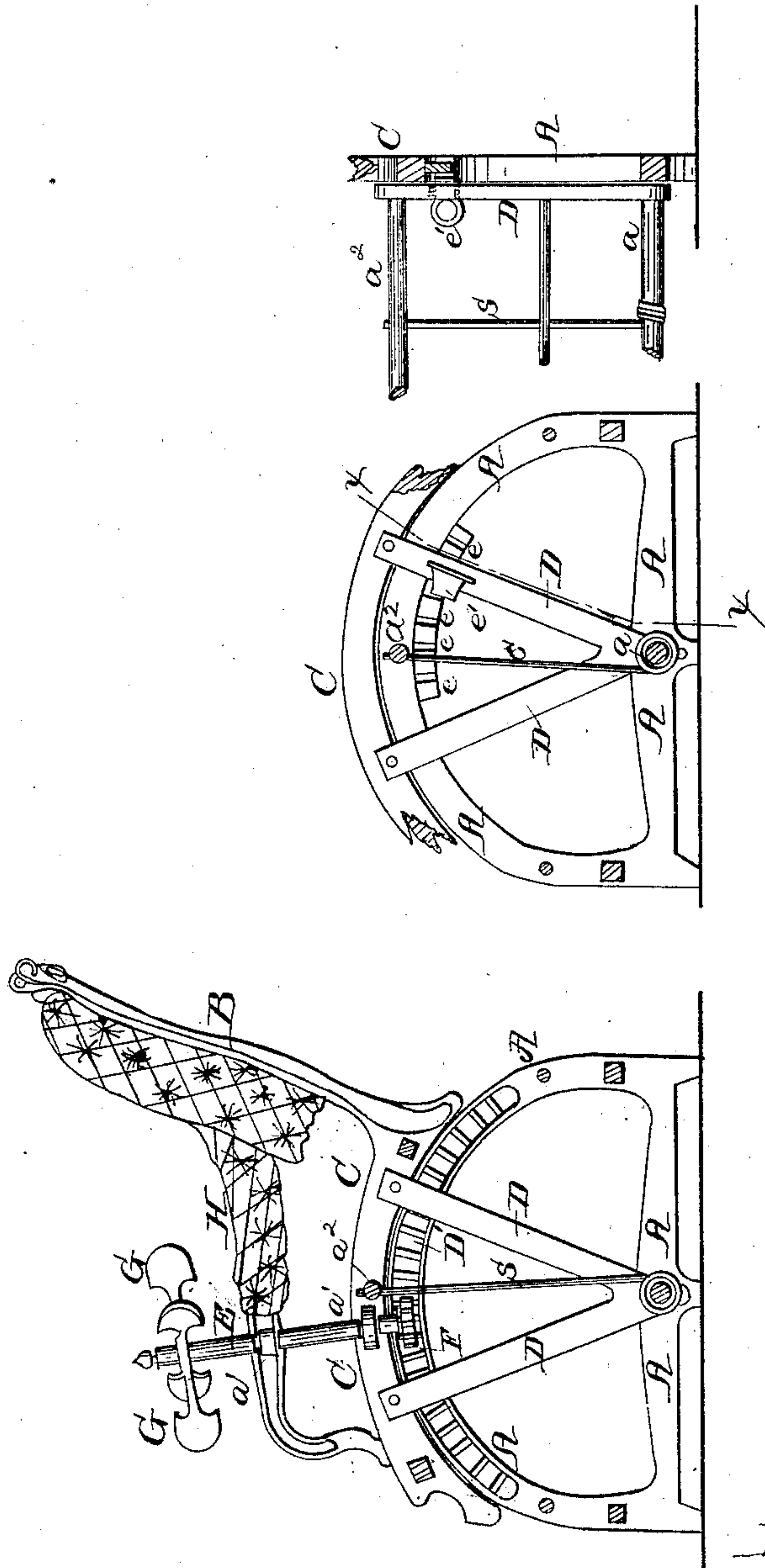


Hobbs & Wright

Rocking-Chair Fan-Attachment.

N^o 76452.

Patented Apr. 7, 1868.



Witnesses;
W. C. Aschmitt
Theo Fische

Inventor;
Angt. R. Hobbs
Nathl F. Wright
per Munn & Co.
Attorneys

United States Patent Office.

AUGUSTUS R. HOBBS AND NATHANIEL F. WRIGHT, OF ELIZABETHPORT,
NEW JERSEY.

Letters Patent No. 76,452, dated April 7, 1868.

IMPROVED FANNING-CHAIR.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that we, AUGUSTUS R. HOBBS and NATHANIEL F. WRIGHT, of Elizabethport, in the county of Union, and State of New Jersey, have invented a new and improved Fanning-Chair; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming a part of this specification.

This invention relates to a new and improved method of constructing chairs, whereby the same are convertible, at pleasure, into rocking or fixed chairs, and whereby a fan is made to rotate by the rocking of the chair, thereby greatly increasing the comfort of the occupant. It consists of a back and a seat of a chair, being supported by an arm, in the form of a sector of a circle, pivoted to the centre of a bar on the sides, and between two of the legs of the same, a rack being attached to the frame or fixed part of the chair, in which fits a pinion, attached to an upright shaft, rotating in suitable bearings on the seat and arm of the chair, whereby, when the chair is rocked, a rotating motion is given to fans on the upper end of said shaft, said fans being so situated and arranged as to fan the occupant of the chair in every position of the same while rocking. It consists, also, of a pin, attached to the seat of the chair, which engages in notches or their equivalent in the frame of the chair, and holds the back and seat in any desired position in the rocking movement of the same. It consists, also, in the backward movement of the seat and back bearing against the force of a spring, whereby said back and seat, after being rocked back, will, when left free, return to its former place again. In the accompanying plate of drawings—

Figure 1 is a side view of my invention.

Figure 2 is a detail inside view of a part of the frame or support of the chair, showing the manner of securing the back in any desired position in the movement of the same.

Figure 3 is a sectional view of the same, taken in the line *x x*, fig. 2.

Similar letters of reference indicate corresponding parts.

A is the frame or support of the chair; B is the back; C is the seat; D is an arm, pivoted to the frame A by the pivots *a*, and secured by the other end to the seat C; D' is a rack, in the form of arc of a circle, attached to frame A; E is an upright shaft; F is a spur-gear pinion on the same; G is a fan on the same; *a*¹ are bearings, in which shaft E rotates; H is the arm of the chair; *a* is a rock-shaft, on which arm D rocks; S is a spring on shaft *a*, being on a rod on the under side of seat C; *a*² is a rod in seat C; *e* are notches in the frame A, to receive the pin *e*'; *e*' is a pin, to secure the back and seat in the required position. The frame is made of wood or other suitable material, in two parts or sides, joined together by rounds or slats in the usual manner, said sides being in the form of an arc of a circle on the upper part, whose centre is the centre of the rock-shaft *a*. The back, B, and seat C are rigidly secured together, at right angles to each other, or thereabouts, and are made of wood or other suitable material, upholstered and cushioned in the ordinary way. The frame of the seat C is curved, so as to conform exactly to the frame A, as shown in the drawing. The arm H is made of like material, and is secured to the seat C and back, B, and is upholstered in the same way as the arms of chairs now commonly in use. In the centre of the frame A, and near the bottom of the same, and rocking in suitable bearings on a part of said frame, and extending across the said frame A, from one side to the other, is a rock-shaft, *a*. The rock-shaft *a* is made of iron, and extends beyond the frame A, on either side, so as to receive the arm D. The arm D is made of iron, having two branches in the form of the letter V. Said arms D are firmly keyed to said rock-shaft *a*, one arm in each end of said shaft *a*, so as that said arms D shall stand in nearly a vertical position, and are exactly opposite to each other. The arms D are keyed to shaft *a*, at or near the junction of the two branches of the same, said branches being radii of a circle, whose centre is the centre of the rock-shaft *a*. The seat S is secured to the arms D on each side, in such a manner as to permit to the said seat a rocking motion on said frame A, the arms D being provided with two branches, so as that the seat C may be more rigidly secured to said arms D. Upon the inside of one part of the frame A, secured thereto firmly by suitable screws, is a curved rack, D'. Upon the seat C, and upon one of the arms H, and rotating in suitable bearings, *a*¹, on the same, and on the inside of the arm H, is a vertical metallic shaft, E,

having a spur-gear pinion keyed to the lower end thereof, so as to fit into the teeth of the rack D', and so that, by rocking the back, B, and seat C of the chair, the shaft E will be rotated in one direction by the forward movement of the back, B, and in the opposite direction by the backward movement of the same. Upon the upper end of the shaft E, and keyed thereto, are four or more fans, G, arranged around the shaft E, which, being rotated by the shaft E, produce currents of air to cool and comfort the occupant of the chair. Secured to the rock-shaft α , and near the centre of the same, and wound several times around the same, is a spring, S, which, extending from said shaft α upward, rests against a rod, α^2 , attached to the seat C, the object of the same being that the backward motion of the back, B, may be against the force of the spring S, or such as that, when the occupant has rocked back in the chair, he will be rocked forwards by the force of said spring S. In the frame A, and in any convenient position near the top of the same, are any convenient number of notches, e , and upon one of the branches of one of the arms D is a pin or catch, e' , which, engaging in the notches e , holds the back and seat of the chair in any desired position in the rocking movement of the same, or any other known device may be substituted for said pin and notches e , as an equivalent therefor.

The operation is readily seen from the drawings and the above description. Constructed as above described, it constitutes a neat and comfortable rocking or stationary easy-chair, the advantages of which are, that the occupant, while rocking, may be fanned and cooled, and freed from the unwelcome intrusion of flies or mosquitoes, and that the same may be held in any desired position in the rocking movement of the same.

Having described our invention, we claim as new, and desire to secure by Letters Patent—

1. A rocking-chair, operating the fans G, substantially as shown and described, and for the purposes set forth.

2. The back, B, and seat C, in combination with the arms D, and rock-shaft α , and spring S, and frame A, substantially as shown and described, and for the purposes set forth.

3. The arms D, in combination with the notches e , and pins e' , and seat C, substantially as shown and described, and for the purposes set forth.

4. The curved rack D' and frame A, in combination with the pinion F, and shaft E, and fans G, and the seat C, substantially as shown and described, and for the purposes set forth.

The above specification of our invention signed by us, this 23d day of November, 1867.

AUGUSTUS R. HOBBS,
NATH'L F. WRIGHT.

Witnesses:

WM. F. McNAMARA,
ALEX. F. ROBERTS.