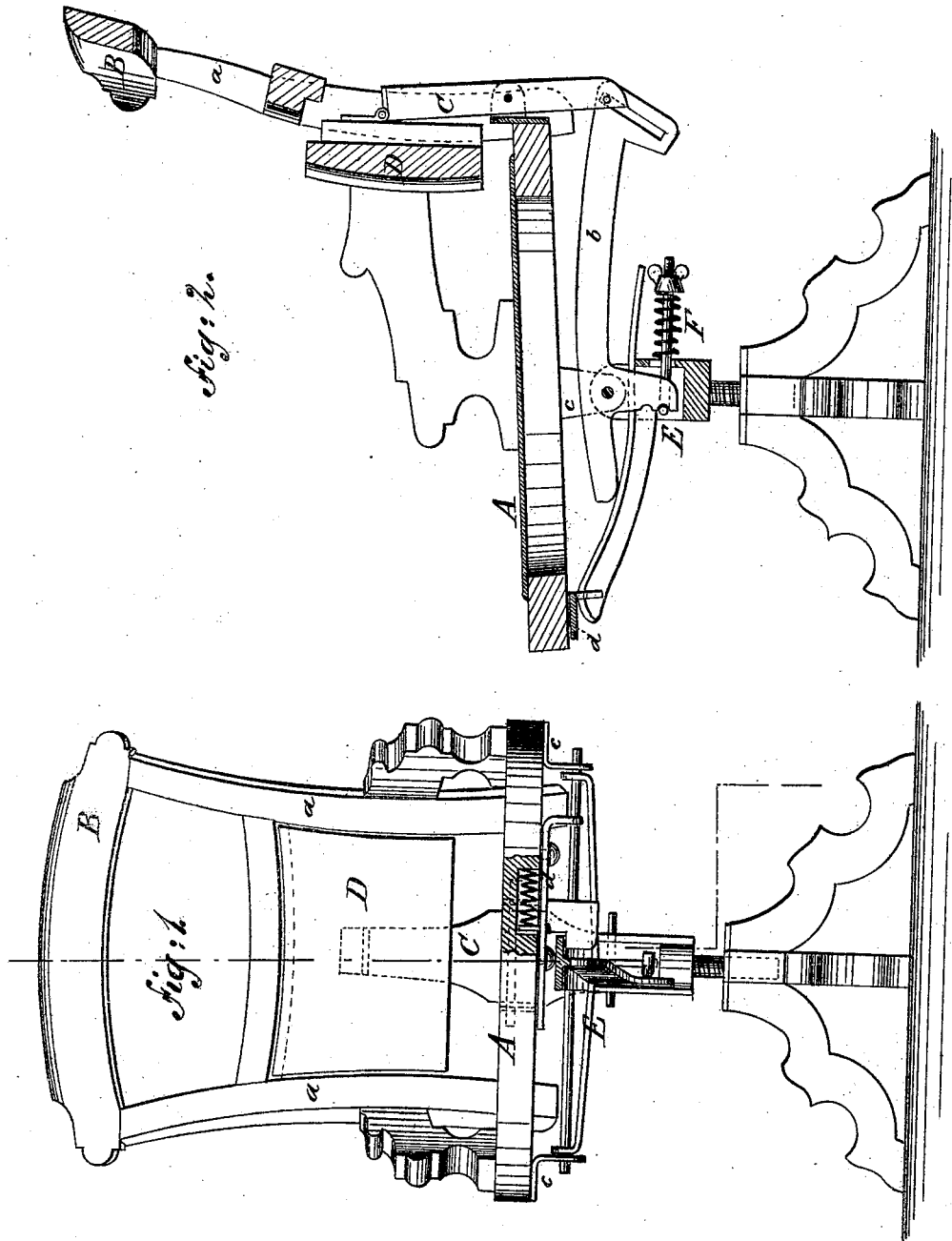


F. CHICHESTER.  
TILTING CHAIRS.

No. 180,548.

Patented Aug. 1, 1876.



Witnesses:  
*M. Lovell*  
*H. C. Mattenbergh*

Inventor:  
*Franklin Chichester*  
*per [Signature]*  
*Attys*

# UNITED STATES PATENT OFFICE.

FRANKLIN CHICHESTER, OF POUGHKEEPSIE, NEW YORK.

## IMPROVEMENT IN TILTING CHAIRS.

Specification forming part of Letters Patent No. **180,548**, dated August 1, 1876; application filed February 28, 1876.

*To all whom it may concern:*

Be it known that I, FRANKLIN CHICHESTER, of Poughkeepsie, in the county of Dutchess and State of New York, have invented a new and Improved Chair; and that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making part of this specification.

This invention is in the nature of an improvement in chairs, and is adapted more particularly for such as are used for sewing-machines; and the invention consists in a sewing-machine chair provided with an adjustable supplemental support for the back, constructed so as to be made available by the occupant of the chair by simply inclining the chair-seat frame; and the invention also consists in an adjustable supplemental back to a chair hinged to a support, and the support hinged or pivoted to the seat-frame, substantially as hereinafter more particularly described; and the invention also consists in a chair for sewing-machines, constructed and in combination with a device which will permit the chair to tilt backward.

Chairs, as ordinarily constructed, are ill suited for use by women at a sewing-machine, for the reason that the leaning position assumed by them, of necessity, when guiding and arranging their work, is hurtful, from the fact that such chairs do not afford any support whatever to the back, which is inclined from the back of the chair; and if the chair is constructed to permanently support the back of the occupant, then it would force upon her a constrained position, from which no relief could be obtained, unless some other chair was substituted. Now, to provide a chair for the users of sewing-machines, that shall obviate these difficulties, I construct a sewing-machine chair in the manner hereinafter described, and as shown in the accompanying sheet of drawings, wherein—

Figure 1 is a front view of my improved chair, partly in section; and Fig. 2, a vertical central section of same.

Similar letters of reference indicate like parts in the two figures.

A represents the seat or seat-frame of a

chair. To the rear part of this seat A is affixed an ordinary back, B, and also to the rear of the seat, and between the side posts *a* of the back, is hinged, or otherwise secured, by a flexible joint, a lever, C, and to the upper end of the lever C is secured, with a hinge or other flexible joint, a supporter, D, which may be of any desirable size and construction. To the lower end of the lever C is attached, by any desirable adjustable joint adapted to the purpose, the rear end of a lever, *b*. This lever may consist in one of the arms of the spider in the ordinary tilting chair, or it may be specially constructed. To the seat A, on its under side, and at any convenient point, are secured lugs or other similar devices *c*, by which the chair is pivoted to the supporting iron-work or spider E, so that it may be inclined backward or forward on these pivots. To the under side of the seat A, and at the front thereof, is fitted a spring-catch, *d*.

Now, my chair being constructed substantially as above described, it is operated as follows: The occupant, when assuming a stooping position, draws with her hand the spring-catch *d*, which disengages or unlocks the seat from the spider, so that as the occupant inclines forward the seat also tilts forward at its pivotal points *c*, throwing the rear of the seat upward, which, in turn, throws inward the lever C, with the supporter D, projecting the supporter out from the back B and against the back of the occupant. The adjustable joint or connection of the lower end of the lever C with the lever *b* permits this action. The supporter D being projected in this way against the back of the person in an inclined position in the chair, it is retained in this position by releasing the spring-catch *d*, which will then engage with the spider E and hold the chair fast. The support being hinged to the lever C, or otherwise provided with an adjustable joint at its connection with the lever, it is thus enabled to adjust itself to the angular position of the back. Upon resuming an upright position the spring-catch *d* is again withdrawn, when, by an operation of parts exactly the reverse of that before described, the supporter D is again drawn within the back, and offers no resistance to the occupant's assuming an upright or reclining position.

The chair may be provided with a spring, F, if desired, so that it may be used as an ordinary tilting chair when not employed at the sewing-machine.

I do not at this time claim the spring F shown and described, as I intend to make a separate application for it hereafter.

This chair, as is obvious, may be used with equal advantage by persons whose occupations compel them to lean over tables and desks, as in writing and drawing, &c.

Having now described the construction and operation of my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A chair having an adjustable supplemental back-support, in combination with a fixed back and a tilting seat, substantially as and for the purpose described.

2. In a tilting chair, an adjustable back-support, combined with a lever affixed by a

yielding joint to the back of the chair-seat, substantially as and for the purpose described.

3. In a tilting chair, a spring-catch combined with a fixed portion of the supporting-spider, substantially as and for the purpose described.

4. In a tilting chair, a lever hinged to the rear of the seat, and with its lower end secured to a lever or an arm of the supporting-spider, with an adjustable joint, substantially as and for the purpose described.

5. A chair having an adjustable supplemental back and a seat hung on bearings, and combined with a spring, so as to render said seat capable of being tilted, substantially as described.

FRANKLIN CHICHESTER.

Witnesses:

W. FARRINGTON,  
GEO. CARD.