

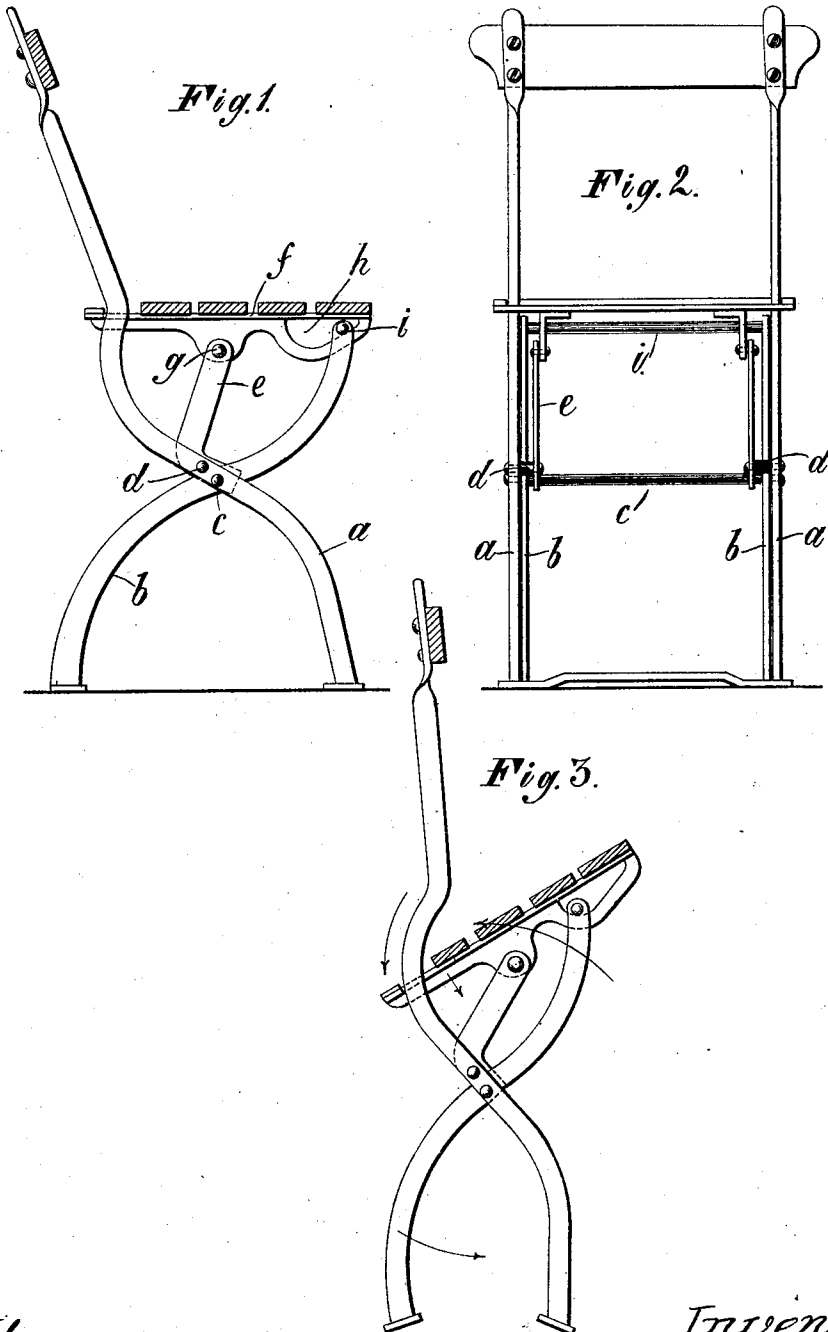
No. 688,468.

Patented Dec. 10, 1901.

H. L. C. F. IHDE.  
FOLDING CHAIR.

(Application filed May 10, 1900.)

(No Model.)



Witnesses:  
Frank D. Ober  
Walter M. Chapin

Inventor  
H. L. C. F. Ihde  
by Wm. H. Rosenthal atty.

# UNITED STATES PATENT OFFICE.

HEINRICH LUDWIG CARL FRIEDRICH IHDE, OF HAMBURG, GERMANY.

## FOLDING CHAIR.

SPECIFICATION forming part of Letters Patent No. 688,468, dated December 10, 1901.

Application filed May 10, 1900. Serial No. 16,151. (No model.)

*To all whom it may concern:*

Be it known that I, HEINRICH LUDWIG CARL FRIEDRICH IHDE, a citizen of Germany, residing at Hamburg, in the German Empire, have invented certain new and useful Improvements in Folding Chairs, (for which I have applied for patents in England, No. 6,066, dated March 31, 1900; in Denmark, No. 352, dated March 29, 1900, and in Germany, No. I 5,504<sup>v</sup>/34<sup>d</sup>, dated December 4, 1899,) of which the following is a specification.

This invention relates to an improved folding chair which is so constructed as that when it is lifted by its back part in an ordinary manner its leg-frames are caused, by means of stays secured to one thereof and pivotally connected to the seat, to fold inward toward each other and to correspondingly change the position of the seat.

On the accompanying drawings, Figure 1 represents the improved chair in sectional elevation in position for use. Fig. 2 represents a back elevation of the chair in the same position; and Fig. 3 represents a like view to Fig. 1 of the chair, representing the same in the act of automatically folding together when being lifted.

*a* represents the back and fore-leg frame, and *b* represents the rear-leg frame, these frames being pivotally mounted on an axle *c*. The back part of the frame *b* is made heavier than its fore part, so that when the chair is lifted by means of the back part of the frame *a* the lower part of the frame *b* will fall toward the lower part of the frame *a*.

*e* represents the stays, which are secured in a fixed position in relation to the leg-frame *a* by being secured thereto by bolts *d* and also to the axle *c*.

*f* represents the seat-supports, which are pivotally secured to the tops of the stays at *g*, about which they can turn. They are provided with recesses *h*, through which a rod *i*, connecting the top front ends of legs *b*, is passed. These recesses have rearwardly and downwardly inclined cam-surfaces, which upon the chair-frame *a* being lifted are engaged by the rod *i* to uptilt the seat about its pivots *g* as a center until the seat overbalances and automatically causes the completion of the folding together of the chair-frames. The rod *i* also serves to return the seat to its normal position upon the chair-frame *b* being again set down, and in such position the bolts *d* act as stops to the frame *a*.

The stays *e* may be made of any suitable shape or form.

What I claim, and desire to secure by Letters Patent of the United States, is—

In a folding chair, the combination of two leg-frames crossed and pivoted together, one of said frames carrying fixed stays, and the other being weighted at its lower end and provided with a cross-rod at its upper end, a seat-frame pivoted near its middle to the said stays and being provided with openings through which said cross-rod extends, said openings having cam-surfaces which engage with the cross-rod to cause the seat-frame to fold when the chair is lifted by its back, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two witnesses.

HEINRICH LUDWIG CARL FRIEDRICH IHDE.

Witnesses:

E. H. L. MUMMENHOFF

IDA HAUFERMANN.