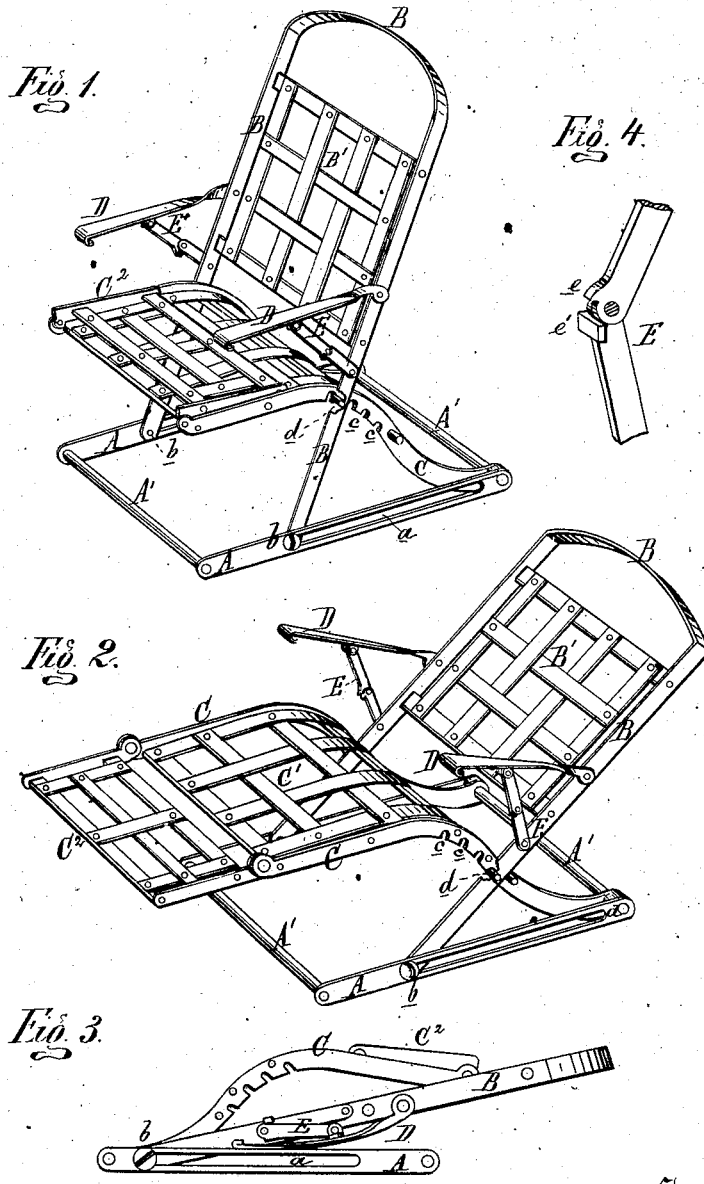


G. WILSON.  
Adjustable Iron Chair.

No. 162,447.

Patented April 20, 1875.



Witness:  
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# UNITED STATES PATENT OFFICE.

GEORGE WILSON, OF NEW YORK, N. Y.

## IMPROVEMENT IN ADJUSTABLE IRON CHAIRS.

Specification forming part of Letters Patent No. 162,447, dated April 20, 1875; application filed November 7, 1874.

*To all whom it may concern:*

Be it known that I, GEORGE WILSON, of the city and State of New York, have invented an Improved Adjustable Iron Chair, of which the following is a specification:

The nature of this invention relates to an improvement in that class of iron-frame chairs which can be adjusted from an ordinary arm-chair into a reclining-chair, susceptible of a variety of adjustments, which enable the occupant to recline in various easy positions, and which can also be compactly folded for transportation.

The invention consists in the combination of a slotted base-frame, a back-frame provided with a cross-bar, and a seat-frame provided with notches, so that the inclination of the back-frame can be regulated at pleasure; and, further, in combination, a base-frame, a back-frame provided with a cross-bar, and arm-rests having jointed braces, provided with stops, and a seat-frame having notches and a foot-rest, as more fully hereinafter set forth.

Figure 1 is a perspective view of my improvement adjusted as an arm-chair. Fig. 2 is a similar view, showing its adjustment as a reclining-chair. Fig. 3 is a side elevation of the chair folded for transportation. Fig. 4 is a detached perspective view of a folding arm-brace.

In the drawing, A A represent two flat iron bars, set up edgewise, and connected at the ends by two round girts, A', the whole forming a foundation-frame. B is a flat bar back-frame, bent to form an arched top and parallel sides. Their lower ends are connected with the frame bars A by bolts *b*, sliding in slots *a* in said bars. The upper part of the frame B has a net-work of interlaced iron straps, B', which supports a back-cushion. C C are two bars, curved as shown, to form the seat-frame and its support. Their lower ends are sleeved on the back-girt A', while their front ends are connected by a cross-bar. There is another cross-bar, connecting them at the commencement of the curve, and another still further down, over all of which cross-bars there is a cushion-support, formed of interlaced straps C<sup>1</sup> of light iron. In the lower edge of each bar C, at the curved portion thereof, there is cut a series of notches, *c*, into which enters a round cross-bar, *d*, extending across the back-frame B, by means of which the inclination of

the back can be adjusted between the positions shown in Figs. 1 and 2 without altering the pitch of the seat. To the front end of the seat-frame there is hinged an extension thereof, forming a leg and foot support, C<sup>2</sup>, (seen in Fig. 2,) which can be folded back under the cushion of the seat C, on which it lies, as seen in Fig. 1. D is an arm-rest, pivoted to each side of the back-frame, and is supported by a brace, E, pivoted to the under side of said rest at the upper end, and to the back-frame at its lower end, being jointed at the middle to permit of its folding, as seen in Fig. 3.

When extended, the brace is held from passing beyond a given line by a hook, *e*, on one side of the joint striking a lug, *e'*, on the other side of the said joint.

By sliding back the lower end of the back-frame in the slots *a* the seat-frame may be disengaged, and the whole folded down compactly, as seen in Fig. 3.

In iron-frame chairs of this class great difficulty has been found in applying and using casters, owing to the unstable character of the legs, which are necessarily of light iron.

In the present case the solid foundation-frame A A' enables the constructor to readily fix the casters thereon in any convenient way, and, owing to its stability, there is no trouble in maintaining and using them.

The chair is simpler in construction than any other having the same range of adjustments, and can be built for less money, costing, at the present prices of material and labor, but four dollars.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination, with the slotted frame A A', of the back-frame B, provided with the bar *d'*, and seat-frame C, having the notches *c*, for adjusting the inclination of said back-frame, substantially as described.

2. The combination of the slotted frame A A', the back-frame B, provided with the bar *d* and the arm-rests D, having jointed braces E, constructed with stops *e e'*, and the seat-frame C, having the notches *c* and foot-rest C<sup>2</sup>, substantially as described and shown.

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Witnesses:

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