

(No Model.)

2 Sheets—Sheet 1.

C. C. MCPHEE & I. E. BROCK.
CHAIR COT.

No. 523,903.

Patented July 31, 1894.

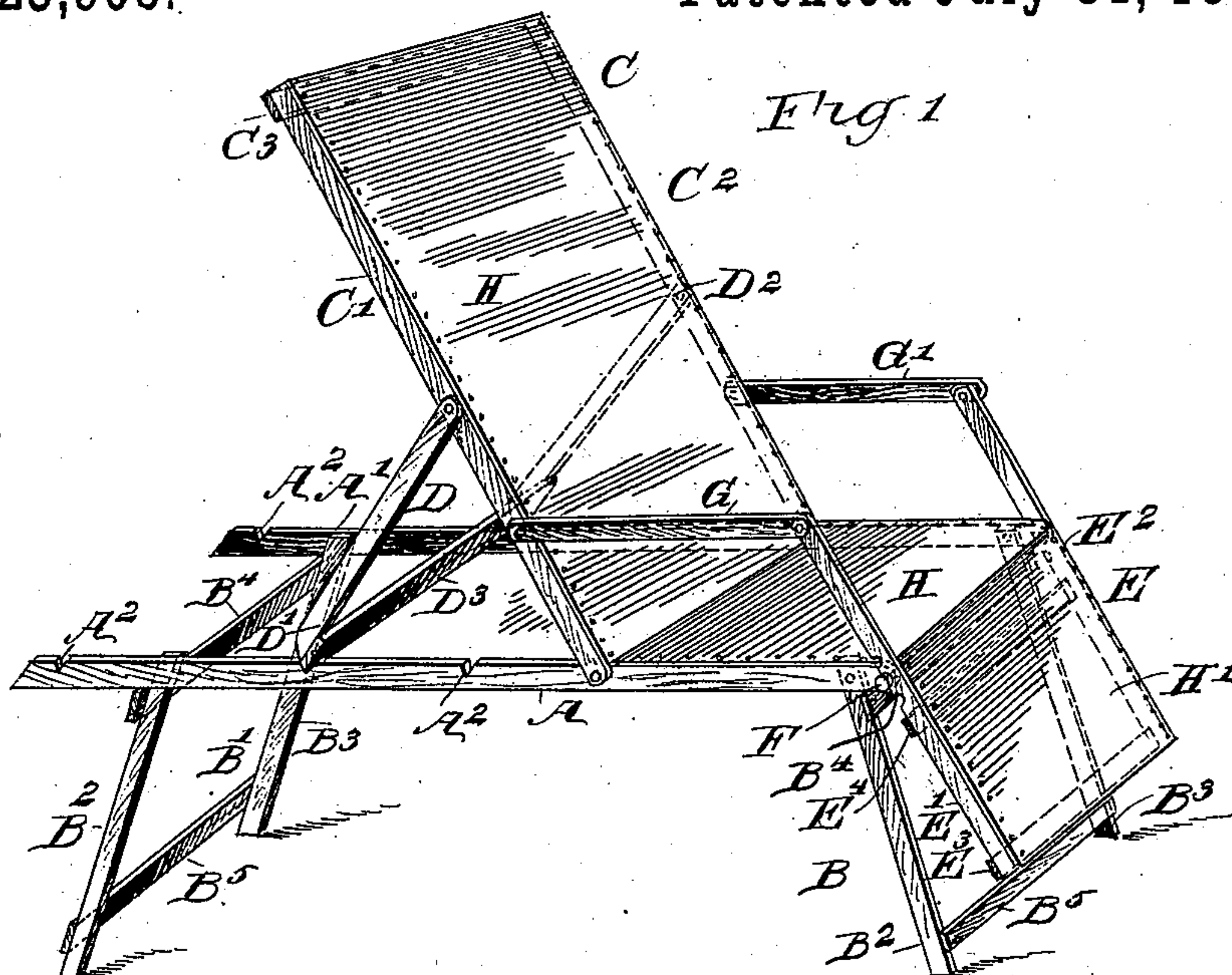


Fig. 2.

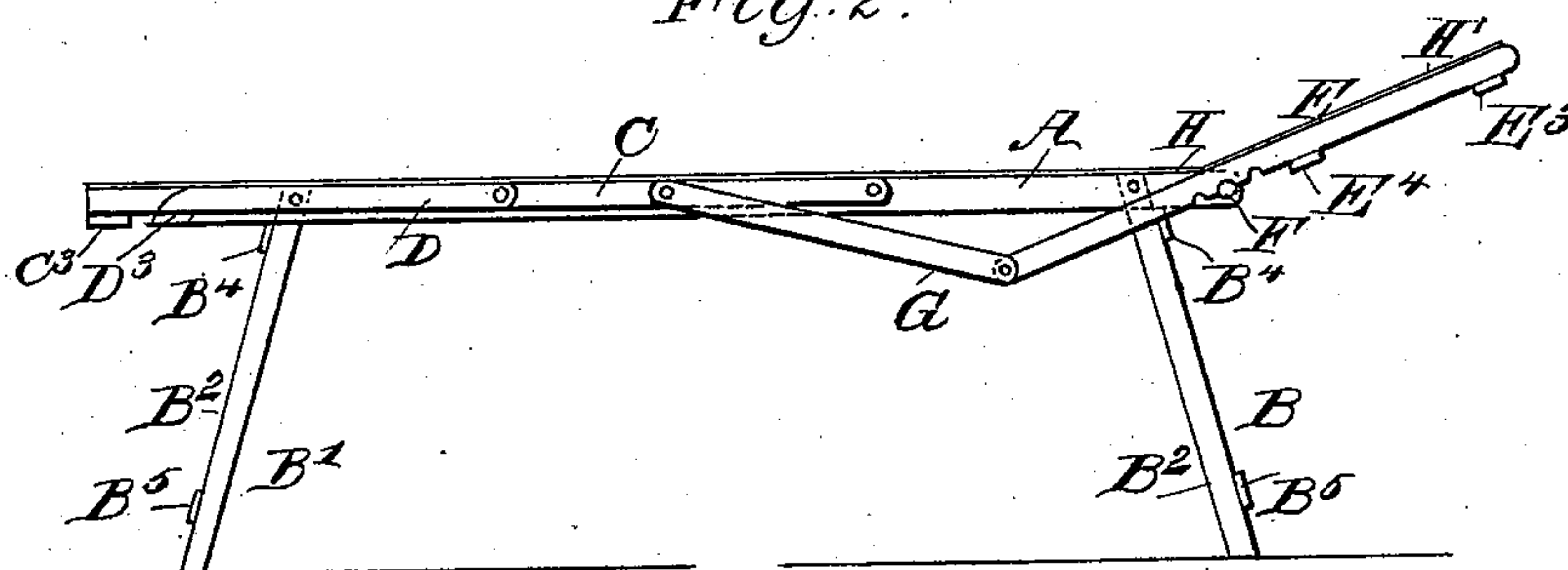
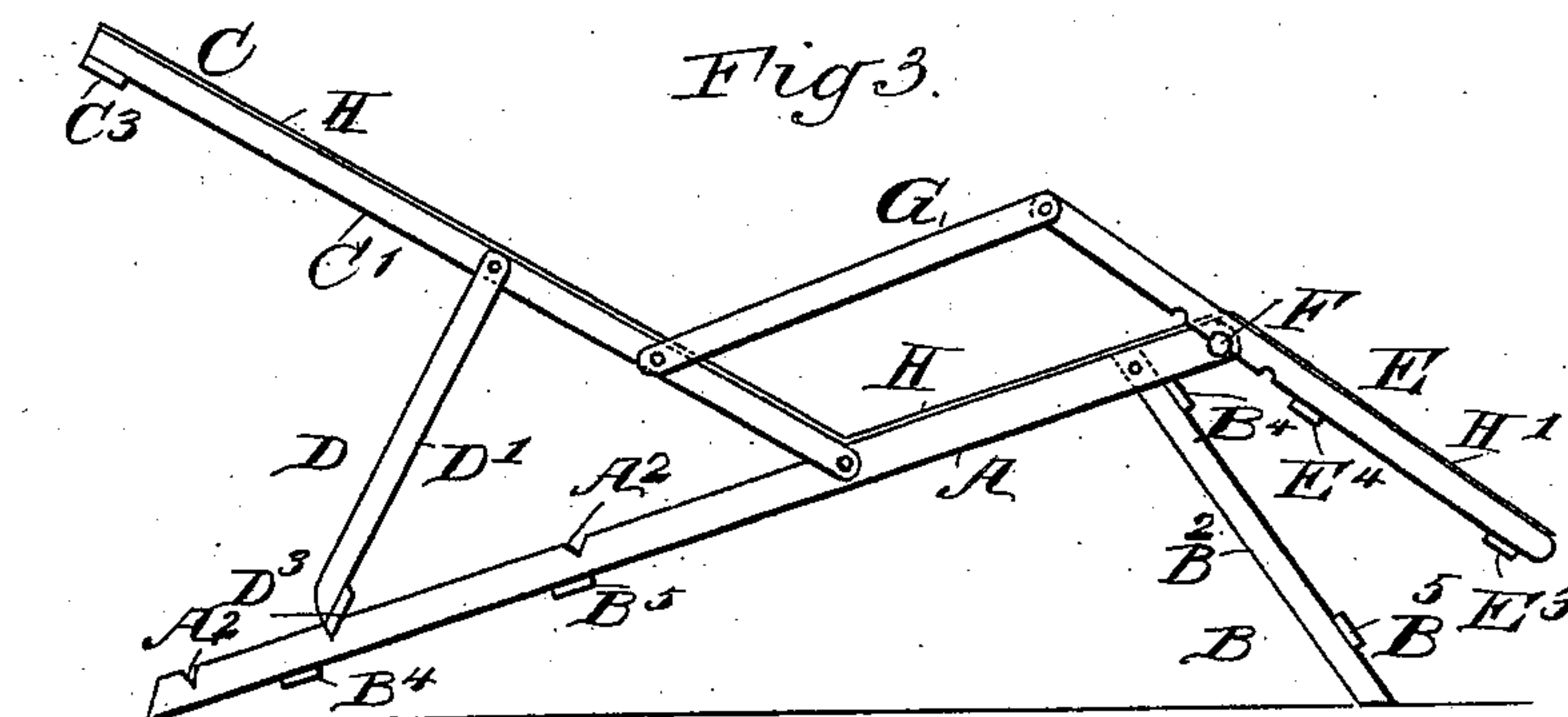


Fig. 3.



WITNESSES:

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C. Sedgwick

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C. C. McPhee
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ATTORNEYS.

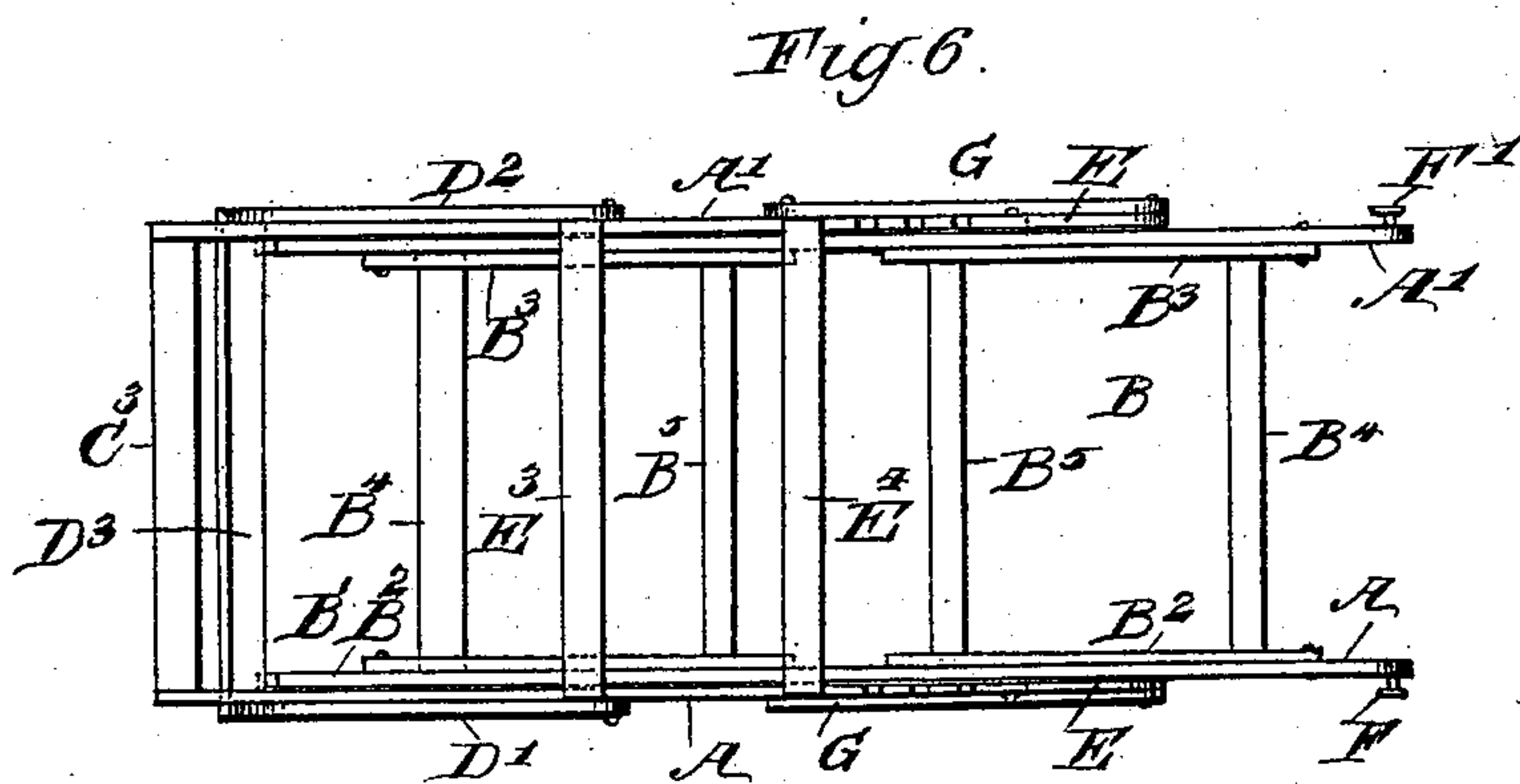
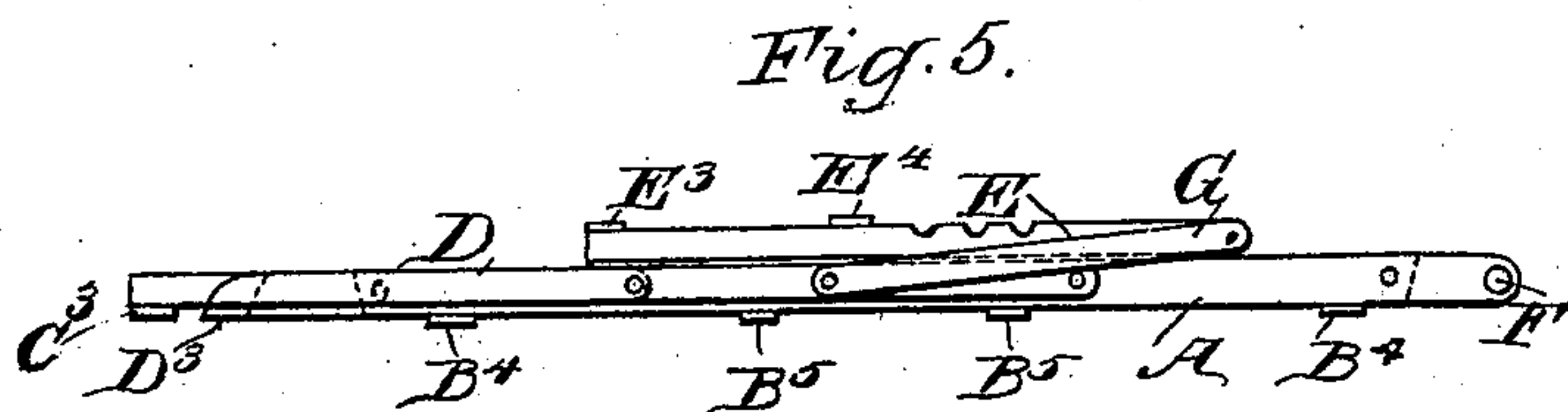
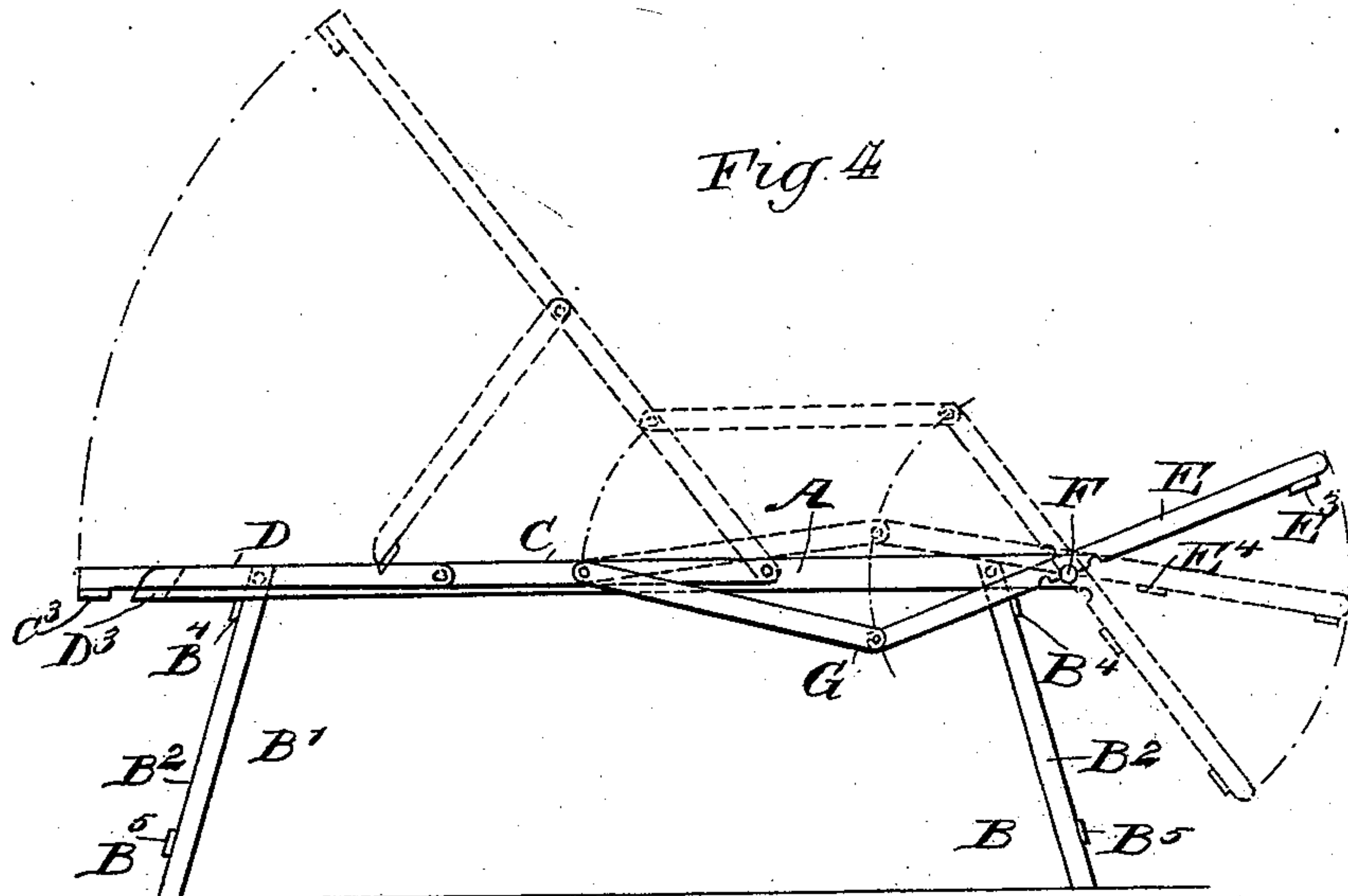
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UNITED STATES PATENT OFFICE.

COLIN C. MCPHEE AND IVOR E. BROCK, OF CHATHAM, CANADA.

CHAIR-COT.

SPECIFICATION forming part of Letters Patent No. 523,903, dated July 31, 1894.

Application filed November 15, 1893. Serial No. 491,044. (No model.)

To all whom it may concern:

Be it known that we, COLIN CAMPBELL MCPHEE and IVOR EDMUND BROCK, both subjects of the Queen of Great Britain, residing in Chatham, county of Kent, Province of Ontario, and Dominion of Canada, have invented a new and Improved Chair-Cot, of which the following is a full, clear, and exact description.

The invention relates to folding furniture, and its object is to provide a new and improved chair-cot, which is simple and durable in construction, and arranged to permit of quickly changing the device into a comfortable and portable cot, with pillow attachment, or into a reclining chair having a back adjustable to any desired angle, and a leg rest that adapts itself simultaneously to the changed position of the chair back.

The invention comprises the construction and arrangements of parts hereinafter described.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of the improvement arranged in one position as a reclining chair. Fig. 2 is a side elevation of the improvement arranged as a cot. Fig. 3 is a side elevation arranged as a reclining chair. Fig. 4 is a side elevation of the improvement arranged as a cot and showing the various positions of the parts in changing it from a chair to a cot. Fig. 5 is a side elevation of the improvement folded up; and Fig. 6 is a plan view of the same.

The improved chair-cot is constructed with two side rails A and A', provided near their ends with legs B and B', each having two side rails B² and B³, pivoted to the inside of the side rails A and A', as is plainly shown in the drawings. The two side rails B² and B³ of each leg, are connected with each other by cross bars B⁴ and B⁵ of which the uppermost cross bar engages the under side of the side rails A and A', at the time the said legs are extended, as illustrated in Figs. 1, 2 and 4.

The legs B and B' are inclined upwardly and inwardly, so as to firmly support the side rails A and A'. On the latter and on the outside thereof, is pivoted a frame C, adapted to form the back of the reclining chair, or the

foot end of the cot, as will be readily understood by reference to Figs. 1 and 2. This frame C, is provided with the side rails C' and C², connected with each other at their outer ends by a cross bar C³, the lower or inner ends being pivotally connected with the side rails A and A', about one-third the length of the said side rails from the leg B.

The frame C, is adapted to be held in an inclined position by a brace D, provided with two arms D' and D², pivotally connected with the side rails C' and C², and connected with each other at their free ends by a cross bar D³ adapted to engage sets of notches A², formed in the top of the side rails A and A', so that the frame C may be held in an inclined position, the degree of which varies according to the set of notches A² engaged by the cross bar D³. The latter is also adapted to rest on the beveled rear ends of the side rails to support the frame C in a horizontal position when the device is used as a cot, as shown in Figs. 2 and 4.

On the forward end of the side rails A and A', is held a rest E, adapted to form a head rest for the cot and a foot rest for the chair. This rest E is provided with two side rails E' and E², formed at their under side with notches near their middle, to engage pivots F and F' respectively, secured on the forward ends of the side rails A and A'. The side rails E' and E², are connected with each other by cross bars E³ and E⁴, arranged on one side of the pivots F and F', the said side rails being connected at their upper or inner ends by links G and G', with the side rails C' and C², respectively, of the frame C.

A covering material H, of any approved construction is stretched over the frame C, and also over that part of the side rails A and A', extending from the said frame C, to the rest E; a second piece of covering material H' then extends over the said rest E, from the pivots F, F', to the outermost cross bar E³. The covering material H is tacked or otherwise secured at its upper end to the cross bar C³ of the frame C, and on the upper edge of the side bars C' and C², then on part of the upper edges of the side rails A and A', and the other material H' is likewise tacked to the side rails E' and E² of the rest E, to be fastened at its outer end to the cross bar E³.

When the several parts are in the position illustrated in Fig. 1, the frame C is inclined upward and outward and is held in position by the brace D, resting with its cross bar D³ in a set of notches A² of the side rails A and A'. The foot rest E, then extends downward and outward from the pivots F F' and if more or less inclination is given to the frame C, the said rest E, will swing accordingly, as its side rails are connected with the said frame by the links G and G'.

When it is desired to give more inclination to the chair so as to arrange the seat part of the covering material H on the side rails A and A' in an inclined position, as illustrated in Fig. 3, then the rear leg B' is folded between the side rails A and A', so that the outer ends of the said side rails A and A', rest on the floor, with the other leg B inclined as shown in said Fig. 3.

When it is desired to form a cot out of the reclining chair, the operator first disengages the brace D, from the side rails A and A', and then swings the brace upward upon the side rails C' and C² of the said frame, the latter then being swung downward until the cross bar D³ is seated on the beveled ends of the side bars A', A², as is plainly shown in Fig. 2. The links G and G' are then swung downward into an inclined position below the said side rails, the rest E being temporarily lifted from its pivots F and F', to permit the said links to swing into the position described and shown in Fig. 2. The rest E, is then again engaged with its pivots F and F', so that the rest extends in an inclined position with the covering material inclined upward and outward from the pivots F and F' on the side rails A and A'.

When it is desired to fold the chair-cot,

then the operator swings both legs B and B' inward between the side rails A and A' as illustrated in Figs. 5 and 6, and then the frame C is lowered into the position it occupies when the device is used as a cot, and the rest E, is unhooked from its pivots F and F', and folded over on top of the frame C, as plainly shown in the said figures. It will be seen by this arrangement, the device can be readily changed into a comfortable reclining chair, or into a cot having an inclined head rest.

Having thus fully described our invention, we claim as new and desire to secure by Letters Patent—

1. In a chair cot of the kind described, the combination with the side rails, having supporting legs and lateral pivot pins at one end, of the pivoted frame for the back of the chair, the foot-rest frame having side bars provided with a series of notches in their under sides, to adjustably engage the said pins, and links which connect the pivoted frame and foot-rest, as shown and described.

2. The improved chair-cot composed of parallel side rails, legs pivoted thereto on the inner side, a back-supporting frame pivoted on the outer sides of the same, a foot-rest pivoted on lateral pins and adjustable thereon and detachable therefrom, and a link connecting said frame and foot rest as shown and described, whereby the said parts thus pivoted to the side rails are adapted to be folded interiorly and exteriorly thereof, as shown and described.

COLIN C. MCPHEE.
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Witnesses:

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