



US00D851131S

(12) **United States Design Patent**
Jenner

(10) **Patent No.:** **US D851,131 S**
(45) **Date of Patent:** **** Jun. 11, 2019**

(54) **CENTRALIZER**

DESCRIPTION

- (71) Applicant: **CENTEK LIMITED**, Newton Abbot (GB)
- (72) Inventor: **Andrew Jenner**, Vechta (DE)
- (73) Assignee: **CENTEK LIMITED**, Newton Abbot, Devon (GB)
- (**) Term: **14 Years**
- (21) Appl. No.: **29/526,558**
- (22) Filed: **May 11, 2015**
- (30) **Foreign Application Priority Data**
 - Jan. 27, 2015 (WO) DM/085448
 - Jan. 27, 2015 (WO) DM/085449
 - Feb. 26, 2015 (WO) DM/085736
- (51) **LOC (11) Cl.** **15-04**
- (52) **U.S. Cl.**
 - USPC **D15/21**
- (58) **Field of Classification Search**
 - USPC D8/354, 349, 356; D15/10, 21; 166/384, 166/241.1-241.7, 213, 173, 208, 382
 - (Continued)

FIG. 1 is a front elevation view of an embodiment of a centralizer showing the new design;
 FIG. 2 is a right elevation view thereof, the left elevation view being identical thereto;
 FIG. 3 is top elevation view thereof, the bottom elevation view being identical thereto;
 FIG. 4 is a perspective view thereof;
 FIG. 5 is a front elevation view of an alternative embodiment of a centralizer showing the new design;
 FIG. 6 is a right elevation view thereof, the left elevation view being identical thereto;
 FIG. 7 is top elevation view thereof, the bottom elevation view being identical thereto;
 FIG. 8 is a perspective view thereof;
 FIG. 9 is a front elevation view of an alternative embodiment of a centralizer showing the new design;
 FIG. 10 is a right elevation view thereof, the left elevation view being identical thereto;
 FIG. 11 is top elevation view thereof, the bottom elevation view being identical thereto;
 FIG. 12 is a perspective view thereof;
 FIG. 13 is a front elevation view of an alternative embodiment of a centralizer showing the new design;
 FIG. 14 is a right elevation view thereof, the left elevation view being identical thereto;
 FIG. 15 is top elevation view thereof, the bottom elevation view being identical thereto;
 FIG. 16 is a perspective view thereof;
 FIG. 17 is a front elevation view of an alternative embodiment of a centralizer showing the new design;
 FIG. 18 is a right elevation view thereof, the left elevation view being identical thereto;
 FIG. 19 is top elevation view thereof, the bottom elevation view being identical thereto;
 FIG. 20 is a perspective view thereof;
 FIG. 21 is a front elevation view of an alternative embodiment of a centralizer showing the new design;
 FIG. 22 is a right elevation view thereof, the left elevation view being identical thereto;
 FIG. 23 is a top elevation view thereof, the bottom elevation view being identical thereto; and,
 FIG. 24 is a perspective view thereof.

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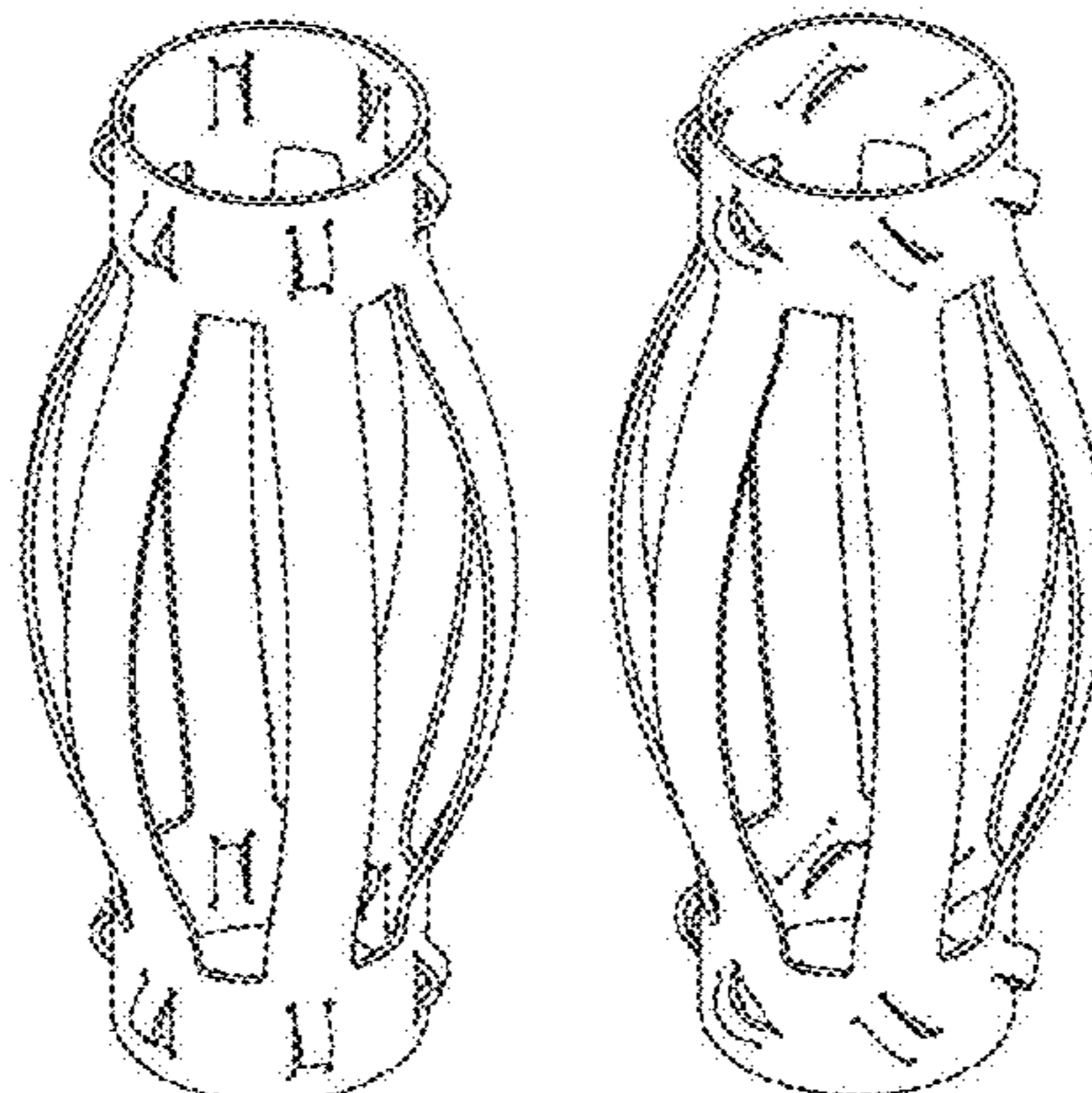
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Primary Examiner — Janice Hallmark
Assistant Examiner — Harold E Blackwell, II

(57) **CLAIM**

The ornamental design for a centralizer, as shown and described.

1 Claim, 24 Drawing Sheets



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(58) **Field of Classification Search**

CPC E21B 17/1078; E21B 17/1035; E21B
17/1064; E21B 17/1057

See application file for complete search history.

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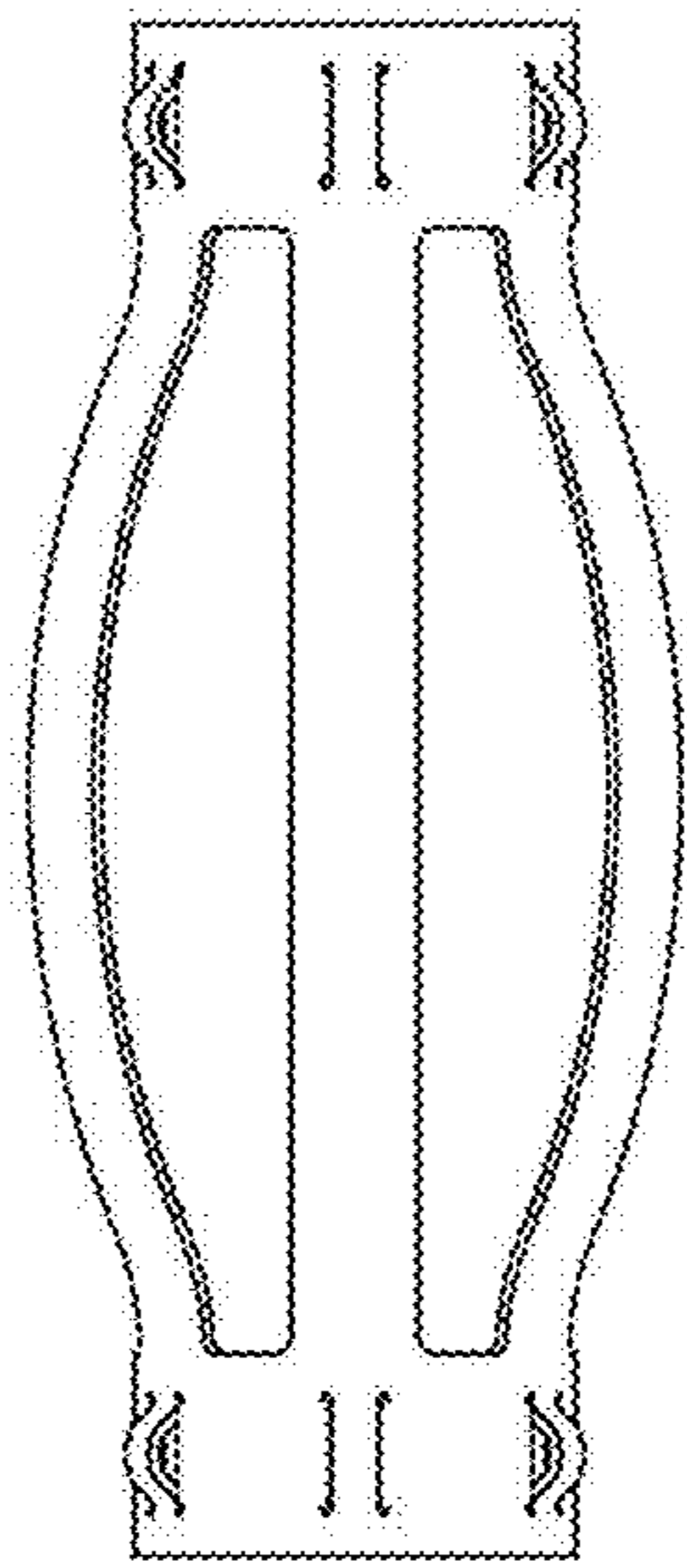


Figure 1

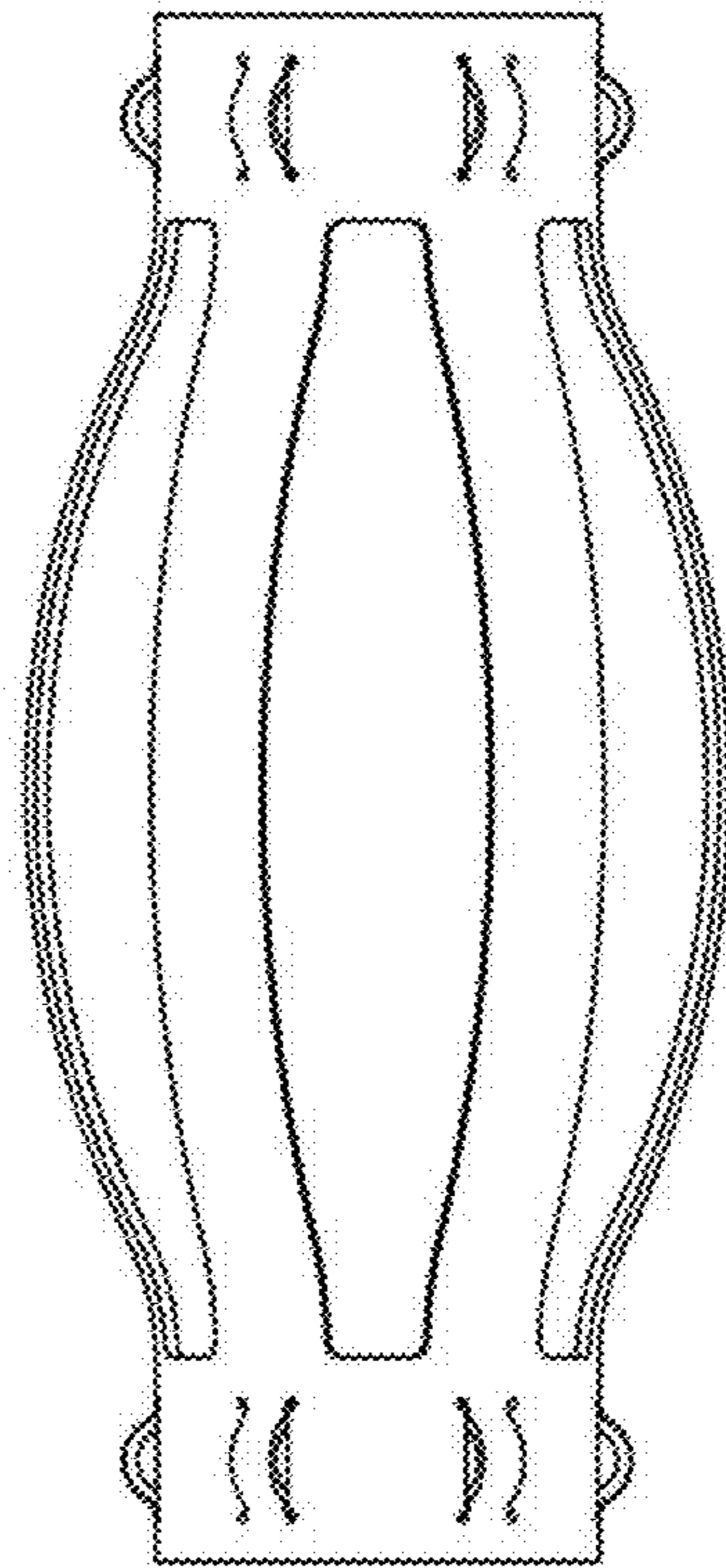


Figure 2

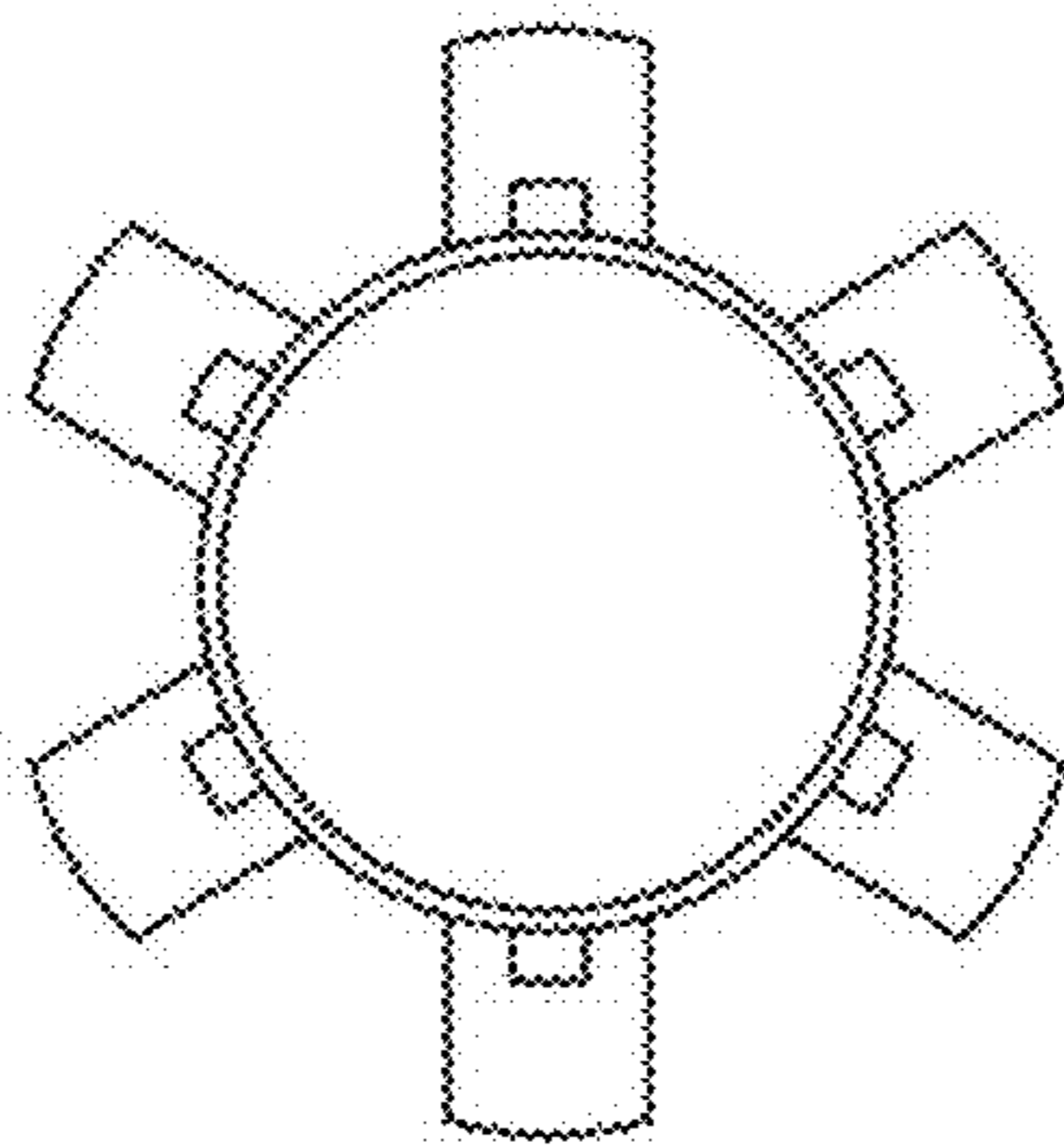


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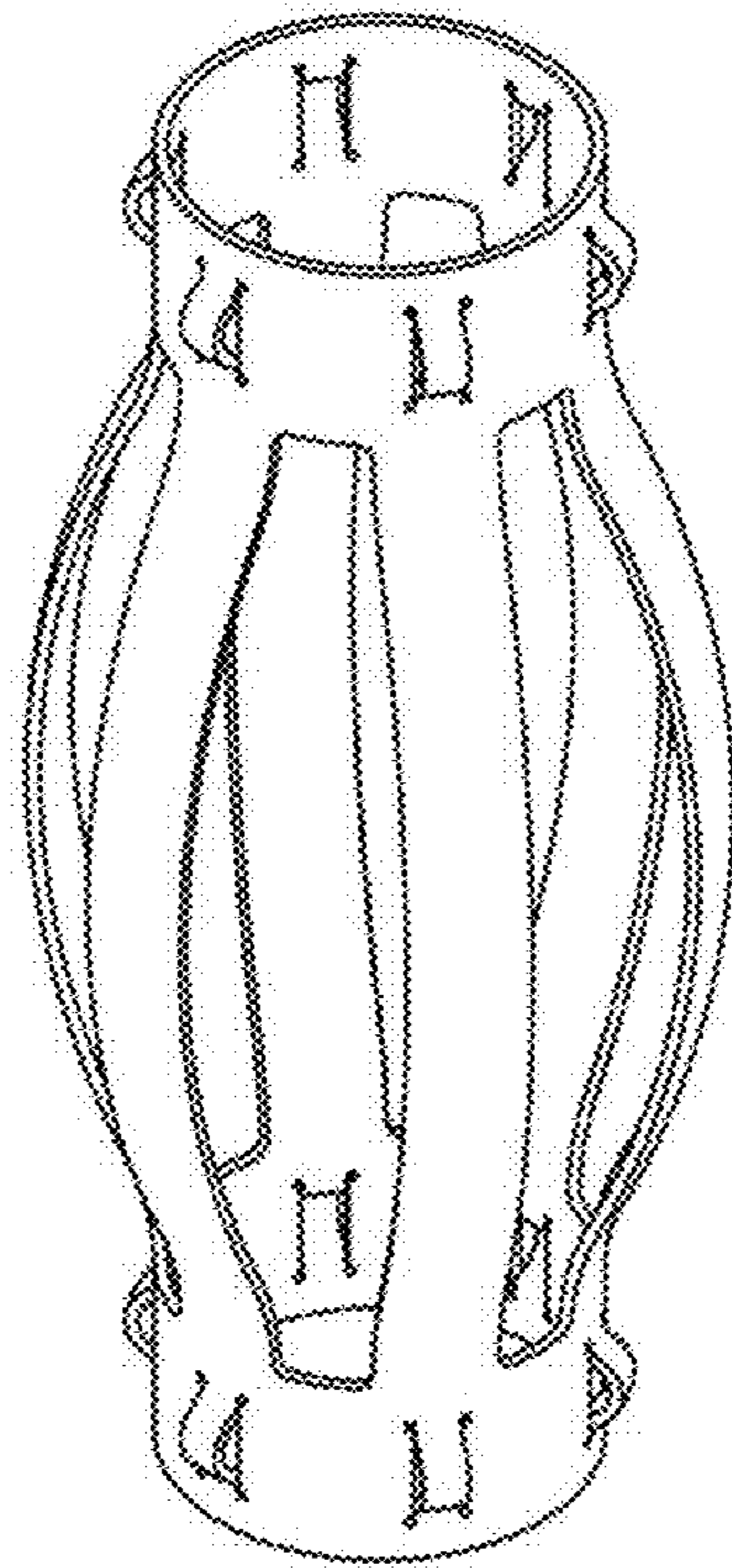


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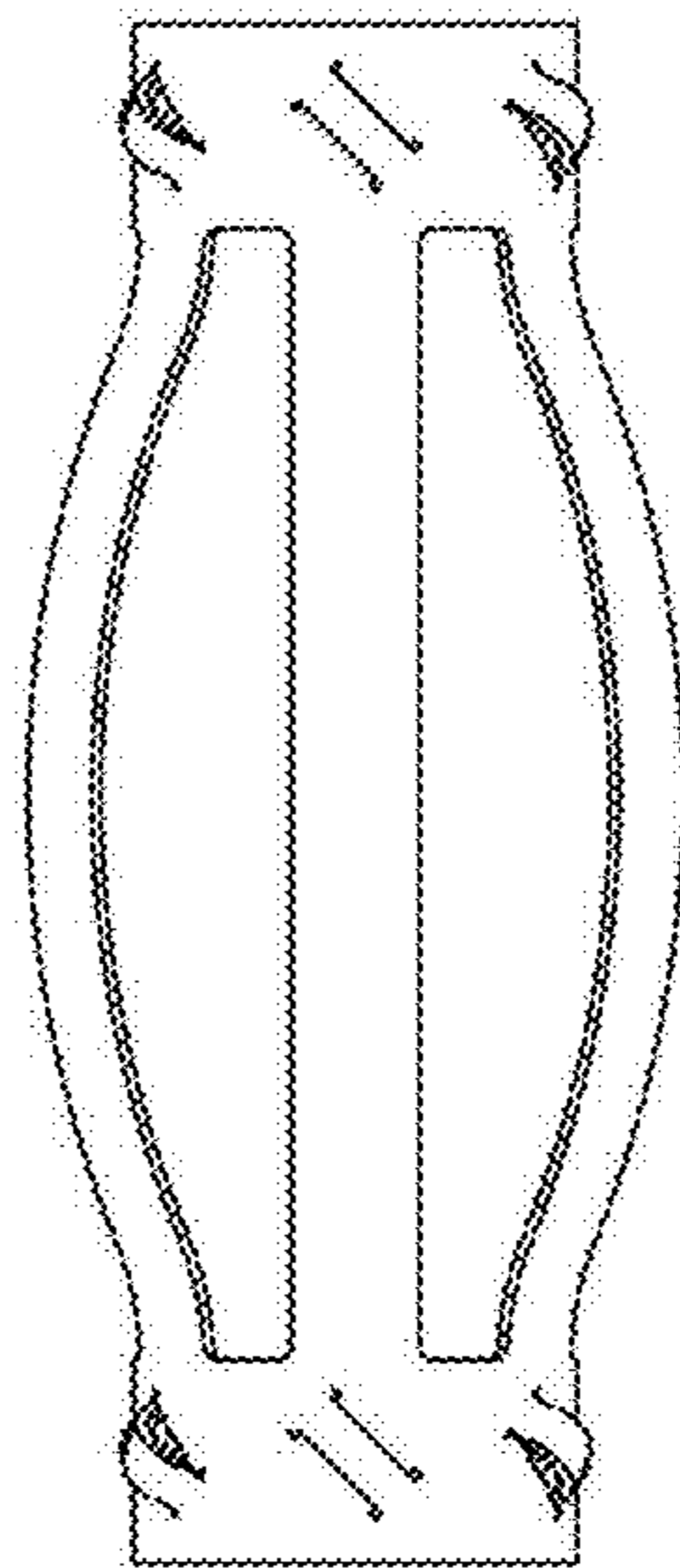


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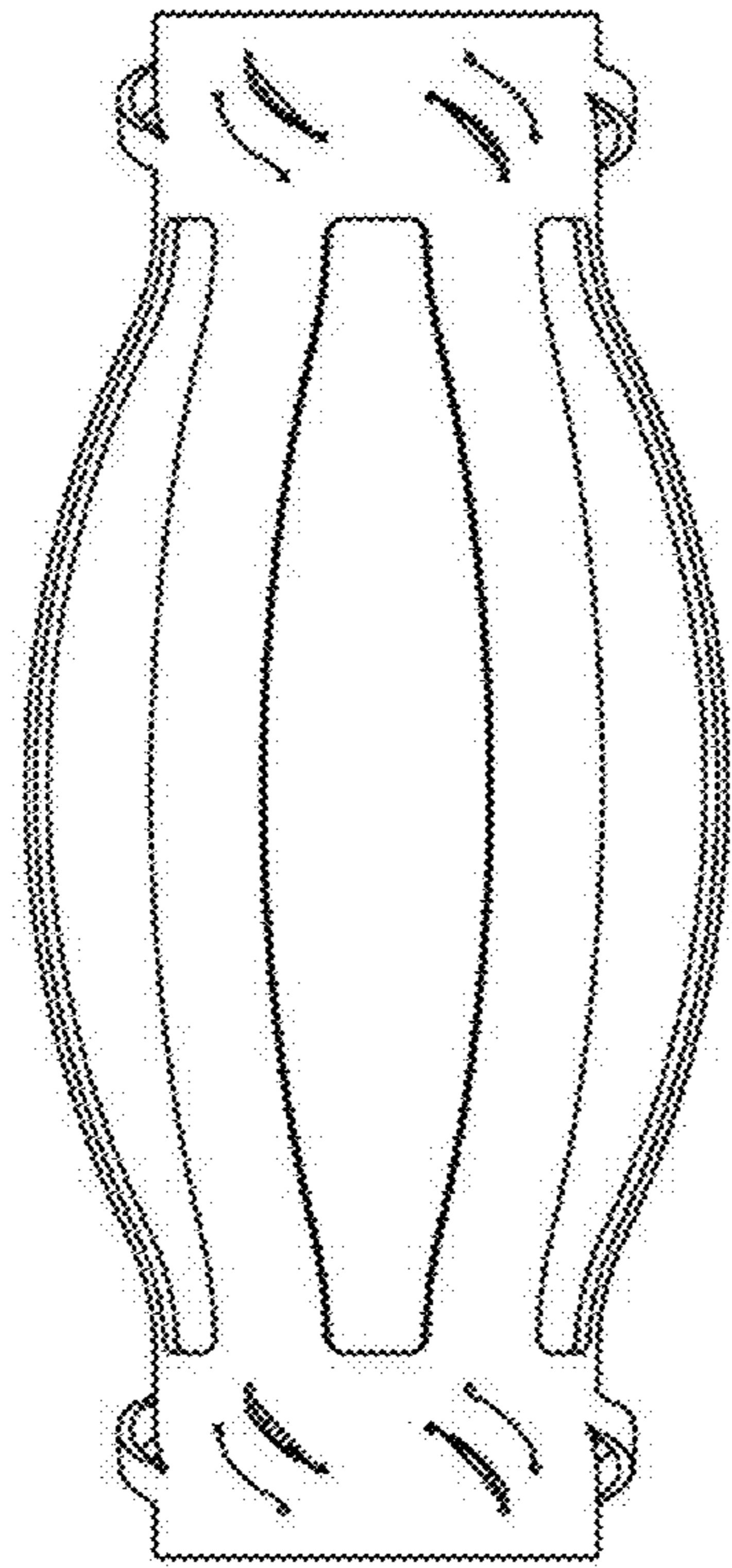


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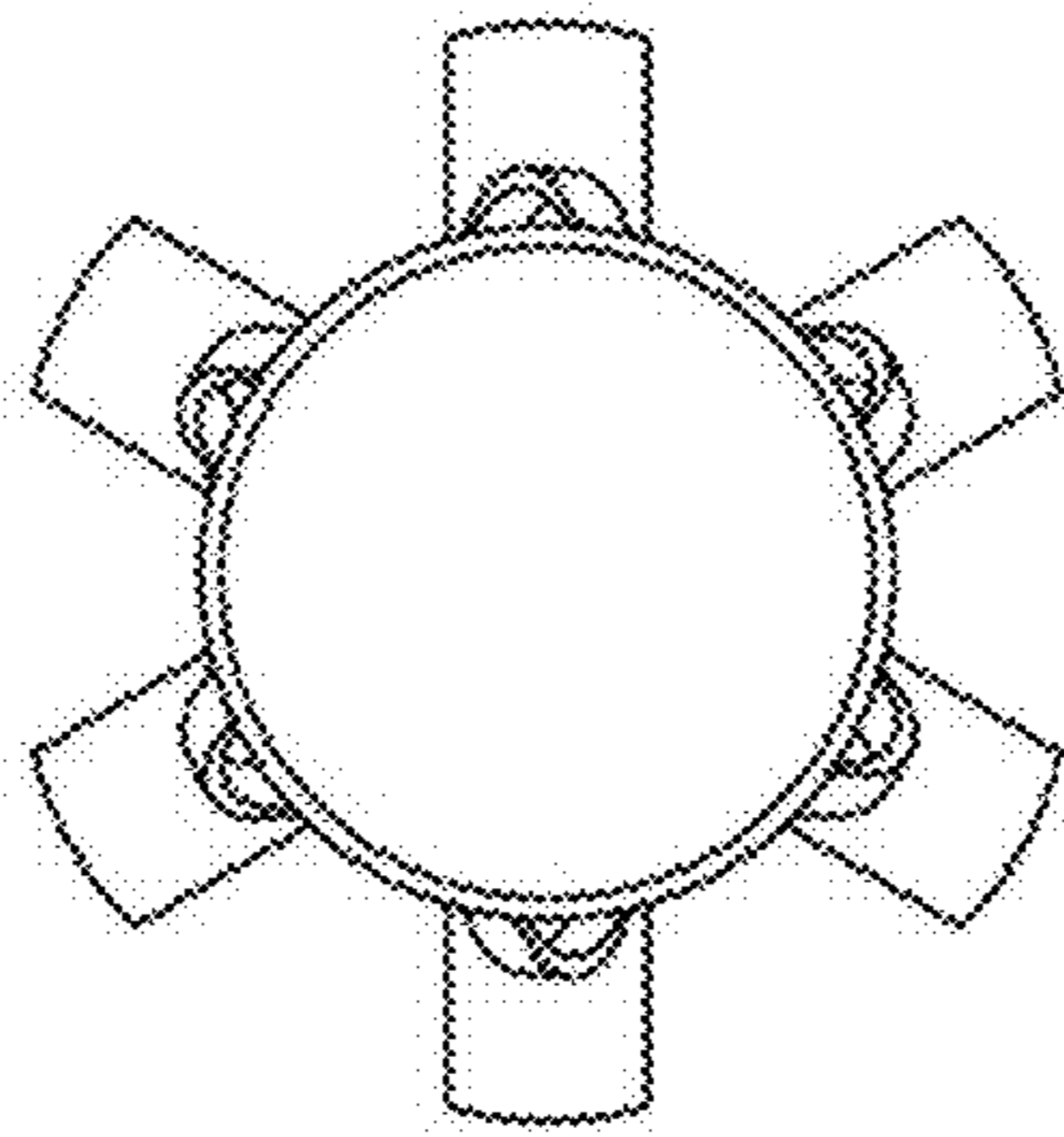


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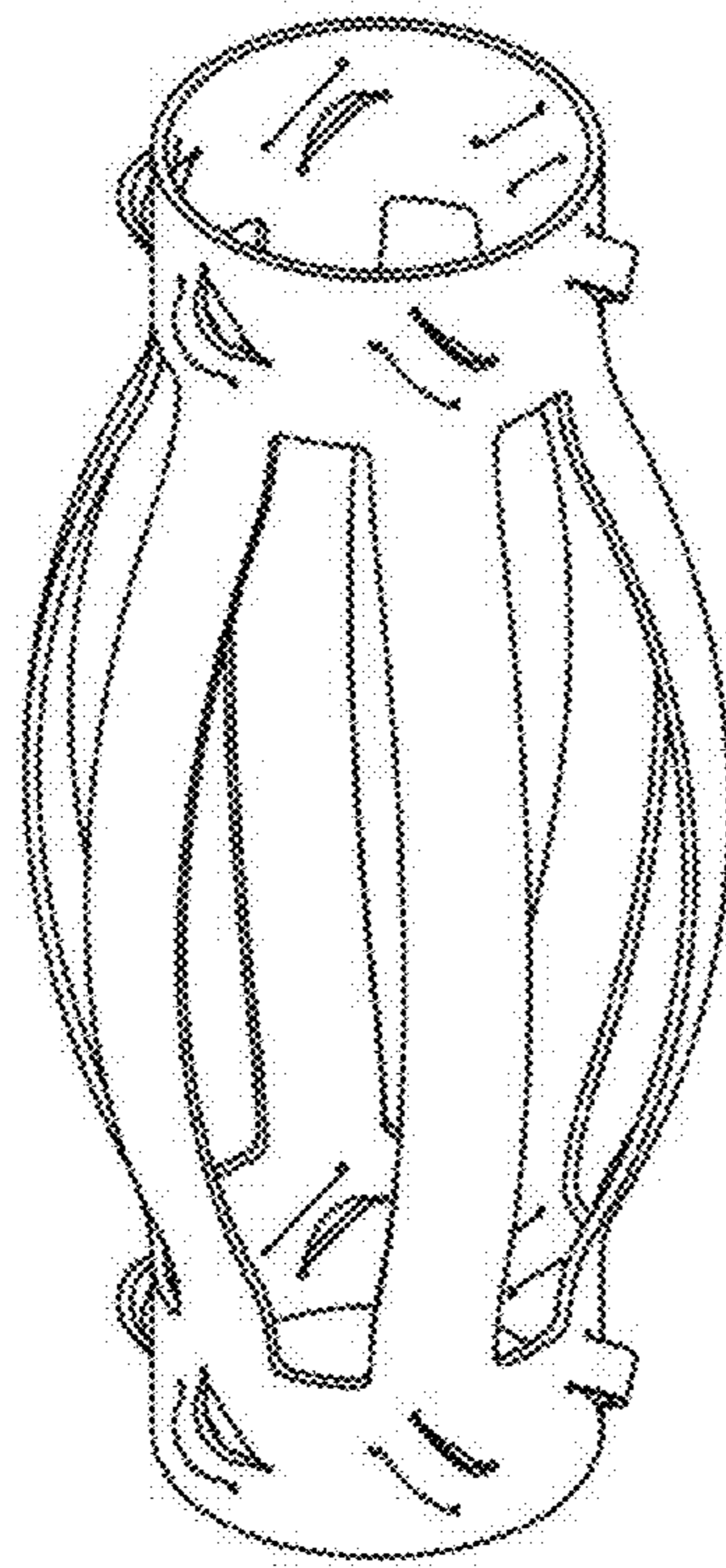


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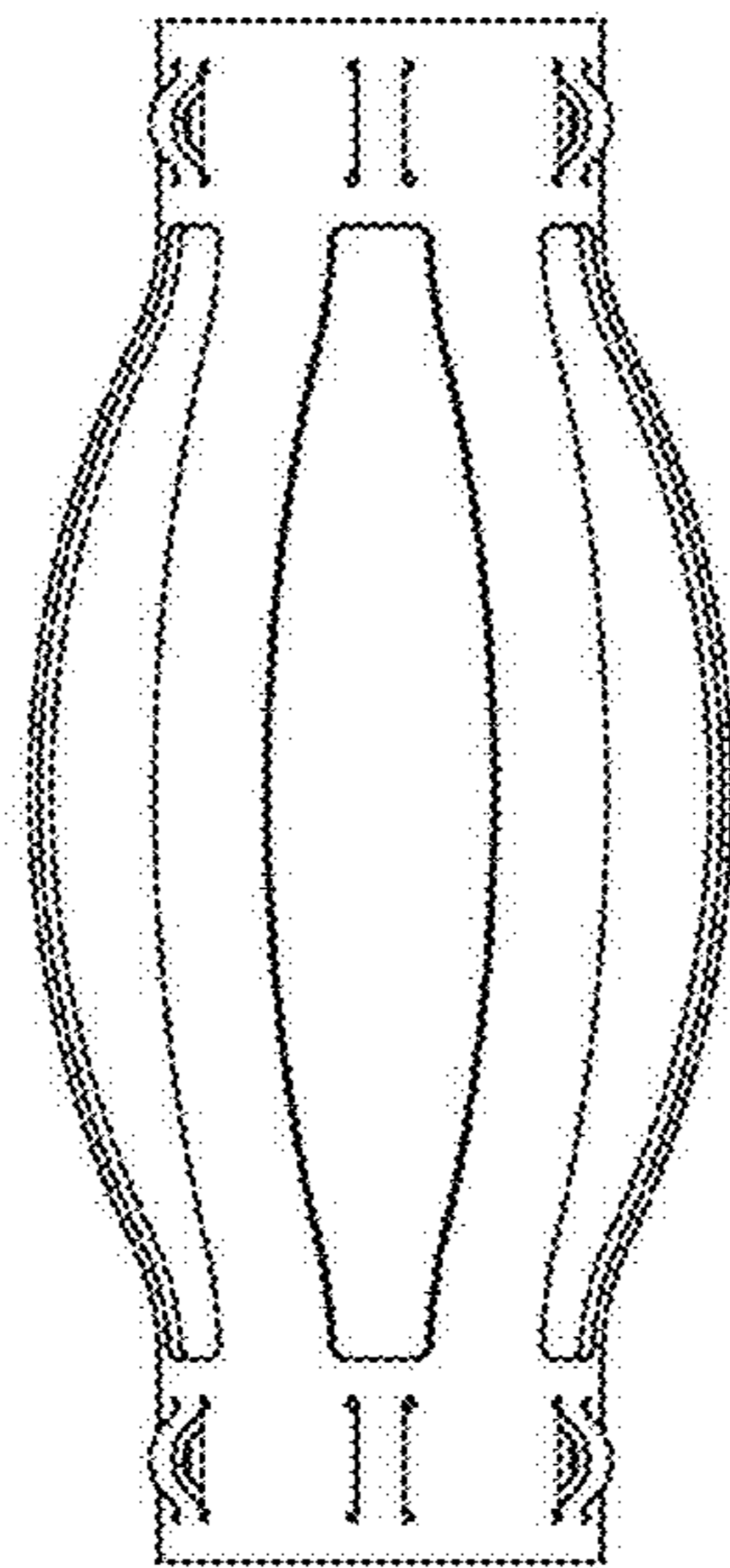


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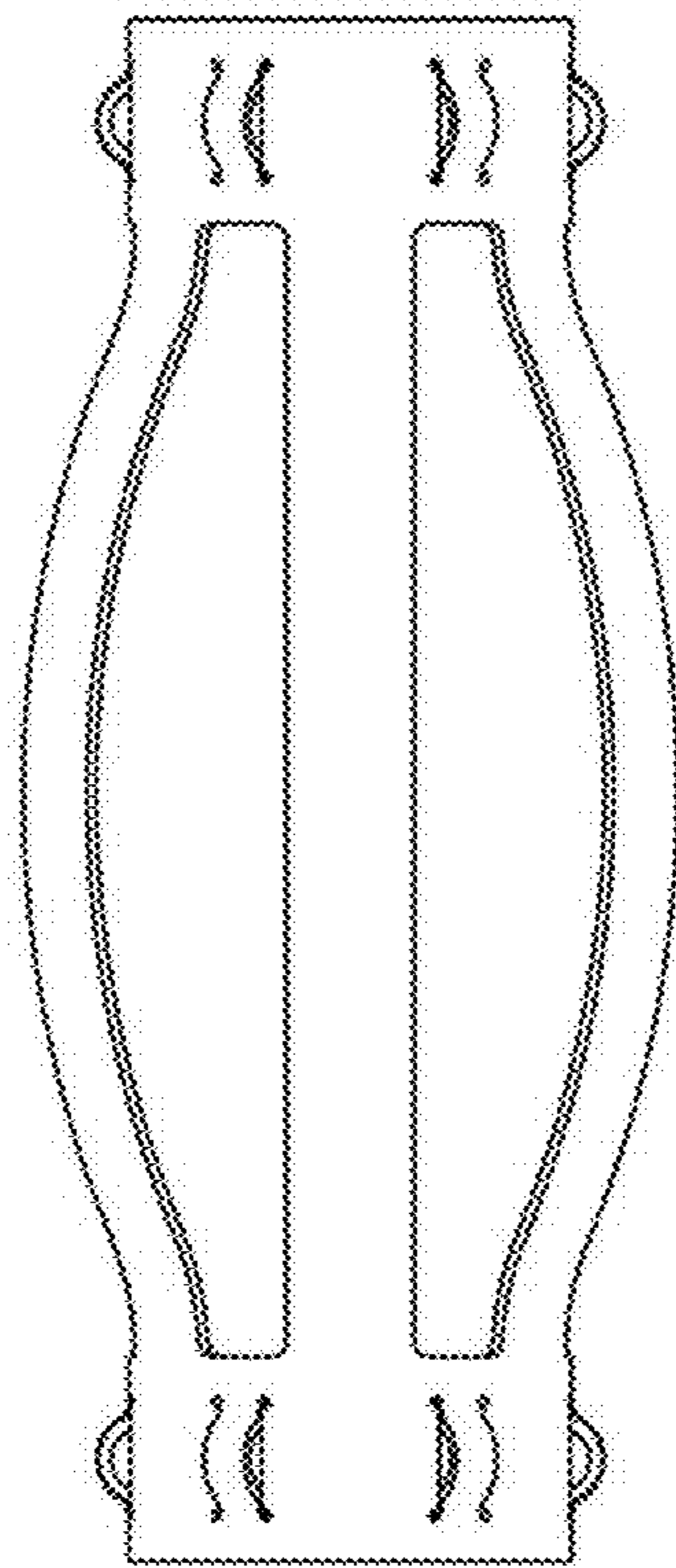


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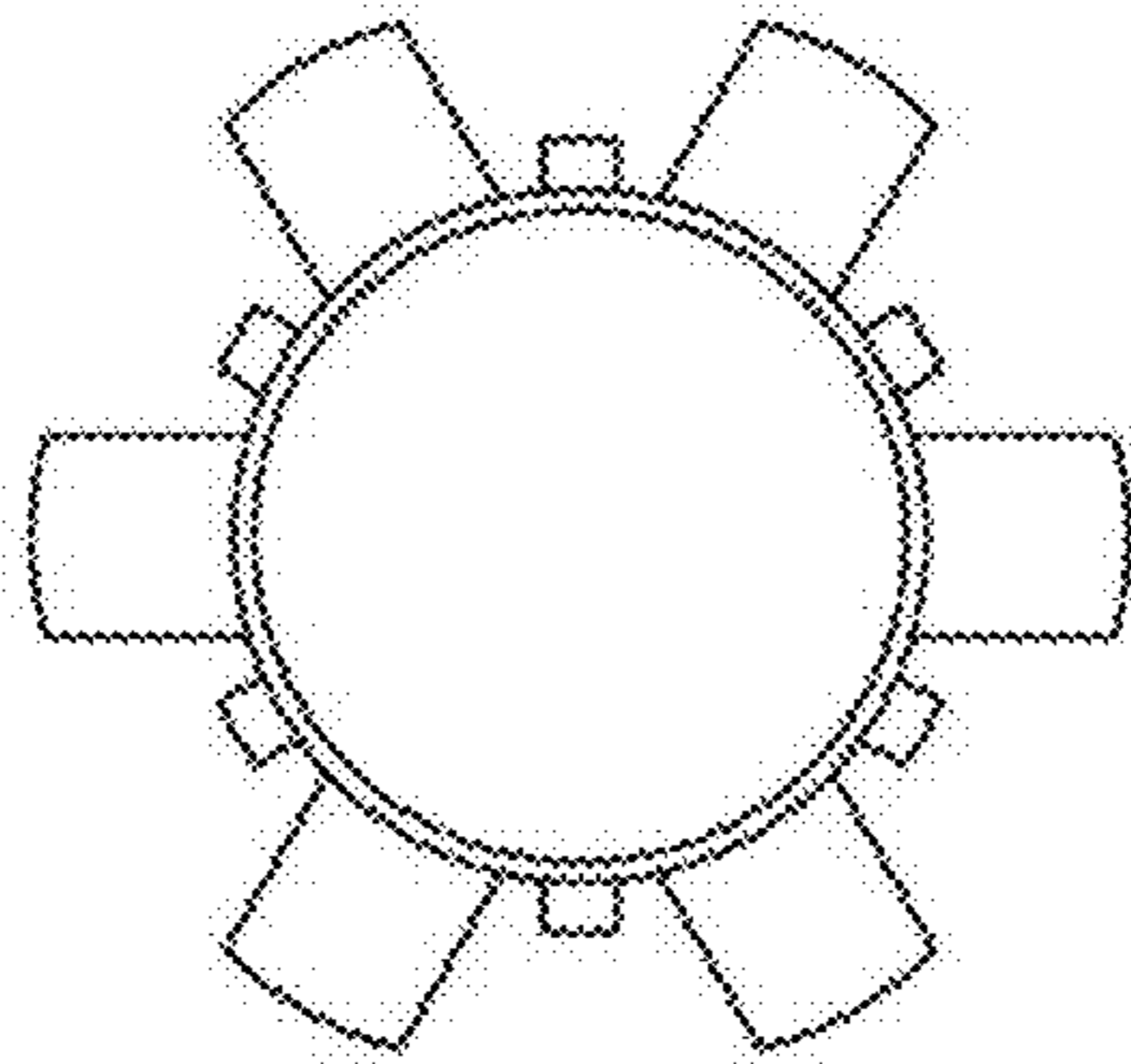


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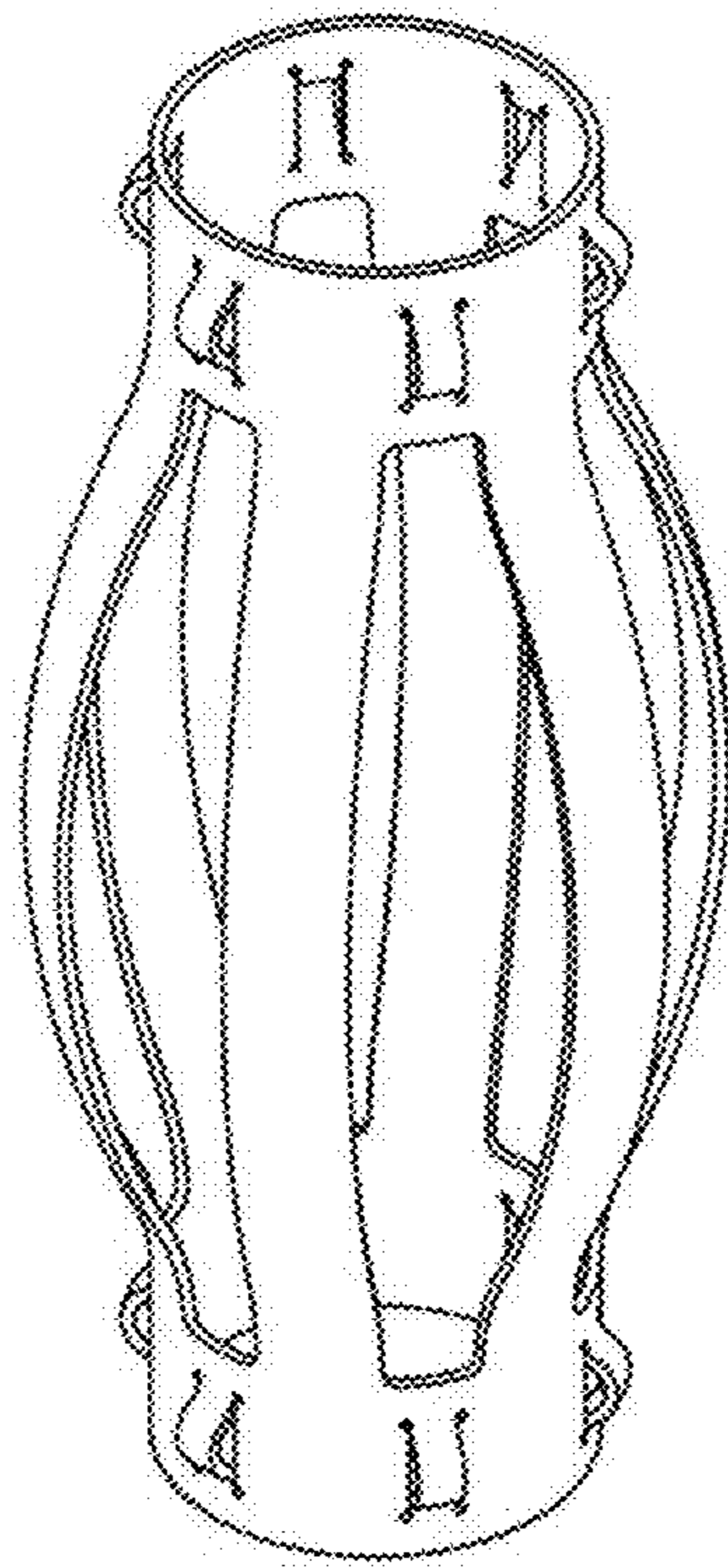


Figure 12

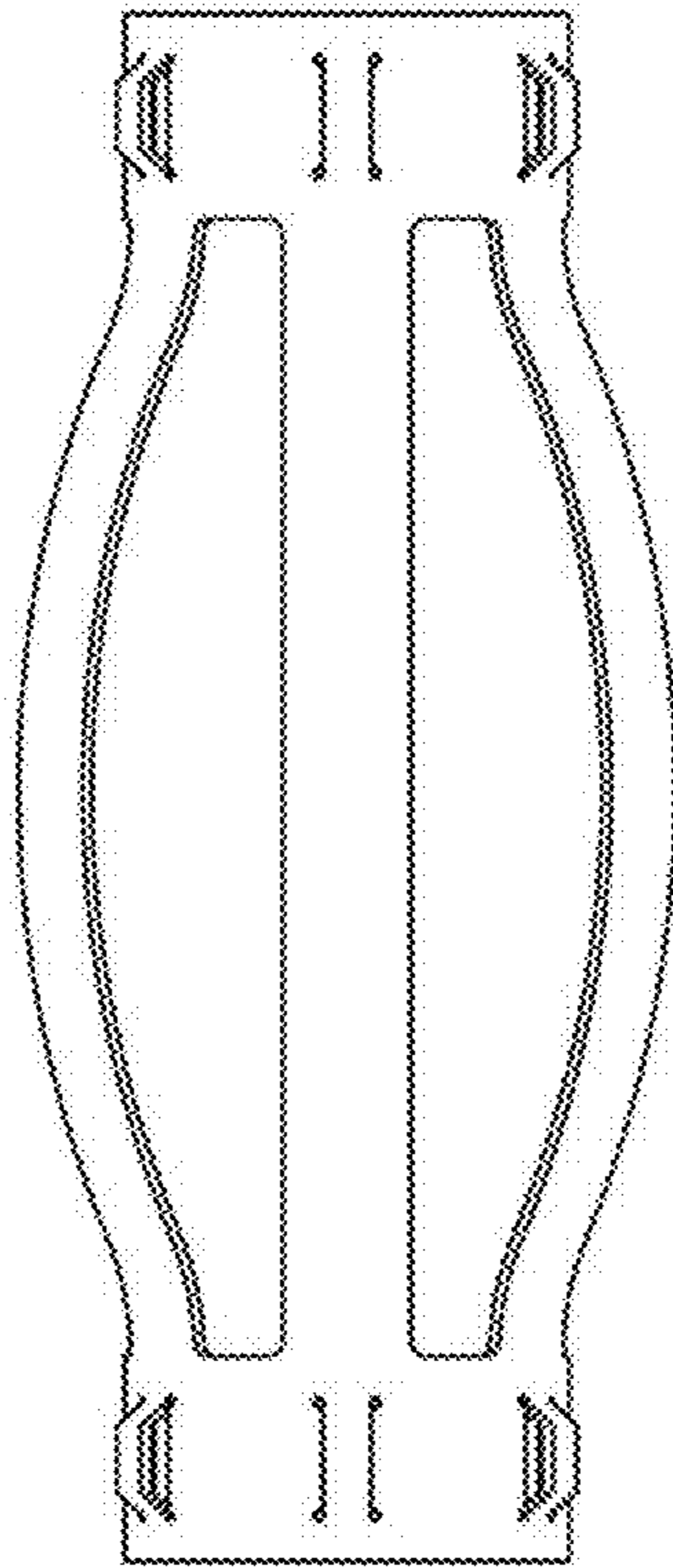


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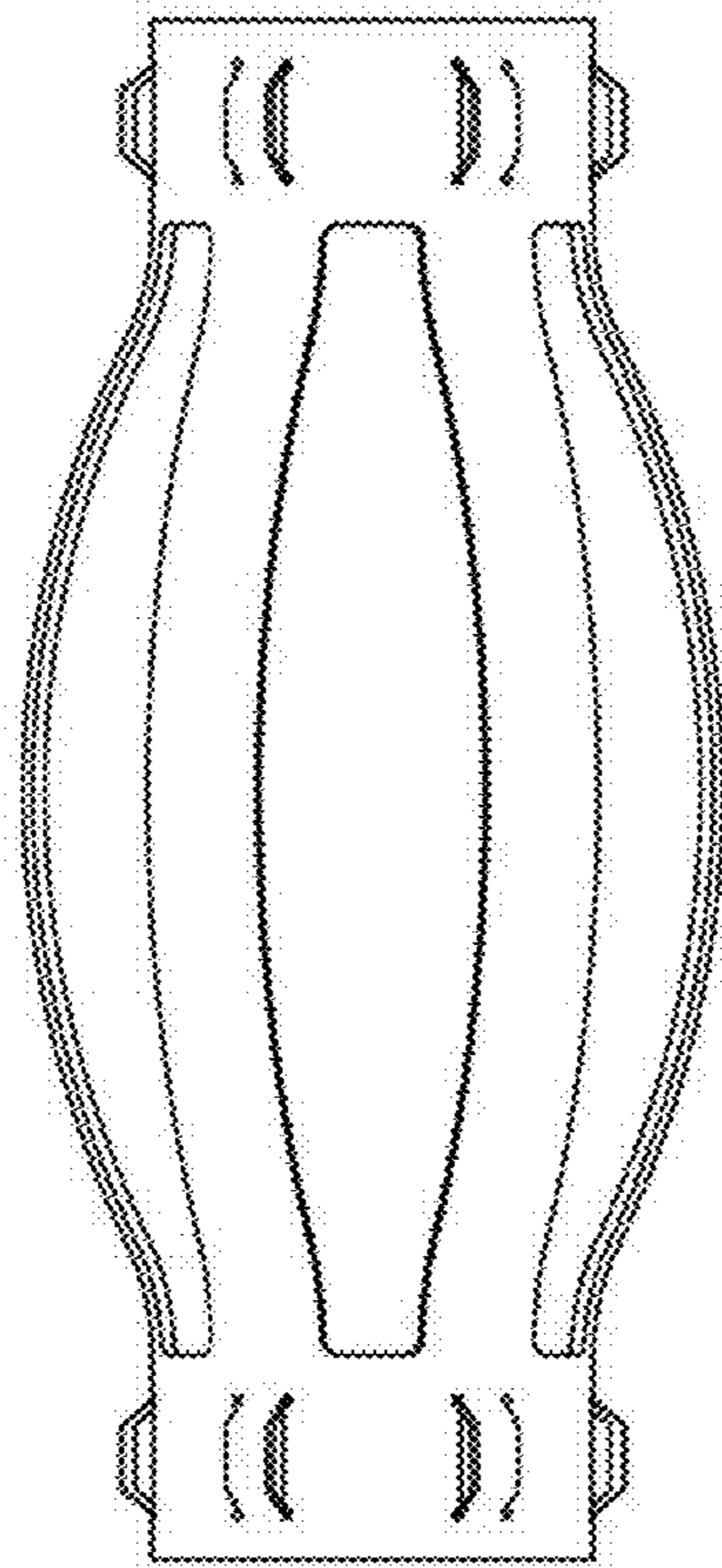


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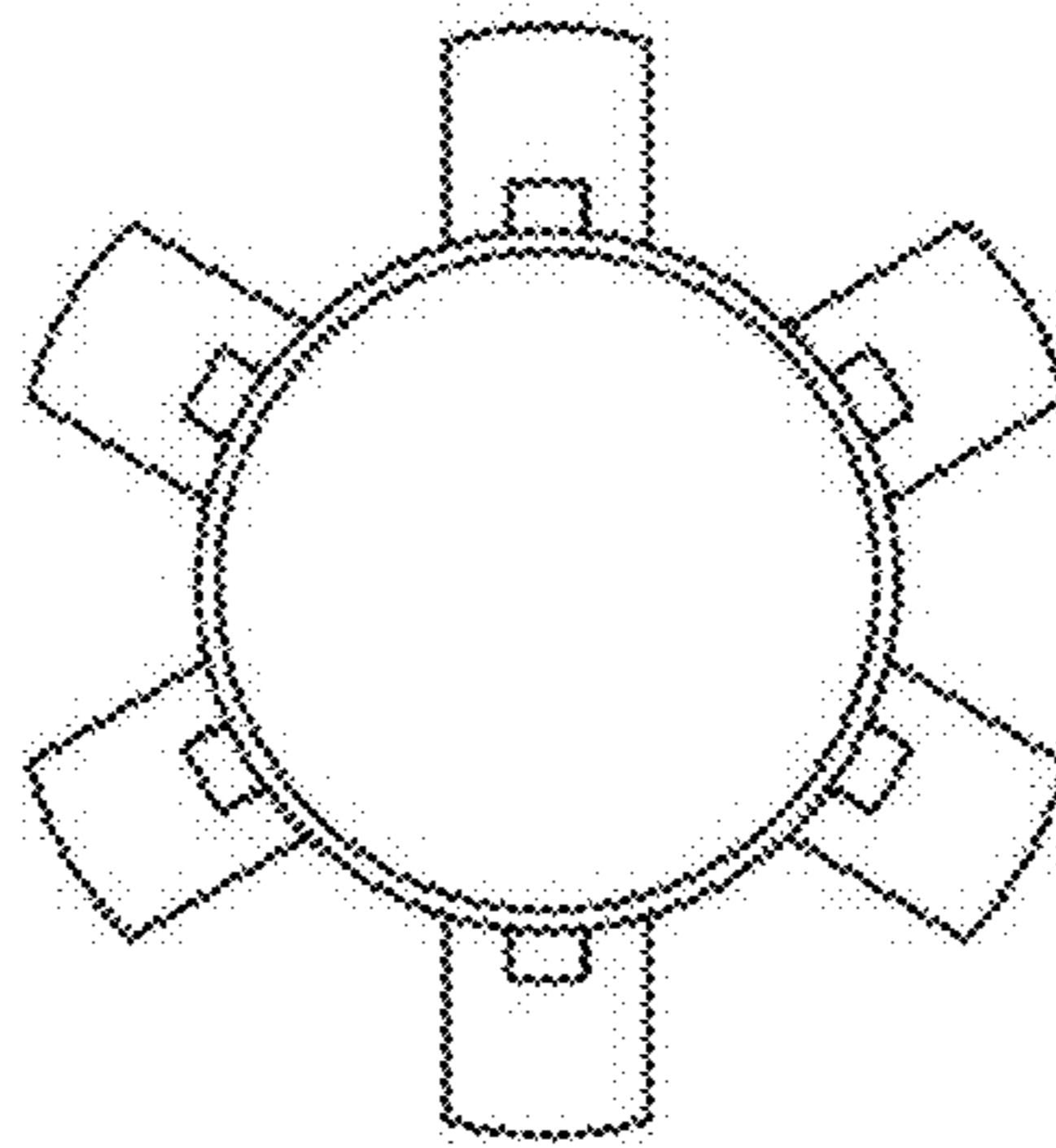


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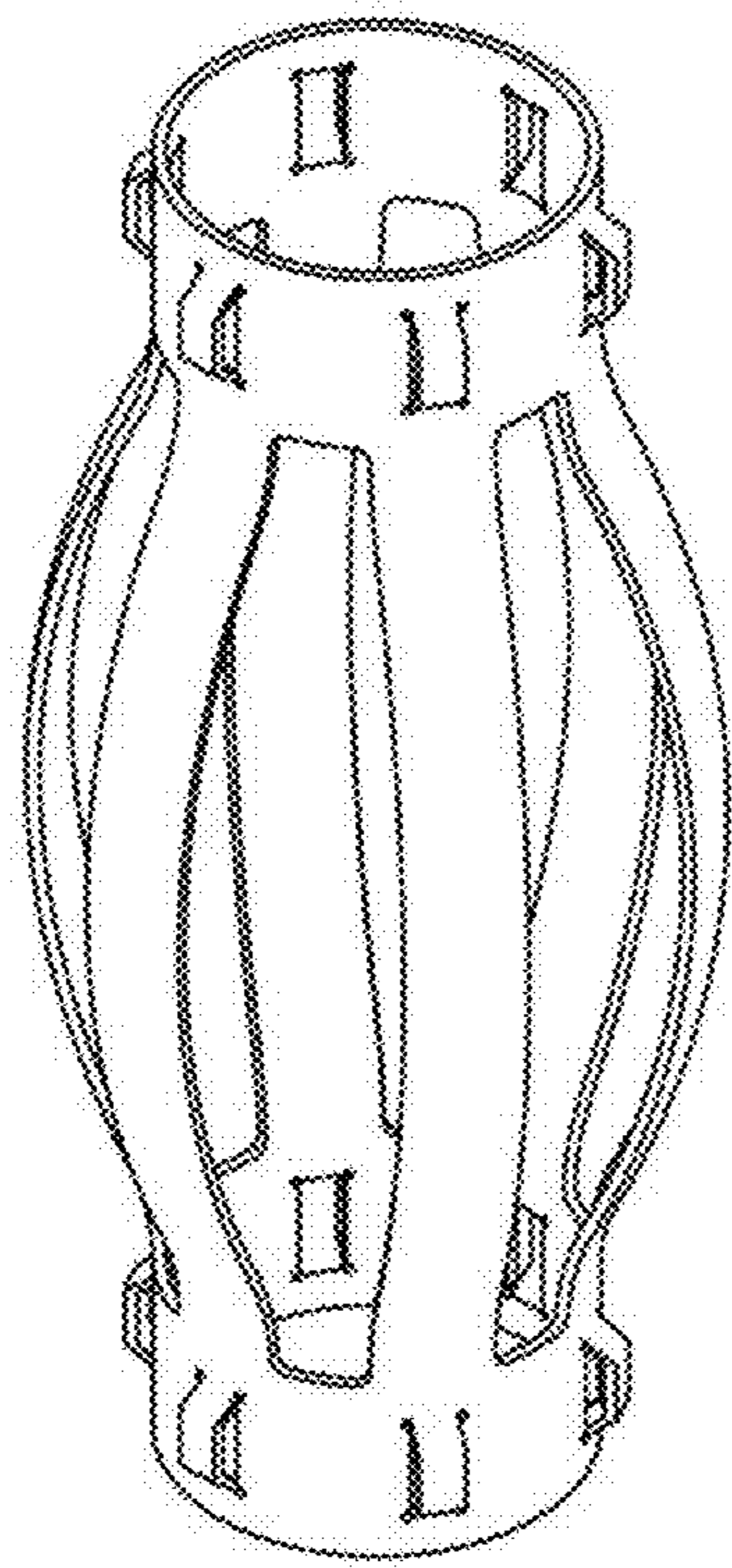


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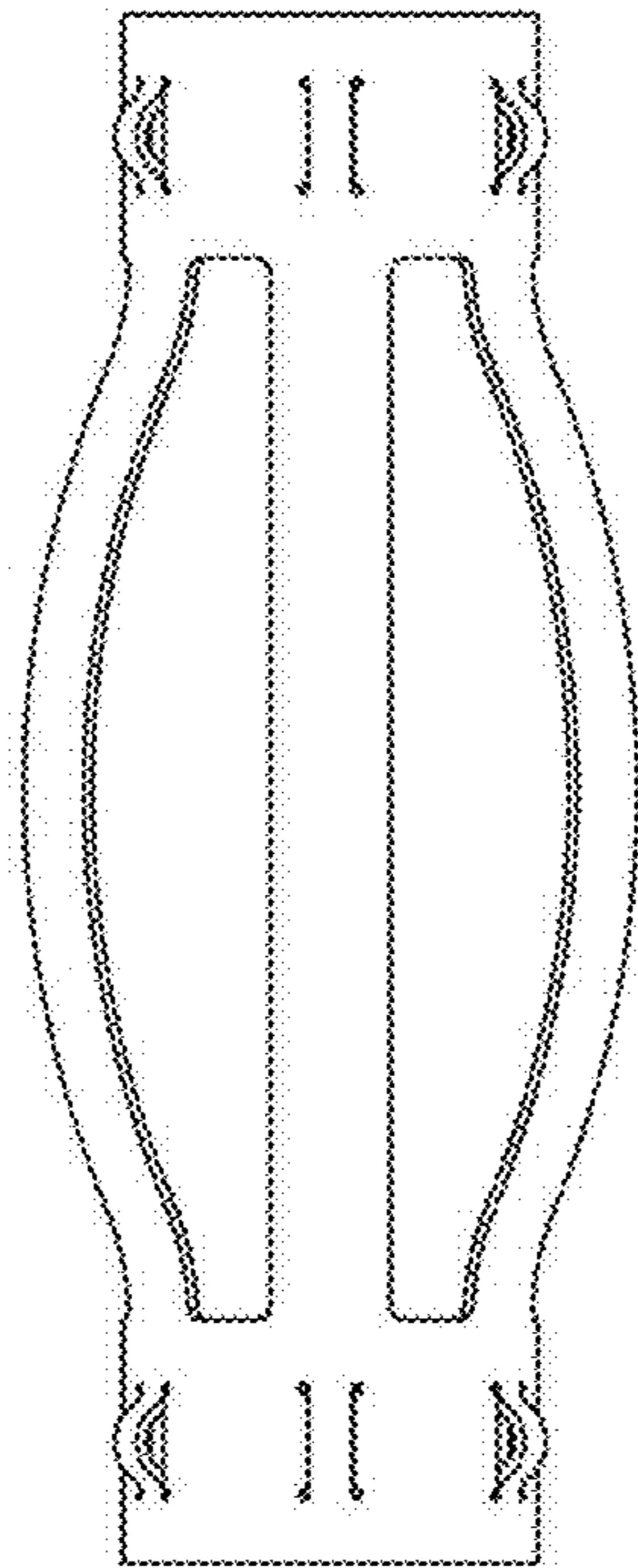


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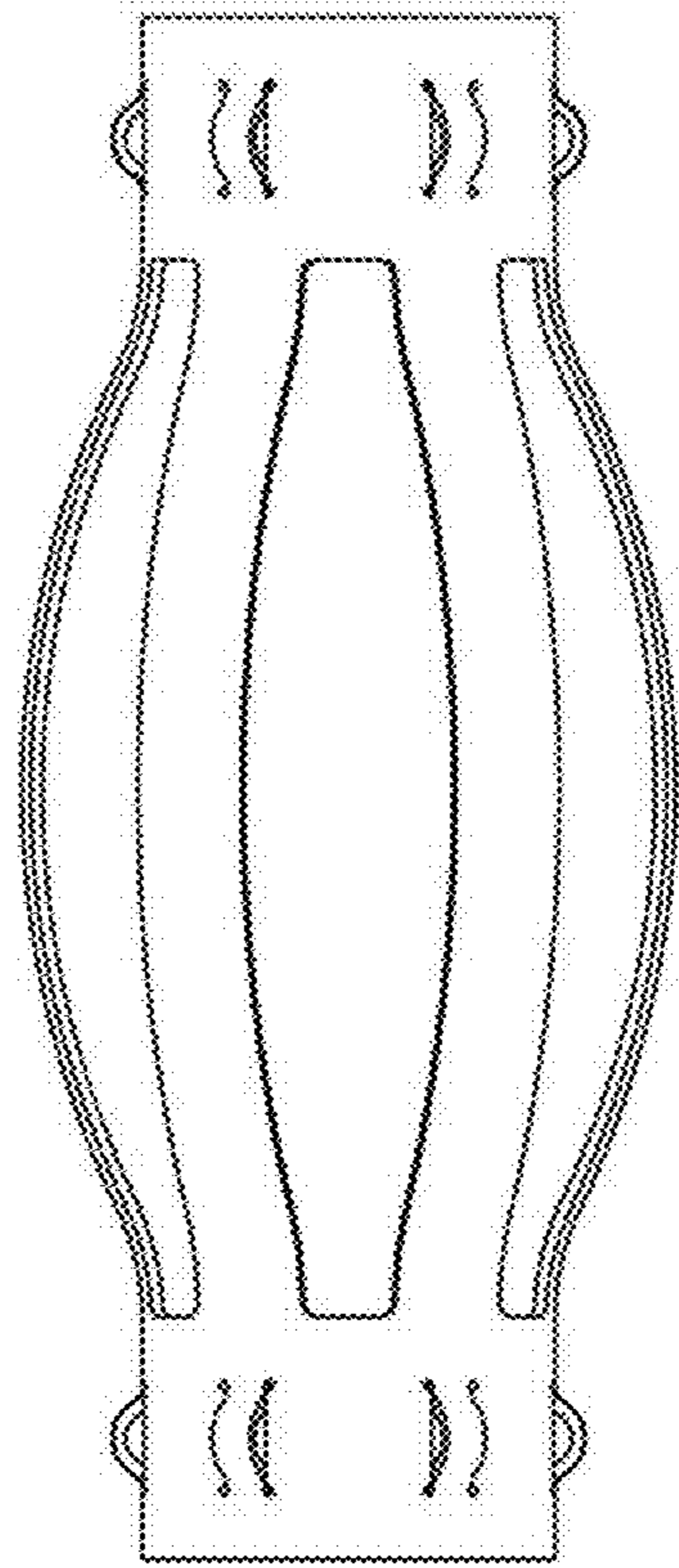


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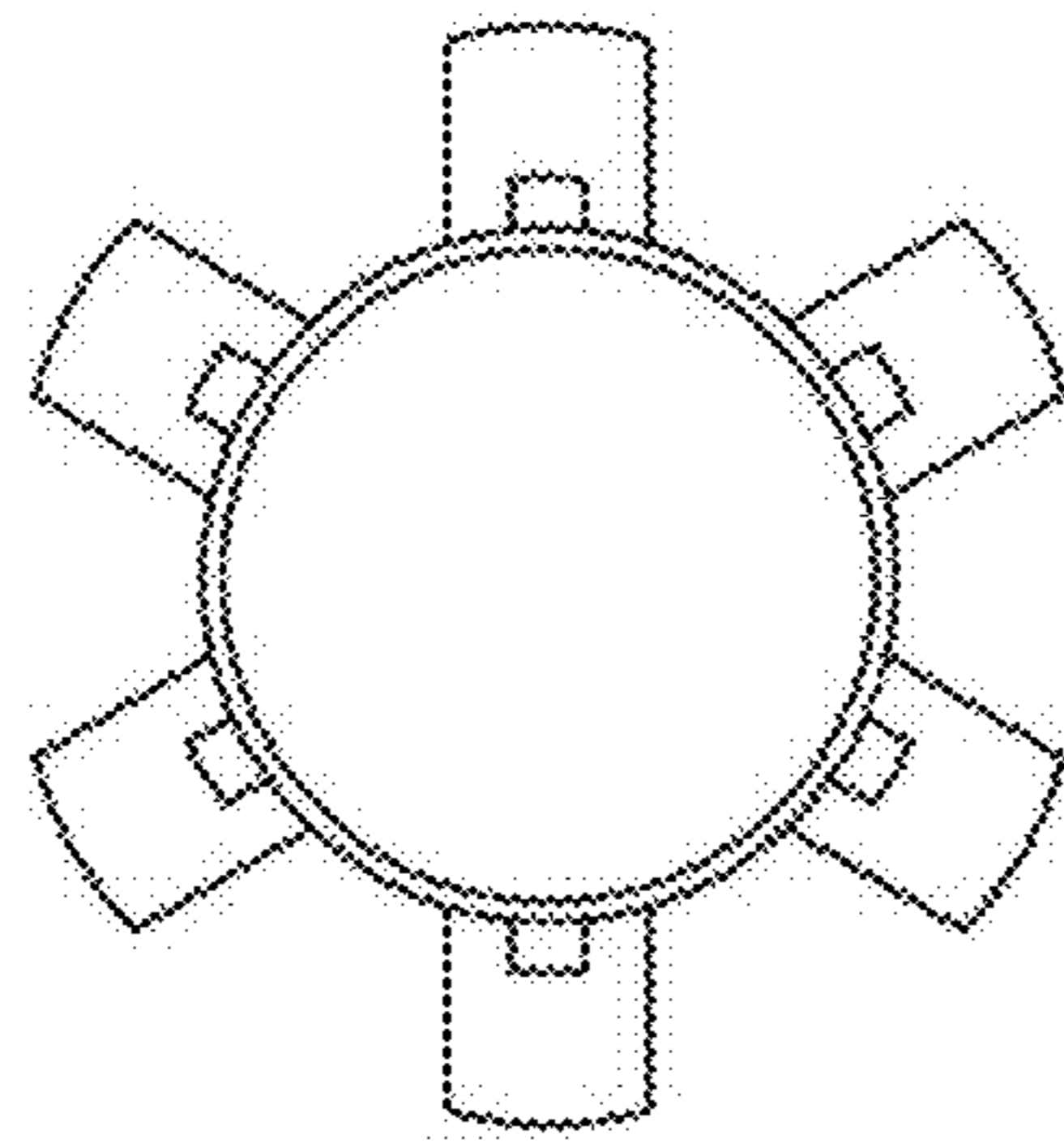


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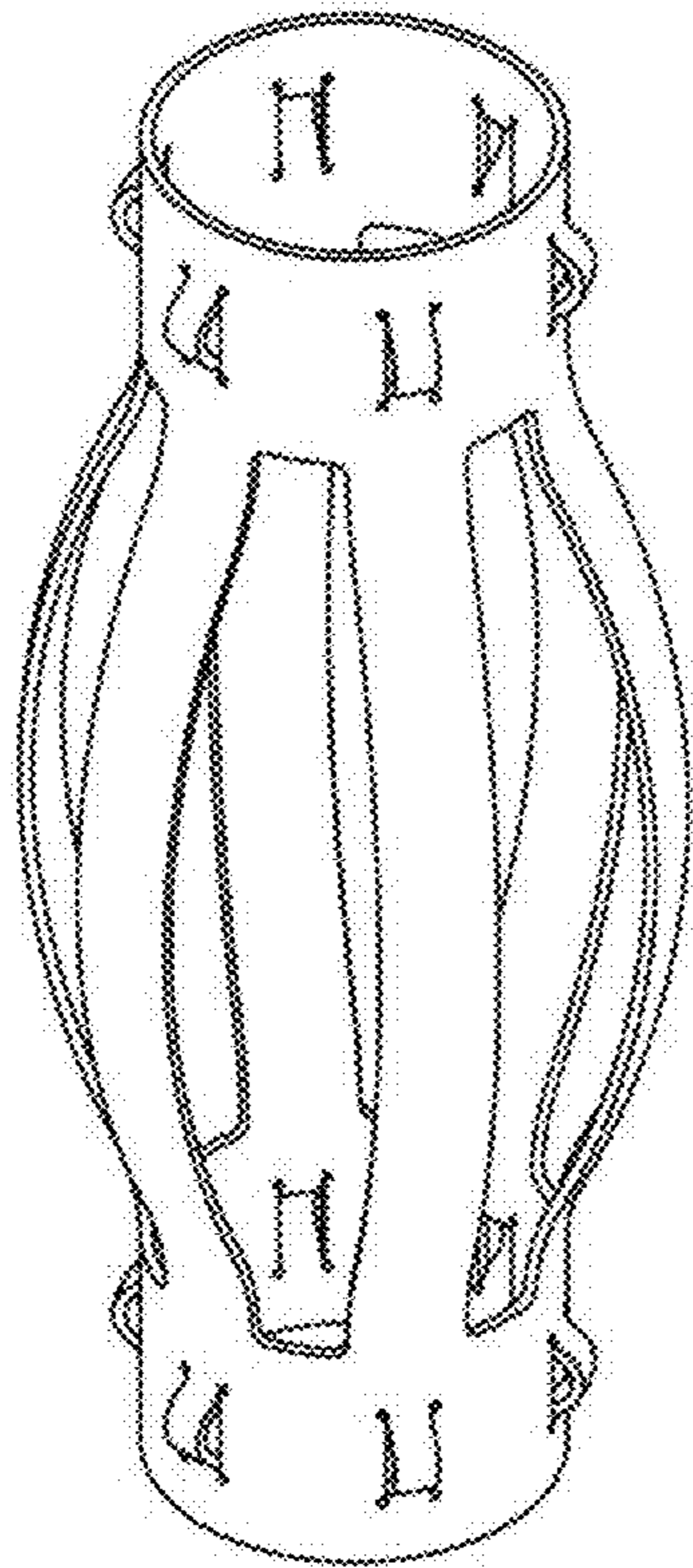


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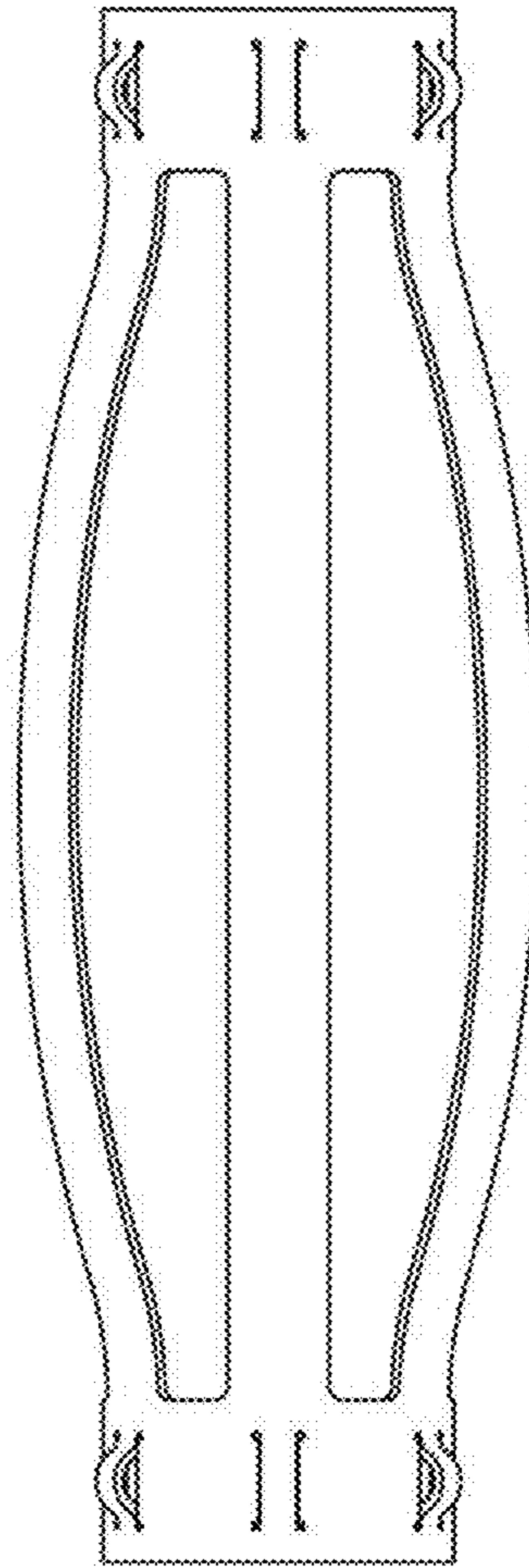


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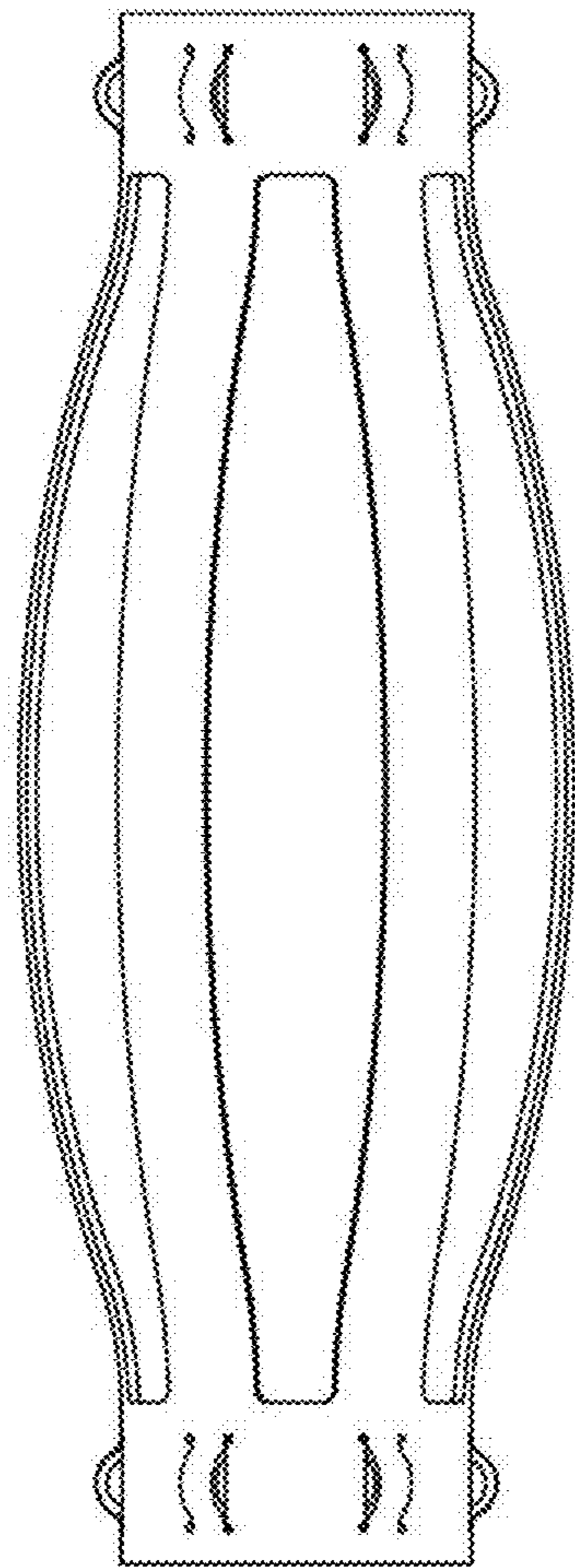


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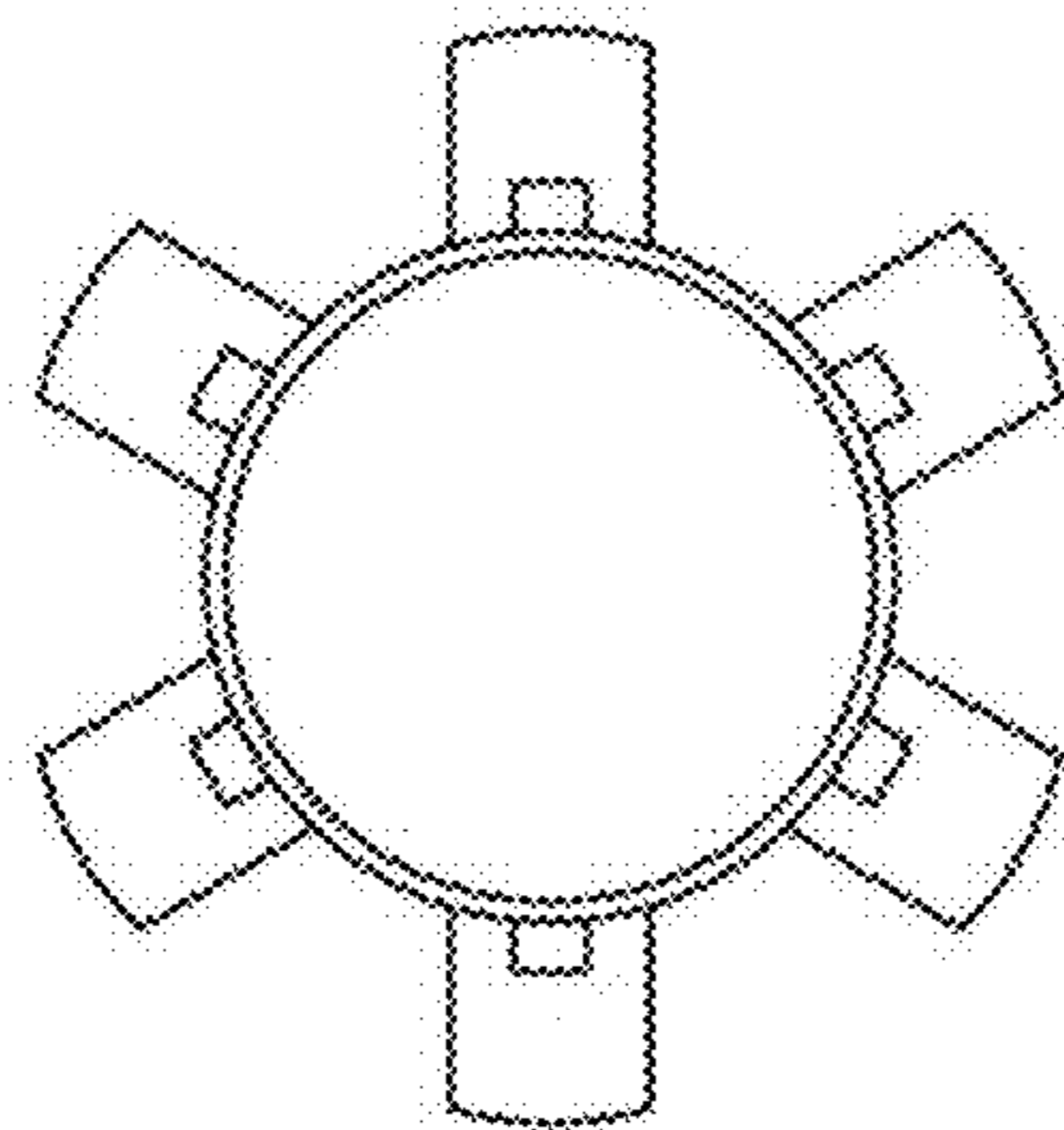


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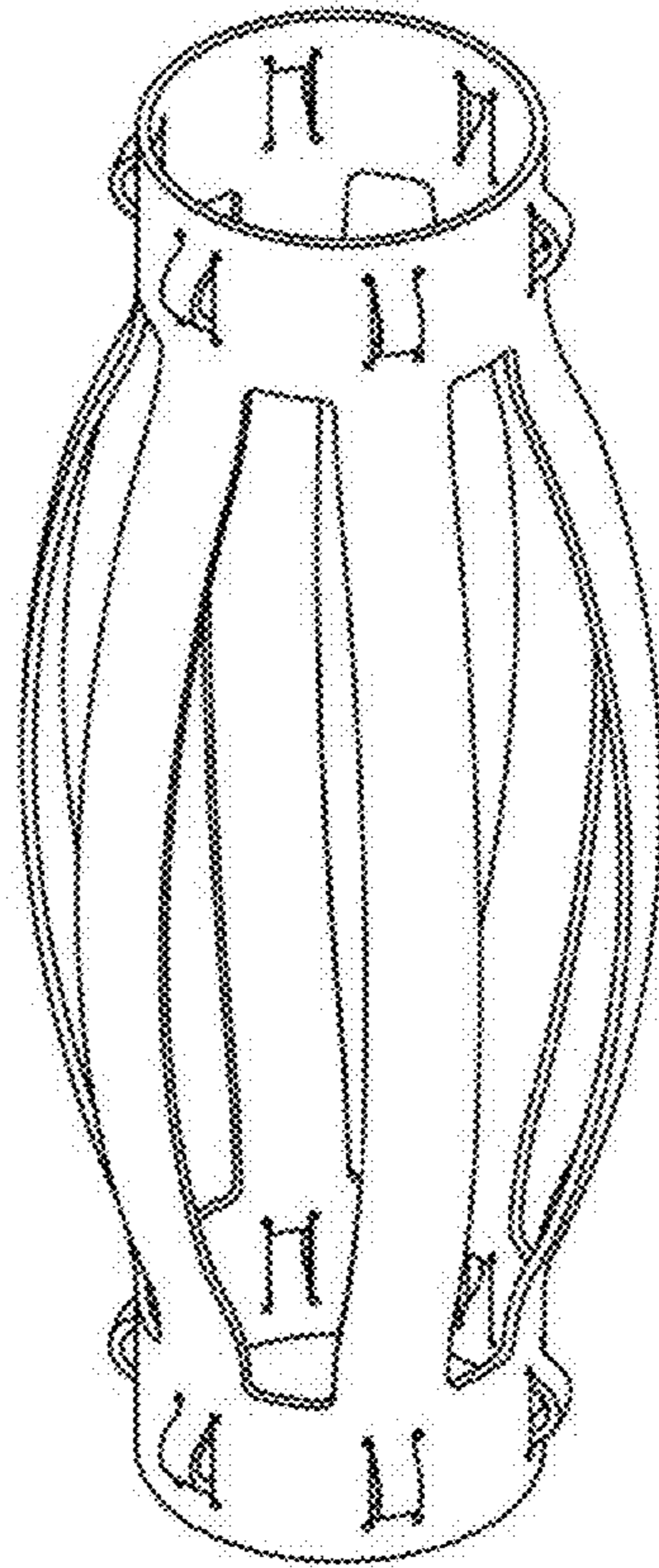


Figure 24