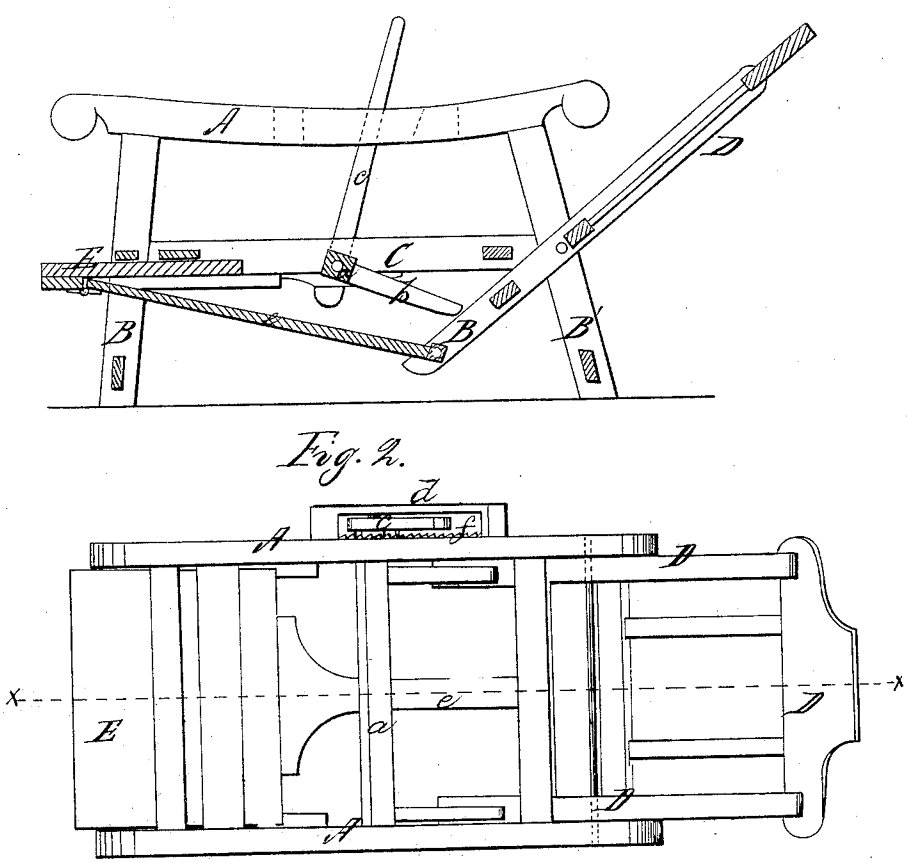
Blackburn & Terrel,

Invalid Chair,

№ 49,849, Patented Sept. 12, 1865.

Fig. 1.

Fig. 2.



Witnesses.

Wm Trewin

Hw Gusch

Inventor.

S. J. Blackburn

C. P. Terrell

By Munn & Co Attys

UNITED STATES PATENT OFFICE.

T. J. BLACKBURN AND E. P. TERREL, OF SPRING HILLS, OHIO.

IMPROVEMENT IN INVALID-CHAIRS.

Specification forming part of Letters Patent No. **49,849**, dated September 12, 1865.

To all whom it may concern:

Be it known that we, T. J. BLACKBURN and E. P. TERREL, of Spring Hills, in the county of Champaign and State of Ohio, have invented a new and Improved Invalid-Chair; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a vertical section of our invention, taken in the line *x x*, Fig. 2. Fig. 2 is a plan or top view.

Similar letters of reference indicate like parts.

Our invention consists in pivoting the back to the frame in such manner that the person may regulate its inclination to a position for sitting or reclining by means of suitable arms attached to a rock-shaft, which arms bear against the lower portion of the back, and are operated by a hand-lever easily reached by the occupant of the chair; and it also consists in arranging a slide-board on the front part of the chair, connected to the back by a rod in such manner that it may be slid out or drawn in, according to the inclination of the back.

To enable others to understand our invention we will proceed to describe it.

A B B′ C represent the frame of our invalid-chair, which is made of any desirable or appropriate construction, B B′ constituting the legs thereof.

D is the back, which is pivoted to the part B′ of the frame at a point near the center of its length in such manner as to permit it to be thrown back or forward to any desired angle.

a is a rock-shaft working in journals arranged on the under side of the part C of the frame near the center of the chair. Two arms, *b*, are attached to this rock-shaft in such manner that they will bear against the lower part of the back D and serve as adjustable braces and stops for the said back.

c is a lever attached to the rock-shaft *a*, and it extends up above the part A of the frame, so as to be easily operated by the hand of the person sitting or reclining. It is arranged to move back and forth in a guideway, *d*, and has on it a pawl or catch, which gears into a suitable rack or toothed plate, *f*, on the part A of the frame, which serves to retain it, and consequently all the other parts, in the desired position.

E is a slide-board arranged to move out and in on the front part of the chair, so as to form an extension to the seat thereof, and it is connected to the back D by a rod, *e*, in such manner that when the said back is raised to a nearly-vertical position the slide-board will be drawn in, but will be slid out accordingly as the back is inclined.

From the above description it will be seen that the person using our invalid-chair can regulate the angle of the back easily and quickly to enable him to assume a vertical or reclining position, or vice versa, as he may desire, without the assistance of another person; and the use of the slide permits the chair to be made much shorter and less cumbersome than were it not used, and it operates automatically with the back.

To render more easy the operation of the arms *b*, we, in some cases, purpose using a roller on the end of each arm, the advantage of which will be readily understood.

We propose to make two forms of this invalid-chair, one designed particularly for a chair and the other for a bed, the latter being, of course, much longer than the former.

Aside from the use of our invention as an invalid-chair, it will be found convenient as a child's crib, as well as an easy-chair for any person who desires a comfortable position when smoking, reading, or sitting at leisure.

What we claim as new, and desire to secure by Letters Patent, is—

1. The arms *b*, extending from the rock-shaft *a*, serving as adjustable braces and stops, in combination with the back D, arranged to operate substantially as herein shown and described.

2. Pivoting the back D to the frame at a point near the center of its length, so as to bring its lower part in the path of the arms *b*, substantially as herein specified.

3. The slide-board E, forming an extension to the seat, in combination with the rod *e* and back D, arranged to operate substantially as herein shown and described

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E. P. TERREL.

Witnesses:
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