

No. 715,483.

Patented Dec. 9, 1902.

G. J. KELLEY.  
FOLDING CHAIR.

(Application filed June 20, 1902.)

(No Model.)

Fig. 1

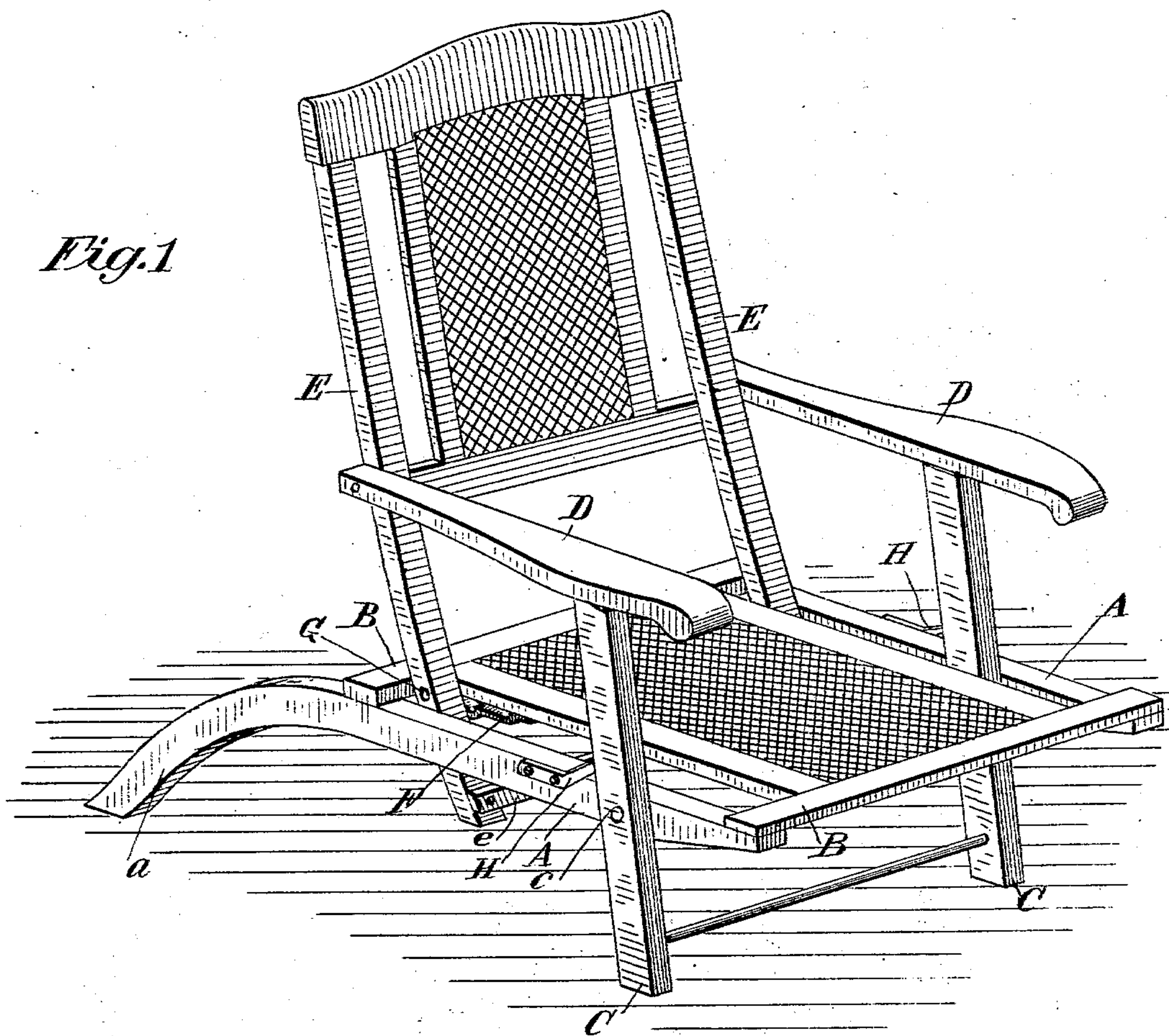


Fig. 2

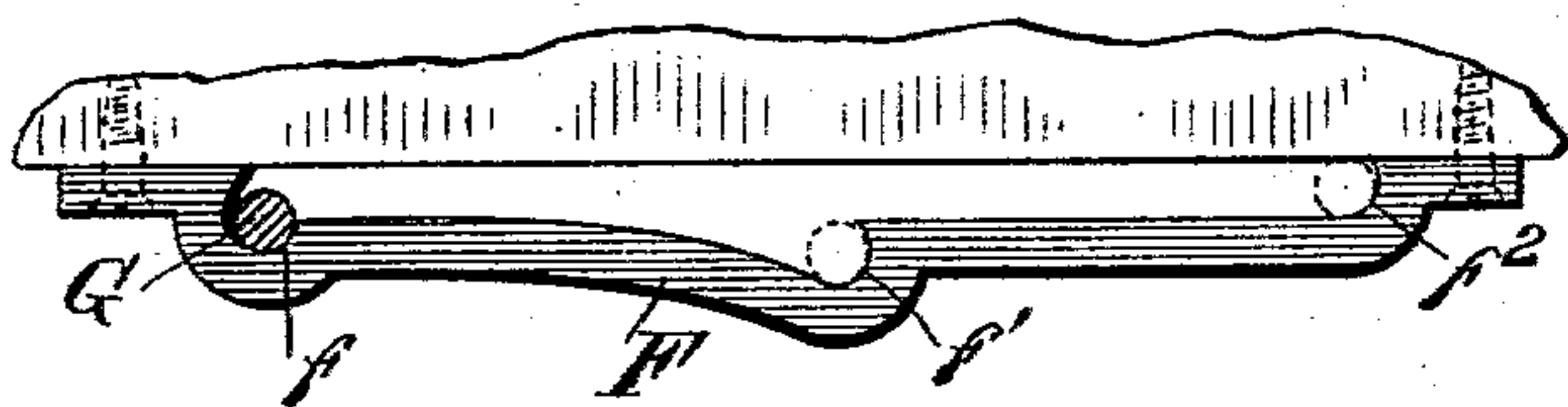
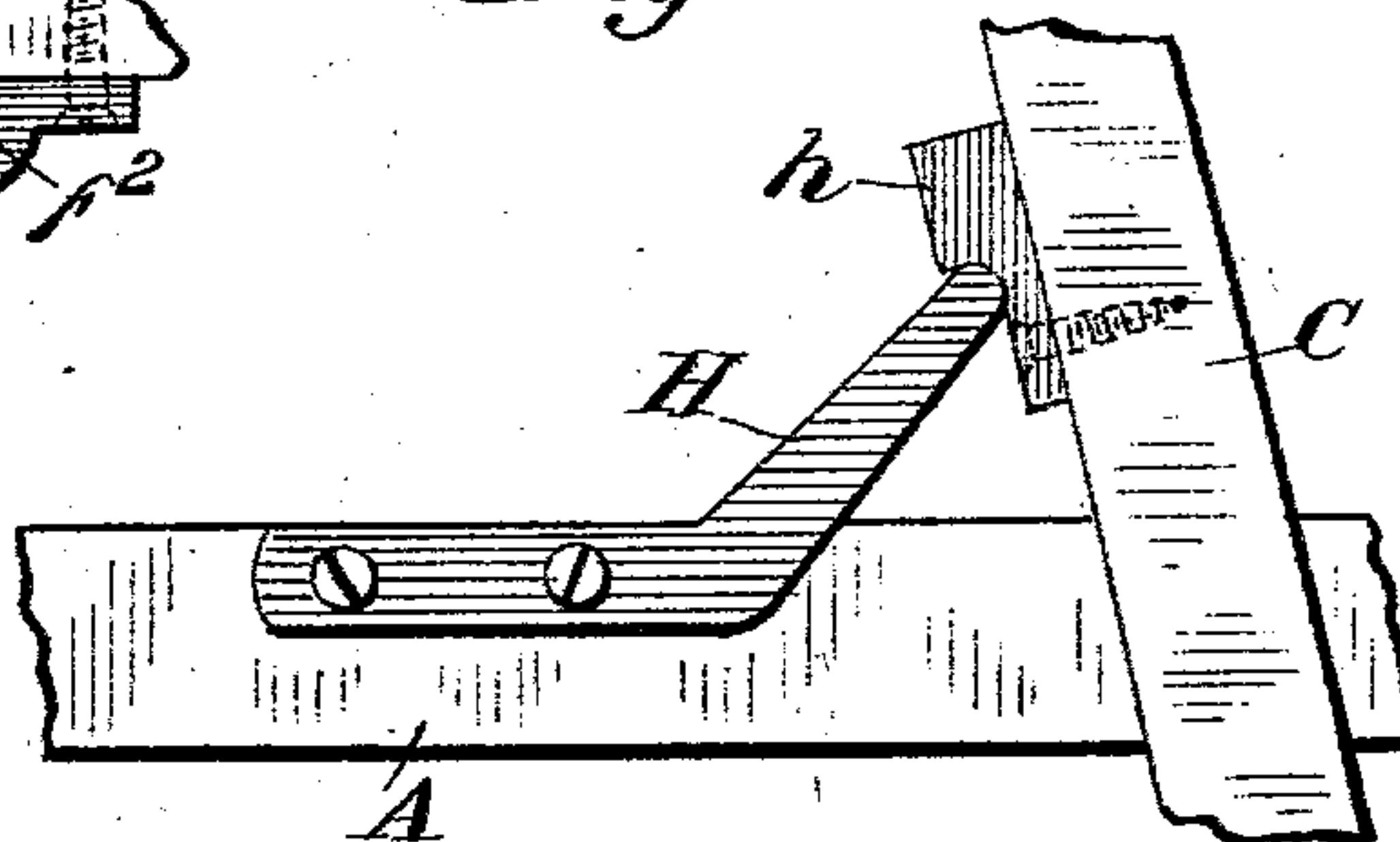


Fig. 3



Witnesses  
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# UNITED STATES PATENT OFFICE.

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## FOLDING CHAIR.

SPECIFICATION forming part of Letters Patent No. 715,483, dated December 9, 1902.

Application filed June 20, 1902. Serial No. 112,480. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE JOSEPH KELLEY, a citizen of the United States, residing in the borough of Manhattan, city and State of New York, have invented certain new and useful Improvements in Folding Chairs, of which the following is a specification.

This invention constitutes an improvement upon folding chairs of the character disclosed in the patent of Collignon, No. 668,489, dated February 19, 1901, and comprises a special feature of construction hereinafter set forth.

In the accompanying drawings, Figure 1 is a perspective view; and Figs. 2 and 3, detail views, on an enlarged scale.

The side bars A, curved prolongations *a* of which form the rear legs, are tied together at front and rear by seat-supporting bars B B. The front legs C C are pivotally connected at *c* to the side bars and, extending upward thereupon, are hinged to the horizontal arms D D, which at their rear ends are pivotally connected with the sides E E of the back, which extends below the seat and are cross-connected by a brace *e*. This construction is shown in the patent above mentioned.

On each side of the bottom of the seat, adjacent its rear bar B, is fastened a metal ratchet-plate F, having three sockets *f f' f''* for the reception of a locking-pin G, fixed in the side of the back and projecting inward into the space between the bottom of the seat and the ratchet-plate. The back may be adjusted so that the pins G will seat in either of the sockets, as indicated in Fig. 2. This structure avoids weakening any part of the woodwork by slotting it, and as the ratchet or adjusting devices are located under the seat they are out of the way and not liable to catch the dresses of women or the curtains or hangings of a room.

To resist the rearward strain that occurs when the weight of the occupant is thrown upon the back of the chair, a metal stop-arm H is bolted to each side bar A and inclines upwardly toward the front leg or part C, where it abuts against a metal block *h*, secured thereto at a substantial distance above the joint *c*. In this way the leverage of the

strain which tends to bend the bolt at *c* and break the stop-arm away from the side bar is reduced considerably from what it would be if the stop H engaged the part C close to the joint *c* as it does in the Collignon patent.

I claim as my invention—

1. An adjustable folding chair having rear legs rigid with side bars A, a seat connected at front and rear with the side bars by cross-pieces B, the front legs pivotally connected at *c* with the side bars and extending above them, the arms hinged to the tops of the front legs, the back pivoted to the rear ends of the arms and having side pieces extending through the spaces between the side bars A and sides of the seat, metal ratchet-plates having teeth in their upper faces secured to the bottom of the seat at the rear of the sides thereof, and pins on the side pieces of the back projecting inwardly between the toothed faces of the ratchet-plates and the bottom of the seat, the combination being and operating substantially as set forth.

2. An adjustable folding chair having rear legs rigid with side bars A, a seat connected at front and rear with the side bars by cross-pieces B, the front legs pivotally connected at *c* with the side bars and extending above them, the arms hinged to the tops of the front legs, the back pivoted to the rear ends of the arms and having side pieces extending through the spaces between the side bars A and sides of the seat, metal ratchet-plates having teeth in their upper faces secured to the bottom of the seat at the rear of the sides thereof, and pins on the side pieces of the back projecting inwardly between the toothed faces of the ratchet-plates and the bottom of the seat, stops applied to the side bars, extending upwardly therefrom and engaging the front leg parts at a substantial distance above the pivot *c*, the combination being and operating substantially as set forth.

In testimony whereof I have hereunto subscribed my name.

GEORGE JOSEPH KELLEY.

Witnesses:

EZEK. FIXMAN,  
W. R. STAHLIN.