

UNITED STATES PATENT OFFICE.

ERNEST SMITH, OF LONDON, ENGLAND.

IMPROVEMENT IN FOLDING CHAIRS.

Specification forming part of Letters Patent No. **188,969**, dated March 27, 1877; application filed August 21, 1876.

To all whom it may concern:

Be it known that I, ERNEST SMITH, of London, England, have invented a new and useful Improvement in Folding Chair, of which the following is a specification:

Figure 1 is a perspective view of my improved chair arranged for use. Fig. 2 is a side view of the same folded, part being broken away to show the construction.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved folding chair which may be easily folded and unfolded, may be adjusted into various positions for use, may be compactly folded for storage or transportation, and which shall form an easy and comfortable resting-place however it may be adjusted.

The invention consists in the pins, the hooks, the holes, and the pins for connecting the rear legs with the forward legs of the chair-frame, and in the chair-frame formed of the front legs, the rear legs, the seat-bars, and the jointed arms, and their rounds or cross-bars, constructed and combined with each other, as hereinafter fully described.

A are the forward legs of the chair, which are extended upward to form the side bars of the back, and which are connected at their upper ends by a bar or round, a^1 , and at their lower ends by a round, a^2 . B are the rear legs, which are connected at their lower ends by a round, b^1 . The upper ends of the legs B are beveled off to fit against the rear side of the bars A, and have pins b^2 attached to them to enter holes in the bars A, several holes, a^3 , being formed in said bars A to receive the pins b^2 , to enable the inclination of the bars A to be adjusted, as required. To the outer sides of the upper ends of the rear legs B are pivoted hooks b^3 , to hook around pins a^4 attached to the sides of the bars A, as many pins a^4 being used as there are holes a^3 formed in said bars A. The hooks b^3 and pins a^4 are

designed to hold the parts of the chair together when the said chair is raised from the floor and moved from place to place. C are the side bars of the seat-frame, which are pivoted at their rear ends to the rear legs B, and at a little distance from their rear ends to the forward legs A. The bars C are connected at their forward ends by a round, c^1 , and between their pivots by a round, c^2 . D are two parallel bars, the rear ends of which are pivoted to the opposite sides of the bars A at or near the lowest hole a^3 . To and between the forward ends of the bars D is pivoted the upper end of the bar E. The lower ends of the bars E are pivoted to the seat-bars C, at a little distance from their forward ends. The bars D E thus form jointed arms to the chair. F is the cloth that forms the back and seat of the chair.

The upper end of the cloth F is secured to the top round a^1 of the bars A. The cloth F is then passed down around the front round c^1 of the seat-bars C, and its other end is attached to the rear round c^2 of the seat-bar C. The two plies of cloth F may be sewed to each other a little in front of the rear seat-round c^2 .

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination in a folding chair of front and rear legs A B, the former provided with holes a^3 and pins a^4 , while the latter has pins b^2 and hooks b^3 , as and for the purpose set forth.

2. The chair-frame formed of the front legs A, the rear legs B, the seat-bars C, and the jointed arms D E, and their rounds or cross-bars constructed and combined with each other, substantially as herein shown and described.

ERNEST SMITH.

Witnesses:

JOHN B. ADAMS,
MAURICE ADAMS.