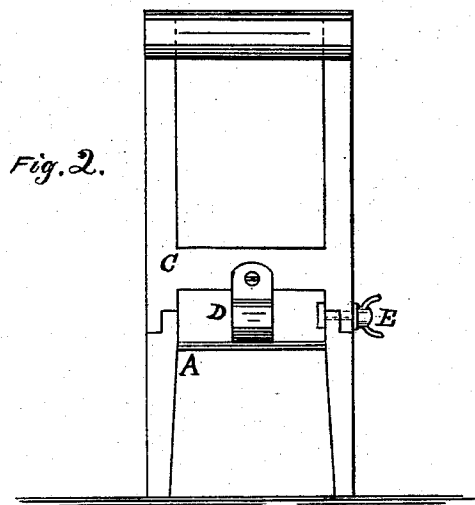
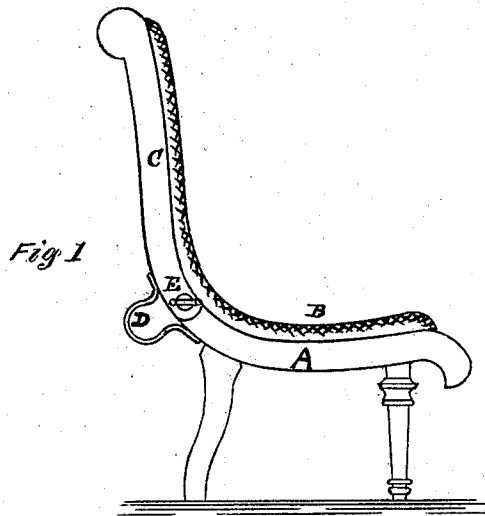


J. W. McDONOUGH.
RECLINING CHAIR.

No. 178,016.

Patented May 30, 1876.



Witnesses:

Julius Wileke
H. Cowles

Inventor:

James W. McDonough
By Girdley & Sherburne
Attys

UNITED STATES PATENT OFFICE

JAMES W. McDONOUGH, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN RECLINING-CHAIRS.

Specification forming part of Letters Patent No. **178,016**, dated May 30, 1876; application filed May 3, 1876.

To all whom it may concern:

Be it known that I, JAMES W. McDONOUGH, of Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Reclining-Chairs; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable others skilled in the art to which my invention appertains to make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 represents a side elevation of a reclining-chair embodying my invention, and Fig. 2 represents a back view of the same.

Like letters of reference indicate like parts.

The object of my invention is to so construct a chair as to admit of being adjusted to suit the convenience of the occupant, either in a sitting or reclining position; and to that end my invention consists in the combination with the back, hinged to the bottom or arms of the chair, of an adjusting-spring and tightening-bolt, whereby the back is held firmly in position, and at any desired incline, as is hereinafter more fully described.

In the drawing, A represents the frame-work constituting the base or bottom of the chair, which may be made in the form shown, or in any other form that will support the cushion B. C is the back, which may be made in any

suitable form that will admit of being hinged to the base or bottom in such a manner as to allow the back to be inclined backward to any desired position. D is a curved metal spring, which is attached at one end to the frame of the back above the hinges, and at the other end to the frame of the base or bottom below the hinges, as shown in Fig. 1. E is an adjusting-bolt, which is so arranged as to pass through one of the side numbers of the back and base, as shown by dotted lines in Fig. 2. The adjustment of the bolt is such that, when properly tightened, it holds the back at any desired inclination, at which it may be adjusted; and the arrangement of spring D is such as to yield and allow the back to be adjusted to the desired inclination, when force is applied to the upper part of the back, and to force the back forward to its normal position when the bolt is loosened.

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

The combination, with the back C hinged to the base or bottom A, of the spring D and bolt E, substantially as and for the purpose specified.

JAMES W. McDONOUGH.

Witnesses:

N. COWLES,

JULIUS WILCKE.