

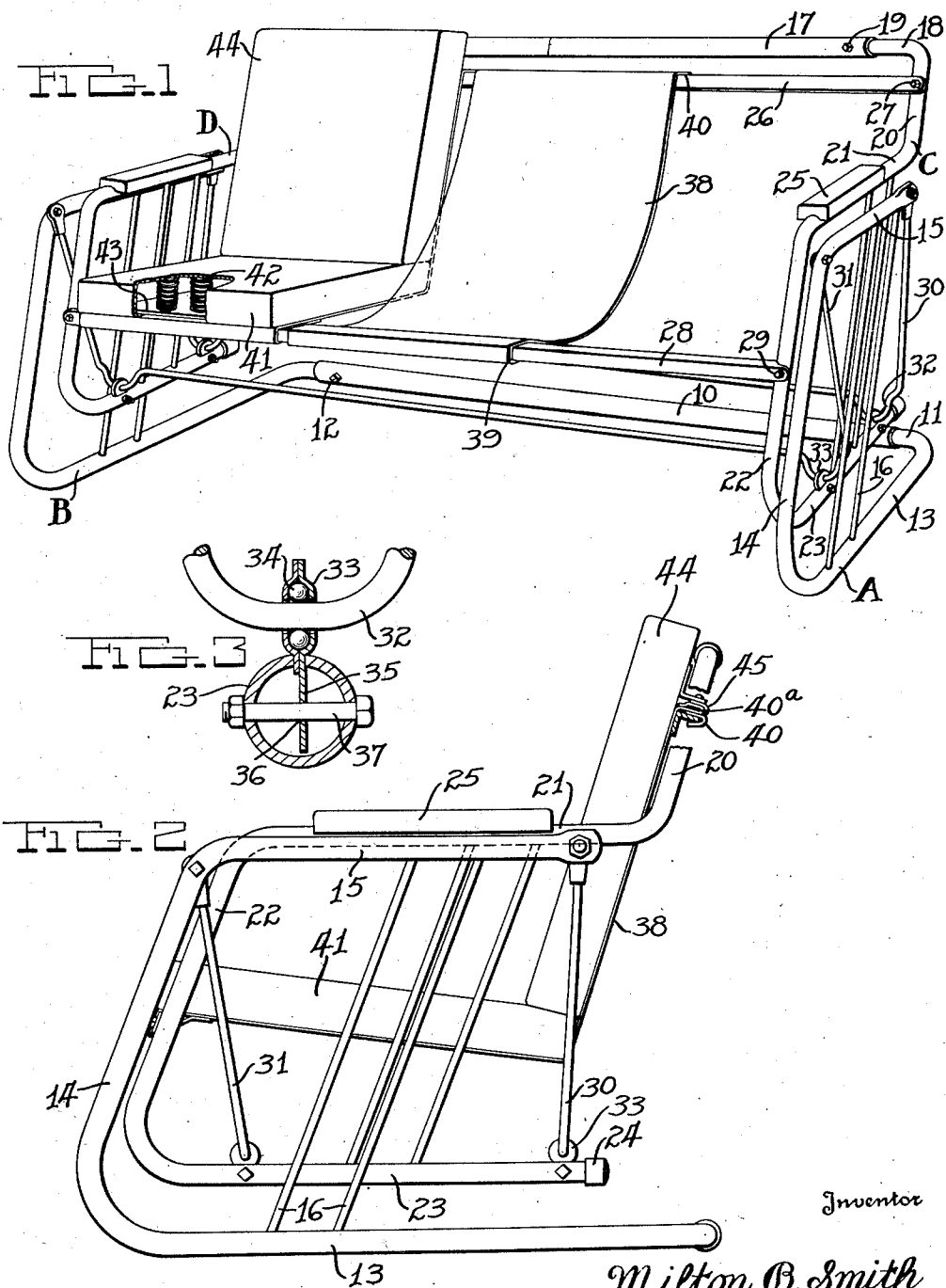
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GLIDER STRUCTURE

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GLIDER STRUCTURE

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3 Claims. (Cl. 5—124)

This invention relates to articles of furniture, but more particularly to gliders of the type in which the seat structure is swingably suspended from the base, and an object is to simplify the structure of gliders in order to enable them to be assembled more readily and to reduce the cost of manufacture, to eliminate the use of the usual spring supporting structure for the seat and back and substitute a less expensive support and to mount same in a novel and efficient manner. Other objects reside in details of construction and arrangement hereinafter described.

For purposes of illustration, an embodiment of the invention is shown on the accompanying drawing, in which:

Figure 1 is a perspective view of a glider with one of the canvas supports and some of the cushions removed;

Figure 2 is an end elevation of the glider; and Figure 3 is an enlarged vertical sectional view of one of the ball bearing hanger supports.

The illustrated embodiment of the invention comprises a glider, the seat structure of which is suspended for swinging movements from a base comprising a tube 10 into opposite ends of which telescope the standard portions A and B, which are of similar construction. Each standard portion comprises an inwardly turned back portion 11, which telescopes with the tube 10 and is secured in place by a set screw 12. Extending forwardly from the back portion 11 and integral therewith is a base portion 13. Integral with the front end of the base portion 13 and extending upwardly and rearwardly therefrom is a leg portion 14, from the upper end of which extends rearwardly a horizontal portion 15. The horizontal portion 15 is substantially parallel with the base portion 13, but the rear end of the portion 15 terminates short of the base portion 13. Connecting the horizontal portion 15 and the base portion 13 are braces 16.

The seat structure, which is supported for swinging movements from the base structure, comprises a horizontal tube 17 with which the end parts C and D are in telescoping engagement. The end parts C and D are similarly constructed, and each comprises an inwardly extending horizontal back portion 18 which telescopes with the tube 17 and is secured in place by a set screw 19. Integral with and extending downwardly and forwardly from the portion 18 is a portion 20, which is connected to a horizontally disposed arm portion 21, to the front end of which is connected a downwardly and forwardly inclined leg 22. Joined to the lower end of the

leg 22 is a horizontally extending attaching portion 23, which is substantially parallel to the arm portion 21, the rear end of the attaching portion being closed by a cap 24, which is disposed substantially in line with the inner end of the arm portion 21. Suitably secured to the arm portion 21 is an arm rest 25, which may be of wood or other suitable material.

Extending across the seat structure and connecting the vertically disposed portions 20 of the end parts C and D is a rail 26, which is detachably secured at its opposite ends by screws 27. A rail 28 connects the leg portions 22 of the end parts C and D, and is held in place at opposite ends by screws 29. The rail 28 is mounted at a point below the center of the legs 22.

Substantially U-shaped hangers 30 and 31 are arranged respectively at the rear and front portions of the base structure to support the seat structure from the base structure. The upper ends of the hangers are pivotally connected, preferably on ball bearings, at the front and rear portions of the horizontal members 15. It will be noted that each of the hangers 30 and 31 are provided with a substantially V-shaped portion 32 in the region of the attaching portion 23 of the end parts C and D. These portions extend through housings 33 containing ball bearings 34, which engage the parts 32 to provide an anti-friction bearing therefor. It will be observed that each bearing housing 33 consists of two parts, which are welded or suitably secured together, and one of the parts is provided with an extension 35, which extends through an opening milled in the respective attaching portion 23. The extension 35 is provided with an opening 36 to receive a bolt 37, which passes through the attaching part 23 for holding the bearing structure in place.

It will be noted that the main portion of the base and seat structures are of tubular construction. Virtually, the only portions of the glider frame which are not tubular, are the rails 26 and 27. The construction is such that the tubes may be readily and conveniently bent into the desired shape without sizable expense, and the connections between the parts enable the structure to be conveniently disassembled for packaging and shipment.

Connected at opposite ends to the rails 26 and 28 are fabric supports 38, in this instance of canvas, the intermediate portion of the support being sufficiently loose or slack for the purpose. Formed at one end of the support is a pocket 39, through which the rail 28 extends, the opposite end being provided with clips 40 to hook over the rail 26.

This provides a detachable connection between the support 38 and the rails. Several supports 38 may be provided, although, if desired, a single flexible fabric support may be utilized. Mounted on the supports 38 are one or more cushions 41, each having cushion coil springs 42 and a wire retainer 43 to hold the cushion in the desired position. The back cushions 44 are each provided with clips 45 to hook over the stiffening member 40^a to which the clips 40 are secured. The back cushions are thereby held in the proper position with respect to the back of the glider.

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

What I claim as new and desire to secure by Letters Patent is:

1. In an article of furniture a seat structure adapted to be suspended for swinging movements from a supporting base, said seat structure comprising a pair of end parts, each end part having a horizontally disposed attaching portion free at the rear end, a leg portion extending upwardly from the front end of said attaching portion, an arm portion extending rearwardly from said leg in substantially parallel relation to said attaching portion, a vertically disposed portion extending upwardly from the rear end of said arm portion, and a relatively short back portion extending inwardly from the upper end of said vertical portion, a connecting member detachably secured to the free ends of said back portions, a rail

detachably connecting the intermediate portions of the legs of said end parts, and a rail detachably connecting the vertical portions of said end parts.

2. In an article of furniture, a seat structure adapted to be suspended for swinging movements from a supporting base, said seat structure comprising a pair of end parts, each end part having a horizontally disposed attaching portion free at the rear end, a leg portion extending upwardly from the front end of said attaching portion, an arm portion extending rearwardly from said leg portion, an upwardly extending portion on the rear end of said arm portion, and a back portion extending inwardly from the upper end of said upwardly extending portion, a connecting member detachably secured to the free ends of said back portions, and a rail detachably connecting the legs of said end parts.

3. In an article of furniture, a seat structure adapted to be suspended for swinging movements from a supporting base, said seat structure comprising a pair of end parts, each end part having a horizontally disposed attaching portion free at the rear end, a leg portion extending upwardly from the front end of said attaching portion, an arm portion extending rearwardly from said leg portion, an inwardly extending back portion, and means connecting said back portion and said arm portion, a connecting member joining said back portions, detachable fastening means for securing said connecting member to each back portion, and a rail detachably connecting the legs of said end parts.

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