May 25, 1954 J. LUCKHARDT 2,679,286

FOLDABLE LOUNGE CHAIR

Original Filed April 30, 1952

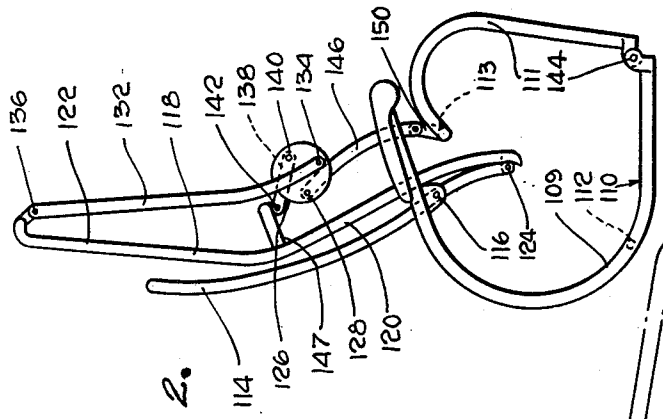

Fig. 2.

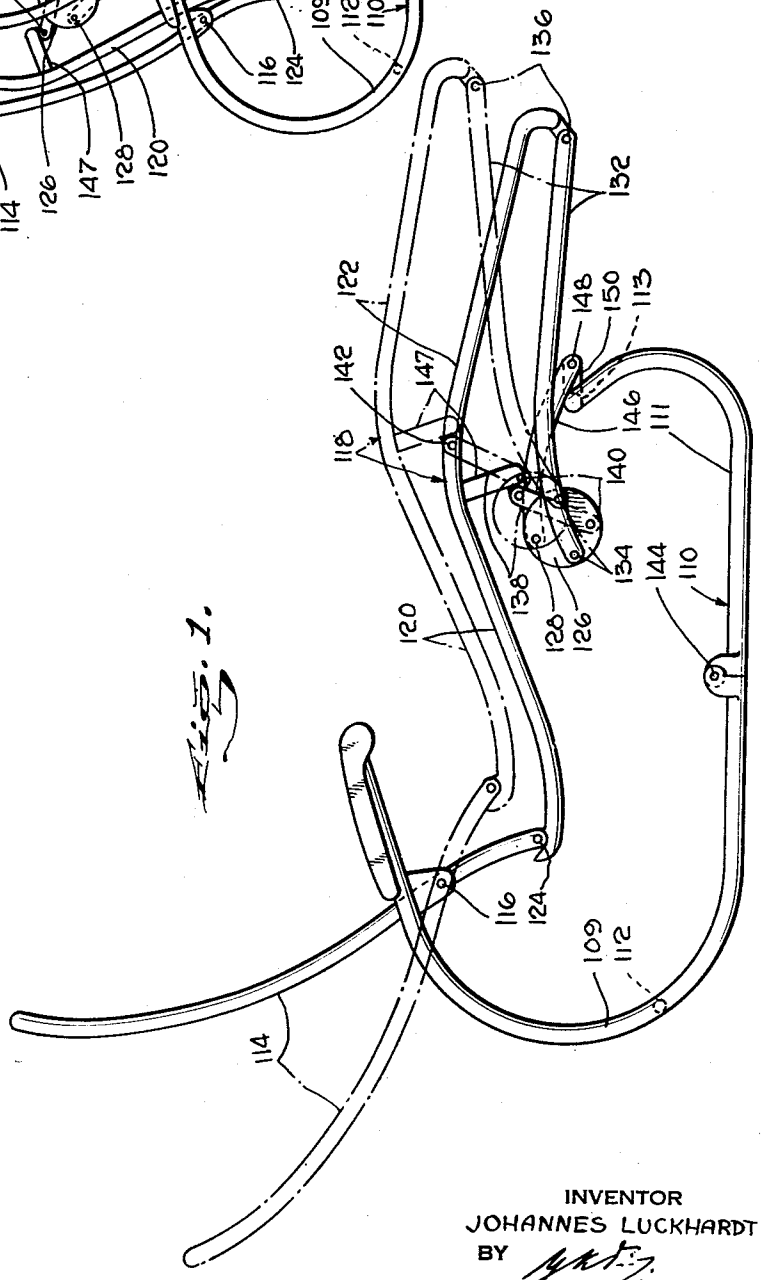

Fig. 1.

INVENTOR
JOHANNES LUCKHARDT
BY
ATTORNEY

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FOLDABLE LOUNGE CHAIR

Johannes Luckhardt, Berlin-Dahlem, Germany, assignor, by mesne assignments, to Norman P. Martin and Otto L. Walter, as trustees of Beta Trust, Lake Worth, Fla.

Original application April 30, 1952, Serial No. 285,098. Divided and this application March 24, 1954, Serial No. 420,660

4 Claims. (Cl. 155—117)

1

This application is a divisional application divided out of my co-pending patent application Ser. No. 285,098 filed on April 30, 1952, for a "Lounge Chair."

The invention relates to articles of furniture and more particularly to foldable lounge chairs.

An object of the present invention is to provide a foldable lounge chair with a link system including a movable back-rest and a movable sitting structure which may be readily and conveniently brought into different positions, when the lounge chair is set up.

Another object of the present invention is to provide a lounge chair having a back-rest and a sitting structure included in a link system, which lounge chair may be readily collapsed and set up.

Another object of the invention is to improve on the construction of foldable lounge chairs as now customarily made.

Other objects and structural details of the invention will be apparent from the following description when read in conjunction with the accompanying drawings forming part of this specification, wherein:

Fig. 1 is a side elevational view of a foldable lounge chair according to the invention, and

Fig. 2 is a side elevational view of the lounge chair shown in Fig. 1, wherein, however, the lounge chair is in collapsed condition.

Referring now to Figs. 1 and 2, 110 generally indicates a support made of tubular material. Said support 110 comprises a rear portion 109 and a front portion 111 hinged to each other at 144. The side frames of the rear portion 109 are connected with each other by a cross-bar 112. The side frames of the front portion 111 of the support 110 are connected with each other by a cross-bar 113 which may be integral with the side frames. On each side of the chair one end of an arm 146 is swingably mounted at 148 on a lug 150 rigidly connected with the cross-bar 113 of the front portion 111 of the support 110. When the lounge chair is set up, as shown in Fig. 1, said swingable arm 146 abuts against said cross-bar 113 whereby it is held in a fixed position.

A disk-like controlling member 126 is swingably mounted on the other end of the arm 146 at 128.

The back-rest 114 is pivoted to the rear portion 109 of the support 110 at 116. The rear end portion of the sitting structure 118 including the seat 120 and the leg-rest 122 as a unit is pivoted to the back-rest 114 at 124.

2

A controlling link 132 is pivoted at one of its ends to the controlling member 126 at 134 and at its other end to the sitting structure 118 at 136.

One end of a guiding link 138 is pivoted to the controlling member 126 at 140, the other end of said guiding link 138 is pivoted at 142 to a bracket 147 rigidly connected with the seat portion 120 of the sitting structure 118.

The three pivotal connections 128, 134 and 140 of the controlling member 126 are spaced from each other.

When the lounge chair is set up, as shown in Fig. 1, the movable members of the lounge chair may be readily brought from the sitting position, shown in full lines, into the reclined position, shown in dash and dot lines, and vice versa.

When it is desired to collapse the foldable lounge chair, it may be gripped at the leg-rest 122, whereupon the sitting structure 118 may be swung about the pivot 124, whereby the front portion 111 of the support 110 is swung about the pivot 144 while the arm 146 swings about the pivot 148 so that finally the elements of the chair assume the position shown in Fig. 2.

I have described a preferred embodiment of my invention, but it is understood that this disclosure is for the purpose of illustration, and that various omissions and changes in shape, proportion and arrangement of parts, as well as the substitution of equivalent elements for the arrangements shown and described may be made without departing from the spirit and scope of the invention as set forth in the appended claims.

For example, stopping means may be arranged on the chair for limiting the end positions of the movable members of the chair, i. e. the sitting position and the extreme reclined position.

Furthermore, locking means could be arranged on the chair for holding the movable members of the chair in any desired position.

What I claim is:

1. A foldable lounge chair, comprising in combination: a support, said support including a rear portion and a front portion pivotally connected with each other and an arm swingably mounted on said front portion at a point spaced from the pivotal connection between said rear and front portions of the support, holding means on the front end portion of said support for cooperation with said arm so as to hold same in a fixed position when the lounge chair is set up, a back-rest pivoted to said rear portion of the support, a sitting structure including a seat and a leg-rest rigid with each other, the rear end portion of

said sitting structure being pivoted to said backrest, a controlling member pivotally connected with said swingable arm of the support, a controlling link pivoted at one of its ends to said controlling member at a point spaced from the pivotal connection of the latter with said swingable arm, the other end of said controlling link being pivoted to the front portion of said sitting structure and a guiding link pivoted at one of its ends to said controlling member at a point spaced from the pivotal connection of the latter with said swingable arm, the other end of said guiding link being pivoted to a point of the sitting structure intermediate the ends thereof.

2. In a foldable lounge chair as claimed in claim 1, said holding means being in the shape of an abutment arranged on said front portion of the support for abutting engagement with said swingable arm.

3. In a foldable lounge chair as claimed in claim 1, the pivotal connection of the controlling member with the controlling link being spaced from the pivotal connection of the controlling member with the guiding link.

4. In a foldable lounge chair as claimed in claim 1, said pivotal connection between the guiding link and the sitting structure being located in the seat portion of said sitting structure.

References Cited in the file of this patent

FOREIGN PATENTS

Number	Country	Date
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838,041	France	Nov. 9, 1938