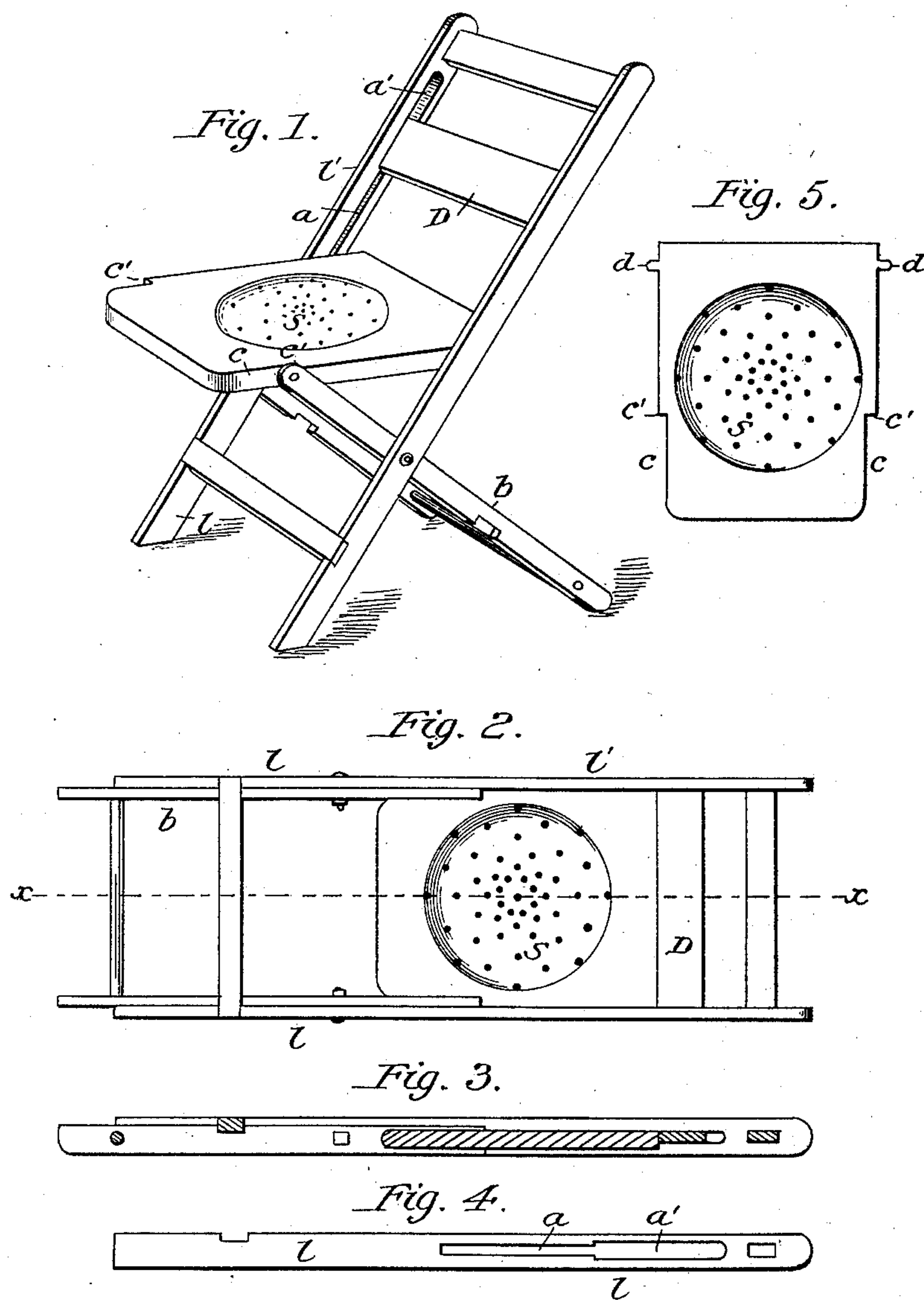


(No Model.)

L. M. FITCH.  
FOLDING CHAIR.

No. 367,749.

Patented Aug. 2, 1887.



Witnesses.

Thomas A. Clark  
C. Bendixon.

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# UNITED STATES PATENT OFFICE.

LAUREN M. FITCH, OF ROME, NEW YORK, ASSIGNOR OF ONE-HALF TO  
MOSES M. DAVIS, OF SAME PLACE.

## FOLDING CHAIR.

SPECIFICATION forming part of Letters Patent No. 367,749, dated August 2, 1887.

Application filed January 14, 1887. Serial No. 224,331. (No model.)

*To all whom it may concern:*

Be it known that I, LAUREN M. FITCH, of Rome, in the county of Oneida, in the State of New York, have invented new and useful  
5 Improvements in Folding Chairs, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to the class of chairs  
10 which have their component members pivoted to each other in such a manner as to allow the chair to be folded compactly within one uniform plane; and the invention consists in an improved construction and combination of parts, as hereinafter more fully  
15 described, and specifically set forth in the claim.

In the annexed drawings, Figure 1 is a perspective view of my improved folding chair  
20 in position for use. Fig. 2 is a plan view of the same in its folded condition. Fig. 3 is a longitudinal section on line *x x*, Fig. 2. Fig. 4 is a detached side view of the combined front leg and side rail of the back, and Fig. 5 is a  
25 detached plan view of the seat or seat-frame.

Similar letters of reference indicate corresponding parts.

*l l* and *b b* represent, respectively, the front and rear legs of the chair. When the chair is  
30 in position for use, the front legs, *l l*, are inclined rearward with their upper ends, and the rear legs, *b b*, are inclined forward with their upper ends, and are pivoted intermediate their lengths to the inner sides of the front legs, *l l*.

*l' l'* represent the two side rails of the back of the chair, each of which side rails I form in one piece with the subjacent front leg, *l*. The inner sides of the side rails, *l' l'*, I provide with longitudinal grooves *a a'*, the upper portion, *a'*, of each of which I make wider than the lower portion, *a*, and join it therewith by abrupt offsets *e* in the sides of the grooves. Lengthwise in the upper and wider portions of the grooves *a'* are fitted to slide the ends of  
40 a cross-plate, D, constituting an intermediate back-support.

S denotes the seat or seat-frame, the front portion of the sides of which I provide with notches *c c*, terminating with offsets *c'*, and at

the rear ends of said notches I pivot the upper ends of the rear legs, *b b*, to the sides of the seat-frame.

From the side edges of the rear portion of the seat-frame project lugs *d d*, which enter the lower portions, *a*, of the grooves in the side rails, *l' l'*, and form a sliding connection of the seat-frame on the back-frame of the chair.

When the chair is in position for use, as represented in Fig. 1 of the drawings, the lugs *d d* rest on the lower ends of the grooves *a* and thus support the rear portion of the seat, the front portion of the same being supported on the upper end of the legs *b b*, and the offsets or shoulders *c'* at the end of the notches bearing on the back edges of the upper end of the legs *b b*, limits the movement of the said legs so as to prevent the front of the seat from descending below a horizontal position.

In folding the described chair into its most compact condition, the rear portion of the seat S slides upward between the side rails, *l' l'*, of the back, and in said movement it pushes up with it the cross-plate D, as represented in Figs. 2 and 3 of the drawings. The rear legs, *b b*, folding along the inner sides of the legs *l l*, brings all the members of the chair within the plane of the combined front legs, *l*, and side rails, *l'*.

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

The combination of the front legs, *l*, and side rails, *l'*, of the back at each side of the chair formed in one piece, and the inner sides of said side rails having longitudinal grooves *a a'*, the upper portion of each of which is wider than the lower portion and joined therewith by abrupt offsets *e* in the sides of the grooves, a cross-plate, D, sliding with its ends in the upper and wider grooves, *a'*, the rear legs, *b b*, inclined with their upper ends toward the front and pivoted intermediate their lengths to the inner sides of the legs *l l*, and the seat-frame S, provided with notches *c c*, terminating with offsets *c'*, and pivoted at said notched portions to the upper ends of the legs *b b*, and lugs *d d*, pro-

jecting from the sides of the seat-frame and sliding in the lower and narrower portions of the grooves *a*, substantially as described and shown.

5 In testimony whereof I have hereunto signed my name and affixed my seal, in the presence of two attesting witnesses, at Syra-

cuse, in the county of Onondaga, in the State of New York, this 6th day of January, 1887.

LAUREN M. FITCH. [L. s.]

Witnesses:

H. P. DENISON,  
C. BENDIXON.