the upper end
 30 of said rod, and having longitudinal slots therein, fans, and springs secured to said fans and binding in said slots, substantially as described.

35 3. An attachment of the character described, comprising a rod having a screw-threaded portion, a bearing cup receiving the lower end of the rod, said rod having a thrust bearing in said cup, a nut screwed onto said rod and against one end of

the cup, confining the rod in the cup, 40 a bar adapted to be attached to a chair and having an opening engaging the screw-threaded portion of the rod, a tube adjustably secured on the upper end of said rod and having longitudinal slots therein, fans, 45 and springs secured to said fans and binding in said slots, said springs comprising two sheets of spring metal bent forming perforated ears secured to opposite sides of the fans, bent angularly to engage within the 50 slots, and curved inwardly at their free ends, substantially as described.

4. An attachment of the character described, comprising a rod having a screw-threaded portion, a bearing cup receiving 55 the lower end of the rod, said rod having a thrust bearing in said cup, a nut screwed onto said rod and against one end of the cup, confining the rod in the cup, said cup comprising a screw-threaded cylinder, and 60 nuts screwed onto the ends of said cylinder, one of said nuts having an opening to receive the rod, and the other a thrust bearing to receive the end of the rod, a bar adapted to be secured to a chair and having an opening 65 to receive the threaded portion of the rod, a tube adjustably secured on the upper end of said rod, and having longitudinal slots therein, fans, and springs secured to said fans and binding in said slots, substan- 70 tially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

MARTIN HOBIN.

Witnesses:

R. H. KRENKEL,
 CHAS. E. POTTS.