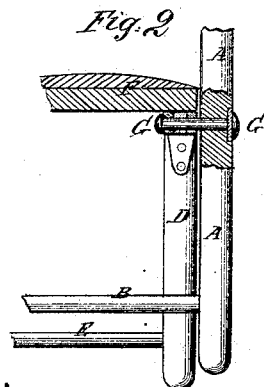
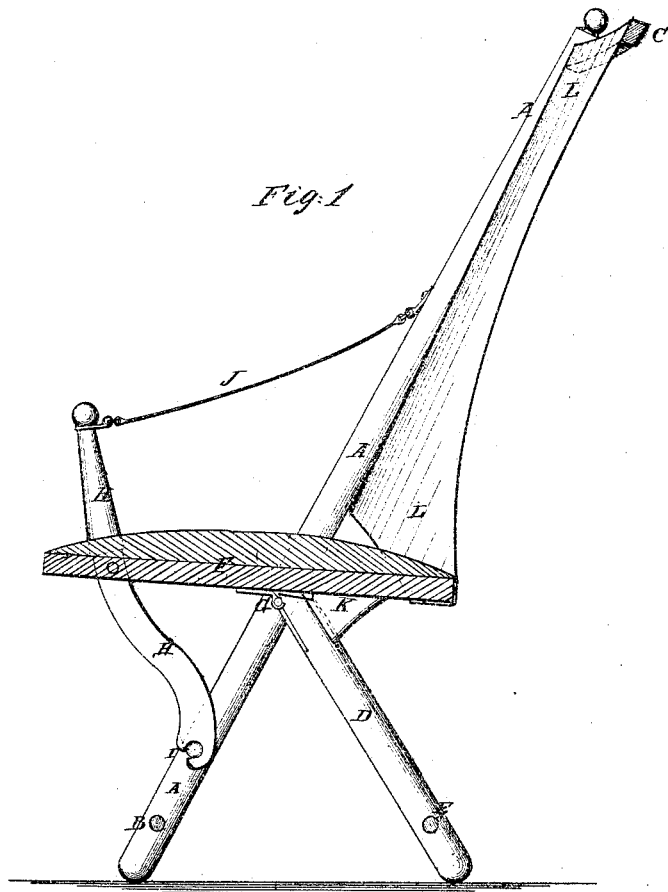


*E. Bartels,*

*Folding Chair.*

*No. 108,314.*

*Patented Oct. 18. 1870.*



**Witnesses:**

*A. W. Hingqvist*  
*L. S. Meabe*

**Inventor:**

*E. Bartels*  
PER *Wm. L. S.*  
**Attorneys.**

# United States Patent Office.

EMIL BARTELS, OF NEW YORK, N. Y.

Letters Patent No. 108,314, dated October 18, 1870.

## IMPROVEMENT IN FOLDING CHAIRS.

The Schedule referred to in these Letters Patent and making part of the same.

### *To all whom it may concern:*

Be it known that I, EMIL BARTELS, of the city, county, and State of New York, have invented a new and useful Improvement in Folding Chair; and I 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 drawing forming part of this specification, in which—

Figure 1 is a vertical section of my improved chair.

Figure 2, is a detail view, partly in section, to show the construction of the hinge.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved folding chair, simple and inexpensive in construction, convenient in use, and which may be compactly folded when not required for use; and

It consists in the chair constructed as hereinafter more fully described.

A are the forward legs of the chair, which are extended upward to form the posts or side bars of the chair-back.

The two posts or bars A are connected at their lower ends, and held in proper relative position by the round or cross-bar B, and are connected at their upper ends and held in their proper relative positions by the cross-bar C, which is slightly curved to give the proper form to the upper end of the chair-back.

D are the rear legs, the lower parts of which are connected and held in their proper relative positions by the round or cross-bar E.

The upper ends of the legs D are hinged to the side parts of the bottom or seat F by the hinges G, the pivoting pin of which is made strong, and of such a length as to pass through and be secured to the legs or posts A, as shown in figs. 1 and 2, so as to support the seat F, and pivot the said seat F and legs D to the said posts A, so that the chair may be compactly folded.

To the forward part of the side edges of the seat F are pivoted the arms or bars H, the lower ends of which are slotted to catch upon pins I attached to the said posts A, as shown in fig. 1.

To the upper ends of the arms or bars H are attached the forward ends of the flexible straps J that form the arms of the chair, and the rear ends of which are connected with the posts A at a suitable distance above the seat F. The arms or bars thus support the forward part of the chair-seat.

To the rear part of the under side of the seat F are attached triangular blocks, K, the lower forward edges of which are grooved to fit upon the upper part of the legs D, to limit the spread of said legs, and give firmness to the legs D and the seat F when the chair is extended.

The seat F may be upholstered in any desired manner.

L is the back of the chair, which is made of cloth or other suitable flexible material.

The upper edge of the back L is secured to the cross-bar C. The side edges are secured to the upper parts of the posts A, and the lower edge is secured to the under side of the rear edge of the seat F, as shown in fig. 1.

By this construction is produced a chair, neat, strong, and comfortable, firm and rigid when extended, and which may be very compactly folded.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

1. The arms H, constructed and connected with the posts A and seat F, substantially as herein shown and described, and for the purpose set forth.

2. An improved folding chair, consisting of the long posts A; cross-bars B C, rear legs D, cross-bar E, hinges G, arms or bars H, catch-pin I, flexible arms or straps J, triangular blocks K, and flexible back L, said parts being constructed, arranged, and operating substantially as herein shown and described, and for the purpose set forth.

The above specification of my invention signed by me this 29th day of August, 1870.

EMIL BARTELS.

Witnesses:

JAMES T. GRAHAM,  
T. B. MOSHER.