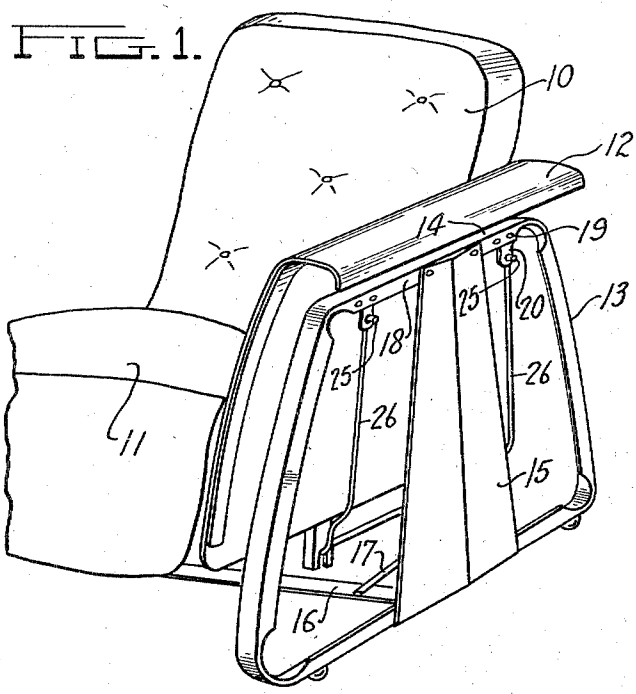
Nov. 7, 1939. H. A. YERRICK 2,179,395

HANGER STRUCTURE FOR GLIDERS

Filed Oct. 26, 1938

FIG. 1.



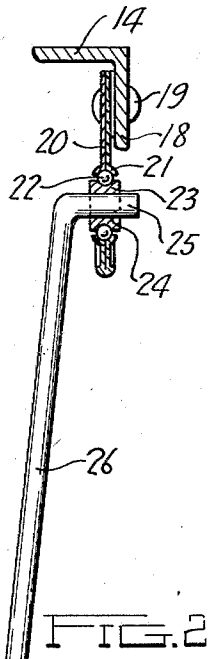
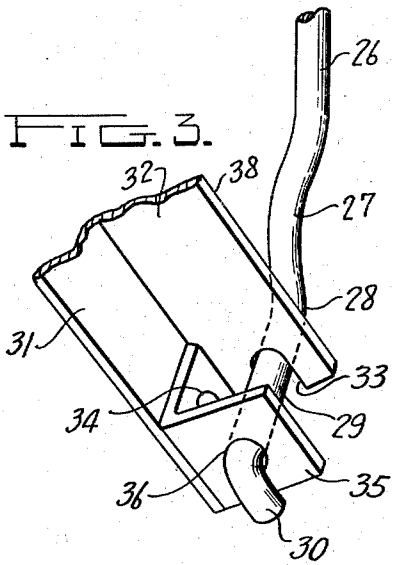
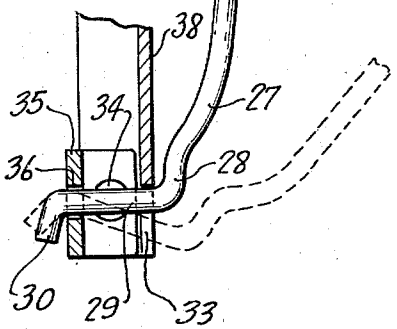


FIG. 2

FIG. 3.





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Patented Nov. 7, 1939

2,179,395

UNITED STATES PATENT OFFICE

2,179,395

HANGER STRUCTURE FOR GLIDERS

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Application October 26, 1938, Serial No. 236,970

2 Claims. (Cl. 5—124)

This invention relates to articles of furniture but more particularly to gliders in which a supporting structure is suspended for to and fro swinging movement between a pair of laterally spaced uprights or end frames and an object is to produce new and improved hangers for gliders which enable to and fro swinging movement but militate against side sway.

Another object is to produce a simple hanger device for gliders which is easy to install, inexpensive to manufacture and is sturdy and reliable in construction.

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

Figure 1 is a front perspective of one end portion of a glider;

Figure 2 is an enlarged sectional elevation of one of the hanger rods showing the manner in which it is connected; and

Figure 3 is an enlarged fragmentary perspective view of the mounting for the lower end of the hanger rods.

The illustrated embodiment of the invention comprises an article of furniture which may be a chair or settee having a supporting structure provided with a back cushion 10 and seat cushion 11 and a metal panel providing an arm rest 12. At opposite ends of the supporting structure and in laterally spaced relation are end frames 13 (only one end frame being shown). Each end frame is made of angle iron and is generally trapezoidal in shape having a cross bar 14 horizontally disposed at its upper end. An upright panel 15 is disposed centrally of each end frame. The end frames are connected at their lower ends by a cross bar 16 suitably braced by braces 17.

Each cross bar 14 has a downwardly extending flange 18 and secured thereto by rivets 19 is a pair of spaced hangers 20 formed of sheet metal folded upon itself and provided with a hole about the edges of which is a groove track 21 for ball bearings 22. The inner race 23 for the ball bearings is provided with a central aperture 24 to receive the bent end 25 of a hanger rod 26. The hanger rod 26 inclines downwardly and inwardly toward the supporting structure; thence curves inwardly at 27 to a point adjacent an angle iron leg 28 which is fixed to and depends from the supporting structure. Thence the rod 26 extends downwardly as indicated at 28 and thence inwardly in a substantially horizontal direction as indicated at 29. The extreme end of the rod is bent downwardly as indicated at 30.

Each angle iron leg 28 has flanges 31 and 32 disposed at substantially right angles to each other, the flange or wall 32 being outermost and having a notch 33 at its lower end. Secured to the flange or wall 31 by rivets 34 is a substantially right angle piece of metal 35 providing a wall parallel with and in opposed relation to the wall 32. In such wall is a hole 36. It will be apparent that the horizontal portion 29 of the hanger rod is disposed in the notch 33 and hole 36 so that the edges of these apertures bear against the portion 29 to provide a two point bearing for each of the hanger rods thereby to militate against side sway.

In assembling the hangers it will be apparent that the hooked or bent end 30 may be readily inserted through the notch 33 and hooked into the hole 36, as indicated by the dotted lines on Figure 2. Thereafter the arm may be tilted upwardly to the full line position. Thereafter the bent end 25 at the upper end of the arm 26 may be inserted through the hole 24 in the annulus 23. It will be understood that four hangers as above described are used for suspending the supporting structure, two being provided for each of the end frames. The above described construction enables the supporting structure to be quickly and conveniently connected to the end frames with a minimum amount of effort. The hangers are all disposed inside of the end frames and in positions out of the way. The extreme simplicity of the construction enables the parts to be inexpensively manufactured and eliminates the use of bolts and nuts as a fastening means.

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. In an article of furniture having a pair of laterally spaced upright end frames and a supporting structure disposed between said end frames for to and fro swinging movement, and means for suspending the supporting structure from said end frames, said means comprising a pair of rods pivotally secured at their upper ends respectively to each end frame and spaced longitudinally thereof, a leg for each rod depending from said supporting structure, each leg having a pair of spaced walls, the inner wall having a hole and the outer wall having a notch, an inwardly extending substantially horizontal portion on the lower end of each rod, and a substantially right angle bend on the free end of said horizontal portion, said horizontal portion extending through

said notch and through said hole to form a two-point horizontal bearing for the leg with the bent end disposed inwardly of the said inner wall, the rod being consequently connectible to or detachable from the leg by tilting in the notch whereupon the bent end may be inserted in or removed from the hole.

2. In an article of furniture having a pair of laterally spaced upright end frames, each end frame having a longitudinally disposed bar at the upper end thereof, a supporting structure disposed between said end frames for to and fro swinging movement, and means for suspending the supporting structure from said end frames, said means comprising a pair of hangers spaced longitudinally of each bar and depending therefrom, each hanger having a ball bearing unit, rods having outwardly bent upper ends engaging respectively in said bearing units, each rod inclining inwardly toward the supporting structure, a leg for each rod depending from said supporting structure, each leg having a pair of spaced walls, the inner wall having a hole and the outer wall having a notch, an inwardly extending substantially horizontal portion on the lower end of each rod, and a substantially right angle bend on the free end of said horizontal portion, said horizontal portion extending through said notch and through said hole to form a two-point horizontal bearing for the leg with the bent end disposed inwardly of the said inner wall, the rod being consequently connectible to or detachable from the leg by tilting in the notch whereupon the bent end may be inserted in or removed from the hole.

HARRY A. YERRICK.