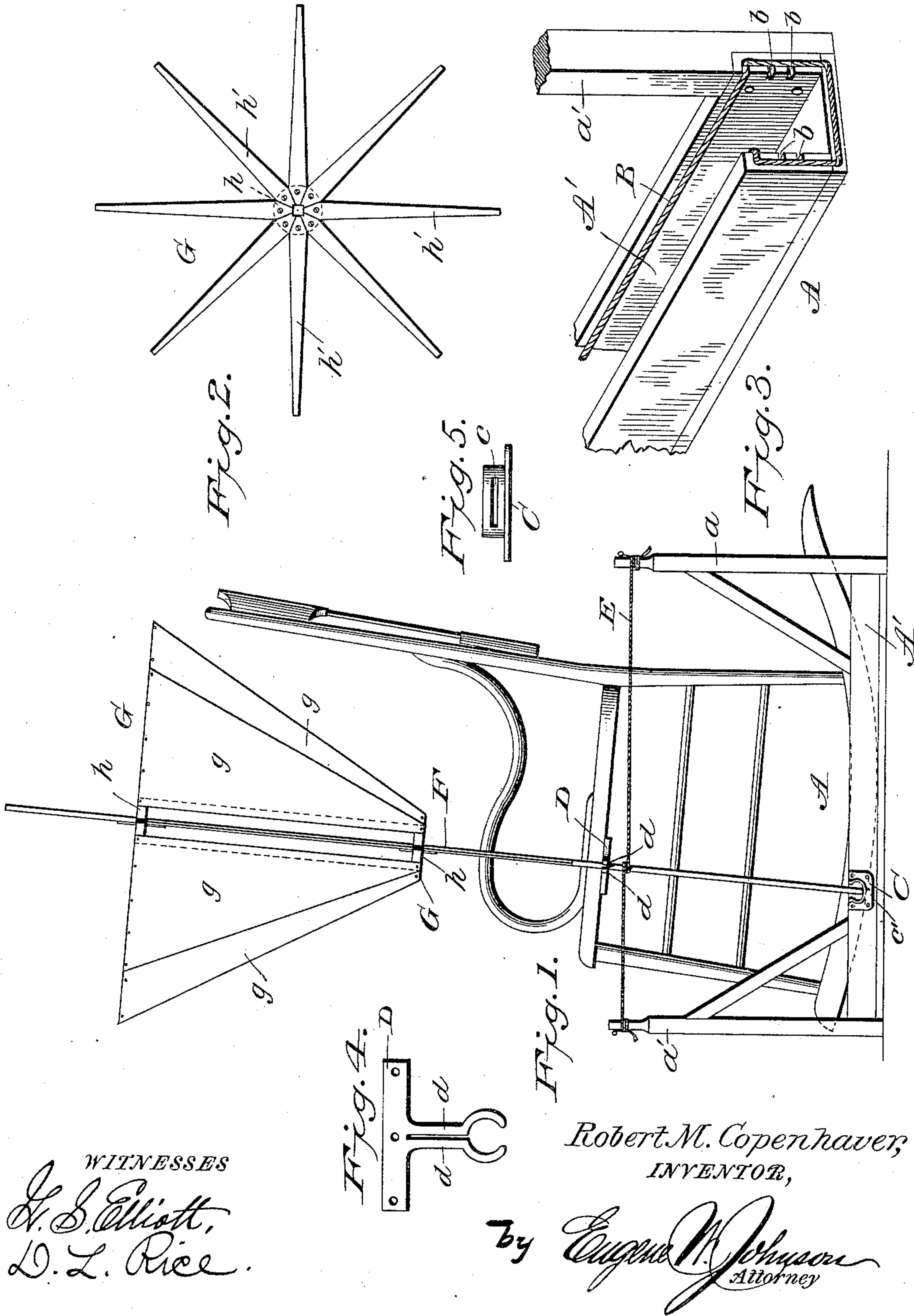


(No Model.)

R. M. COPENHAVER.
FAN ATTACHMENT FOR ROCKING CHAIRS.

No. 604,519.

Patented May 24, 1898.



UNITED STATES PATENT OFFICE.

ROBERT M. COPENHAVER, OF BLACK ROCK, ARKANSAS.

FAN ATTACHMENT FOR ROCKING-CHAIRS.

SPECIFICATION forming part of Letters Patent No. 604,519, dated May 24, 1898.

Application filed October 21, 1897. Serial No. 655,880. (No model.)

To all whom it may concern:

Be it known that I, ROBERT M. COPENHAVER, a citizen of the United States of America, residing at Black Rock, in the county of Lawrence and State of Arkansas, have invented certain new and useful Improvements in Fan Attachments for Rocking-Chairs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in fan attachments for rocking-chairs, the object being to provide a cheaply-constructed and efficient fan attachment which can be readily applied to rocking-chairs, cribs, and similar structures, so that when said object is rocked the fan will be operated automatically; and my invention consists in the special construction and organization of the parts, as will be hereinafter fully set forth, and specifically pointed out in the claims.

Figure 1 is a side elevation of a rocking-chair, showing my improved fan attachment applied thereto. Figs. 2, 3, 4, and 5 are detail views of the parts detached.

A refers to a frame comprising a trough A', to the ends of which are secured posts a a', braces also being provided which extend from the posts to the outer side pieces of the trough. The trough in which the rocker of the chair is placed is made up of a base-piece to which are attached the vertical sides, said side pieces having at the ends a plurality of recesses b, which are adapted to receive a cord B or other suitable strip which will prevent the sides of the rocker coming in contact with the side pieces of the trough, so as to prevent abrasion and noise. If desired, a second or intermediate cord or packing may be attached to the side pieces, and when attached thereto the ends are intended to lie in the intermediate notches or recesses b b. The cord when applied as shown will extend over the end of the trough and may be secured thereto by staples or otherwise. The outer side piece of the trough has attached thereto a fixture C, made up of a plate having an out-

wardly-projecting portion with upturned ends, and a slot c, with which engages the lower end of the staff upon which the fan is mounted, so that said staff may oscillate in the fixture, a screw or pin c' passing through the slot and engaging with the staff.

To the rocking-chair, preferably to the under side of the seat, is secured a clamp D, having a pair of outwardly-projecting arms d, the ends of which are curved and rounded so as to embrace the staff, and said staff can be placed in engagement with the rounded portion of the arm by forcing the staff between the engaging ends, so as to cause them to spring outwardly until embraced by the rounded ends. The staff which carries the fan is actuated by a cord or flexible connection E, one end of which is secured to one of the posts of the frame A, it being wrapped several times around the staff below the clamp D, the opposite end being secured to the other post, so that as the chair is rocked a rotary motion will be imparted to the staff, which changes or is reversed with each direction of movement of the rocker.

The staff F may carry a fan of any construction; but the form of fan that I prefer to use as giving the best result is one which is made up of substantially triangular sections g of fabric which are secured at their apexes and bases to frames G G', each frame being of similar construction though different in size, and these frames comprise a central hub h, to which is secured a plurality of radiating arms h', to which the pieces of fabric g are tacked or otherwise secured. The hubs are secured to the staff in any suitable manner, so that the fan can be raised and lowered on the staff or can be readily removed therefrom when desired, spring clips or wedges answering the purpose.

It will be noted that by the construction hereinbefore described the staff may have a longitudinal movement in the clamp D, which loosely embraces the same, and that it may also have a rotary and swinging movement in the fixture C, carried by the trough, and that as there is a flexible connection between the chair and the frame it is not necessary to adjust the parts when placed in engagement with each other.

Having thus described my invention, what

I claim as new, and desire to secure by Letters Patent, is—

1. In a fan attachment for rocking-chairs, the combination with the chair having at-
5 tached thereto a clamp with outwardly-pro-
jecting arms, a staff with which the outer
ends of the arms engage, of a trough for the
reception of the rocker, a bearing or fixture
carried by the trough with which the lower
10 end of the staff engages, and posts having a
flexible connection which engages with the
staff between its points of connection with
the chair and frame, substantially as shown.

2. In combination with a rocking-chair, a
15 staff carrying a fan, a frame with which the

rocker is adapted to engage, said frame hav-
ing a bearing in which the lower end of the
staff is loosely fulcrumed, a clamp carried by
the chair and provided with outwardly-pro-
jecting spring-arms; together with a cord or 20
flexible connection carried by the frame for
engagement with the staff, substantially as
shown and for the purpose set forth.

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

ROBERT M. COPENHAVER.

Witnesses:

S. H. EDMONDSON,
B. J. MARTIN.