No. 649,383. Patented May 8, 1900.

A. WILCKE.

CHAIR.

(Application filed Nov. 27, 1899.)

(No Model.)

Fig. 2.

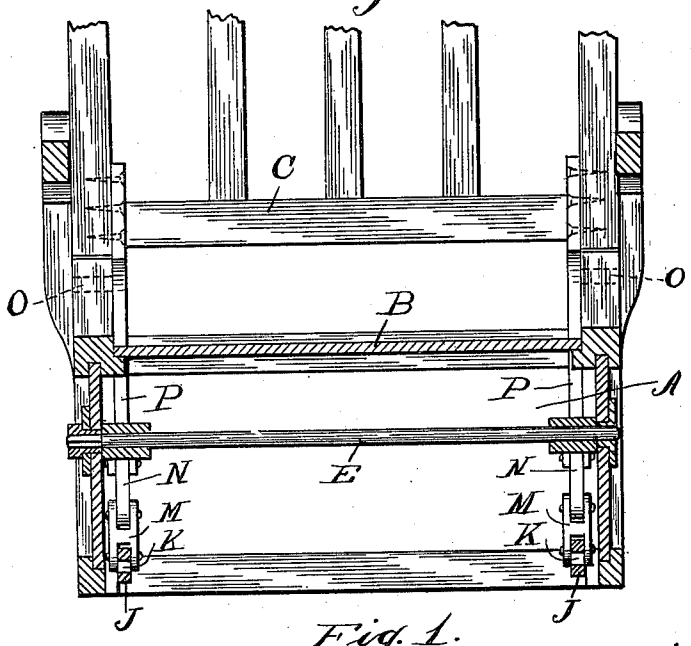


Fig. 1.

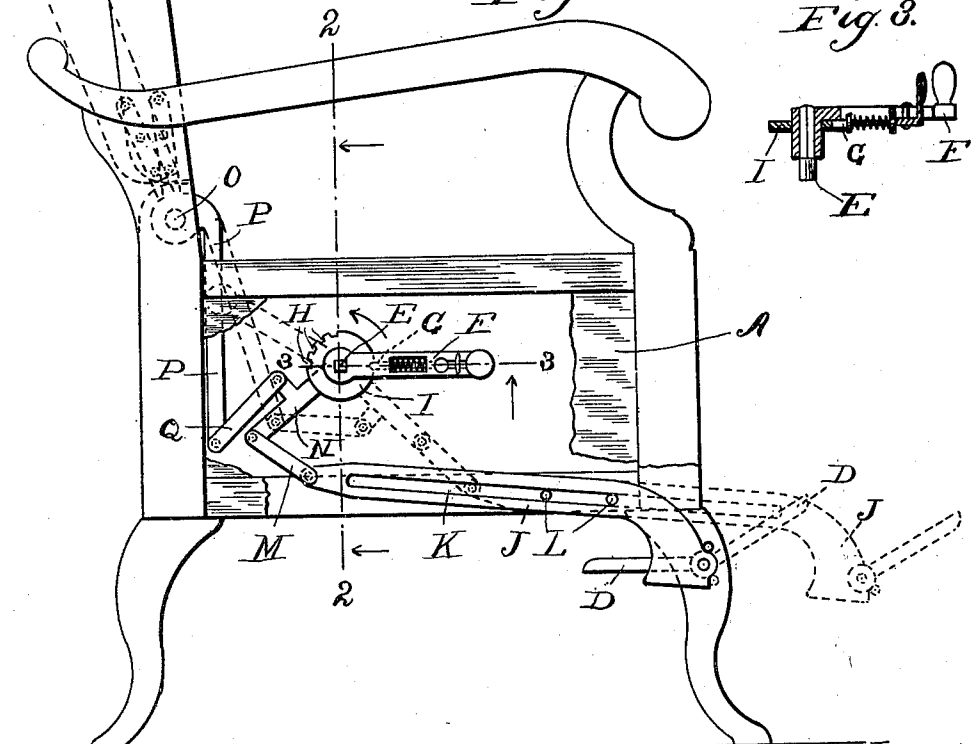


Fig. 3.

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UNITED STATES PATENT OFFICE.

ADOLPH WILCKE, OF CHICAGO, ILLINOIS.

CHAIR.

SPECIFICATION forming part of Letters Patent No. 649,383, dated May 8, 1900.

Original application filed November 6, 1899. Serial No. 735,973. Divided and this application filed November 27, 1899. Serial No. 738,379. (No model.)

To all whom it may concern:

Be it known that I, ADOLPH WILCKE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Chairs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This application is a division of the application filed November 6, 1899, Serial No. 735,973.

My invention relates to a novel construction in a reclining-chair, the object being to provide a device of this character of simple and efficient construction which can be easily operated by the occupant; and it consists in the features of construction and combinations of parts hereinafter fully described and claimed.

In the accompanying drawings, illustrating my invention, Figure 1 is a side elevation of a chair constructed in accordance with my invention, one of the side panels of said chair being partially broken away to show the interior mechanism. Fig. 2 is a fragmentary section of same on the line 2 2 of Fig. 1. Fig. 3 is a detail sectional view on the line 3 3 of Fig. 1.

My chair is provided with a paneled box portion A below the seat B, in which the mechanism for reclining the back C and extending the foot-rest D is contained. The said mechanism consists of a shaft E, passing through said box portion A and journaled in bearings in the side panels thereof. The said shaft carries a crank-arm F at one end, which in turn carries a spring-actuated sliding pawl G, adapted to engage notches H in a disk I, secured to one of said side panels, whereby said shaft is locked in any desired position. Said foot-rest D is pivotally mounted between two arms J, each provided with a longitudinal slot K, adapted to receive guide-pins L on the lower inner side faces of the box portions A, by means of which said arms are guided. The innermost ends of said arms J are pivotally connected by means of links M with the outermost ends of arms N on said shaft E, so that by turning said shaft said arms receive reciprocal movement. Said back C is pivoted between the rear posts of the chair just above the seat portion B, as at O, and from this pivotal connection arms P pass downwardly into said box portion A to a point lower than said shaft E. The lowermost ends of said arms P are pivotally connected by means of links Q with projections R on the middle portions of the rear edges of said arms N on said shaft, said parts being so arranged that when said arms N are at the rearward limit of their movement, as shown in full lines, Fig. 1, said foot-rest D is drawn under said box portion A and said back C is in its most upright position, the links Q being practically parallel with said arms N. By turning said shaft in the direction indicated by the arrow said foot-rest is rapidly extended, while during the first part of the movement said back C remains almost stationary, the first result of turning being to turn the links Q to a practically horizontal position, after which a further movement of the shaft E causes the back C to tilt rearwardly. This enables the operator to partially extend said foot-rest without materially altering the position of said back, if so desired.

I claim as my invention—

1. In a chair, a hollow base portion, a crank-shaft journaled in bearings therein, arms on said crank-shaft, rods movable in guides in the lower end of said base portion and carrying a foot-rest at their ends, and links connecting said rods with said arms, a pivoted back on said chair, arms rigid with said back and extending into said hollow base, links connecting the lower ends of said arms with the middle portions of said arms on said shaft, said links extending upwardly from the lower ends of said arms on said back at an incline, whereby when said shaft is turned said foot-rest will be first extended partially without materially altering the position of said back and during the latter part of the movement of said shaft said back will be reclined and said foot-rest extended to the respective limits of their movement.

2. In a chair, a hollow base portion, a crank-shaft journaled in bearings therein, arms on said crank-shaft, rods movable in guides in the lower end of said base portion and carrying a foot-rest at their ends, and links con-

necting said rods with said arms, a pivoted back on said chair, arms rigid with said back and extending into said hollow base, links connecting the lower ends of said arms with the middle portions of said arms on said shaft, said links extending upwardly from the lower end of said arms on said back at an incline, whereby when said shaft is turned said foot-rest will be first extended partially without materially altering the position of said back and during the latter part of the movement of said shaft said back will be reclined and said foot-rest extended to the respective limits of their movement, and means for locking said shaft rigid at any desired point in its movement.

In testimony whereof I affix my signature in presence of two witnesses.

ADOLPH WILCKE.

Witnesses:
RUDOLPH WM. LOTZ,
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