

No. 707,040.

Patented Aug. 12, 1902.

N. F. WARLICK.
FAN OPERATING DEVICE.

(Application filed Feb. 19, 1902.)

(No Model.)

Fig. 1.

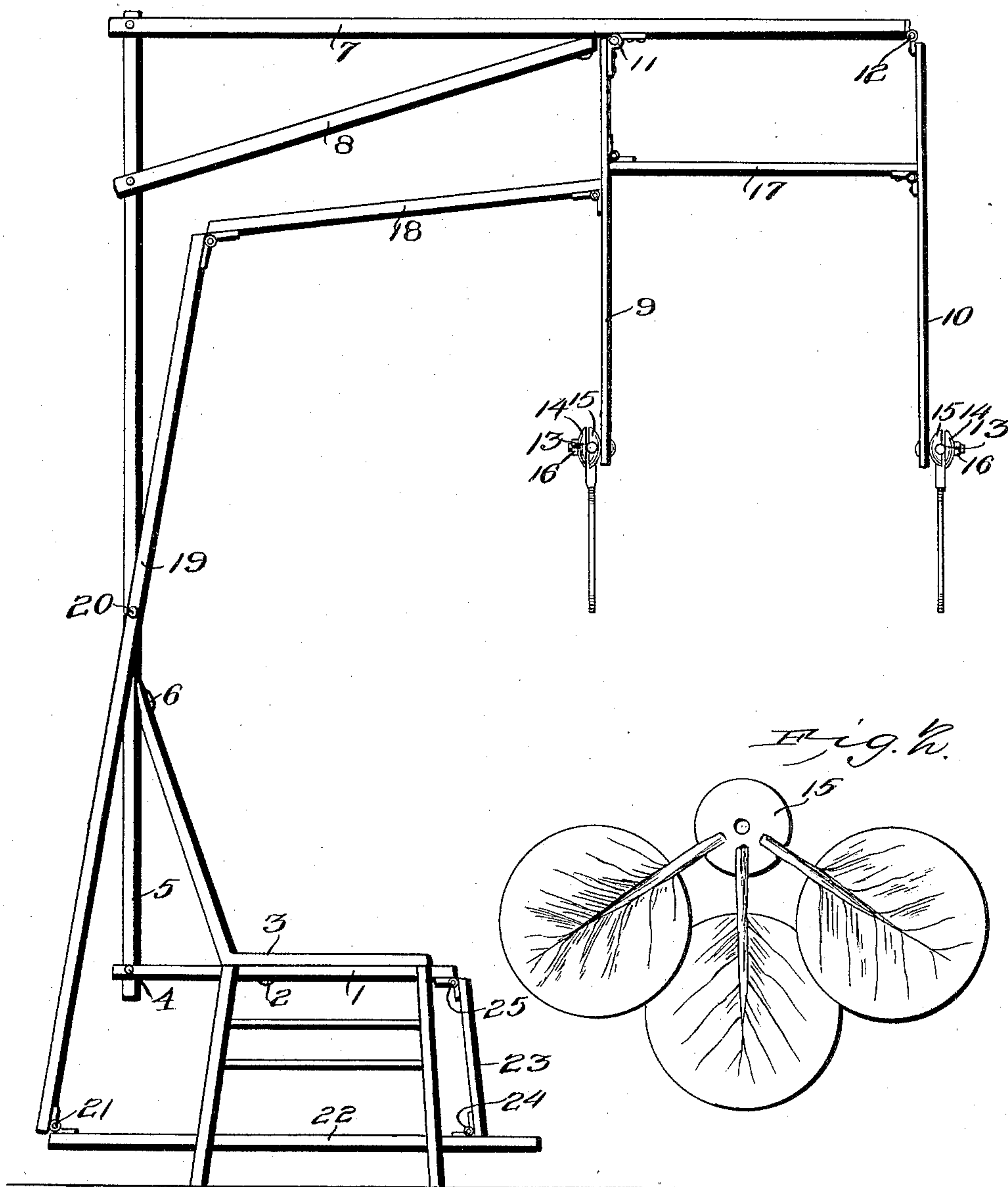


Fig. 2.

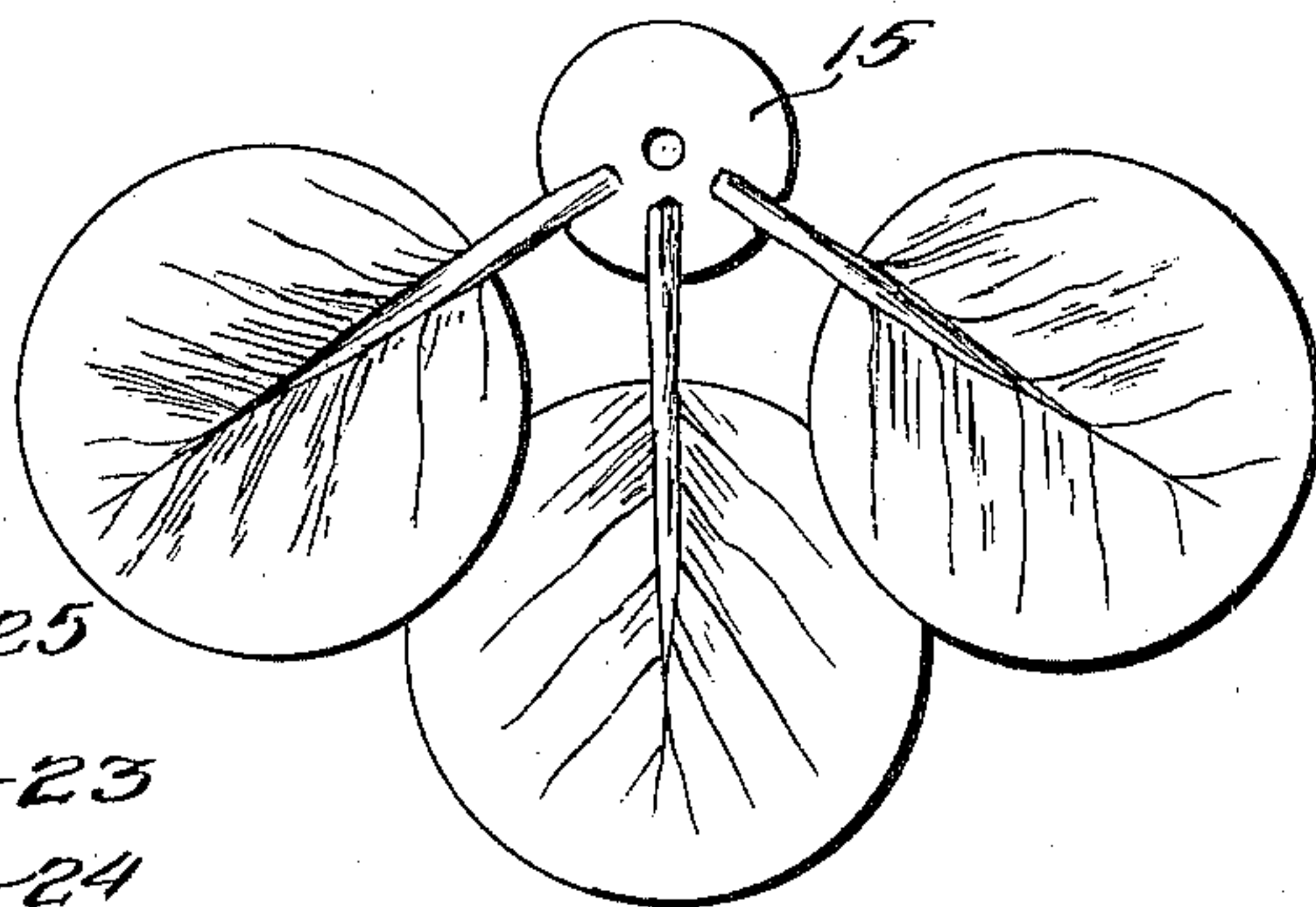
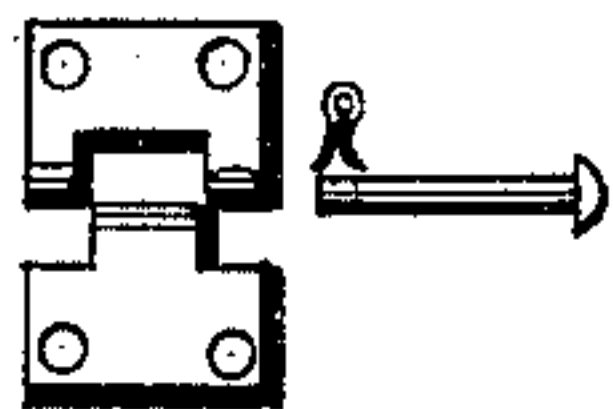


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

NOAH FRANKLIN WARLICK, OF CHATTANOOGA, TENNESSEE.

FAN-OPERATING DEVICE.

SPECIFICATION forming part of Letters Patent No. 707,040, dated August 12, 1902.

Application filed February 19, 1902. Serial No. 94,824. (No model.)

To all whom it may concern:

Be it known that I, NOAH FRANKLIN WARLICK, a citizen of the United States, residing at Chattanooga, in the county of Hamilton and State of Tennessee, have invented a new and useful Fan-Operating Device, of which the following is a specification.

The invention relates to improvements in fan-operating devices.

10 The object of the present invention is to improve the construction of fan-operating devices and to provide a simple, inexpensive, and efficient one of great strength and durability designed especially for use in dining-rooms and adapted to be mounted on a chair and capable of being operated by the occupant of the chair to create a circulation of air over and about the table.

20 The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

25 In the drawings, Figure 1 is a side elevation of a fan-operating device constructed in accordance with this invention. Fig. 2 is a detail view illustrating the arrangement of the fans. Fig. 3 is a detail view of the hinge, illustrating the manner of detaching the leaves.

30 Like numerals of reference designate corresponding parts in all the figures of the drawings.

35 1 designates a horizontal bar secured by suitable fastening devices 2 to a chair 3, beneath the seat thereof, and extending in advance and in rear of the same, and its rear end is detachably secured by a suitable fastening device 4 to a standard or upright 5. 40 The standard or upright 5, which extends a considerable distance above the chair, is detachably secured by a bolt 6 or other suitable fastening device to the same. The standard supports a horizontal bar 7, secured at one 45 end to the top of the standard and extending forward from the same, so as to project over a table when the chair is placed adjacent to the same. The horizontal supporting-bar is connected between its ends with an inclined 50 brace 8, extending upward from the standard or upright 5, near the upper end thereof, and detachably connected to both of the said bars

to enable the supporting-frame formed by the upright and the horizontal bar to be readily taken down when it is desired to remove the fan-operating device from the chair. The horizontal bar supports a pair of depending oscillating fan-carrying arms or bars 9 and 10, secured at their upper ends to the horizontal bar by hinges 11 and 12 and provided at their lower ends with clamps 13, adapted to receive the handles of ordinary palmetto-leaf fans, as clearly illustrated in Fig. 2 of the drawings; but any other form of fan or blade may be provided, if desired. The clamps each consists of two disk-shaped jaws or members 14 and 15, having central perforations for the reception of a bolt 16, which is provided with a suitable thumb-nut for enabling the sections or members of the crank to be readily engaged with and disengaged from the handles of the fans.

The depending oscillating arms or bars 9 and 10 are connected with each other by a horizontal link-bar 17, provided at its ends with hinges which are secured to the said bars or arms 9 and 10. The bar or arm 9 is also connected by a link or bar 18 with the upper end of an upright oscillatory lever 19, detachably fulcrumed by a bolt 20 or other suitable fastening device to the standard at a point above the back of the chair and connected at its lower end by a hinge 21 with the rear end of a treadle 22. The treadle 22 extends forward beneath the chair and is supported by an oscillatory bar 23, which is connected by hinges 24 and 25 with the said treadle and with the front end of the horizontal bar or piece 1, that is secured to the lower face of the seat of the chair. The treadle extends in advance of the connecting-bar 23 and is adapted to be readily operated by the foot of a person seated upon the chair. The person by pressing upon the front portion of the treadle swings the same rearward and oscillates the upright lever 19, thereby communicating motion to the depending fan-supporting arms or bars 9 and 10. As soon as pressure is removed from the front portion of the treadle the latter will swing forward into its first position, and the said treadle is adapted to be operated by simply pressing downward upon its front portion.

The hinges which connect the parts are

provided with removable pintles which permit the leaves of the hinges to be separated, thereby greatly facilitating the removal of the device from the chair when it is desired
5 to take the fan down.

It will be seen that the fan-operating device is exceedingly simple and inexpensive in construction, that it is easily manufactured, and that it is readily mounted on a chair in
10 convenient position to be operated by the occupant thereof. It will also be apparent that the fan is operated by simply pressing downward upon the treadle and that the device is capable of creating a circulation of air
15 over and about a table at the expenditure of a minimum amount of labor.

What I claim is—

1. A device of the class described comprising a frame designed to be mounted on a
20 chair, an oscillatory fan-supporting bar or arm depending from the frame and located above the chair, a treadle supported from the frame and arranged to be engaged by the foot of a person occupying the chair, and an
25 upright lever fulcrumed on the frame and connected at its lower end to the treadle and at its upper end with the fan-supporting bar or arm, substantially as described.

2. A device of the class described comprising a frame, an oscillatory fan-supporting bar
30 or arm depending from the frame and located

above the chair, a treadle arranged beneath the chair and extending in advance of the same, a hinged bar depending from the frame and supporting the front portion of the
35 treadle, and an upright lever supporting the rear portion of the treadle and connected with the fan-supporting bar or arm, substantially as described.

3. A device of the class described comprising a frame, composed of a horizontal bar designed to be secured beneath the seat of a chair, an upright standard connected with the bar and adapted to be secured to the back of the chair, and a horizontal bar extending
40 from the top of the standard, depending fan-supporting arms or bars hinged to the horizontal bar, a link connecting the fan-supporting bars, an upright lever fulcrumed on the standard and connected with the fan-
45 supporting bars, a treadle extending beneath the chair and supported at its rear end by the upright lever, and a hinged bar connected with the frame and supporting the front portion of the treadle, substantially as described.
55

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

NOAH FRANKLIN WARLICK.

Witnesses:

OSCAR YORNELL,
W. B. CLEAGE.