R. Fitts, Jr.

Office Chairs,

No. 67034, Patented July, 23, 1867.

Fig. 1.

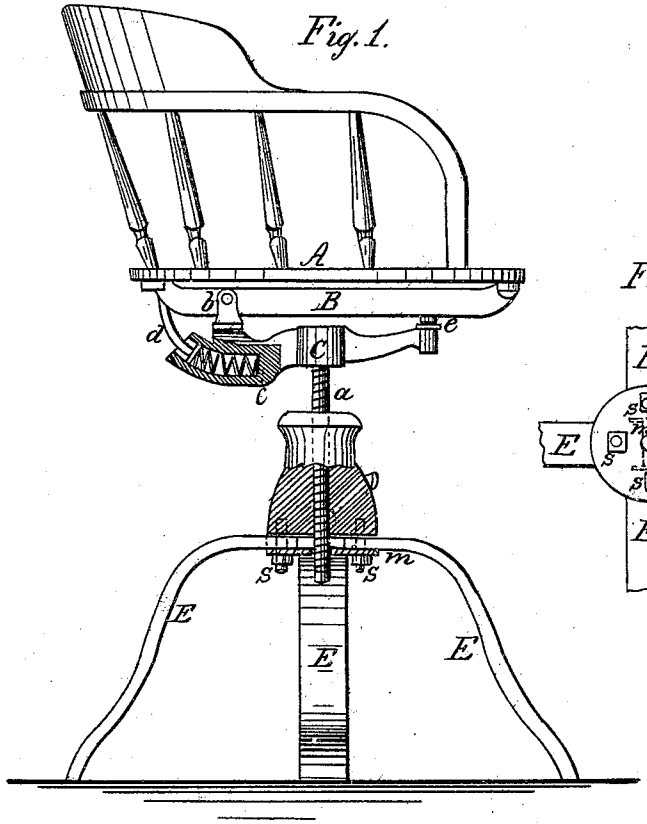


Fig. 3.

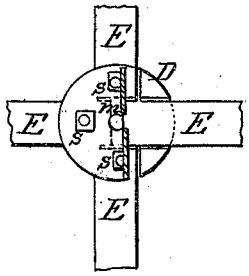
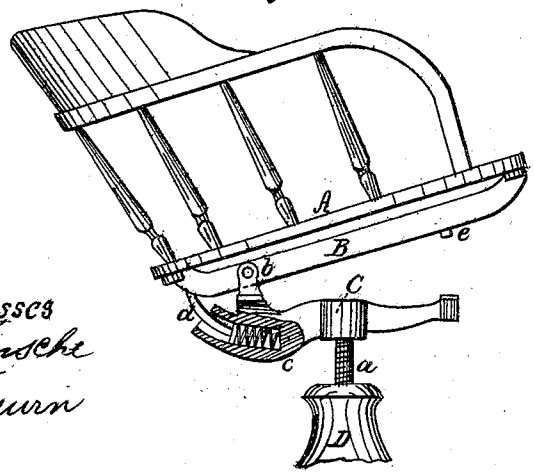


Fig. 2



Witnesses
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ROBERT FITTS, JR., OF FITCHBURG, MASSACHUSETTS, ASSIGNOR TO WALTER HEYWARD CHAIR COMPANY, OF THE SAME PLACE.

Letters Patent No. 67,034, *dated July* 23, 1867.

IMPROVED OFFICE 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 I, ROBERT FITTS, Jr., of Fitchburg, in the county of Worcester, and State of Massachusetts, have invented some new and useful improvements in Office Chair; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a revolving chair in one position having my improved arrangements for tilting the seat on a spring, and also for securing the bent wood legs.

Figure 2 represents the same in another position.

Similar letters of reference indicate corresponding parts.

This invention relates to improvements in the construction of arm-chairs designed for use in offices and other purposes, and consists, first, in attaching bent wood legs to a pedestal nut, which receives the screw for raising and lowering the seat and revolving it as desired; and, secondly, in pivoting the cross-head of the screw to a spider that supports the seat of the chair, in such a manner that it may be tilted to bear on a spring, as hereinafter more particularly described.

A represents the seat of an arm-chair secured to a spider, B. C is a cross-head of a screw, *a*. The cross-head C is pivoted at *b* to one of the arms of the spider B, that is placed at right angles to the front side of the chair. At the rear end of the cross-head C a spiral spring *c*, is set in a cup in such a manner that by tilting the seat A backwards a follower, *d*, fastened to the spider, shall press upon the spring to contract it, and thus make the seat easy and comfortable by its resistance to the pressure of the occupant. The spring may be placed in various positions, and made in different forms. The front end of the cross-head is supported against the under side of the spider B at *e*, when the seat is level, and is provided with an India-rubber or other soft and elastic pad for making the contact easy when the seat is brought down to a level from a tilted position. The screw *a* works in a cast-iron pedestal nut, D, that may be made ornamental. Four legs, E E, made of bent wood, by steaming and shaping, are secured in the bottom of the pedestal nut D by means of a plate, *m*, which is fastened to the nut with screws and nuts *s s*. The bent legs E E cross the pedestal nut D at right angles, and may be made of two or four pieces of wood inserted in recesses formed in the bottom of the nut, as shown clearly in fig. 3. This mode of constructing and securing the legs of a chair is simple, cheap, and ornamental, and very strong and serviceable.

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

1. The bent wood legs E E, in combination with the pedestal nut D, constructed and secured together substantially as described.

2. The cross-head C of the screw *a*, pivoted to the spider B, in combination with the seat A, constructed and operating substantially as and for the purpose herein described.

3. The combination of the cross-head C, the spider B, and the spring *c*, arranged and operating substantially as herein described.

The above specification of my invention signed by me this fifteenth day of June, 1867.

ROBERT FITTS, Jr.

Witnesses:

B. F. CRAGEN,

D. A. COREY.