Oct. 21, 1952 D. G. WOGOMON 2,614,612

CONVERTIBLE CHAISE LOUNGE

Filed Nov. 9, 1950 2 SHEETS—SHEET 1

FIG. 1

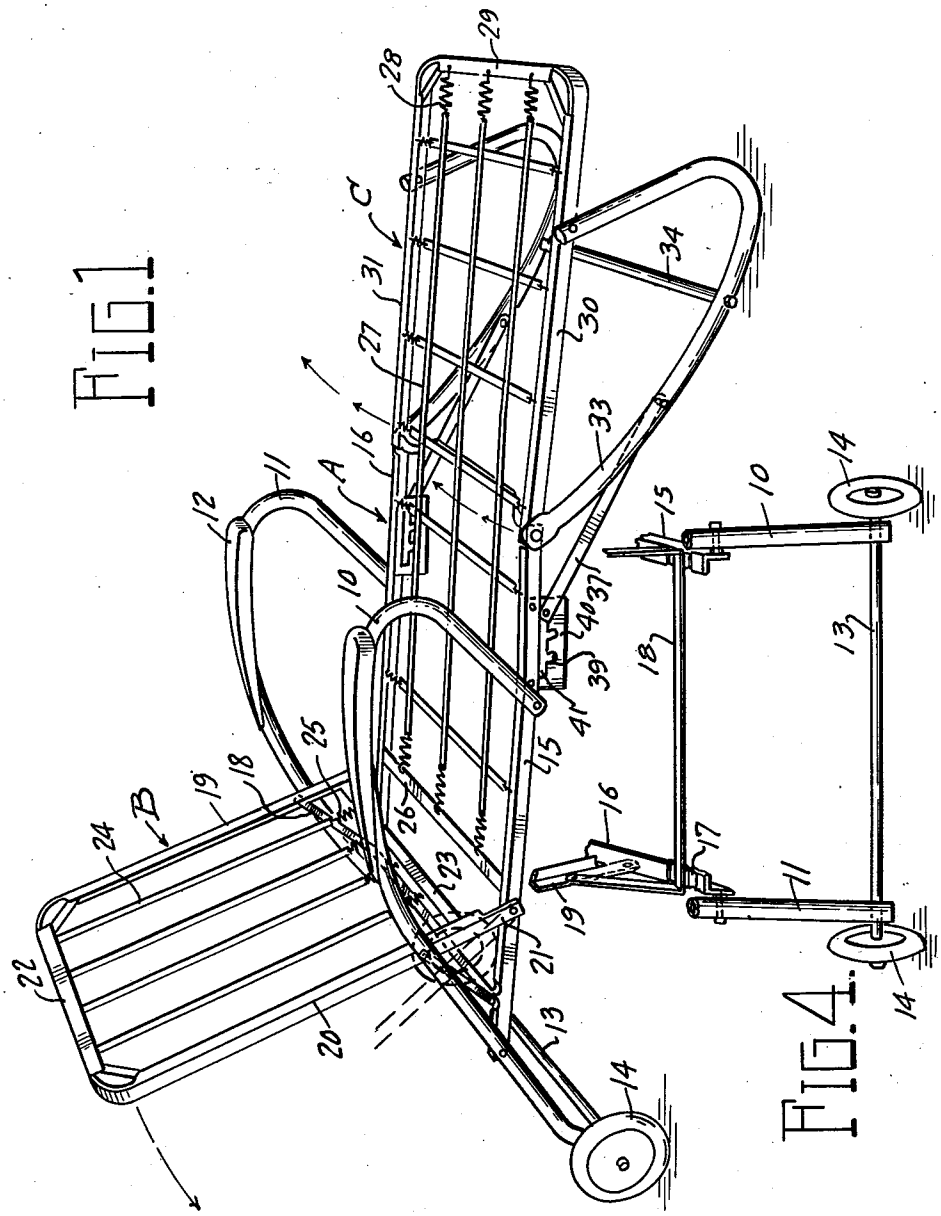


FIG. 4.

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FIG. 3.

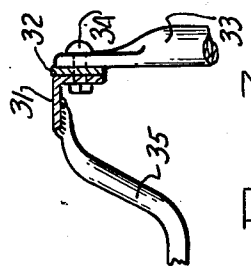


FIG. 2.

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Patented Oct. 21, 1952 2,614,612

UNITED STATES PATENT OFFICE

2,614,612

CONVERTIBLE CHAISE LOUNGE

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Application November 9, 1950, Serial No. 194,803

5 Claims. (Cl. 155—105)

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This invention relates to chaise lounges, and an object is to produce a new and improved chaise lounge, the leg rest of which is adjustable to be disposed in substantial alignment with the seat frame or swung downwardly to a partially reclined position.

Another object is to produce a chaise lounge having an adjustable back frame, a stationary seat frame and an adjustable leg rest frame and to equip the structure with new and improved front supporting means embodying adjustable features for effecting leg rest adjustment.

A further object is to produce an article of furniture embodying a seat frame and a leg rest frame hingedly associated with the seat frame, a supporting standard being associated with the pivotal connection between these frames, and simple adjustment means being associated with the standard to enable the leg rest frame to be disposed either in a position substantially in alignment with the seat rest frame or in a downwardly inclined position.

Other objects and advantages will hereinafter appear, and for purposes of illustration but not of limitation, an embodiment of the invention is shown in the accompanying drawings, in which

Figure 1 is a front perspective view of the chaise lounge frame with the cushions removed and showing the back frame in upwardly inclined position of adjustment and the leg rest frame in substantial alignment with the seat frame;

Figure 2 is a perspective view similar to Figure 1 but showing the back rest frame in downwardly inclined or adjusted position and the leg rest frame likewise in downwardly inclined adjusted position;

Figure 3 is an enlarged sectional view substantially on the line 3—3 of Figure 2, showing the connection at one side between one of the arms of the supporting standard and associated frame members; and

Figure 4 is an elevation of a fragment of the rest end of the frame, showing the support for the back supporting frame.

The illustrated embodiment of the invention comprises a frame for a chaise lounge particularly adapted for porch or outdoor use. As shown, the frame consists of a seat frame A, to the rear end of which is pivotally connected a back rest frame B. To the front end of the seat frame A is pivoted a leg rest frame C. For supporting the seat rest frame, a pair of tubular supporting arms 10 and 11 are riveted at their lower ends to a point forwardly disposed of the seat frame A, incline upwardly and forwardly, and then curve rearwardly and downwardly to a point beyond the rear end of the seat frame. Rivet connections between the tubes 10 and 11 and the rear end of the seat frame secure these parts together. On each of the tubular members

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10 and 11 are arm rests 12 arranged in a position convenient for arm supporting purposes. Connecting the free lower ends of the arms 10 and 11 is a horizontal rod or axle 13 and on the outer ends of this axle are rubber-tired wheels 14.

The seat frame A is composed of side rails 15 and 16 of angle iron construction and at the rear ends of these rails are formed a series of notches 17 selectively to receive a U-shaped bracket 18 which is pivoted at its free ends to side rails 19 and 20 of the back frame B. The side rails 19 and 20 of the back frame B are likewise of angle iron construction and have extensions 21 respectively at the lower ends which are pivotally connected by rivets to the rails 15 and 16 respectively of the seat frame A. The upper ends of the back frame rails 19 and 20 are integrally connected by a cross rail 22 and the lower end portion of the back frame has a cross rail 23 suitably connected to the side rails. Connecting the cross rails 22 and 23 are a series of straps 24 which have their lower ends connected by helical coil springs 25 to the cross rail 23, thereby providing a resilient support for the upholstered cushions.

Near the rear end of the seat frame A is a cross rail 26 fixed at opposite ends to the side rails 15 and 16. Connected by helical coil springs 27' to the cross rail 26 are a series of straps 27, the front ends of which are connected by similar coil springs 28 to the cross rail 29 at the free end of the leg rest frame C. The cross rail 29 is connected to angle iron side rails 30 and 31. Forward extensions 32 on the seat side rails 15 and 16 overlap the outside of the leg rest rails 30 and 31 respectively and on the outer side of each extension 32 is the upper flattened end portion of supporting legs 33 and bolt and nut assemblies 34 passing through registering apertures in these parts, thereby to provide a pivotal connection between the leg rest frame C and the seat frame A. The legs 33 are in the form of tubes and are bent into substantially V form, the upper forward ends being secured by rivets to the front end portions of the leg frame rails 30 and 31 respectively. The legs 33 are secured by a cross rod 34.

A rod 35 generally U-shaped in form, has its ends welded to the under side of the inner ends of the leg frame rails 30 and 31 respectively, thereby to reenforce the inner end of the leg rest frame C. The form of the rod 35 is important. By having it depending in the manner shown, it will be apparent that when the leg rest frame is swung to its downwardly inclined position as shown in Figure 2, the straps 27 are allowed to flex downward as indicated. The straps 27 are supported at spaced intervals by cross straps 36 which are linked to one side of the seat and leg rest frames A and C and secured by coil springs to the opposite sides of these frames as

shown, and are disposed beneath the elongate straps 27. This arrangement enables a long upholstered cushion to cover the seat and leg rest frames and when the leg rest frame is downwardly inclined as shown in Figure 2, the cross straps serve as a seat cushion.

Pivoted to the inside of each of the legs 33 intermediate the vertical height of the legs are links 37 having inwardly extending studs 38 at their upper ends to engage in one of two notches 39 in brackets 40 fixed to and depending from the rails 15 and 16 respectively. The upper ends of the notches 39 open into a horizontally elongate slot 41. By adjusting the pin or stud 38 in the bracket 40, the leg rest C can be moved to a horizontal position substantially in alignment with the seat frame A, or to a downwardly inclined position as shown in Figure 2. This inclination may be varied, depending upon which of the slots 39 the studs 38 enter, as will be manifest.

It will also be apparent that the back frame B can be adjusted to the desired position. It can either be in its upper inclined position as shown in Figure 1, at which time the U-shaped brace 18 is disposed in the proper notch 17, or when desired, by lifting the brace 18, the back frame may be swung downwardly, whereupon the support 18 is introduced into another set of notches 17.

It is to be understood that numerous changes in details of construction, arrangement and operation may be effected without departing from the spirit of the invention especially as defined in the appended claims.

What I claim is:

1. An article of furniture comprising a seat frame, a back frame pivotally connected to one end portion of the seat frame, a leg rest frame pivoted to the opposite end portion of the seat frame, a support for the rear end of said seat frame, a curved U-shaped support for said leg rest frame, one arm of the U being pivotally connected to the leg rest frame, and the other arm of the U being pivotally connected to the seat frame, and means connecting said curved support to said seat frame and including adjustable means to dispose said leg rest frame in a downwardly inclined position relative to the seat frame or in a position approximately in alignment with the seat frame.

2. An article of furniture comprising a seat frame, a back frame pivotally connected to one end portion of the seat frame, a leg rest frame pivoted to the opposite end portion of the seat frame, a support for the rear end of said seat frame, substantially U-shaped leg means for said leg rest frame connected respectively to the point of pivotal connection between the seat frame and the leg rest frame and to the forward portion of the leg rest frame, and means for adjusting the position of said leg means to enable the leg rest frame to be disposed in a selected position of adjustment.

3. An article of furniture comprising a seat frame, a back frame pivotally connected to one end portion of the seat frame, a leg rest frame pivoted to the opposite end portion of the seat frame, a support for the rear end of said seat frame, substantially U-shaped leg means for said leg rest frame connected respectively to the point of pivotal connection between the seat frame and the leg rest frame and to the forward portion of the leg rest frame, link means pivotally connected to an intermediate portion of said leg means, and means on the seat frame for securing the other end of said link in one position or another thereby to enable the leg rest frame to be disposed in a predetermined position relative to the seat frame.

4. An article of furniture comprising a seat frame, a back frame pivotally connected to one end portion of the seat frame, a leg rest frame pivoted to the opposite end portion of the seat frame, spring cushion means for said seat and leg rest frames including straps extending lengthwise of these frames extending through the plane of pivotal connection, coil spring means anchoring said straps to one of said frames, a support for the rear end of said seat frame, substantially U-shaped leg means for said leg rest frame connected respectively to the point of pivotal connection between the seat frame and the leg rest frame and to the forward portion of the leg rest frame, link means pivotally connected to an intermediate portion of said leg means, and means on the seat frame for securing the other end of said link in one position or another thereby to enable the leg rest frame to be disposed in a predetermined position relative to the seat frame.

5. An article of furniture comprising a seat frame, a back frame pivotally connected to one end portion of the seat frame, a leg rest frame pivoted to the opposite end portion of the seat frame, spring cushion means for said seat and leg rest frames including straps extending lengthwise of these frames extending through the plane of pivotal connection, coil spring means anchoring said straps to one of said frames, an underslung rod rigidly securing the sides of the leg rest frame adjacent the inner end thereof and providing a support for the cushion straps when the leg rest frame is tilted downwardly, a support for the rear end of said seat frame, substantially U-shaped leg means for said leg rest frame connected respectively to the point of pivotal connection between the seat frame and the leg rest frame and to the forward portion of the leg rest frame, link means pivotally connected to an intermediate portion of said leg means, and means on the seat frame for securing the other end of said link in one position or another thereby to enable the leg rest frame to be disposed in a predetermined position relative to the seat frame.

DONALD GEORGE WOGOMON.

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