



# UNITED STATES PATENT OFFICE.

JAMES P. GAGE, OF FAIRFIELD, IOWA.

## FOLDING CHAIR.

SPECIFICATION forming part of Letters Patent No. 417,819, dated December 24, 1889.

Application filed July 10, 1889. Serial No. 317,011. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES P. GAGE, of Fairfield, in the county of Jefferson and State of Iowa, have invented certain new and useful  
5 Improvements in Folding Chairs; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked  
10 thereon, which form part of this specification, in which—

Figure 1 is a perspective view of my improved chair as a rocker. Fig. 2 is a detail sectional view showing the attachment of the  
15 arms to the back. Fig. 3 is a view of the chair folded, the seat being removed. Fig. 4 is a detail sectional view showing the seat-fastenings.

This invention is an improvement on folding chairs; and its object is to improve the chair described and shown in my Patent No. 369,931, to strengthen such chair, and to provide a removable upholstered seat therefor; and to this end it consists in the novel construction and combination of parts, as hereinafter described and claimed.

Referring to the accompanying drawings by letters, A A designate the inner pair of legs, and B B the outer pair of legs. Legs A  
30 A are connected at top and bottom by cross-pieces *a a'*, and at center by a bracing-piece B', and legs B B are connected at top and bottom by cross-pieces *b b'*. The legs are double curved, their extremities turning in opposite  
35 directions, as in my patent referred to, and the legs B B stand farther apart than legs A A, the latter lying between the legs B B, and centrally connected thereto by means of a rod C and nuts *c c*, as shown, said rod passing through or beside brace B', and washers  
40 are interposed between the legs A and B to prevent rubbing. By this means the legs can be securely bound together without bending or warping thereof laterally, and the brace  
45 B' and rod C virtually connect each and all of the legs, insuring a substantial support for the seat.

E designates the back, having side pieces E' E', curved similarly to the legs and connected by cross-pieces *ee'*, the space between which may be upholstered, as at *f*, or caned, or ornamented in any desired manner. The

pieces E' are hinged at their lower ends to the legs A A by means of bolts F F, as shown. These bolts F F pass through legs A below  
55 the upper edge of piece *a*, or about three inches from tops of legs A, so as to permit the back to fold in the desired position shown. The back corresponds in width to the leg-frame B, and its side pieces E' are exterior  
60 to legs A.

G G designate the arm-pieces, the front ends of which are bent downward and pivoted by bolts H to the upper ends of legs B B, exterior thereto, as shown, and their rear ends  
65 are longitudinally and horizontally slotted, as at *g g*, said slots extending about half the length of the arms and having a locking-notch *g'* at their rear ends, as shown. G' G' are finishing-pieces secured on the outer faces of  
70 the arms and closing the outer side of the slot, said finishing-pieces being hollowed, as shown at *g'*, Fig. 2. *h h* are bolts secured to the side pieces E' above the legs A and entering slots *g*, the bolts projecting through  
75 the slot and having enlarged heads *h'*, which are protected by pieces G'. The arms are thus adjustably connected to the back.

I designates the seat-frame, of suitable construction, and which may be plain, caned, or  
80 upholstered, as shown. This frame is provided on its under surface with pairs of transverse strips *i* and J at its front and rear ends, between which strips the pieces *a* and *b* of leg-frames A and B are received, and there-  
85 by the leg-frames are rigidly locked, as is evident.

*j j* are turn-buttons secured to the inner strips J, which, when the seat is in position, are turned to engage notches *j'* in the inner  
90 faces of strips *a* and *b*, as shown, thus effectually preventing disengagement of the seat and leg frames and closing of the chair.

The chair-legs may be provided with rockers K, as indicated, which are connected to the  
95 legs in any suitable manner that will permit the chair to be folded when desired, and the seat is removed in folding the chair, but may be placed between the back and leg frames during transportation of the chair.

Having thus described my invention, I  
claim—

In a folding chair, the combination of the inner and outer leg-frames composed of curved

legs united by cross-pieces and hinged together, substantially as described, with a removable seat-frame having transverse strips engaging the upper cross-pieces of the leg-frames to prevent spreading thereof, and having turn-buttons engaging notches in the said cross-pieces to lock the seat thereon, the back pivoted to the upper end of one leg-frame, and the curved and slotted arms pivoted to the upper ends of the other pair of legs and

engaging headed bolts on the back, all substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JAMES P. GAGE.

Witnesses:

C. W. SAVILLE,

A. E. LOWELL.