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L. VAVRIK

2,123,345

GLIDER FRAME STRUCTURE

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Fig. 1.

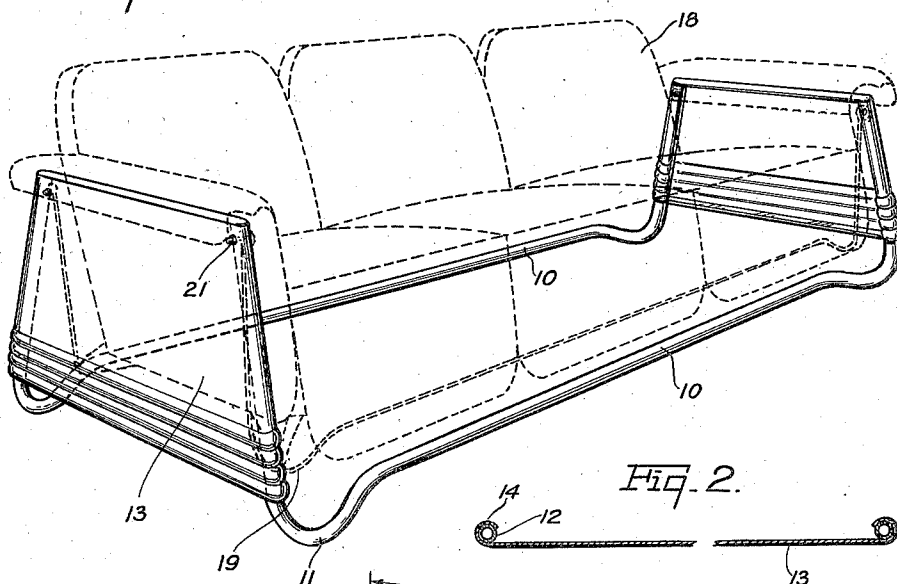


Fig. 2.

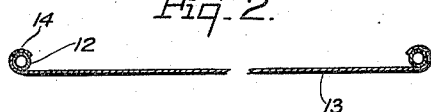


Fig. 3.

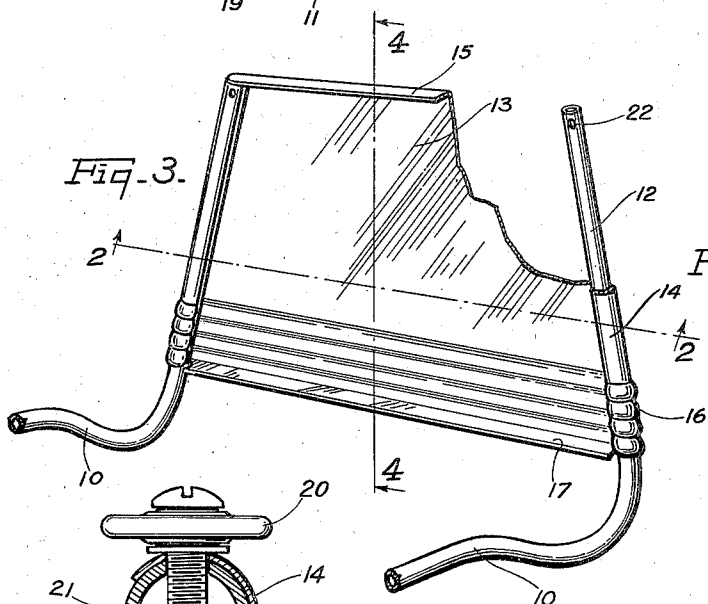


Fig. 4.

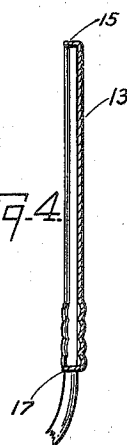
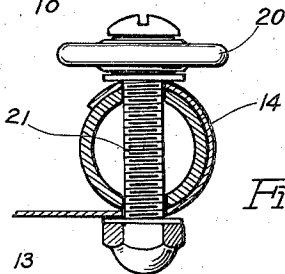


Fig. 5.



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UNITED STATES PATENT OFFICE

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GLIDER FRAME STRUCTURE

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Application May 10, 1937, Serial No. 141,616

10 Claims. (Cl. 5—129)

This invention relates to gliders or couch ham-
mocks but more particularly to frames or sup-
porting standards for gliders.

5 An object is to produce a supporting standard
or frame for a glider which has a relatively small
number of parts and can be readily assembled
or disassembled.

10 Another object is to provide a glider frame in
which the parts are held together without the
use of special connecting devices, thereby faci-
ilitating the assembly of the parts.

A further object is to produce a glider having
the new and improved features of construction,
arrangement and assembly hereinafter described.

15 For purposes of illustration but not of limita-
tion, the invention is shown on the accompany-
ing drawing in which

Fig. 1 is a front perspective view of the glider
frame or standard showing by dotted lines the
seat structure in position of use;

20 Fig. 2 is a transverse sectional view substan-
tially on the line 2—2 of Fig. 3;

Fig. 3 is an enlarged perspective view of one
end of the standard, a part of the end panel bro-
ken away;

25 Fig. 4 is a vertical sectional elevation on the
line 4—4 of Fig. 3; and

Fig. 5 is an enlarged sectional view taken
through the upper end of one of the upright sup-
ports or posts showing the device which not only
holds the parts together but also serves as a
support for the hanger.

30 Illustrated embodiment of the invention com-
prises a glider frame consisting of a pair of cross
members 10 which are spaced laterally from each
other which curve downwardly at opposite ends
as indicated at 11 and then extend upwardly to
provide uprights or posts 12. Thus each of the
members is of substantially U-shape. As shown,
each of the uprights or posts 12 incline inwardly
toward each other or in converging relation.

40 Fitting over the adjacent uprights or posts 12
at opposite ends of the frame is a sheet metal
panel 13, the opposed side edges of which are
rolled as indicated at 14 to provide tubes or sock-
ets into which the posts 12 extend. As particu-
larly shown on Fig. 3, the rolled side edges of
the panel 13 incline inwardly from the bottom to
the top.

50 Extending inwardly from the upper edge of
each panel 13 is a flange 15 which is adapted to
abut against the upper end of the posts or up-
rights 12. In this instance, a series of trans-
verse beads 16 are formed on the lower portion
55 of each panel 13 for decorative purposes. At the

lower end of each panel 13 an inwardly extending
flange 17 is provided thereby eliminating a sharp
edge and strengthening the lower edge portion
of the panel.

The back and seat structure 18 of the glider 5
is mounted on U-shaped hangers 19 which ter-
minate at their upper ends in ball bearing units
20 which are mounted on bolts 21 which extend
through openings 22 in the upper ends of the
posts or uprights 12. In this manner, it will be 10
apparent that the bolts 21 serve not only to sup-
port the hangers 19 but also serve to secure the
end panels 13 to the respective uprights 12, it
being observed that the bolts pass also through
openings formed in the end panels which register 15
with the openings 22.

It will be apparent that the above frame con-
sists virtually of four parts, two U-shaped tubes
and two sheet metal end panels. The assembly
of these parts can be effected readily and with-
out the use of special tools, so that not only 20
is a frame of unique appearance provided but
one which can be inexpensively manufactured,
can be easily packaged for shipment and can be
set up without difficulty. As above pointed out, 25
the same means which serves to secure the parts
in assembled relation also provides the mount-
ing for the seat supporting hangers.

Numerous changes in details of construction,
arrangement and operation may be effected with-
out departing from the spirit of the invention
especially as defined in the appended claims.

What I claim is:

1. A glider frame comprising a pair of sep-
arate laterally spaced substantially U-shaped 35
members, an end panel for each end of the frame
detachably engaging respectively the adjacent
ends of said members, and means for holding said
end panels and U-shaped members in assembled
relation, the space between said end panels being
free to afford swinging movement of the glider. 40

2. A glider frame comprising a pair of laterally
spaced upright end members at opposite ends of
the frame, a one piece panel connecting each
pair of end members, and socket portions on op-
posite sides of each panel inclined toward each 45
other and slidingly engaged; said upright mem-
bers, the space between said panels being free
to afford swinging movement of the glider.

3. A glider frame comprising a pair of sep-
arate laterally spaced substantially U-shaped 50
members with the upright legs thereof at each
end inclined toward each other, and panels at
opposite ends of the frame embracing a substan-
tial length of said legs respectively, the space 55

between said panels being free to afford swinging movement of the glider.

4. A glider frame comprising a pair of separate laterally spaced substantially U-shaped members with the upright legs thereof at each end inclined toward each other, and a sheet metal panel at each end of the frame having oppositely inclined portions slidably engaging said upright legs, the space between said panels being free to afford swinging movement of the glider.

5. A glider frame comprising a pair of separate laterally spaced substantially U-shaped tubes, a sheet metal panel having rolled side edge portions embracing adjacent legs of said tubes at opposite ends of the frame, and means for holding said tubes against turning movement, the space between said panels being free to afford swinging movement of the glider.

6. A glider frame comprising a pair of separate laterally spaced substantially U-shaped tubes, and a sheet metal panel having rolled side edge portions embracing adjacent legs of said tubes at opposite ends of the frame, said rolled portions slidably engaging said tubes and being arranged in converging relation from the bottom to the top, the space between said panels being free to afford swinging movement of the glider.

7. A glider frame comprising a pair of separate laterally spaced U-shaped tubes, a sheet metal panel at opposite ends of the frame having rolled side edge portions slidably engaging the upright end portions of said tubes, and a device connecting each tube and the adjacent panel, said device also providing a support for the glider seat frame,

the space between said panels being free to afford swinging movement of the glider.

8. A glider frame comprising a pair of laterally spaced substantially U-shaped rods, an end panel for each end of the frame providing the support and connection for said rods, each panel being of sheet metal, rolled edge portions at opposite vertical edges of each panel providing convergently inclined sockets for the upwardly extending legs of said rods, and means on each panel providing a mounting for a glider, the space between said end frames being free to afford swinging movement of the glider.

9. A glider frame comprising a pair of laterally spaced substantially U-shaped rods, an end panel for each end of the frame providing the support and connection for said rods, each panel being of sheet metal, rolled edge portions at opposite side edges of each panel providing convergently inclined sockets for the upwardly extending legs of said rods, and a flange on the upper portion of each end panel covering the upper ends of said rods.

10. A glider frame comprising a pair of laterally spaced substantially U-shaped rods, an end panel for each end of the frame providing the support and connection for said rods, each panel being of sheet metal, tubular socket members at opposite vertical edges of each panel receiving the upwardly extending legs of said rods, the socket members of each panel inclining inwardly toward each other at the upper ends, and means on each panel providing a mounting for a glider, the space between said end frames being free to afford swinging movement of the glider.

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