G. Wilson

Iron Folding Chair

Patented Jul. 4 1871.

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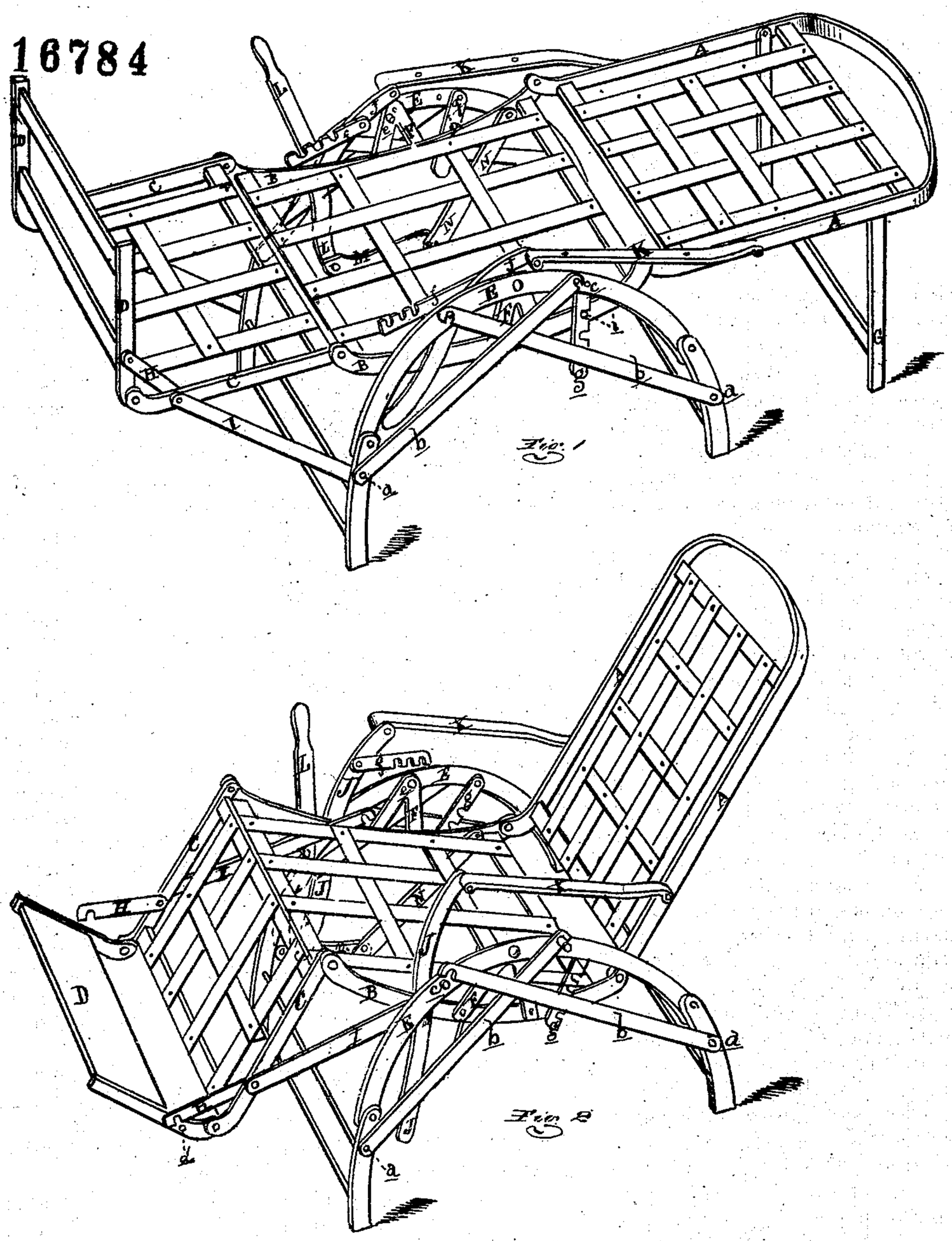

Fig. 1

Fig. 2

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UNITED STATES PATENT OFFICE.

GEORGE WILSON, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN IRON FOLDING CHAIRS.

Specification forming part of Letters Patent No. 116,784, dated July 4, 1871.

To all whom it may concern:

Be it known that I, GEORGE WILSON, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Iron Folding Chairs; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon, and being a part of this specification, in which—

Figure 1 is a perspective view of my chair-frame extended as a bed; and Fig. 2 is a similar view, showing it as a rocker.

Like letters indicate like parts in each figure.

This invention relates to an improved construction of an iron folding chair in such a manner that it may be used as a reclining-chair, rocking-chair, lounge, bed, and child's crib, capable of being changed with ease to the various positions; and it consists in the peculiar arrangement of the seat-section, with relation to a pair of arches which forms the legs, in such a manner that the chair may have a vibratory movement, and in the peculiar construction and arrangement of the various hooks, braces, and levers for changing, adjusting, and holding the various parts in the desired positions, as more fully hereinafter set forth.

In the drawing, A represents the back-frame, B the seat-frame, C the foot-frame, and D the foot-plate of my chair, composed of light iron, hinged together, with interlaced iron straps for the foundation, substantially as described in the Letters Patent issued to me September 20, 1870, and numbered 107,581. E are arches or semicircles of iron, one on each side of the seat-section, which is suspended from the crowns thereof by pendulums F pivoted thereto. For convenience in transportation the arches may be jointed, as shown at *a*, to fold inward, and provided with hook-braces *b*, pivoted to the end sections and engaging with studs *c* on the central segment. G are legs, which are pivoted to and fold into the back-frame, and are used in supporting the back-frame in a horizontal position. H are hook-braces pivoted to the sides of the foot-frame, and engage with studs *d* on the foot-plate to support it at any desired angle. I are hook-braces pivoted to the sides of the foot-section, and engage with studs on the inner sides of the arches opposite the studs *d* when the chair is extended; otherwise, to the arm-levers J, which are extended below the seat-frame for that purpose, being pivoted at their centers and to the arm-pieces K at their upper ends, which are in turn pivoted to the sides of the back-frame. In the latter case, if the back-frame be lowered the foot-section will be raised, and vice versa. The back-section is held at any desired angle by hook-braces *f* pivoted to the arm-levers J, and whose notches engage with studs *e* on the pendulums F. The chair-sections being suspended from the arches by the pendulums, the whole vibrates freely to any desired position, where it is secured by a notched bar, *g*, pivoted to the arch, or a pair to each, engaging with studs *i* on the sides of the seat-frame, or by any equivalent device for that purpose. In order that the occupant of the chair may change the inclination or position of all the sections without getting out of it, it being in the position shown in Fig. 2, I pivot a lever, L, to one of the arches. To the lower end of this lever I pivot a link, M, whose other end engages with a stud on the lower end of an arm, N, projecting downward from the rear part of the side of the seat-frame, so that, by disengaging the notched bars *g* and taking hold of the lever, he may move the chair or rock it back and forth, and then lock it to any desired angle by said notched bars. In like manner he can change the inclination of the back and foot-sections without disturbing the position of the seat.

Almost any position and arrangement of the various parts may be obtained by means of the various hooks and braces described.

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

1. The seat-section B of an iron folding chair, constructed substantially as described, when suspended from the arches E by the pendulums F, as set forth and shown.

2. The combination, with the seat-frame B and an arch, E, of the lever L, link M, and arm N, as and for the purpose set forth.

3. The combination, with the seat-frame B and one or both arches, E, of one or two notched bars, *g*, as and for the purpose set forth.

4. The construction and arrangement of the arm-levers J and hook-braces I with the arm-pieces K, back-frame A, seat-frame B, and foot-frame C, substantially as described, for the purposes specified.

Witnesses: GEORGE WILSON.

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