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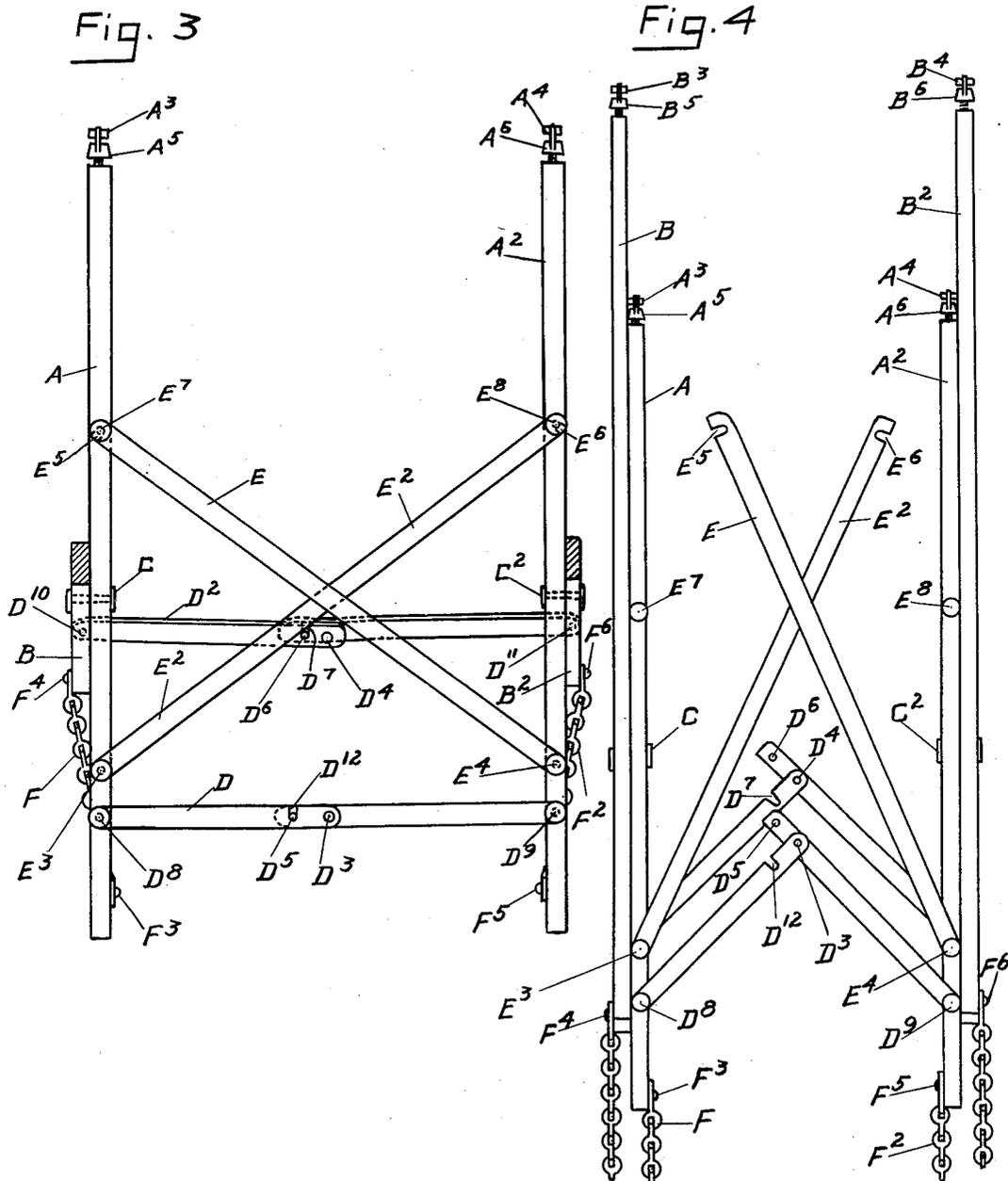
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1,957,286

FOLDING CHAIR

Filed April 3, 1933

3 Sheets-Sheet 2



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Fig. 5

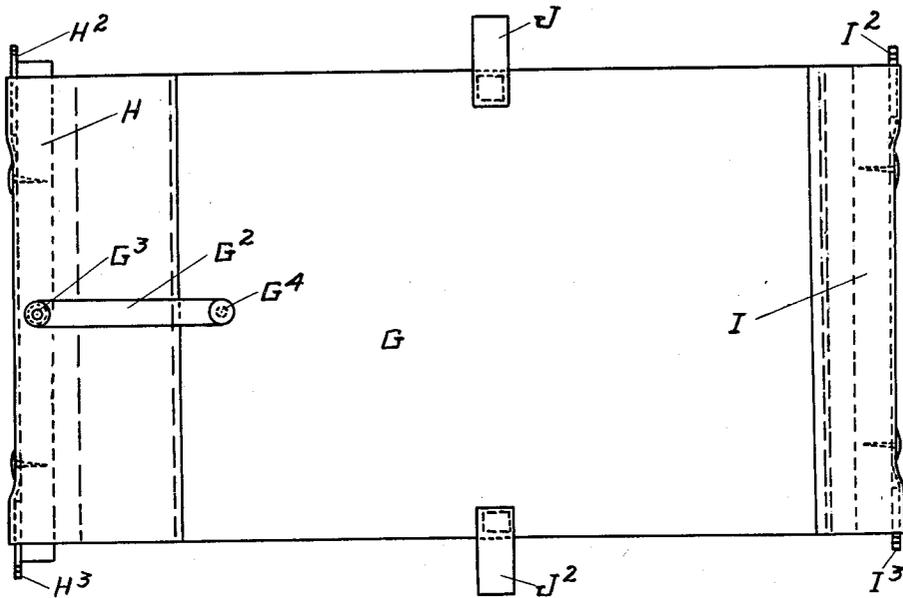


Fig. 6

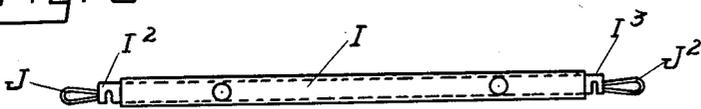
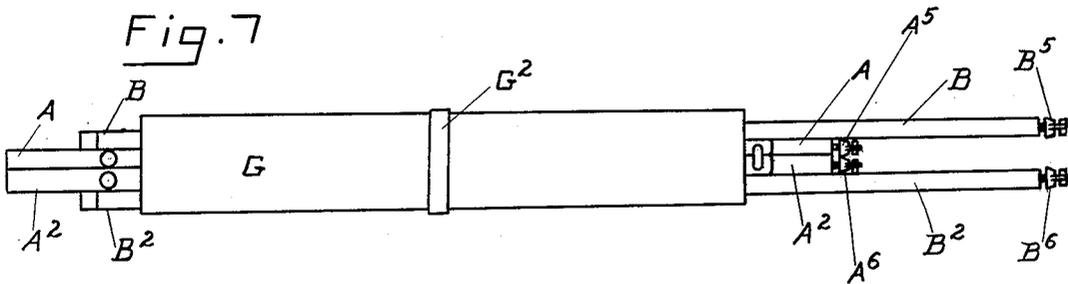


Fig. 7



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UNITED STATES PATENT OFFICE

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FOLDING CHAIR

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1 Claim. (Cl. 155—143)

This invention relates to folding chairs. It has for its purposes to provide a chair of extreme lightness, rigidity, and strength, and capable of folding into a compactness that renders it available for carrying to and from beach resorts, band concerts, or other places where such chairs are desirable for use.

Referring to the accompanying drawings which form a part of this specification and in which similar letters of reference refer to similar parts throughout the various views, Figure 1 shows a side view of my improved chair in set up position. Figure 2 shows a view of the side sections, in folded position, the hinged cross pieces, and diagonal braces being in set up position. Figure 3 shows a top view of a part of two portions of the side sections, the whole of two other parts of said side sections, the hinged cross pieces and diagonal braces in set up position on the line 3—3 in Figure 1. Figure 4 shows the whole of all parts shown in Figure 3 in semi-folded position, the side sections being shown folded parallel. Figure 5 shows a plan view of the flexible seat portion and attached cross pieces which are adaptable to engage the tops of said side sections when the chair is assembled for use. Figure 6 shows an end view of the flexible seat and attached cross pieces shown in Figure 5. Figure 7 shows the chair in folded form for carrying.

Referring again to Figures 1, 2, 3, and 4, A and B, A² and B² show the component parts or the side sections which are hinged in pairs, A and B and A² and B² by the rivets C and C². D and D² show the cross pieces swivelled at their ends on the pins D³ and D⁹, and D¹⁰ and D¹¹, hinged at their center at D³ and D⁴ and having fixed stops D⁵ and D⁶ in which register the slots D² and D⁸ for rigid locking. E and E² show the diagonal braces extending from one side section A to the other A² in order to hold the sections firm and avoid side sway. The braces E and E² are respectively swivelled at one end on the pins E³ and E⁴, and notched E⁵ and E⁶ at their opposite ends, which notches are adaptable to register and engage with the beaded pins E⁷ and E⁸ to add rigidity to the frame when the chair is in set-up position. Spreader chains F and F² are respectively secured to the portions A and B and A² and B² at F³ and F⁴ and F⁵ and F⁶ to tie the side sections when in open position and avoid over-spreading of said sections.

Referring again to Figures 5, 6, and 7, G shows the flexible seat portion. G² shows the fastening tab swivelled at G³ to the flexible top G and provided with a socket fastener G⁴ which fits over

the button G³. H and I show cross pieces with engaging extensions H² and H³ and I² and I³ thereon, adaptable to engage the threaded pins A³ and A⁴ and B³ and B⁴ at the tops of the side sections A and B and A² and B², and locked in position thereon by the winged nuts A⁵ and A⁶ and B⁵ and B⁶. J and J² show flexible loops secured to the seat portion which loops are respectively adaptable to fit over and encircle the portions B and B² when the chair is assembled for use.

Having thus described my invention, I claim as new and desire to secure by Letters Patent of the United States of America:—

A folding chair comprising two sets of side sections, each set consisting of two pieces pivoted crosswise intermediate the ends thereof, a plurality of cross pieces extending from one of said sets to the other, said cross pieces hinged midway their ends so as to fold upon themselves, and having locking means designed to positively hold said cross pieces in extended position, a plurality of braces adaptable to extend diagonally from one of said sets to the other, one end of said braces being pivotally hinged on one set and having means at its other end for locking with an element mounted on the opposite set, two cross pieces detachably engaging the tops of said side sets, a flexible seat portion connecting said last mentioned cross pieces, two flexible loops secured respectively to the opposite edges of said flexible seat portion intermediate its ends, each respectively encircling one of the pieces of said side sections so as to hold said seat portion in its intended position, and create a crease in said flexible seat, said crease forming and indicating a line of demarcation between the seat and back portion of the chair when assembled for use, and two chain members, each connecting the respective lower ends of each pivoted side section to prevent the collapse of the chair in use.

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