

UNITED STATES PATENT OFFICE.

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FOLDING CHAIR.

SPECIFICATION forming part of Letters Patent No. 491,215, dated February 7, 1893.

Application filed January 11, 1892. Serial No. 417,748. (No model.)

To all whom it may concern:

Be it known that I, CYRUS KEHR, a citizen of the United States, residing at Lakeside, in the county of Cook and State of Illinois, have
5 invented certain new and useful Improvements in Folding Chairs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-
10 pertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

In an application executed and filed by me
15 January 11, 1892, Serial No. 417,747, I claim broadly a folding chair having in combination side rails, legs, seat, hinged to said legs at its front, and a link connection joining the rear of the seat with the side rails. But in
20 said application, no specific claim is made for such a link connection consisting of distinct bars located one at each side of the chair and connecting the rear of the seat with a portion of the side rails above the seat.

25 In the accompanying drawings—Figure 1 is a front elevation of a chair embodying my improvement. Fig. 2 is a side elevation of the same when folded. Fig. 3 is a side elevation of the same unfolded. Figs. 4, 5, and 6
30 are details of a modification.

A, A, are side rails separated from each other a little more than the width of the seat of the chair.

B is the seat.

35 C, C, are legs supporting the front of the seat. Said legs are preferably located between the side rails, A, A, and pivoted on a rung extending through said legs and said side rails. At their lower end said legs may be
40 joined to each other by a rung, C', or otherwise. The upper ends of the side rails may or may not be joined to each other by a bar, B³. At their upper ends, said legs, C, C, are hinged to the front of the seat, B.

45 D is the back of the chair. This is located above the seat, B, and between the side rails, A, A, and hinged to the latter at D', which hinge is preferably located in the front half of the side rails, A, A, so that the upper end
50 of the back shall occupy the front half of the space between the side rails, A, A. The lower

end of the back may be free, as shown in Figs. 1, 2, and 3. From each rear corner of the seat, B, a link, E, extends upward and is hinged at its upper end to the adjacent side
55 rail, A, at E'. At the lower end the junction between said link and the seat is formed by a hinge E². The elevation of the hinge E' is such as to allow the link, E, to turn rearward and upward upon said hinge and lie
60 lengthwise between the side rails, A, A, when the seat, B, and the upper ends of the legs, C, C, have moved rearward and lie lengthwise between the side rails, A, A, as shown
65 in Fig. 2. The back, D, may be retained at its lower end against rearward movement by stops, e, upon the links, E, or otherwise. Or the back may be omitted altogether; or it may be made stationary in the front portion of the
70 space between the side rails, A, A.

When the chair has been folded as shown in Fig. 2, the hinge formed on the rung A', the hinge joining the legs, C, C, and seat, B, the hinge joining the seat, B, and links, E, E, are substantially in line, and the meeting
75 ends of the legs, C, C, and the seat, B, may be moved either forward or backward. The forward movement is the proper one and the movement in the opposite direction is prevented by a stop, A³, applied to one or both of
80 the side rails, A, A, and made to extend into the way of the legs, C, C, or the seat, B.

To prevent the upper end of the legs, C, C, and the seat, B, from moving forward and downward, a stop, B² of any suitable form and
85 supported by the seat, B, or links, E, may be fitted to engage the side rails, A, A, from the rear.

In the modification illustrated in Figs. 4, 5, and 6, the edges of the back adjacent to the
90 hinge E' are provided with a slot, d, in the faces toward the side rails, A, A, and the links, E, are extended upward and into line with the back when the latter is at its rear-most limit of movement. At such upper end, 95
said link supports a stud, e', which extends loosely into said slot, d. When the portion of the link below the hinge E' is turned rearward, the portion of said link above said
100 hinge will move forward and carry the stud e' forward, and said stud carries the lower portion of said back forward until said exten-

sion is in a line at right angles to the length of the side rails, A, A. Thereafter, on carrying the lower end of the link, E, upward, the stud, *e'*, will approach the plane of the side rails, A, A, and move the lower portion of the back, D, rearward until it rests in the front portion of the space between the side rails, A, A. Thus the back is automatically placed into its two positions.

10 I claim as my invention—

1. The combination of the side rails, A, A, legs, C, C, hinged to said side rails, seat, B, hinged by its front end to the front ends of said legs, links, E, hinged by their lower ends to the rear of said seat and by their upper ends to the side rails, A, A, and a stop for limiting the forward movement of said seat and the legs, C, C, substantially as shown and described.

2. The combination of the side rails, A, A, legs, C, C, hinged to said side rails, seat, B, hinged by its front end to the front ends of said legs, links, E, hinged by their lower ends to the rear of said seat and by their upper ends to the side rails, A, A, and a stop for limiting the forward movement of said seat and the legs, C, C, and a stop for limiting the rearward movement of said seat and legs, substantially as shown and described.

3. The combination of the side rails, A, A, legs, C, C, hinged to said side rails, seat, B, hinged by its front end to the front ends of said legs, links, E, hinged by their lower ends to the rear of said seat and by their upper ends to the side rails, A, A, and a stop for limiting the forward movement of said seat and the legs, C, C, and a back located between the side rails, A, A, substantially as shown and described.

4. The combination of the side rails, A, A, legs, C, C, hinged to said side rails, seat, B, hinged by its front end to the front ends of said legs, links, E, hinged by their lower ends to the rear of said seat and by their upper ends to the side rails, A, A, a stop for limit-

ing the forward movement of said seat and the legs, C, C, and a stop for limiting the rearward movement of said seat and legs, and a back located between the side rails, A, A, substantially as shown and described.

5. The combination of the side rails, A, A, legs, C, C, hinged to said side rails, seat, B, hinged by its front end to the front ends of said legs, links, E, hinged by their lower ends to the rear of said seat and by their upper ends to the side rails, A, A, a stop for limiting the forward movement of said seat and the legs, C, C, and a hinged back located between said side rails, A, A, substantially as shown and described.

6. The combination of the side rails, A, A, legs, C, C, hinged to said side rails, seat, B, hinged by its front end to the front ends of said legs, links, E, hinged by their lower ends to the rear of said seat and by their upper ends to the side rails, A, A, a stop for limiting the forward movement of said seat and the legs, C, C, a stop for limiting the rearward movement of said seat and legs, and a hinged back located between said side rails, A, A, substantially as shown and described.

7. The combination of the side rails, A, A, legs, C, C, hinged to said side rails, seat, B, hinged by its upper end to the upper ends of the legs, C, C, links, E, E, hinged by their lower ends to the rear of said seat, and hinged above said seat to the side rails, A, A, and extending above said last-mentioned hinge and having laterally-directed studs, *e'*, a back hinged by its upper end to the side rails, A, A, and having a slot, *d*, into which the studs *e'* extend, substantially as shown and described.

In testimony whereof I affix my signature, in presence of two witnesses, this 5th day of 85 January, in the year 1892.

CYRUS KEHR.

Witnesses:

AMBROSE RISDON,
FRANK L. STEVENS.