G. WILSON.
Adjustable Chair.

No. 210,733. Patented Dec. 10, 1878.

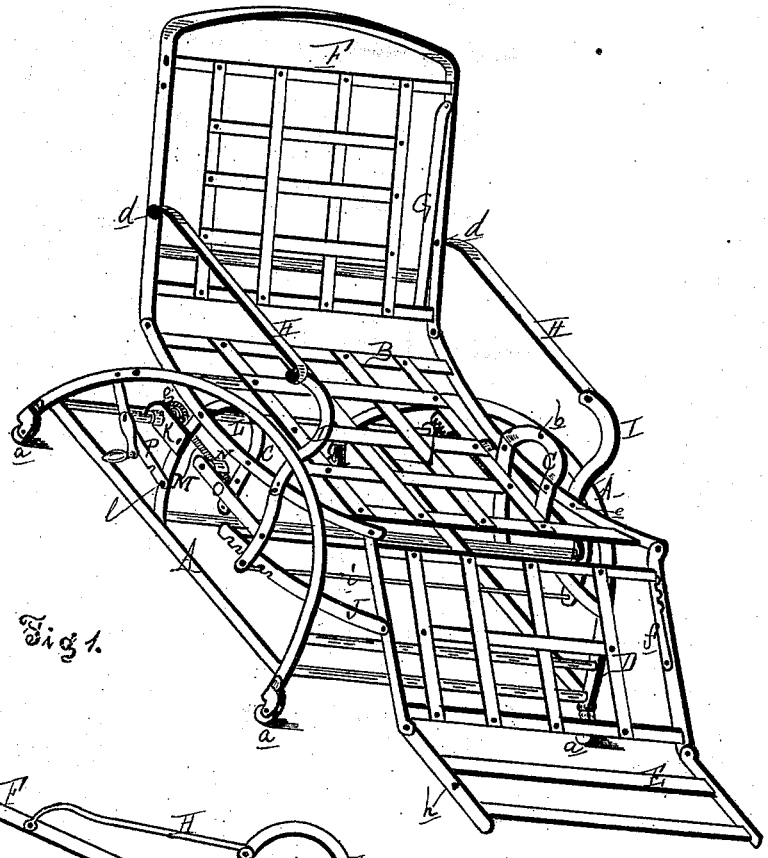

Fig 1.

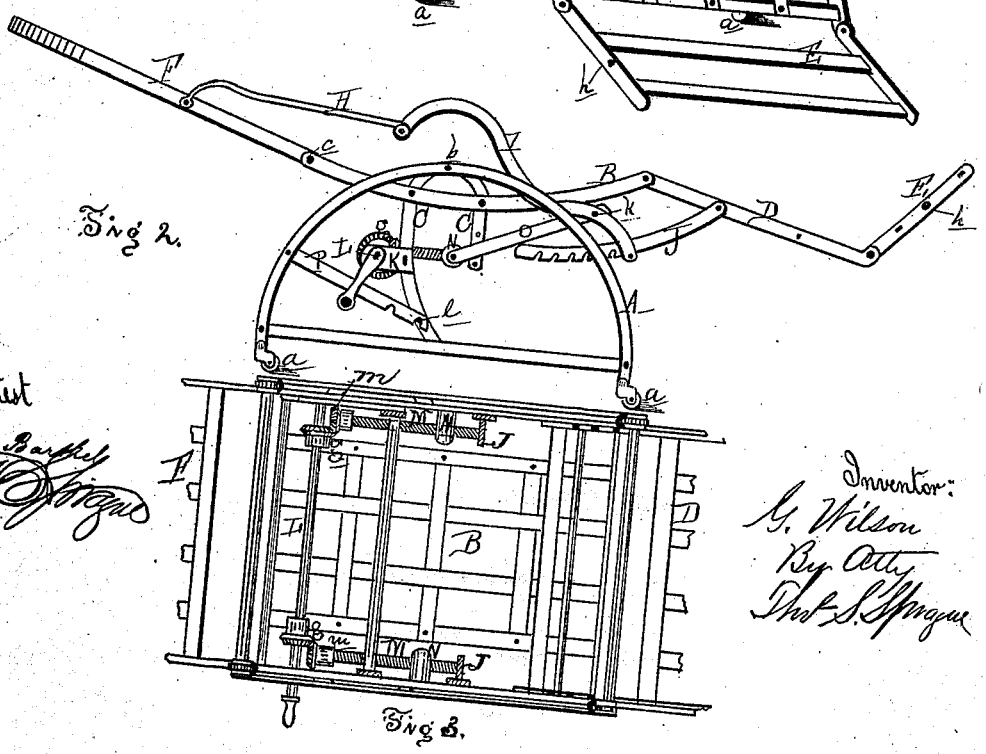

Fig 2.

Fig 3.

Test
Barthel
Sprague

Inventor:
G. Wilson
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UNITED STATES PATENT OFFICE.

GEORGE WILSON, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN ADJUSTABLE CHAIRS.

Specification forming part of Letters Patent No. **210,733**, dated December 10, 1878; application filed May 9, 1878.

To all whom it may concern:

Be it known that I, GEORGE WILSON, of Brooklyn, in the county of Kings and State of New York, have invented an Improvement in Adjustable Chairs, of which the following is a specification:

The nature of this invention relates to an improvement in the construction of adjustable chairs, particularly designed for the use of invalids.

The invention consists, first, in the peculiar arrangement of certain devices whereby the back and leg sections can be simultaneously adjusted to varying degrees of inclination; and, second, in the peculiar arrangement and construction of the various parts, as is more fully hereinafter set forth.

Figure 1 is a perspective view, showing the chair adjusted for use as a common easy-chair. Fig. 2 is a side elevation, showing position of parts adjusted as a reclining-chair. Fig. 3 is a bottom plan of the seat-section.

In the drawing, A represents the supporting-section of a chair, mounted upon casters *a*. At the apex of the semicircular side bars of this section A is hung the seat-section B of a chair by means of the hangers C, pivoted to said frame, as at *b*.

To the front ends of the side bars of the seat-frame B is pivoted the leg-section D, to which is in turn pivoted the foot-rest E. To the rear of the seat-section is pivoted, at *c*, the back-section F, to the side bars of which is pivoted a leg-frame, G, to support the back when the chair is extended as a couch.

H are arm-rests, pivoted at *d* to the back-section, while their forward ends are pivoted to the upper ends of the bars I, which, in turn, are pivoted to the seat-section, as at *e*. The lower ends of these bars are connected together by the rod *i*, with which engages the notched side bars of the adjustable frame J, which is pivoted to the leg-section, as shown.

Notched bars *f*, pivoted at one end to the leg-section, engage with studs *h* on the side of the foot-rest, to secure it in position.

To the rear downwardly-projecting arms of the hangers C are rigidly secured the plates K, in the ends of which are journaled the shaft L, running transversely across the chair. Upon this shaft are rigidly keyed the bevel-pinions *g*. These pinions engage with similar pinions *m*, keyed upon the shafts M, which have bearings in the inwardly-projecting arms *j* on the hangers C. Threaded upon the shafts M are blocks N, to the outer ends of which are pivoted the adjusting-bars O, the forward ends of which are notched to engage with studs *k* on the inner faces of the bars I.

To keep the seat-section in position, and so that the chair will not rock upon its pivotal point of connection with the supporting-frame, I pivot lock-bars P to the frame A, their forward ends being notched to engage with studs *l* on the hangers C for that purpose.

All the parts being in connection, as described, a crank-handle attached to one end of the shaft L, and by means of which said shaft is rotated, will adjust the back and leg sections to any desired position, as can readily be seen.

What I claim as my invention is—

1. In an adjustable chair, the combination of the back and leg sections, pivoted to the seat-frame, with the cross horizontal shaft L, the horizontal screw-shafts M at the sides of the chair, and the bar O, having nuts which work back and forth on the screw-shafts between their bearings, the said parts being adapted to adjust the back-section through the pivoted arm-rests H and bars I, and the leg-section through the frame J, substantially as described and shown.

2. The combination, with the supporting-frame A, of the seat-frame B, pivoted centrally to the supporting-frame by hangers C and adjustably held by locking-bars P, the back-section F, pivoted to the seat-frame and to the arm-rests H, the bars I, pivoted to the forward ends of the arm-rests and to the sides of the seat-frame, the leg-section D, pivoted to the seat-frame and adjustably connected to the lower ends of the bars I by the locking-frame J, and the cross-shaft L, screw-shafts M, and bars O, for adjusting simultaneously the back and leg sections, all substantially as described and shown.

Witness my signature hereto this 18th day of March, 1878.

GEORGE WILSON.

In presence of—

ISAAC S. SIGNER,

RUFUS T. GRIGGS.