

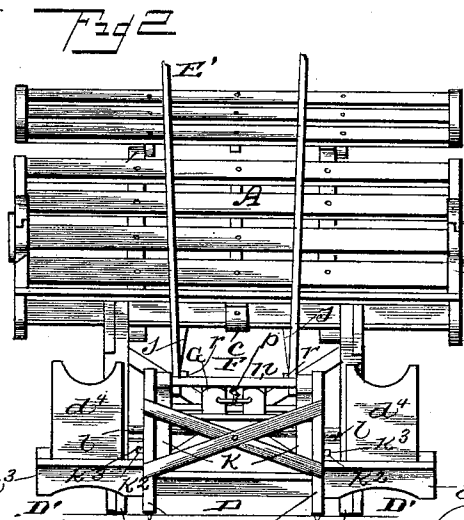
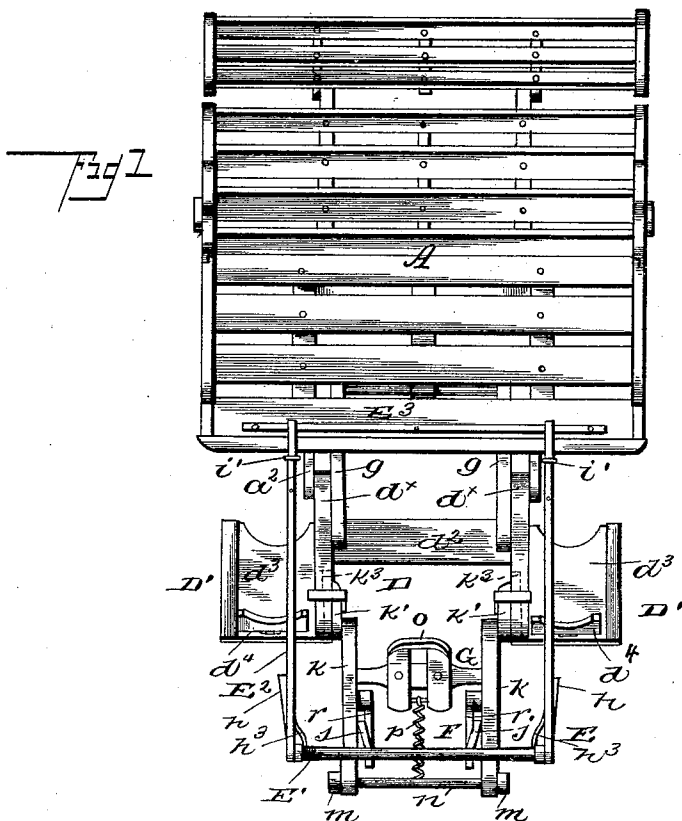
(No Model.)

2 Sheets—Sheet 1.

A. P. NICHOLS.
FAN ATTACHMENT FOR CHAIRS.

No. 484,603.

Patented Oct. 18, 1892.



Witnesses

John D. Smith
A. C. Rawlings

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By *Attorneys*

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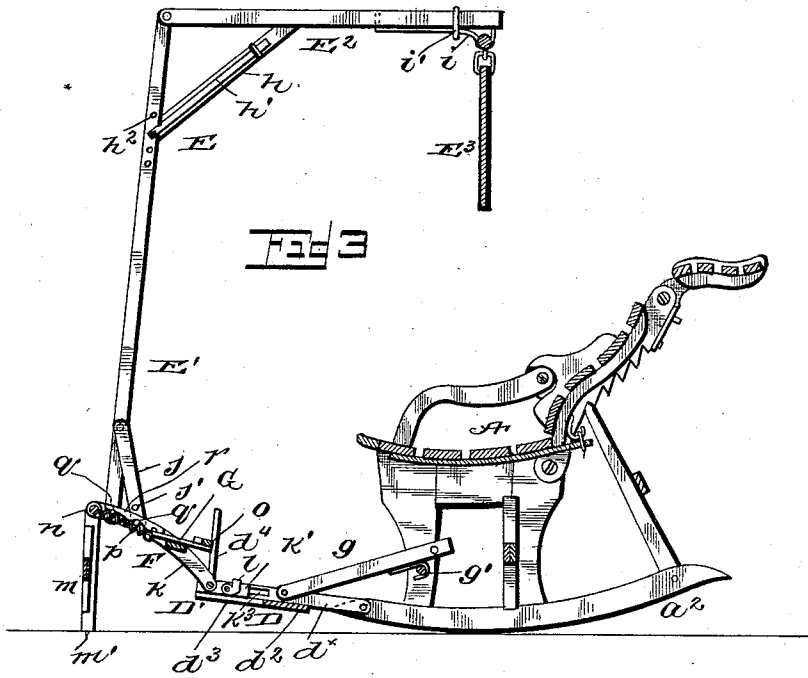


Fig. 3

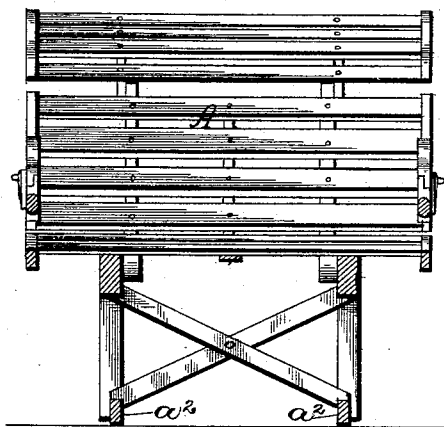


Fig. 4

Witnesses

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UNITED STATES PATENT OFFICE.

ABEL P. NICHOLS, OF JORDAN VILLAGE, ASSIGNOR OF ONE-HALF TO
WILLIAM H. TROTH, OF VANDALIA, INDIANA.

FAN ATTACHMENT FOR CHAIRS.

SPECIFICATION forming part of Letters Patent No. 484,603, dated October 18, 1892.

Application filed November 6, 1891. Serial No. 411,089. (No model.)

To all whom it may concern:

Be it known that I, ABEL P. NICHOLS, a citizen of the United States of America, residing at Jordan Village, in the county of Owen and State of Indiana, 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 drawings.

My invention relates to certain improvements in adjustable reclining-chairs and fan attachments for chairs; and it consists in the detailed construction and combination of parts, substantially as hereinafter fully set forth, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a plan view showing the application for use of my fan attachment to a rocking-chair. Fig. 2 is a broken front elevation thereof. Fig. 3 is a sectional elevation, and Fig. 4 a cross-sectional view thereof.

D is a foot-rest support having the inner ends of its side bars d^x pivoted to the inner sides of the rockers d^2 of the chair A at their forward ends to permit it to fold up against the front of the chair when out of use. The foot-rest support D is provided with connected pivoted arms g , having projecting from their under side hooks g' , adapted to engage the round of the front legs, and thus retain the foot-rest support in position for use at about the same angle with the rockers.

D' D' are the foot-rests, comprising a board d^2 , secured to the under side and crosswise of the side bars d^x and having, preferably, integral therewith the lateral extensions or foot-rests proper d^3 , arranged outside of said side bars and having hinged or pivoted to it at their forward edges the heel-rests d^4 , the inner or rear edges of both the foot-rests proper and the heel-rests being curved or concaved.

E is the fan attachment, comprising standards E' , to the upper ends of which are pivoted or jointed arms E^2 , held adjustable thereto to vary their angle of disposition, as also that of the fan, with relation to the inclination of the chair and its occupant by means of braces h , pivoted to said arms and carrying flat springs h' , said braces being adapted to engage a series of two or more pins or pro-

jections h^2 , one series being on each standard E' on one side, and said springs being adapted to press against the opposite sides of the standards, and thus retain the braces upon said pins or projections. The arms E^2 carry at their outer ends the fan E^3 , whose shaft is hung in spring loop-ended bearings i , having their inner ends secured in the arms and clasped to said arms by rings i' , adapted to slip over said arms and straight portions of said bearings. This arrangement, it will be thus seen, permits the ready removal of the fan and one of a different size to be substituted in lieu thereof, as may be required.

The standards E' E' are provided near their lower ends with pivoted braces j , both of whose lower ends and those of the braces are provided with apertures j' , two or more in each, to provide, primarily, for the connection of the same to the fan-actuating contrivance, and, secondarily, for the adjustment of the standards at the required angle to the chair.

F is the fan-actuating contrivance, consisting of the side bars k , pivoted at their inner ends to slides k' , having tongues k^2 , fitting in grooves k^3 in the side bars d^x of the foot-rest support D, said slides being held in position by clamps l , pivoted thereto and adapted to engage said side bars d^x , and of framed-together legs m , whose lower ends may terminate in pins or projections m' to prevent the slipping thereof, while to a cross bar or rod n , connecting the upper ends of said legs, are pivotally connected the outer forward ends of the bars k . The sliding connection k' , between the treadle-carrying bars k and the foot-rest support D, provides for accommodating the length of the limbs of the occupant of the chair.

G is the treadle of the fan-actuating contrivance F, having the heel-rest o at its rear edge and mounted or fixed upon a rocking bar pivoted in and between the side bars k , and this treadle has spring connection p with the cross-rod n of the legs m , and by actuating which by the foot the fan is operated.

Projecting from the inner sides of the side bars k are pins or projections q , which are designed to engage the apertures j' in the lower ends of the standards E' and their braces j ,

and upon which the latter are held by the short binding levers or clamps *r*, pivoted to the inner sides of said side bars *k* and adapted to engage said standards and braces.

5 When the fan attachment is not in use, it will be seen that by detaching or removing the fan-supporting standards the treadle or fan actuating mechanism can all be folded up under the chair out of the way, and the
10 chair thus be prevented from presenting an unsightly appearance, as would otherwise be the case.

When it is desired to operate the fan, it is only necessary for the occupant of the chair
15 to place one foot upon the treadle *G*, the other foot resting upon its respective foot-rest *D'*, and impart the required movement to said treadle, in turn operating the fan-actuating contrivance *F*, the rocking action of the chair
20 facilitating the action of the foot placed upon the treadle, and the pivoted side bars *k* and legs *m* accommodating the rocking action of the chair to which they are connected and yet permit the retention of the fan attachment in
25 an upright position.

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

30 1. In a fan attachment for chairs, the combination, with the foot-rest support connected to the chair-rockers, of the treadle-carrying bars connected to slides clamped or held to

said foot-rest support, substantially as set forth.

2. In a fan attachment for chairs, the combination, with the foot-rest support connected to the rockers of the chair, of the treadle-carrying bars having the inwardly-projecting pins or projections and the binding levers or clamps, and the fan-supporting standards
40 adapted with their braces to be engaged by said pins or projections and levers or clamps, substantially as set forth.

3. In a fan attachment for chairs, the combination, with the treadle or fan-actuating
45 contrivance, of the standards carrying fan-bearing arms provided with braces adapted to be adjustably connected to said standards and with springs adapted to engage said standards and hold the braces upon said standards,
50 substantially as set forth.

4. In a fan attachment for chairs, the combination, with the treadle or fan-actuating contrivance, of the standards carrying the fan-bearing arms provided with the spring loop-
55 ended bearings, in combination with the fan and its shaft, and the rings engaging said arms and bearings, substantially as set forth.

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

ABEL P. NICHOLS.

Witnesses:

JOHN E. BROWN,

WM. J. ROBERTSON.