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United States Patent [19]

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Mathison et al.

[45] Date of Patent: ****Apr. 1, 1997**

[54] PIPELINE PLUG

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[73] Assignee: **Cherne Industries Incorporated**, Minneapolis, Minn.

[**] Term: **14 Years**

[21] Appl. No.: **23,217**

[22] Filed: **May 19, 1994**

[52] U.S. Cl. **D23/260**

[58] Field of Search D23/259, 260; 138/93; 206/522; 383/3; D6/601

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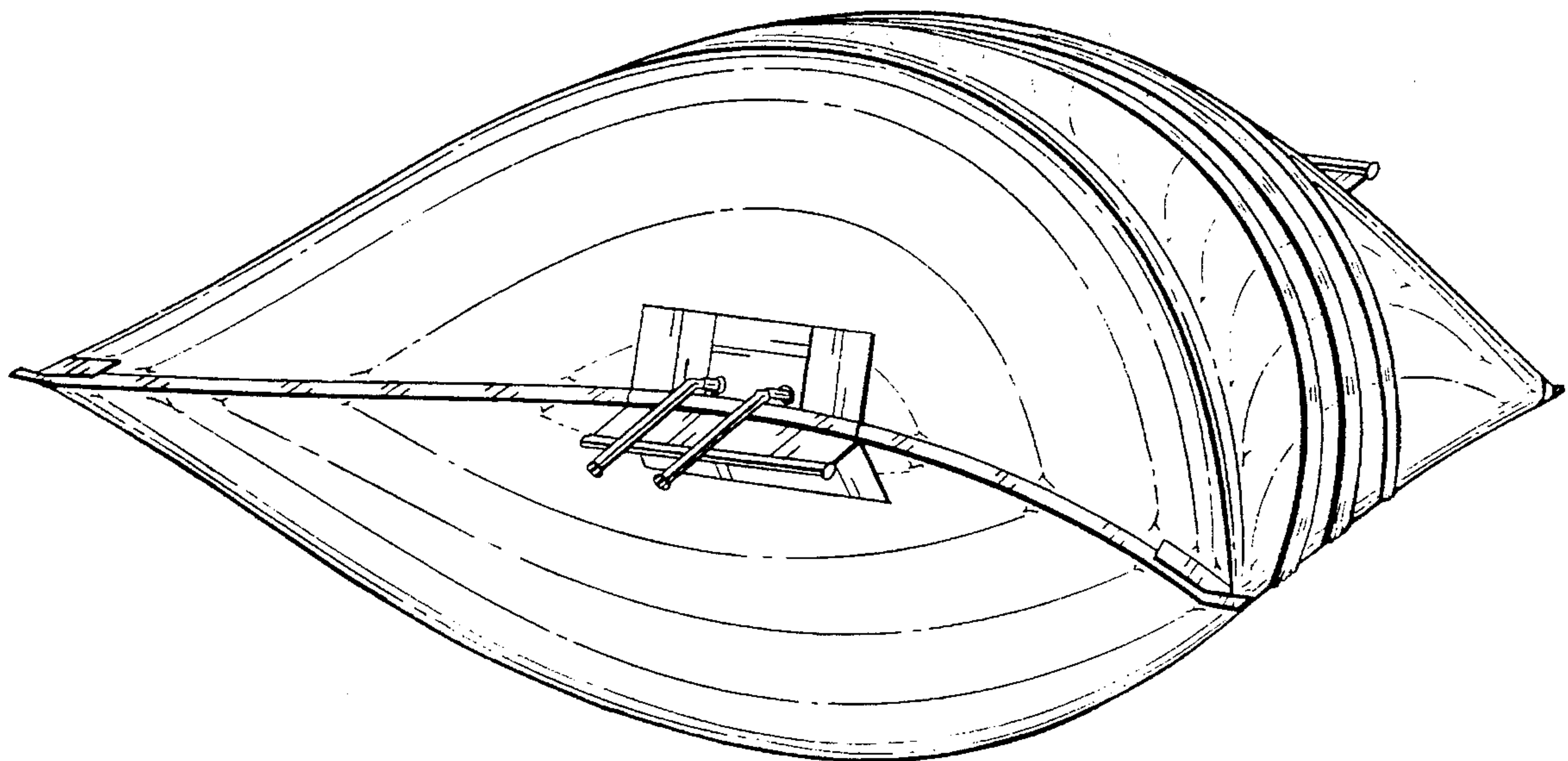
[57] CLAIM

The ornamental design for the pipeline plug, as shown and described.

DESCRIPTION

FIG. 1 is a top plan view of a pipeline plug, showing our new design in an inflated state;
 FIG. 2 is a side elevational view thereof;
 FIG. 3 is a front elevational view thereof;
 FIG. 4 is a rear elevational view thereof;
 FIG. 5 is a side elevational view thereof and showing the side opposite that of FIG. 2;
 FIG. 6 is a bottom plan view thereof;
 FIG. 7 is a top plan view thereof, in a deflated state;
 FIG. 8 is a side elevational view thereof;
 FIG. 9 is a front elevational view thereof;
 FIG. 10 is a rear elevational view thereof;
 FIG. 11 is a side elevational view thereof and showing the side opposite that of FIG. 8;
 FIG. 12 is a bottom plan view thereof;
 FIG. 13 is a top plan view of an alternate embodiment, showing our new design in an inflated state;
 FIG. 14 is a side elevational view thereof;
 FIG. 15 is a front elevational view thereof;
 FIG. 16 is a rear elevational view thereof;
 FIG. 17 is a rear elevational view thereof and showing the side opposite that of FIG. 14;
 FIG. 18 is a bottom plan view thereof; and,
 FIG. 19 is a perspective view of the pipeline plug of FIG. 1 and which shows our new design of a pipeline plug in an inflated state.

1 Claim, 19 Drawing Sheets



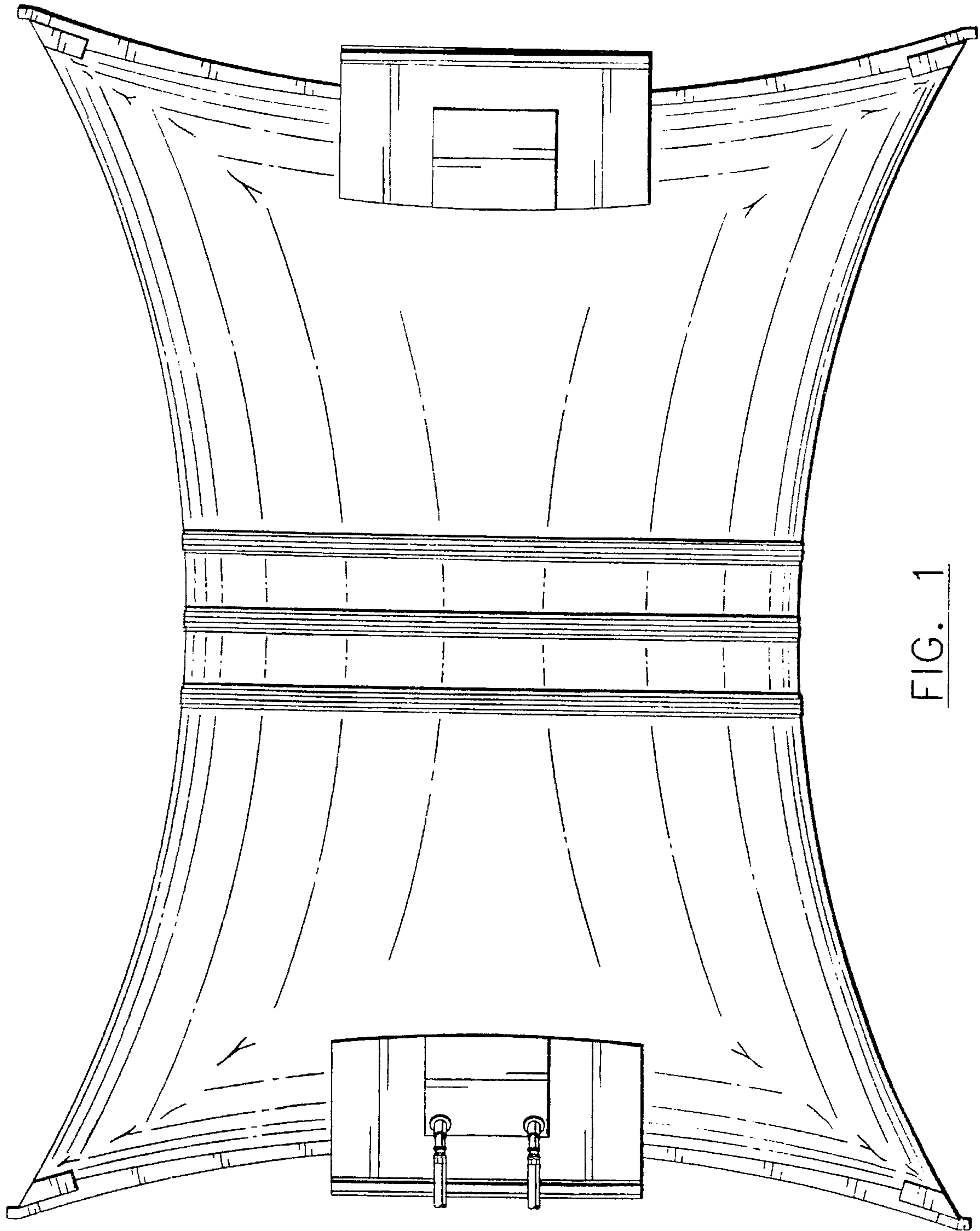


FIG. 1

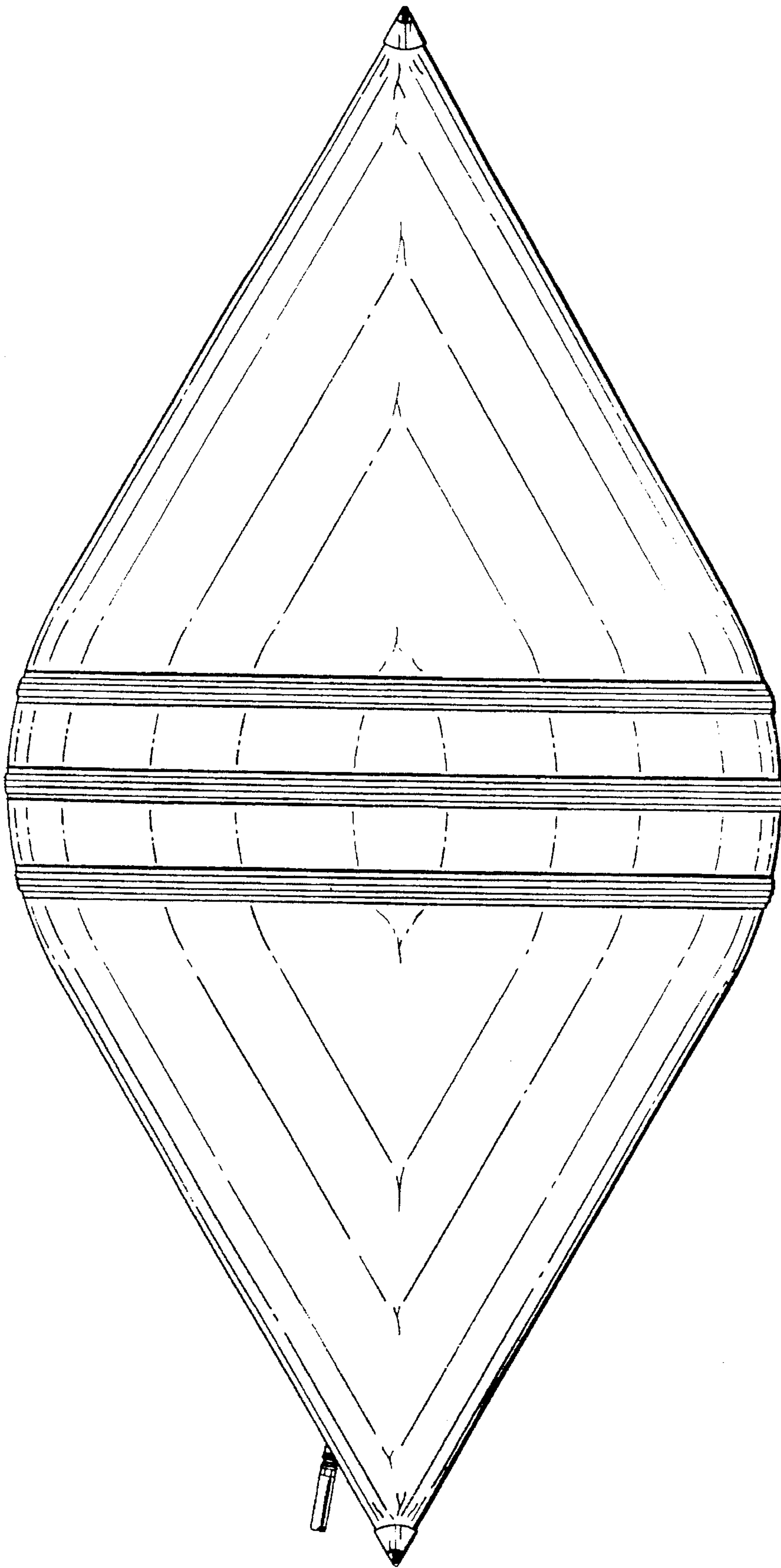


FIG. 2

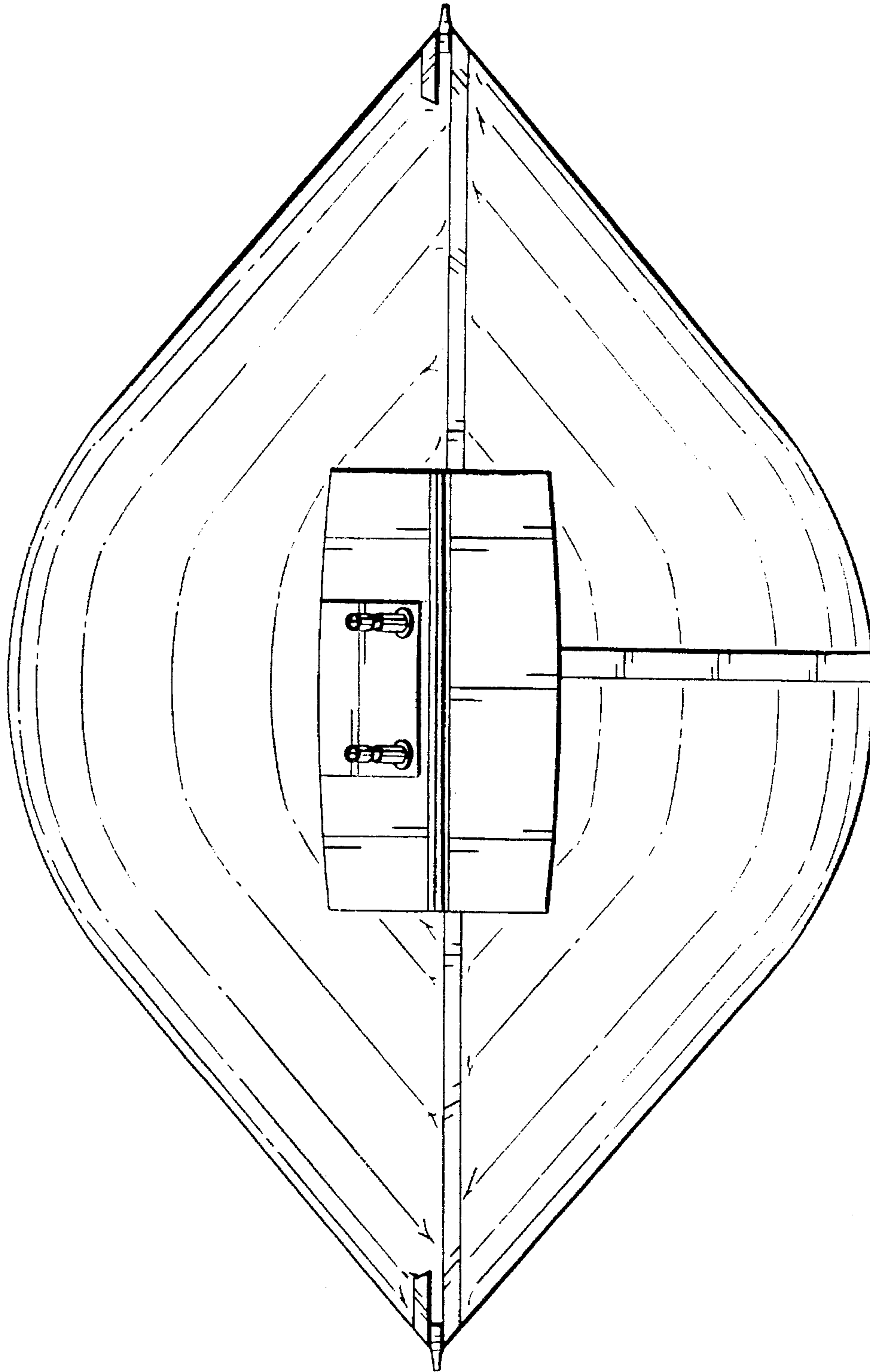


FIG. 3

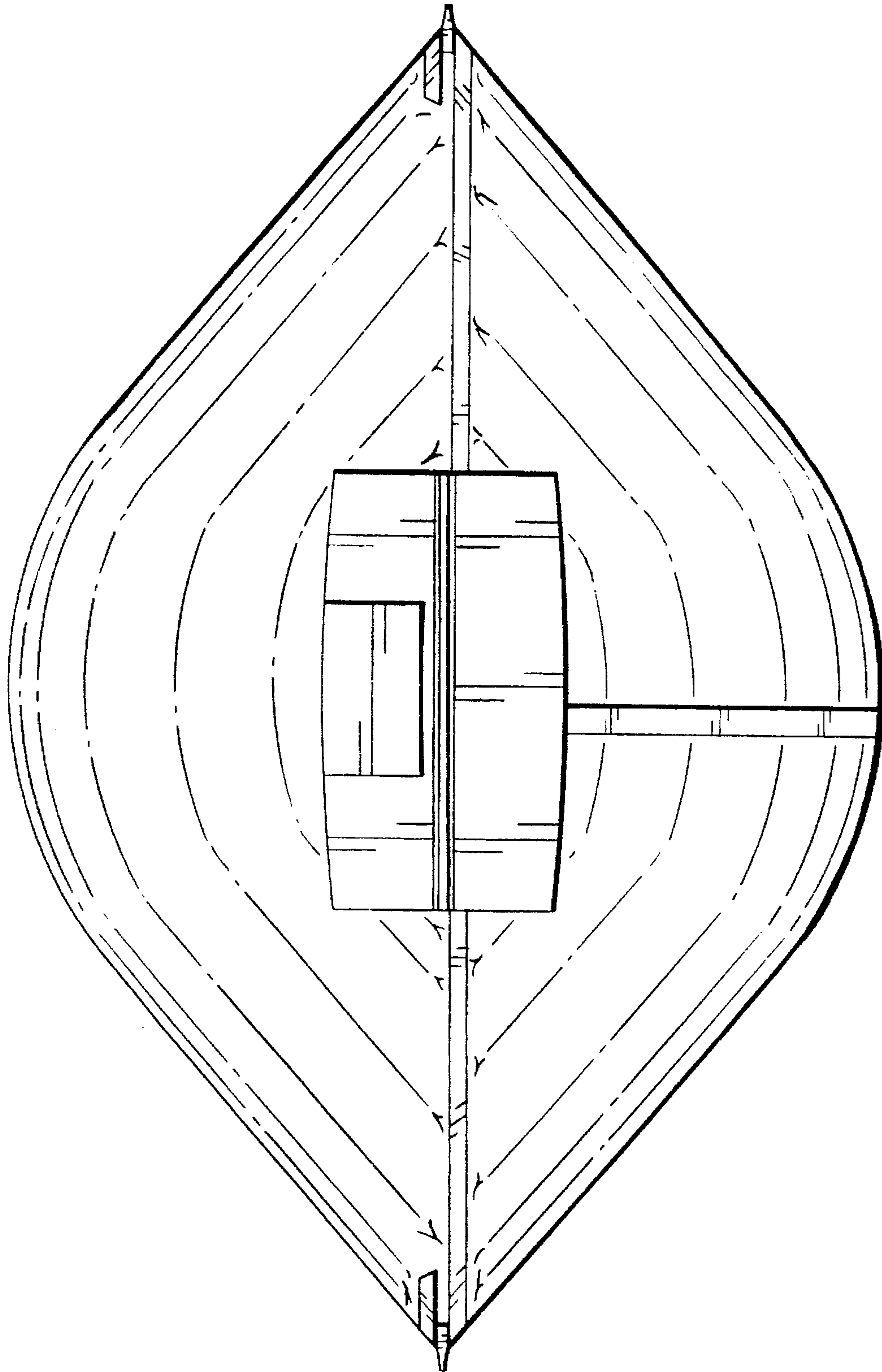


FIG. 4

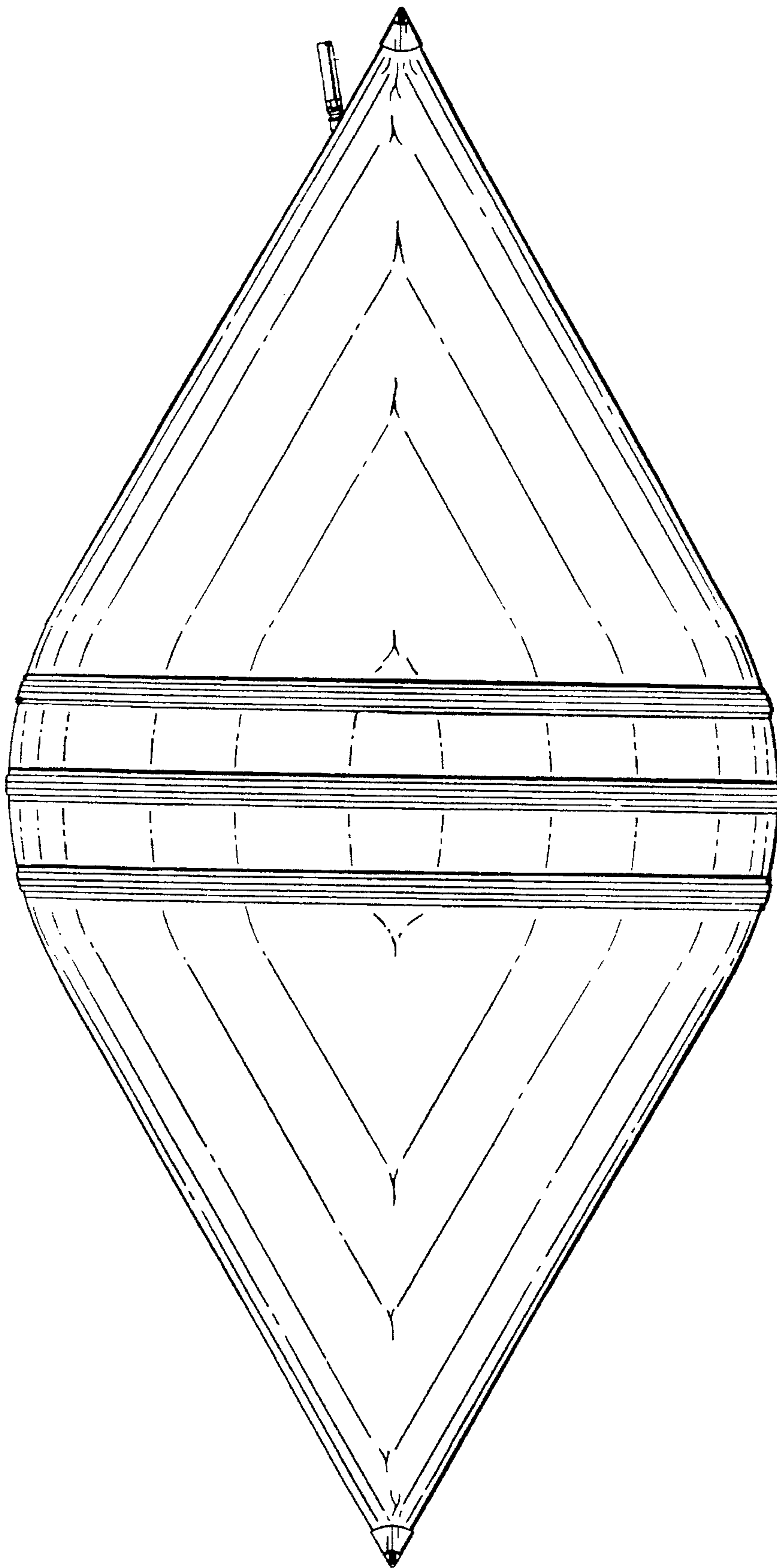


FIG. 5

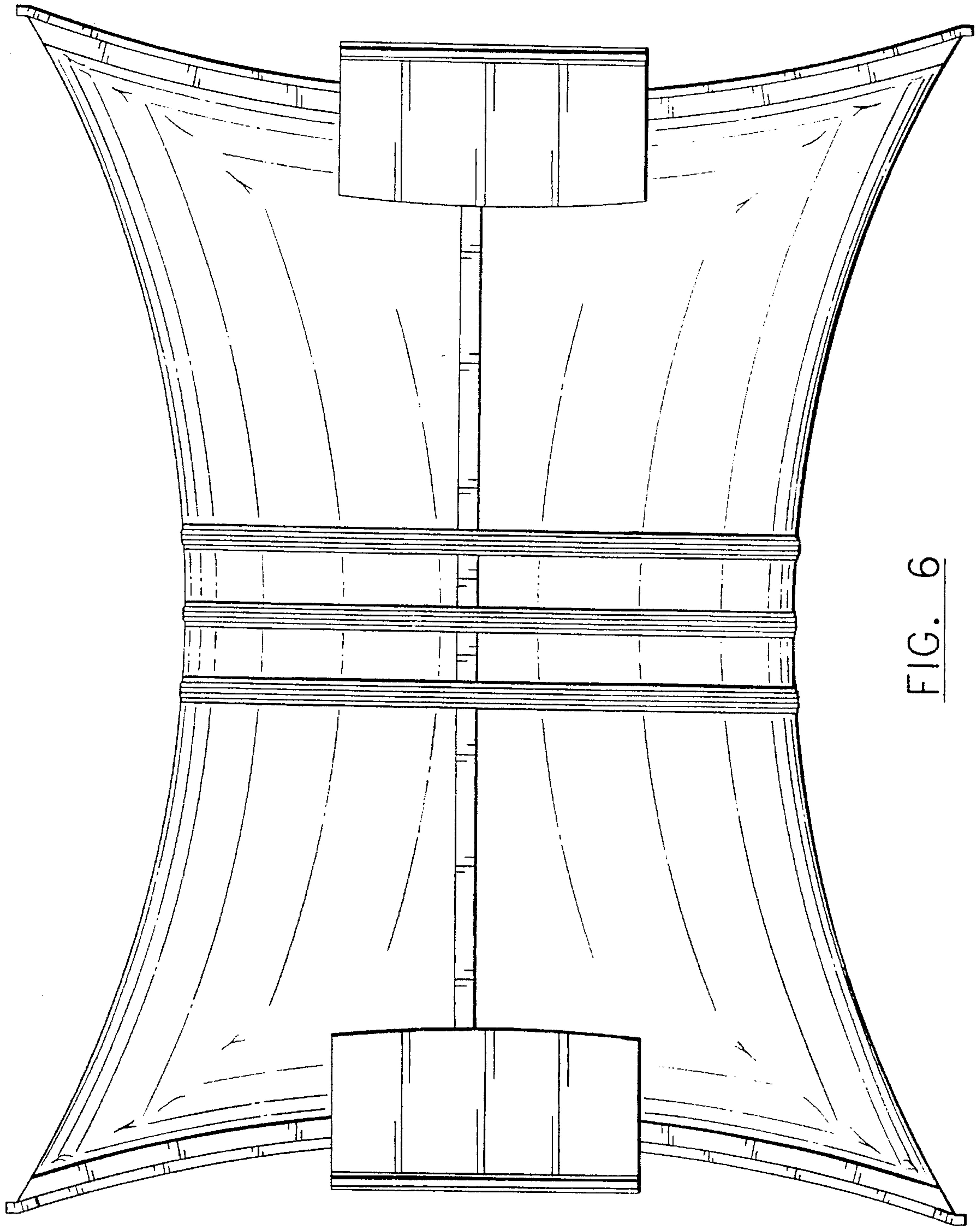


FIG. 6

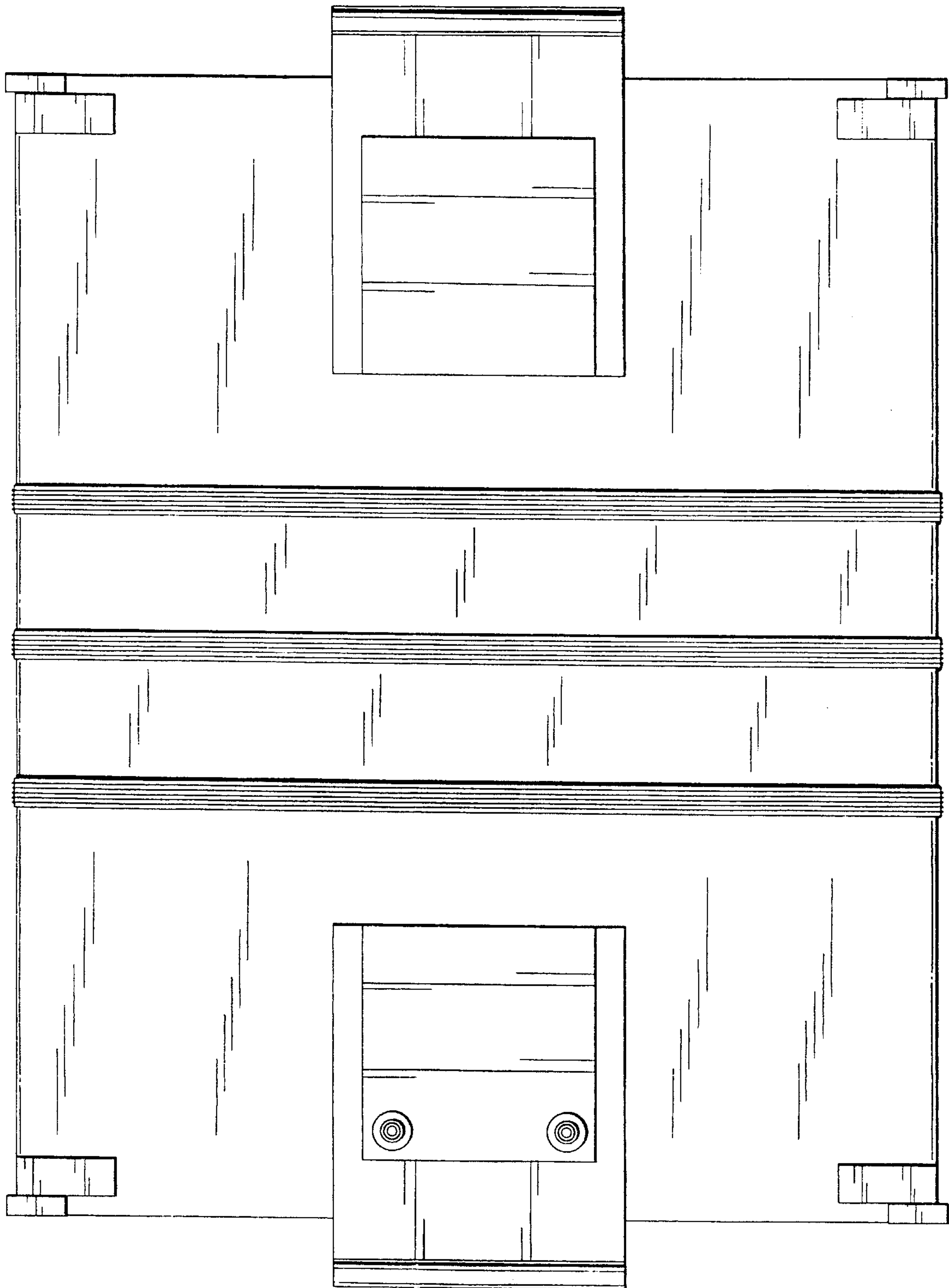


FIG. 7

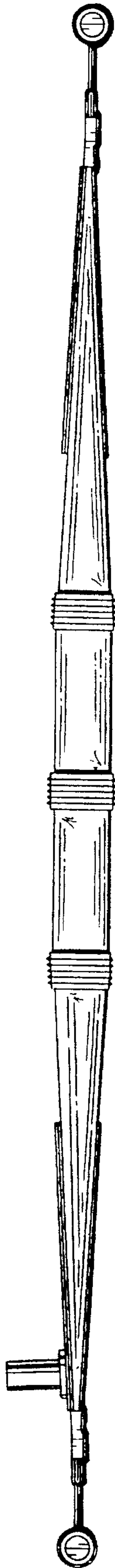


FIG. 8



FIG. 9

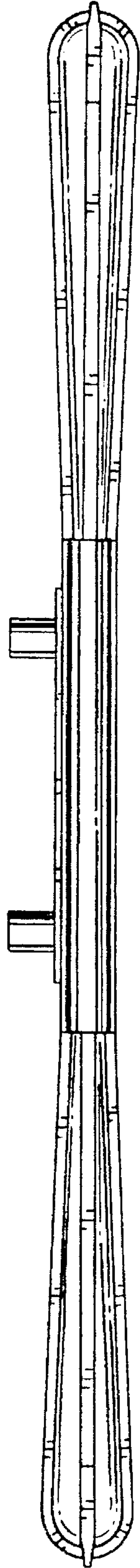


FIG. 10

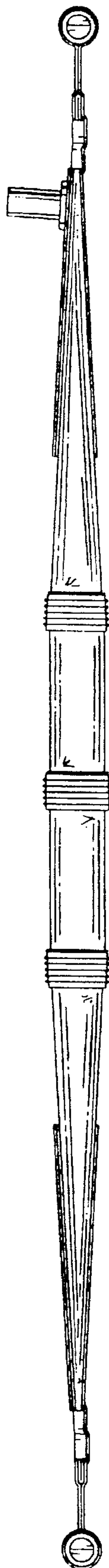


FIG. 11

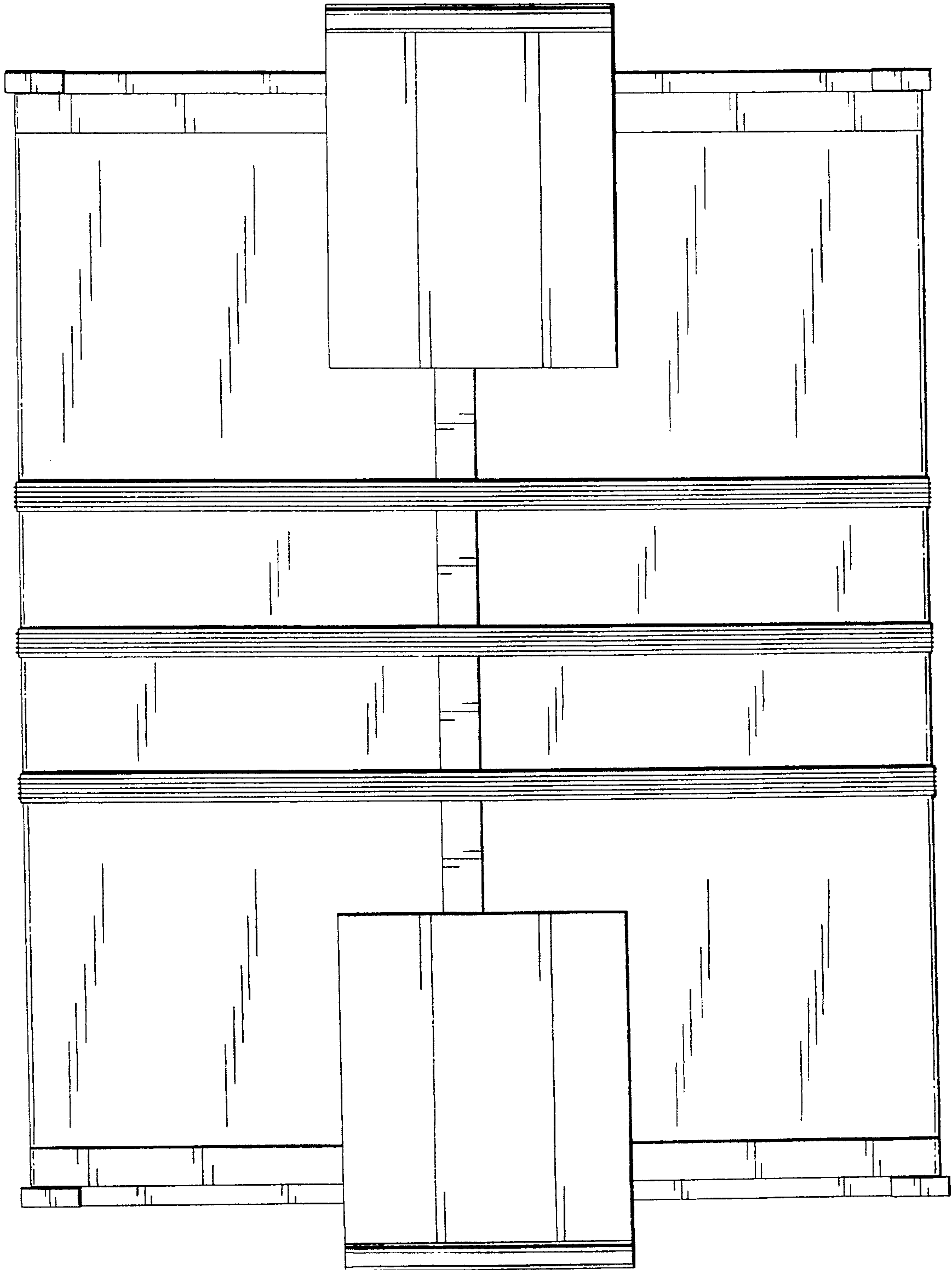


FIG. 12

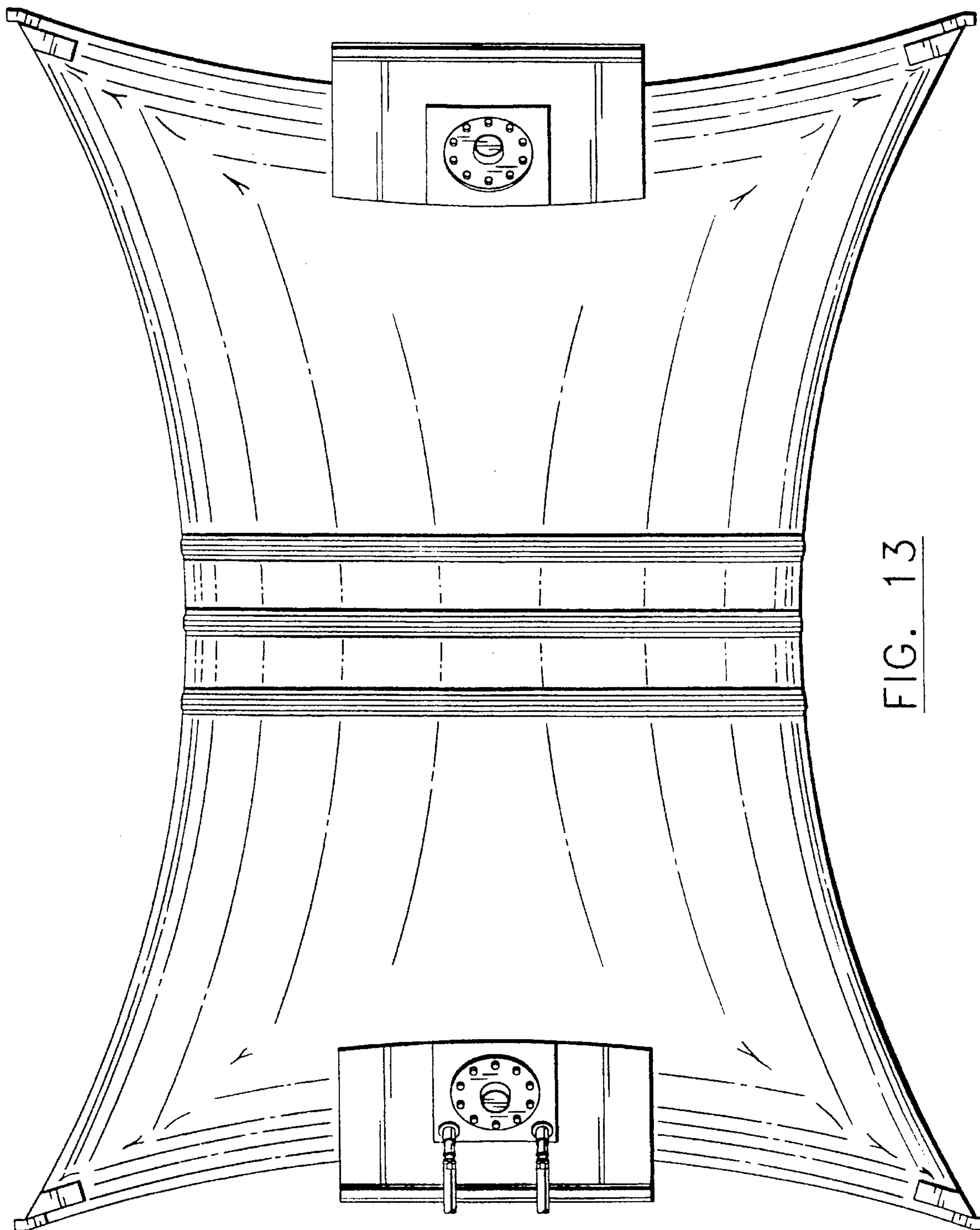


FIG. 13

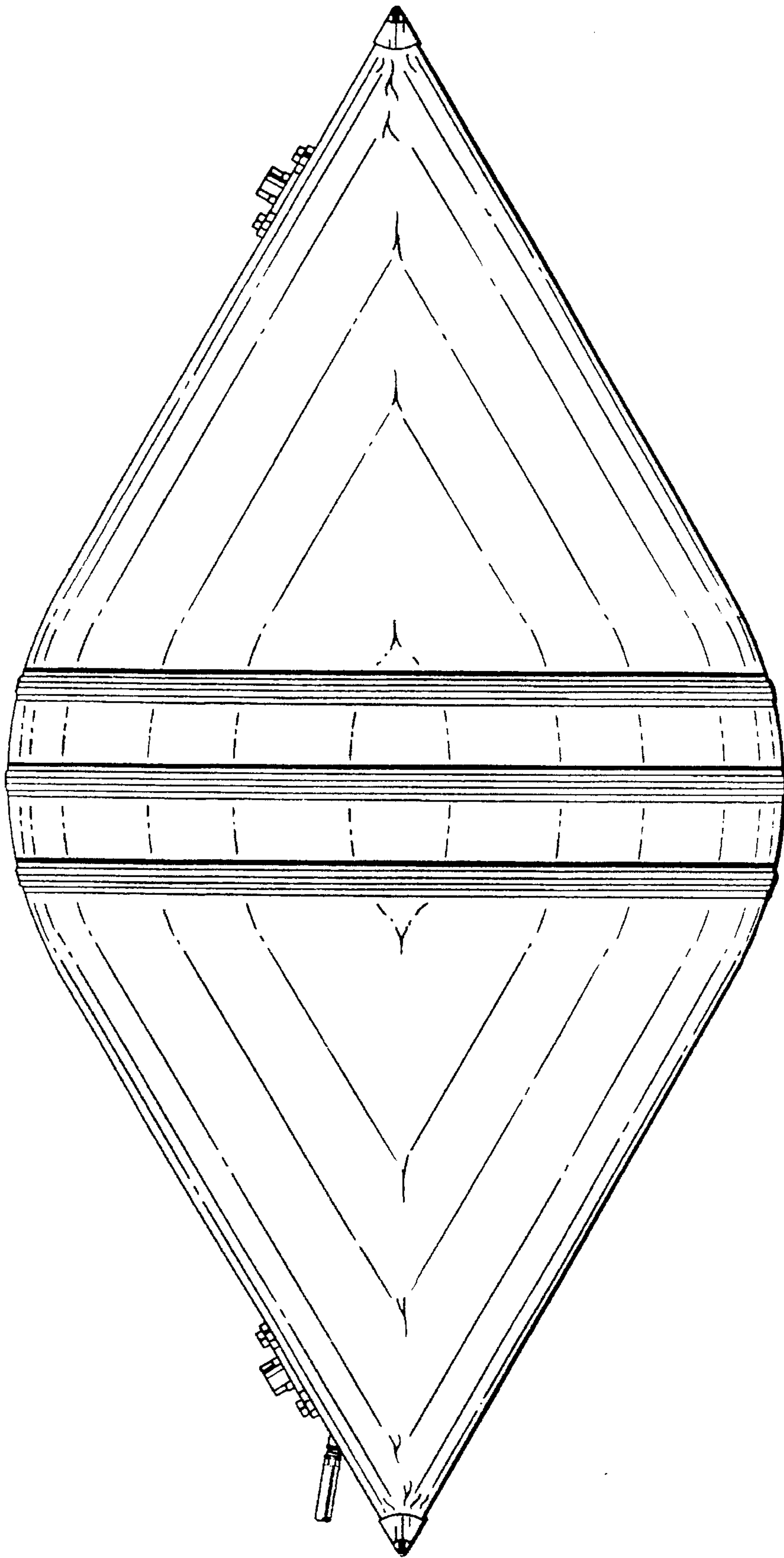


FIG. 14

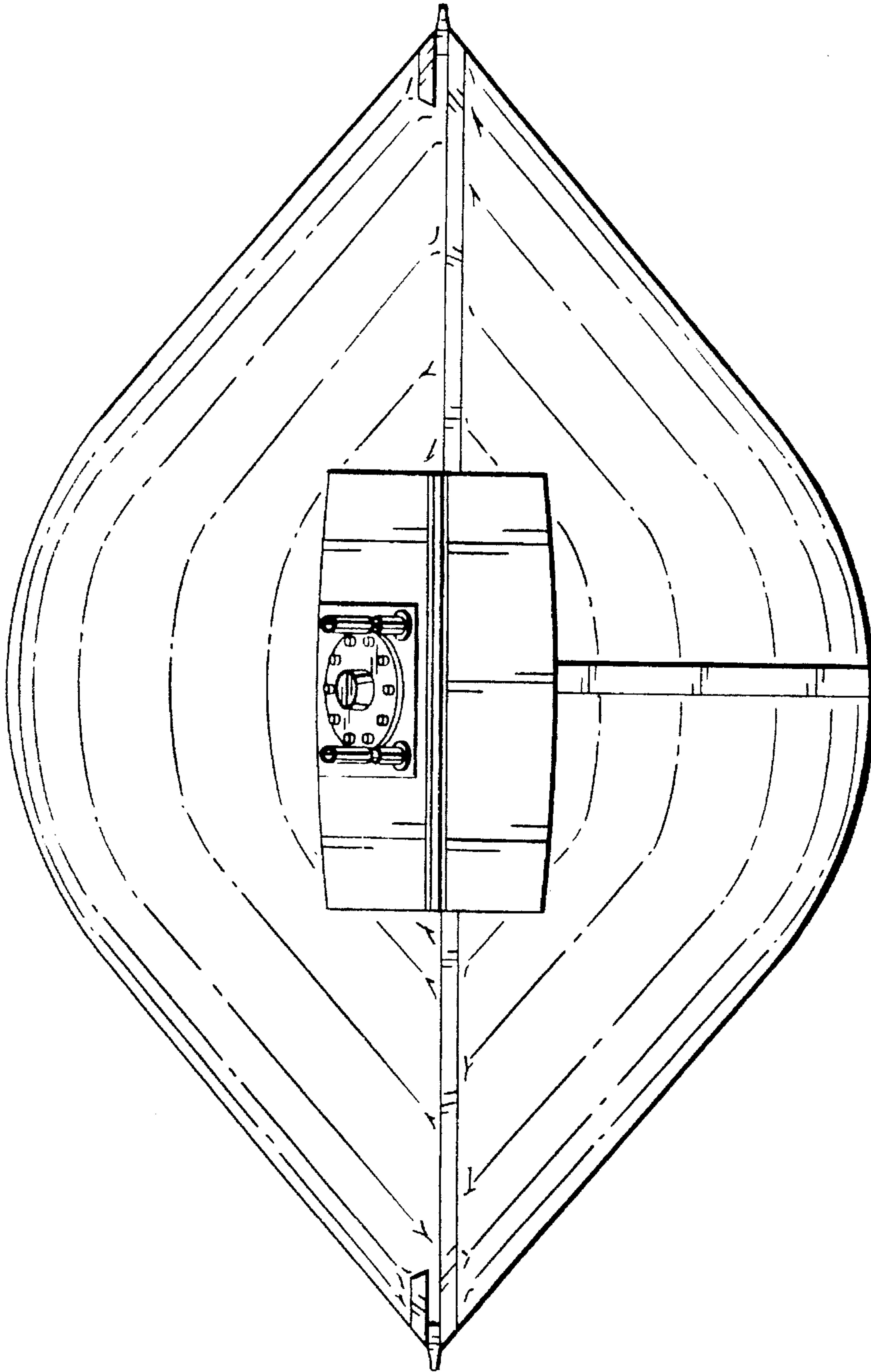


FIG. 15

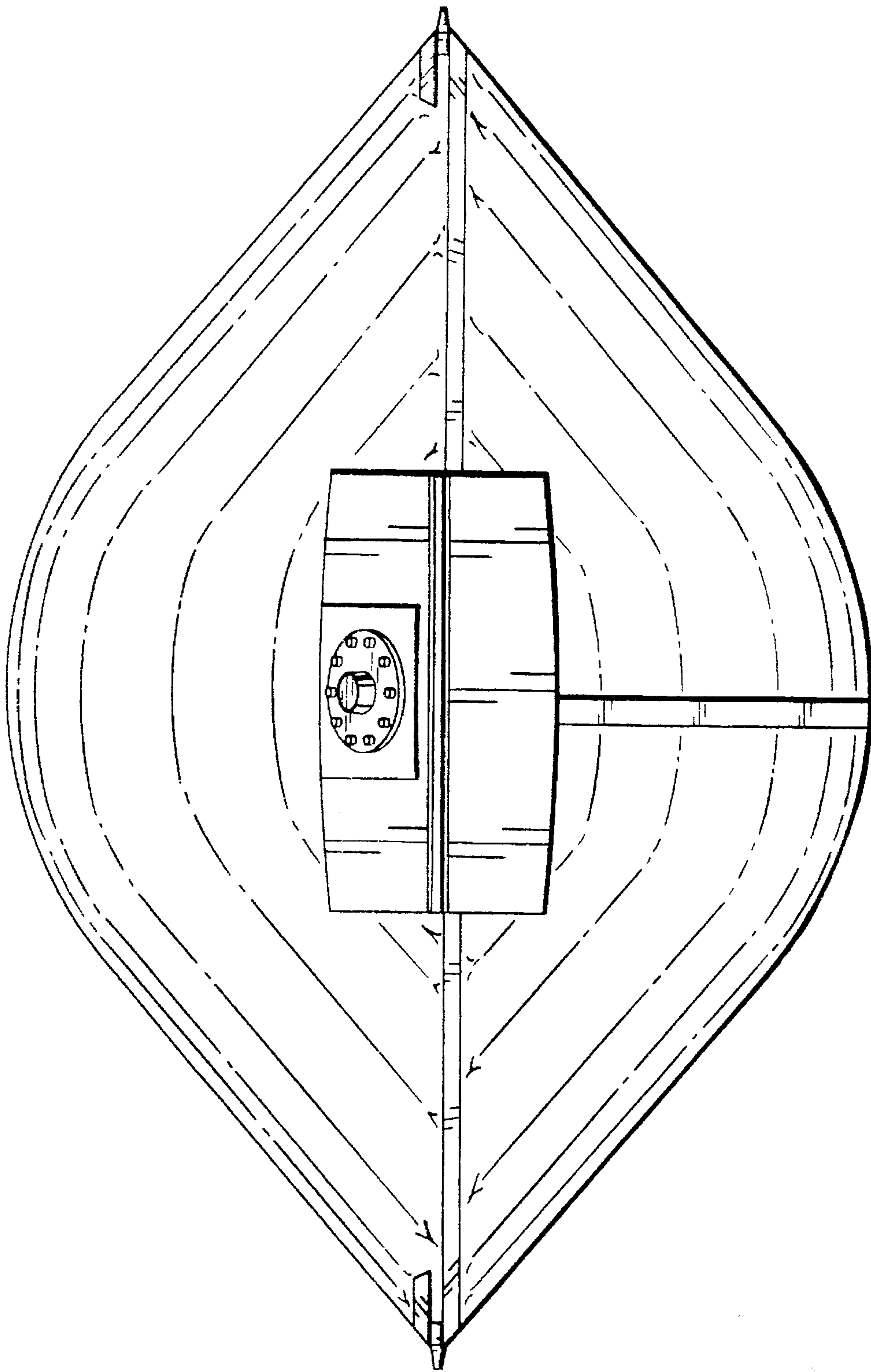


FIG. 16

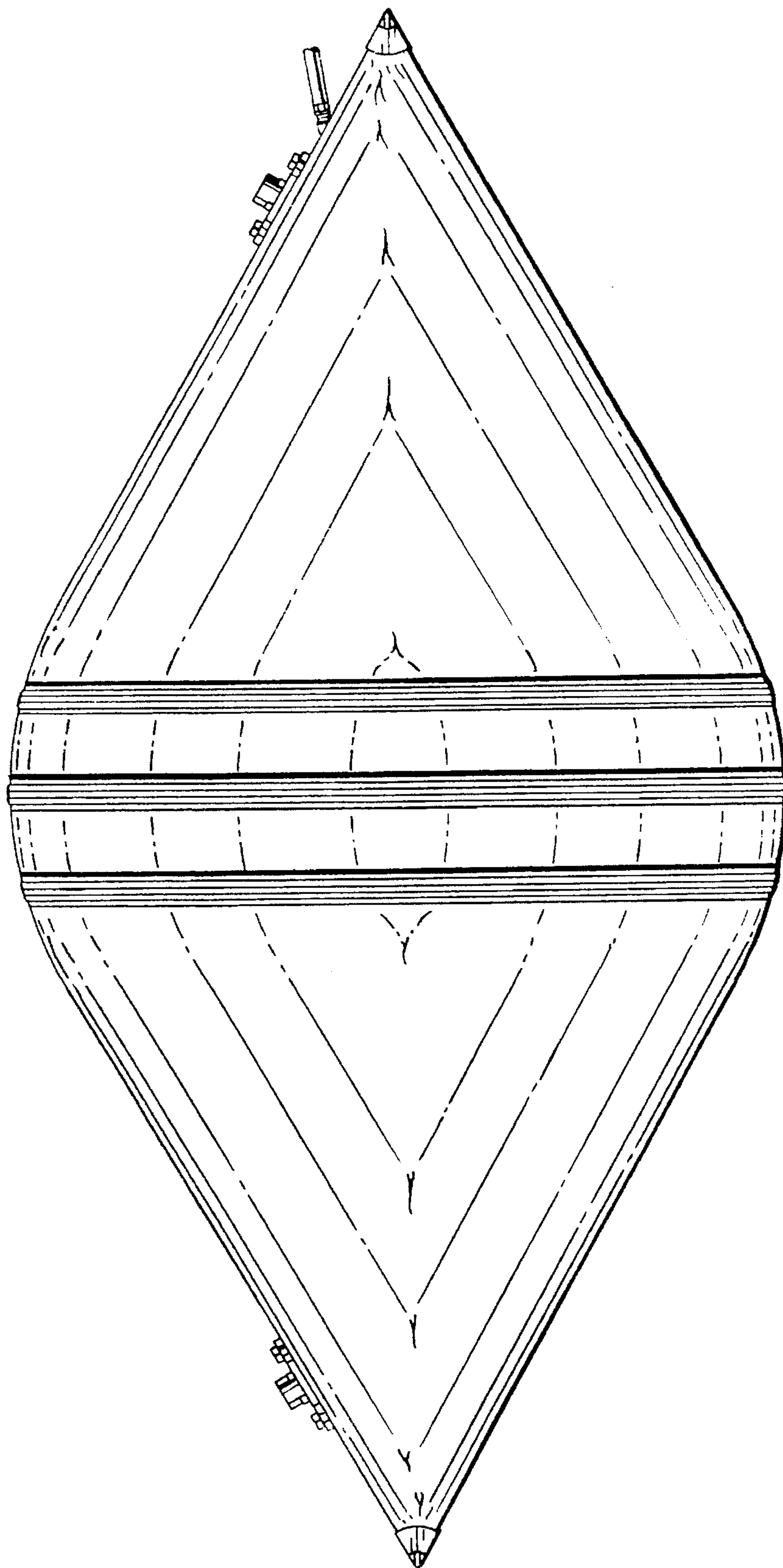


FIG. 17

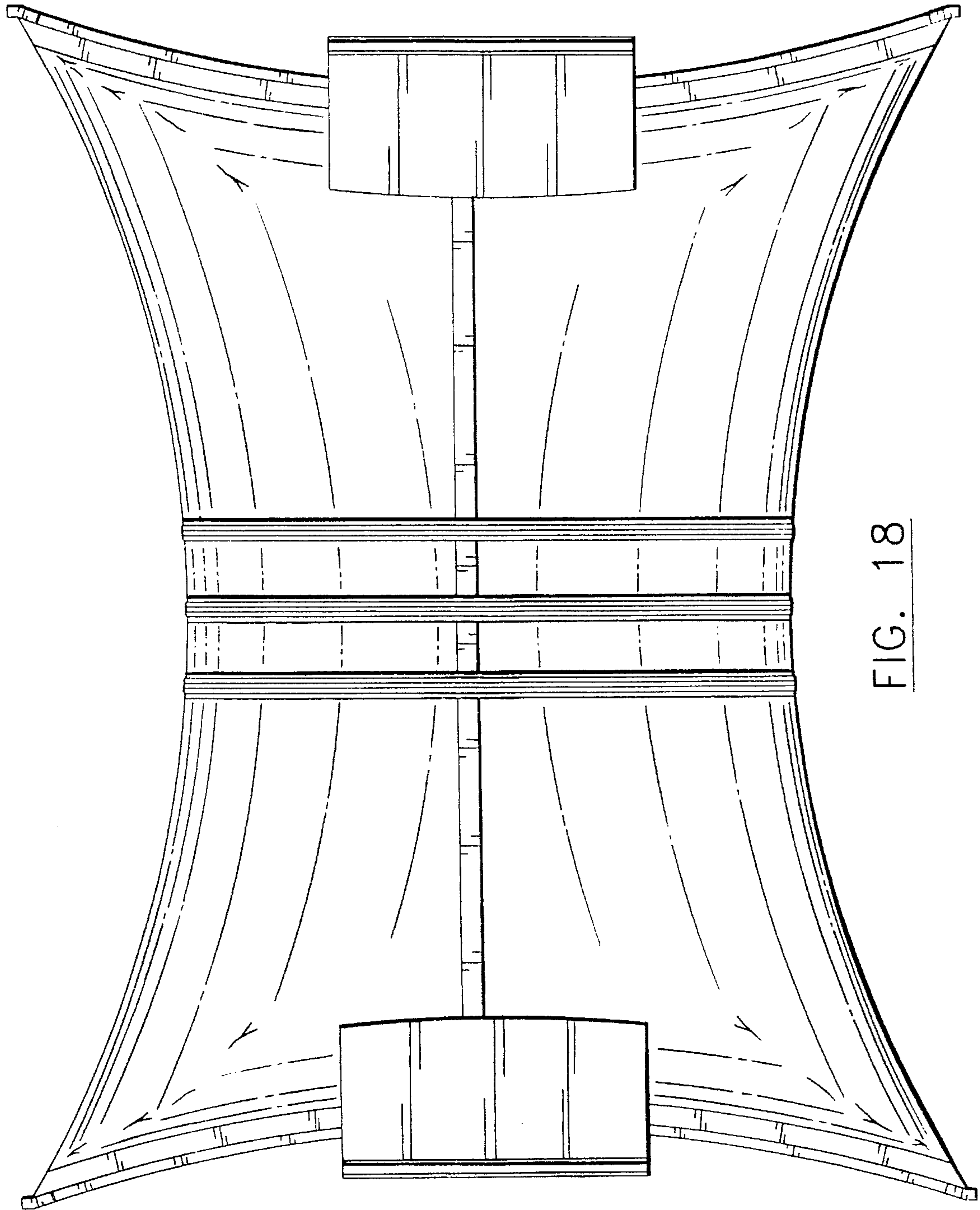


FIG. 18

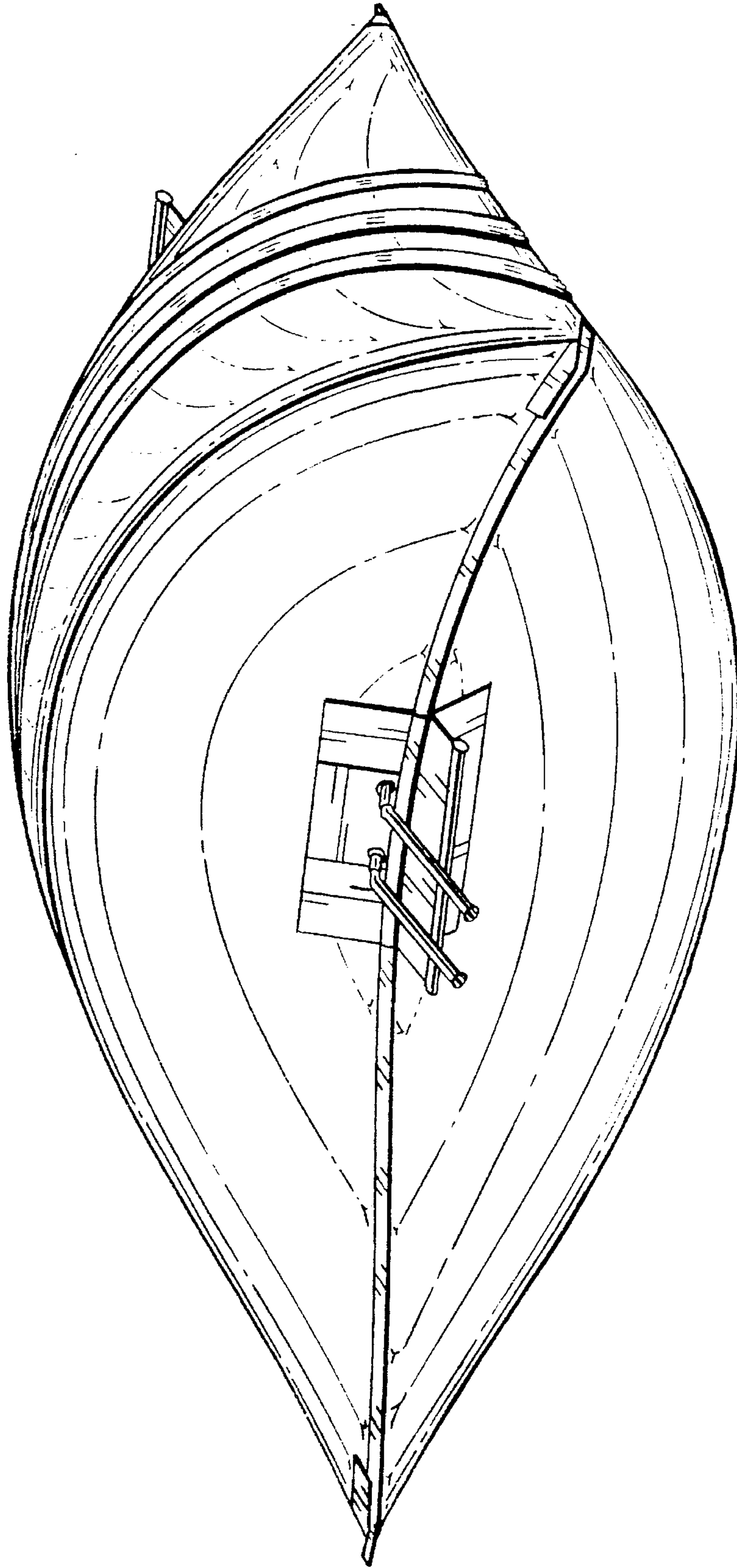


FIG. 19