



US00D671960S

(12) **United States Design Patent**  
**Kirk et al.**

(10) **Patent No.:** **US D671,960 S**  
(45) **Date of Patent:** **\*\* Dec. 4, 2012**

(54) **CENTRALISER**

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(73) Assignee: **Downhole Products Limited**, Aberdeen  
(GB)

(\*\*) Term: **14 Years**

(21) Appl. No.: **29/423,094**

(22) Filed: **May 29, 2012**

**Related U.S. Application Data**

(62) Division of application No. 29/400,032, filed on Aug.  
23, 2011, now Pat. No. Des. 662,952.

(30) **Foreign Application Priority Data**

Feb. 24, 2011 (EM) ..... 001825977

(51) **LOC (9) Cl.** ..... **15-03**

(52) **U.S. Cl.** ..... **D15/21**

(58) **Field of Classification Search** ..... D15/10,  
D15/21; 166/384, 241.1-241.7, 213, 173,  
166/208, 382; 175/325.5, 325.1, 325.2, 325.3;  
138/108, 112; 228/155; 72/393  
See application file for complete search history.

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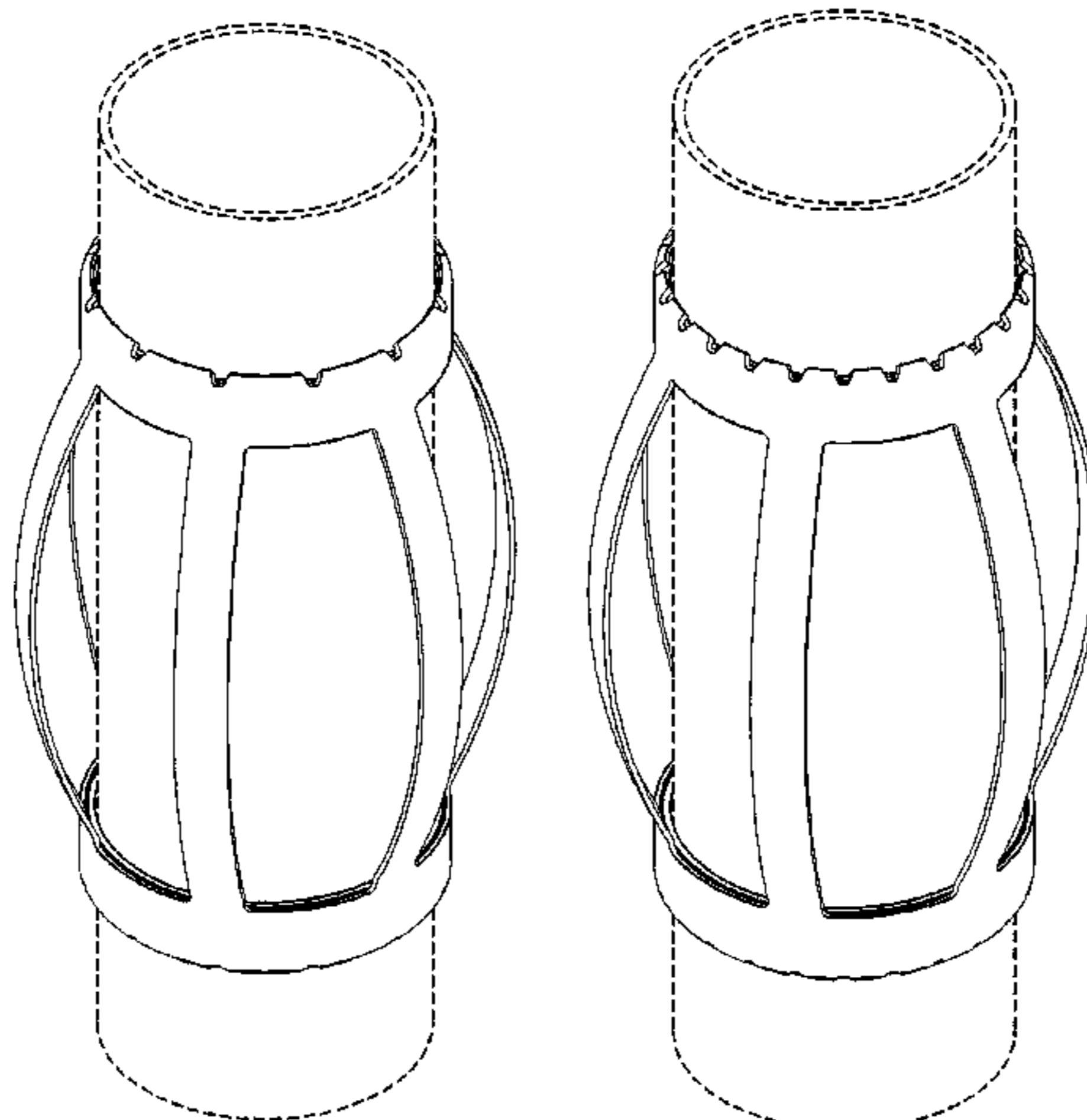
(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a front view of a first embodiment of a centraliser showing our new design;  
 FIG. 2 is a rear view thereof;  
 FIG. 3 is a left side view thereof;  
 FIG. 4 is a right side view thereof;  
 FIG. 5 is a top plan view thereof;  
 FIG. 6 is a bottom plan view thereof;  
 FIG. 7 is bottom perspective view thereof;  
 FIG. 8 is a top perspective view thereof;  
 FIG. 9 is an enlarged partial top perspective view thereof;  
 FIG. 10 is an enlarged partial bottom perspective view thereof;  
 FIG. 11 is a front view of a second embodiment of the centraliser showing our new design;  
 FIG. 12 is a rear view thereof;  
 FIG. 13 is a left side view thereof;  
 FIG. 14 is a right side view thereof;  
 FIG. 15 is a top plan view thereof;  
 FIG. 16 is a bottom plan view thereof;  
 FIG. 17 is a bottom perspective view thereof;  
 FIG. 18 is a top perspective view thereof;  
 FIG. 19 is an enlarged partial top perspective view thereof;  
 and,  
 FIG. 20 is an enlarged partial bottom perspective view thereof.  
 The broken line showing a pipe is included for the purpose of illustrating environmental structure only and the broken line showing a rectangular feature in FIGS. 9, 10, 19, and 20 represents a boundary of the enlarged portions of the claim and forms no part of the claimed design.

**1 Claim, 20 Drawing Sheets**



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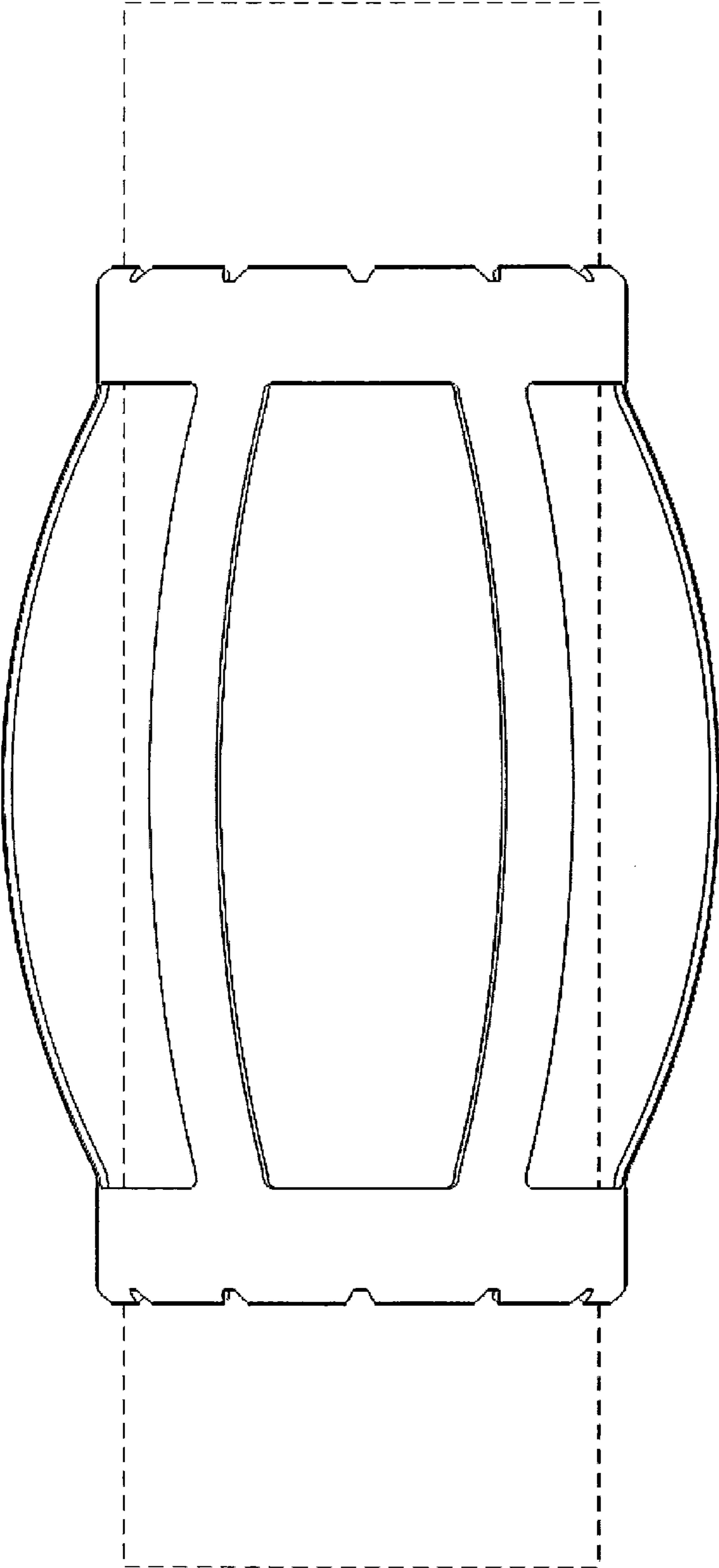


FIG. 1

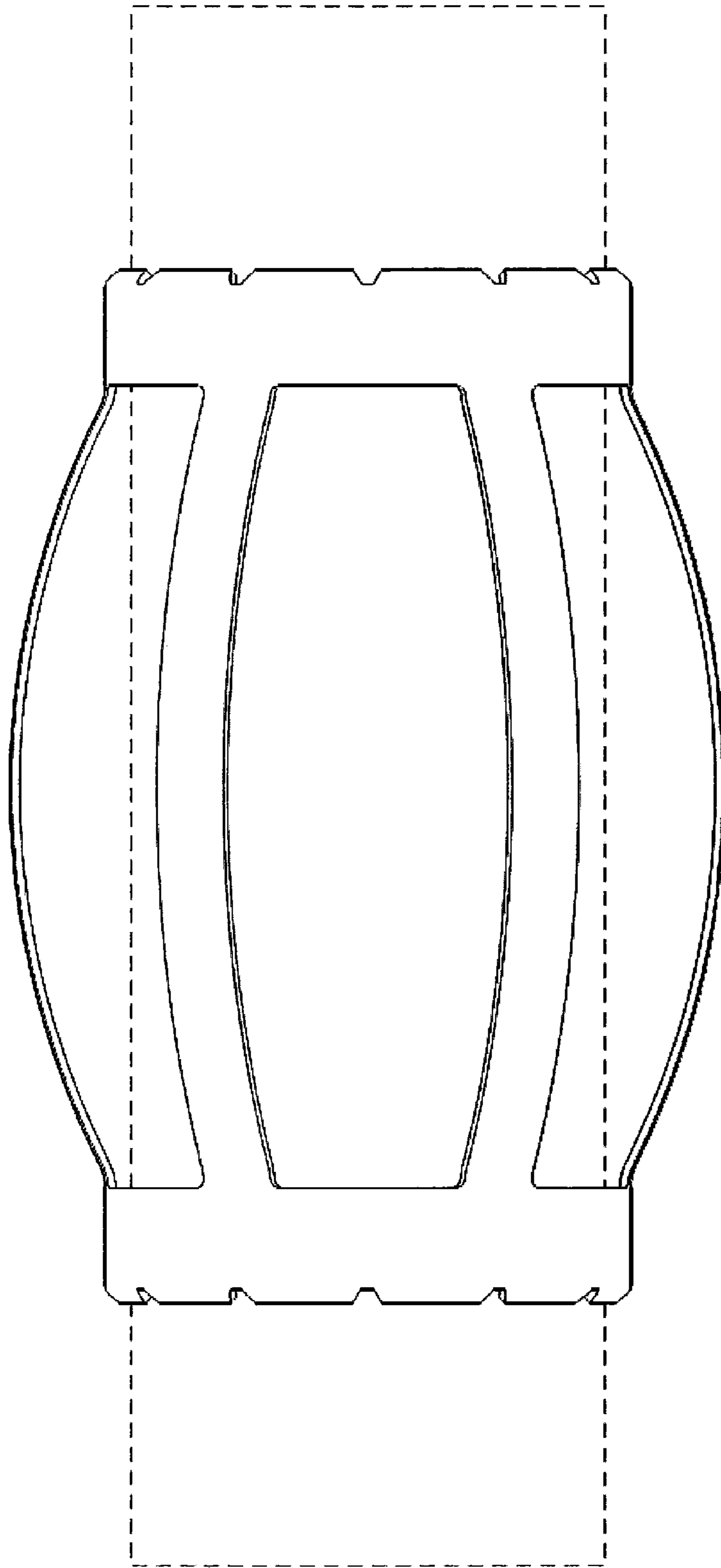


FIG. 2

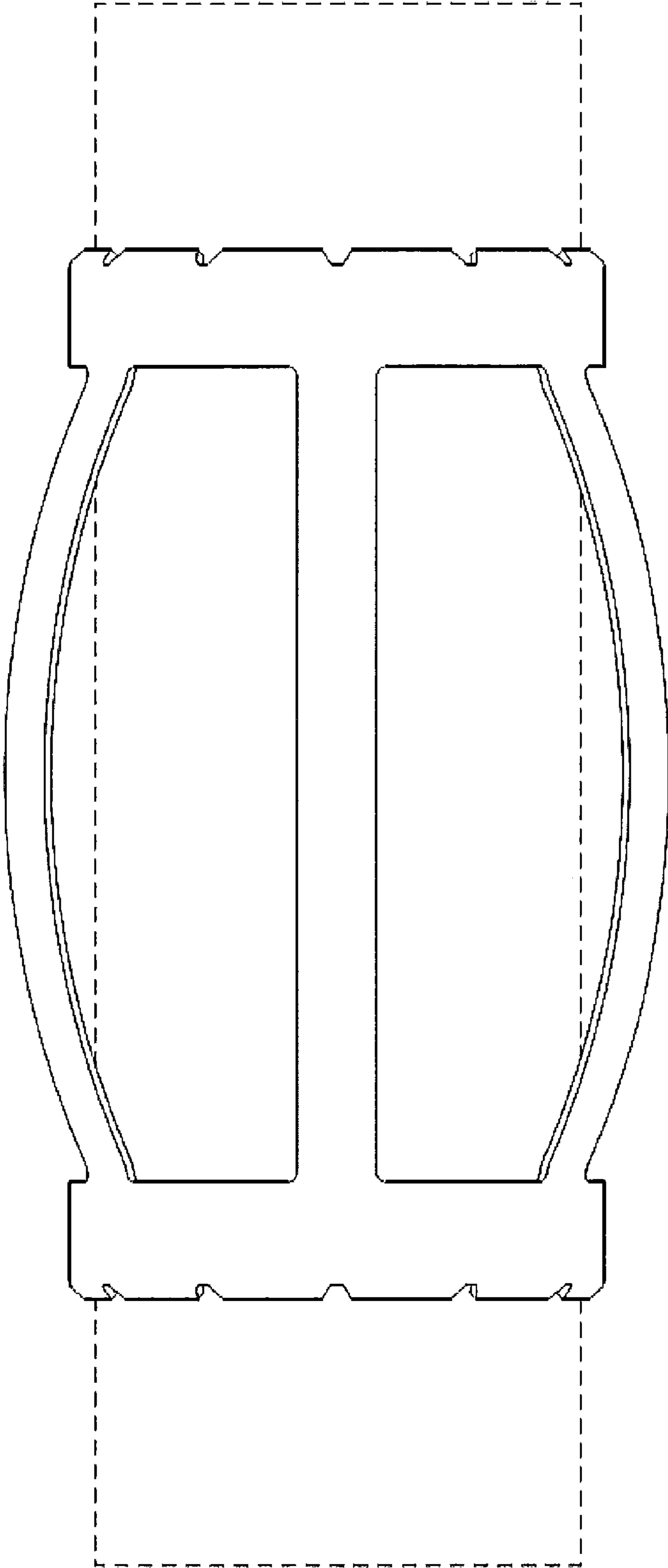


FIG. 3

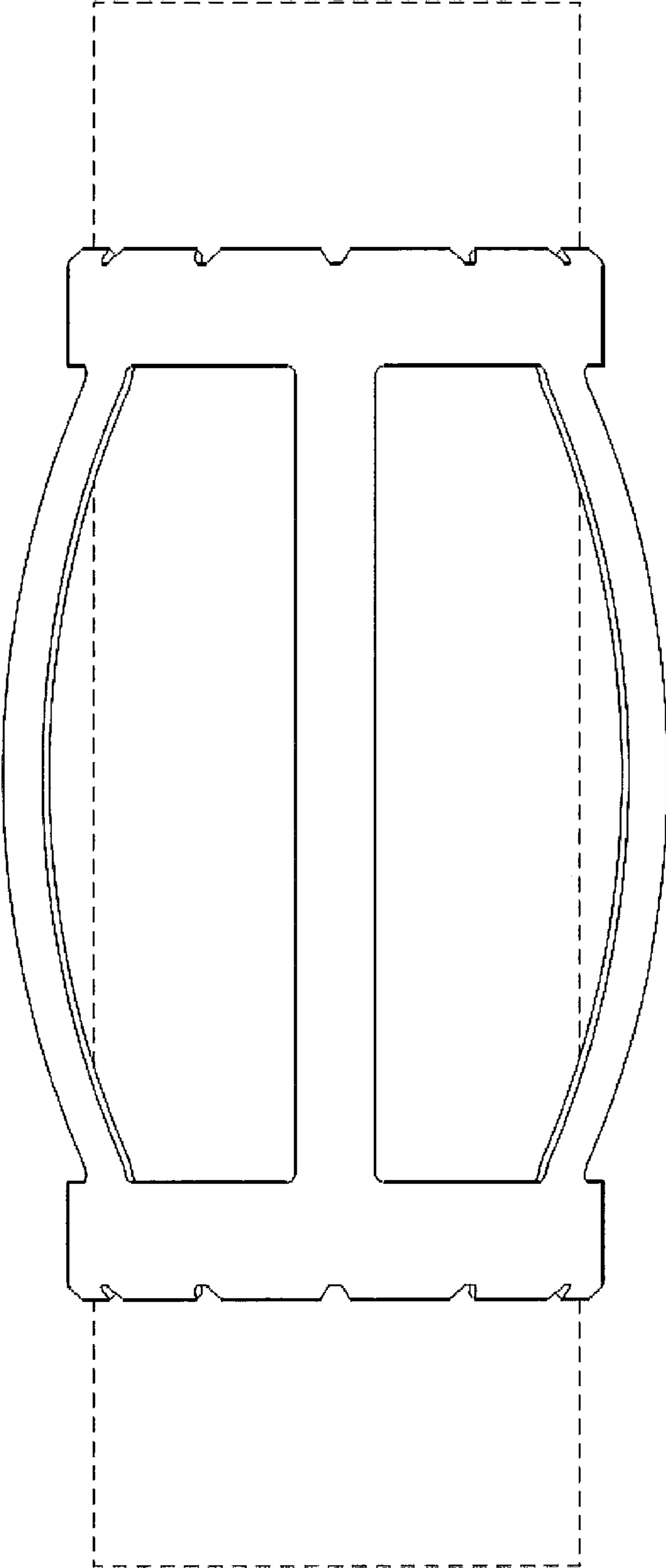


FIG. 4

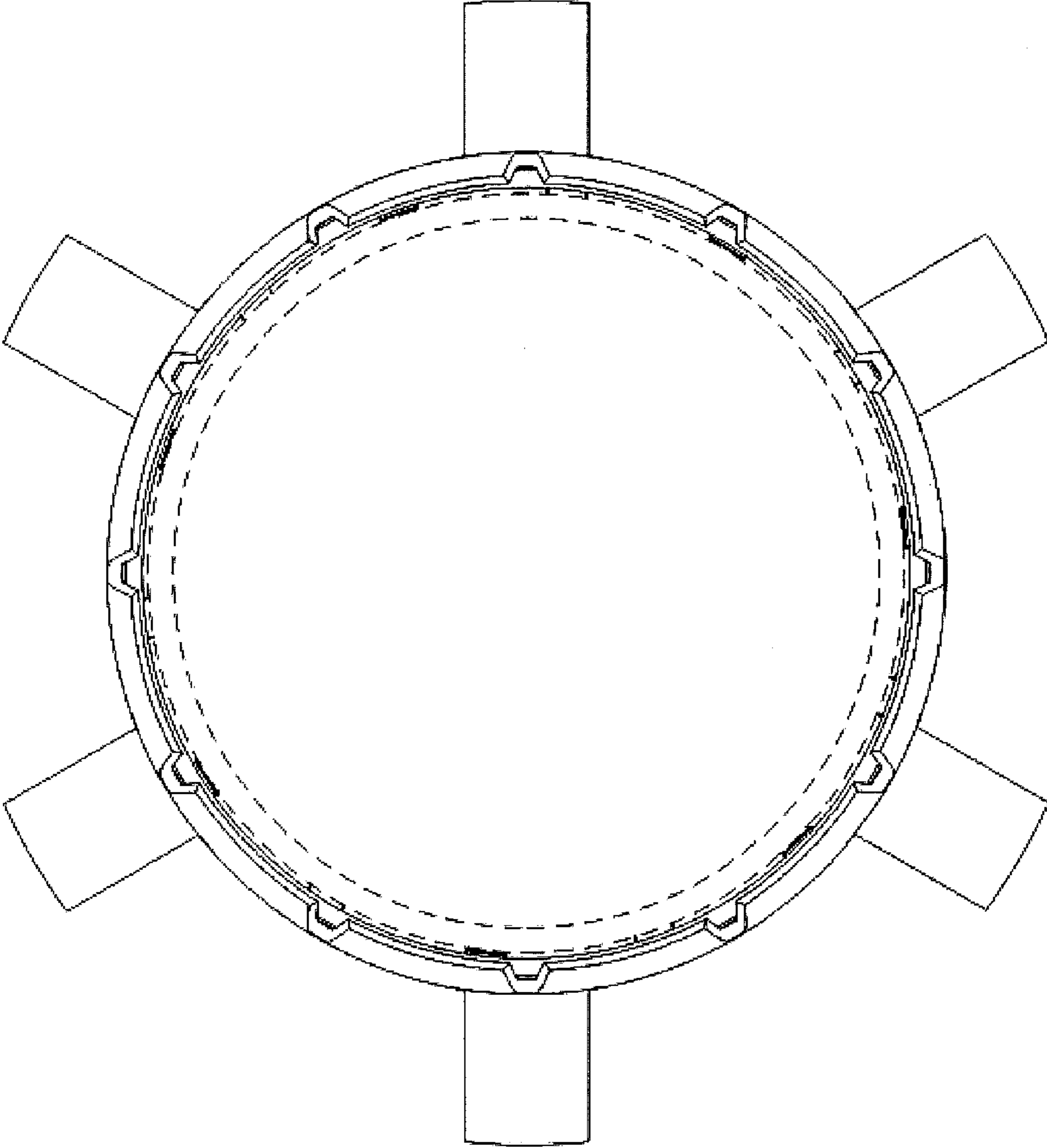


FIG. 5

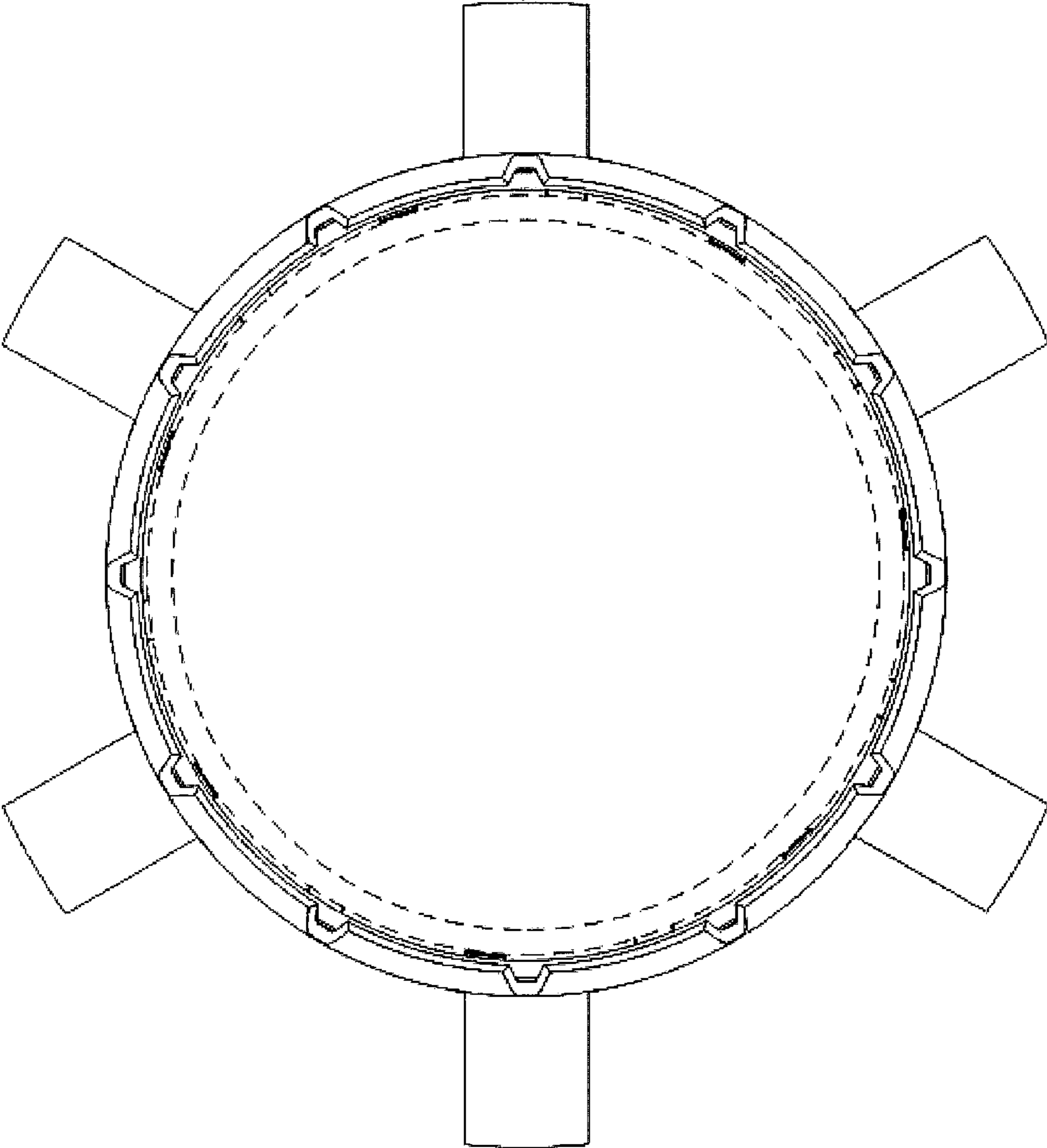


FIG. 6



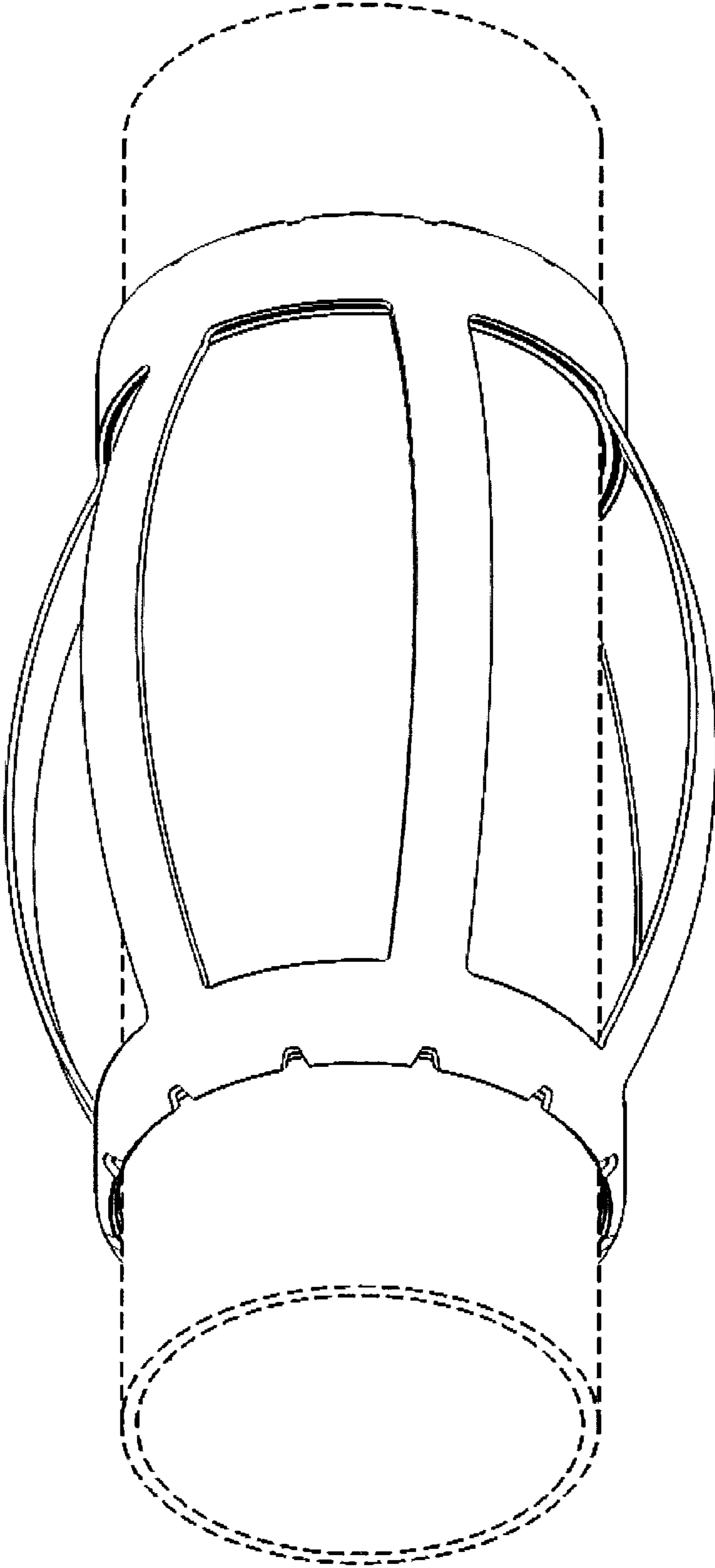


FIG. 7

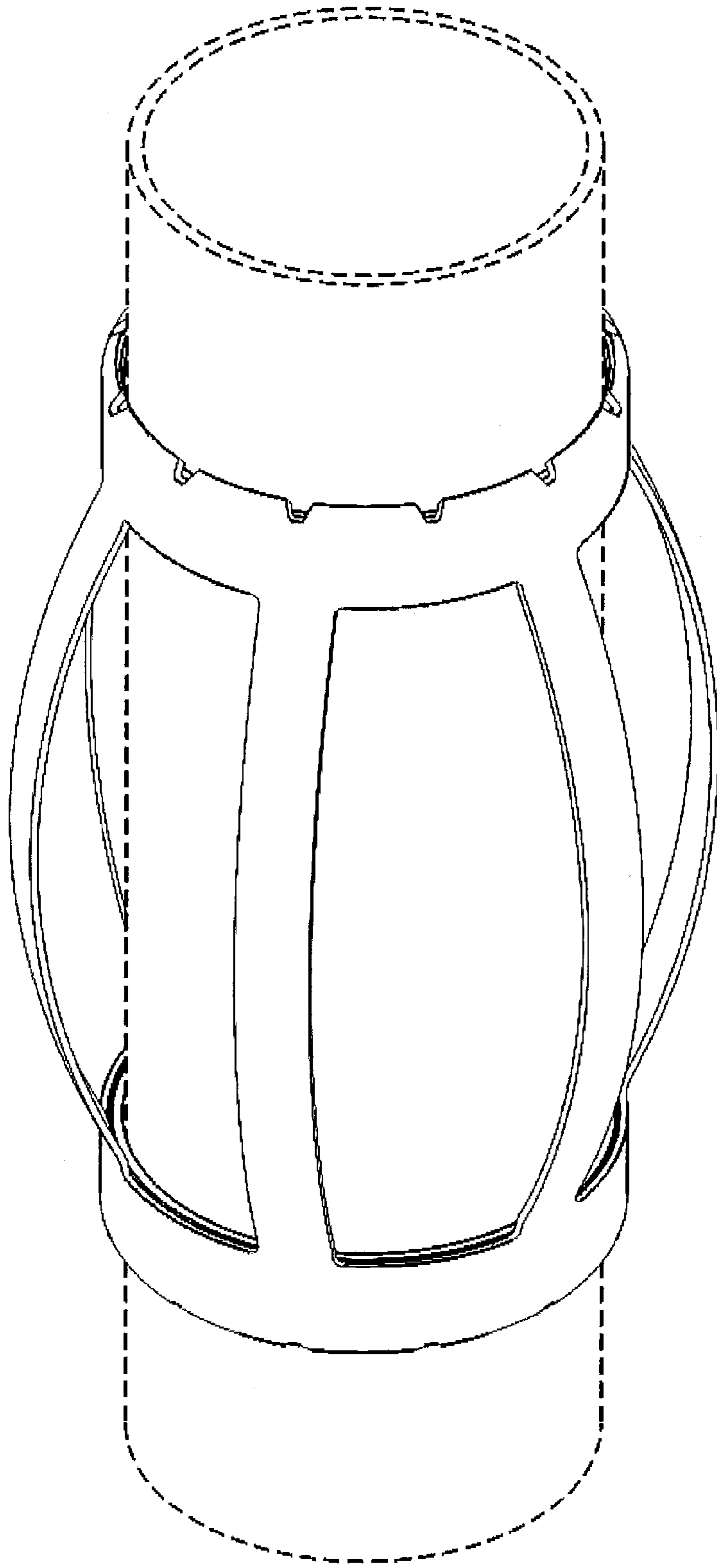


FIG. 8

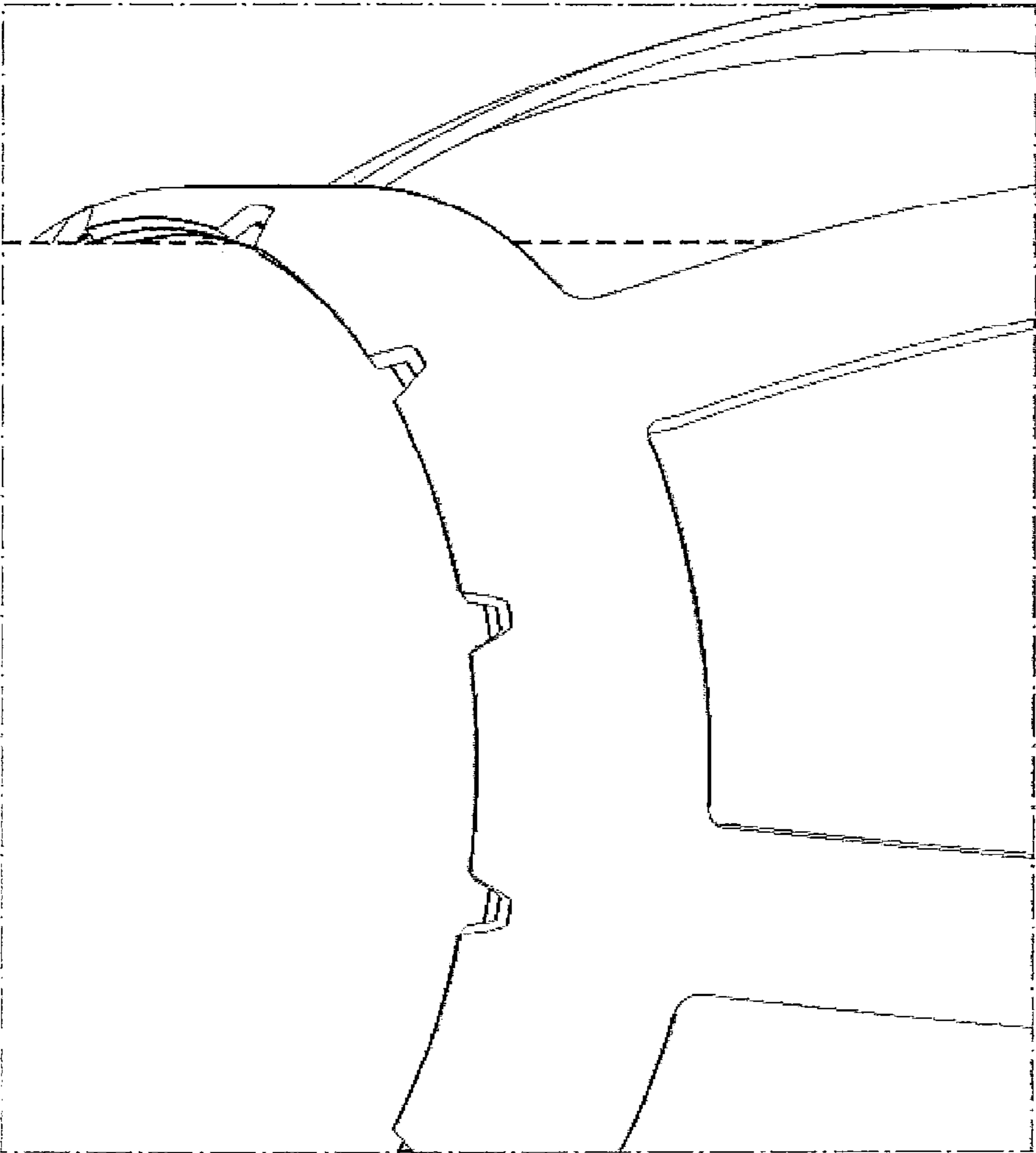


FIG. 9

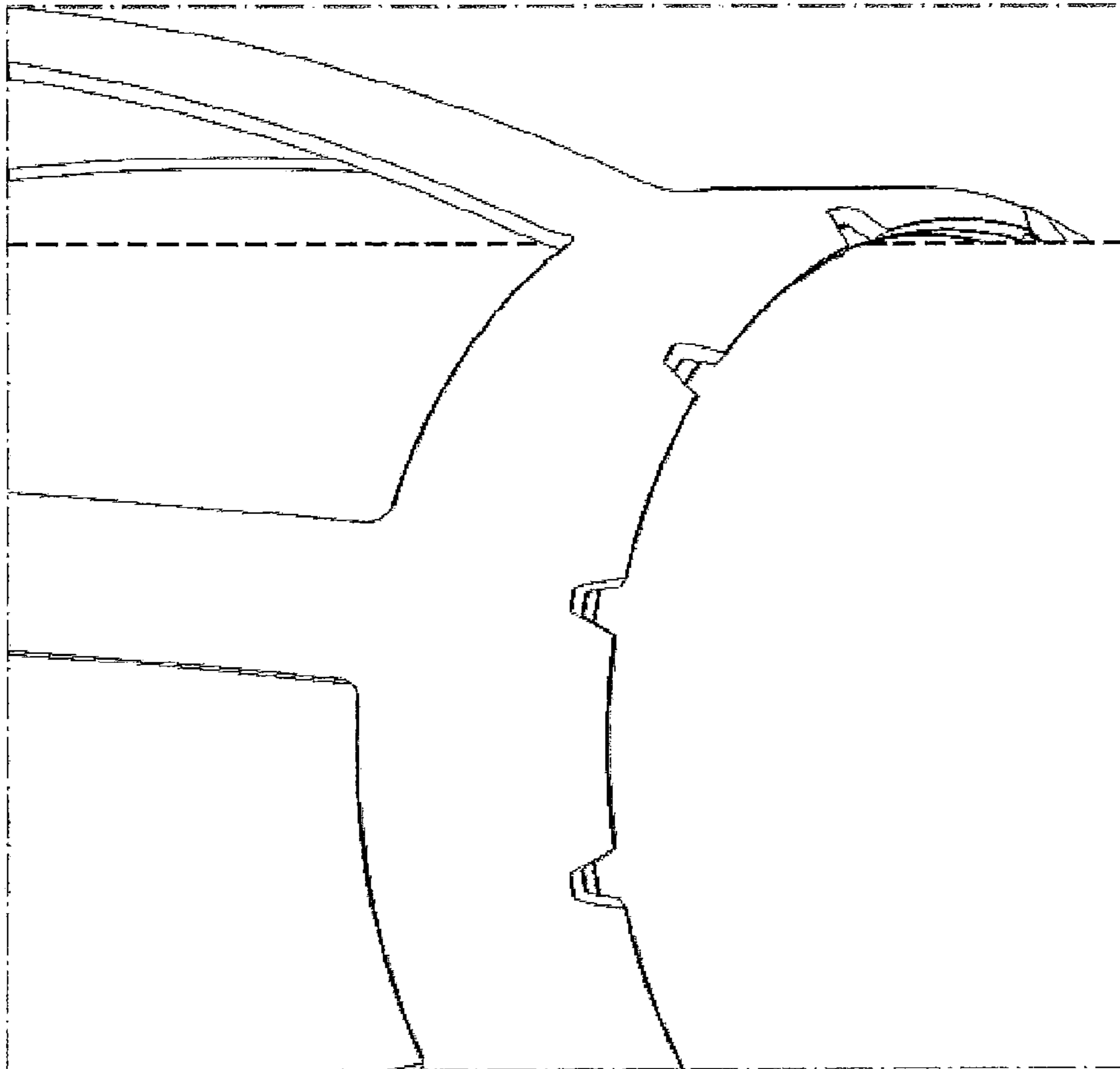


FIG. 10

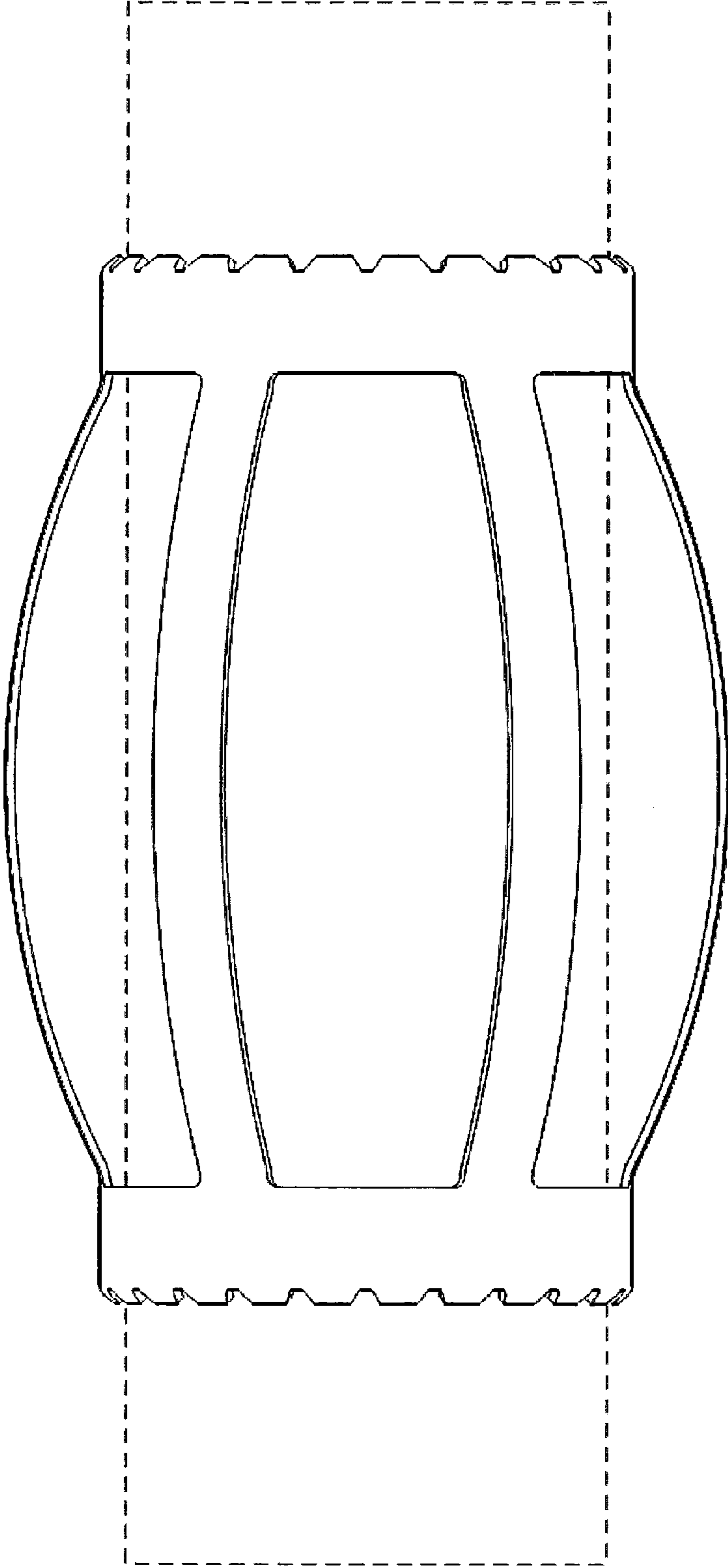


FIG. 11

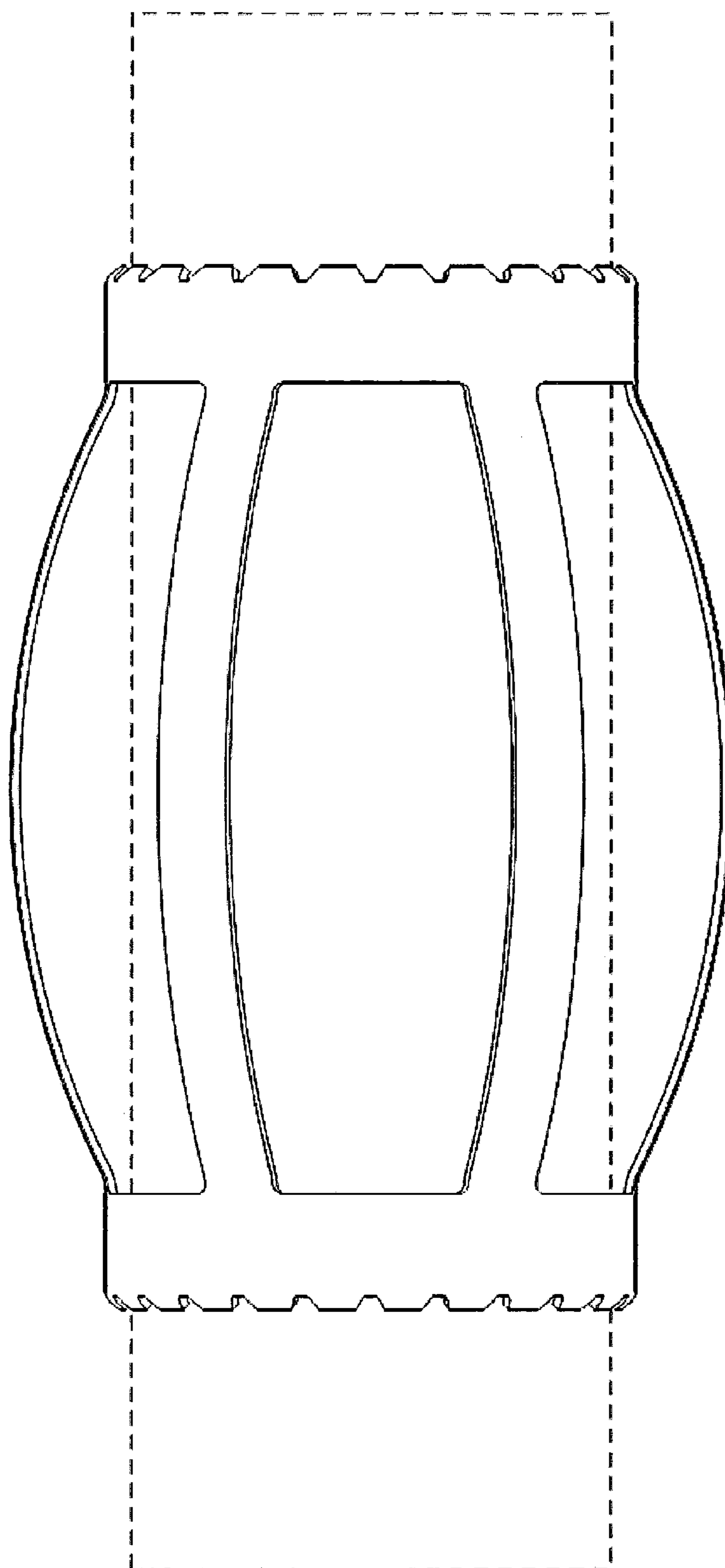


FIG. 12

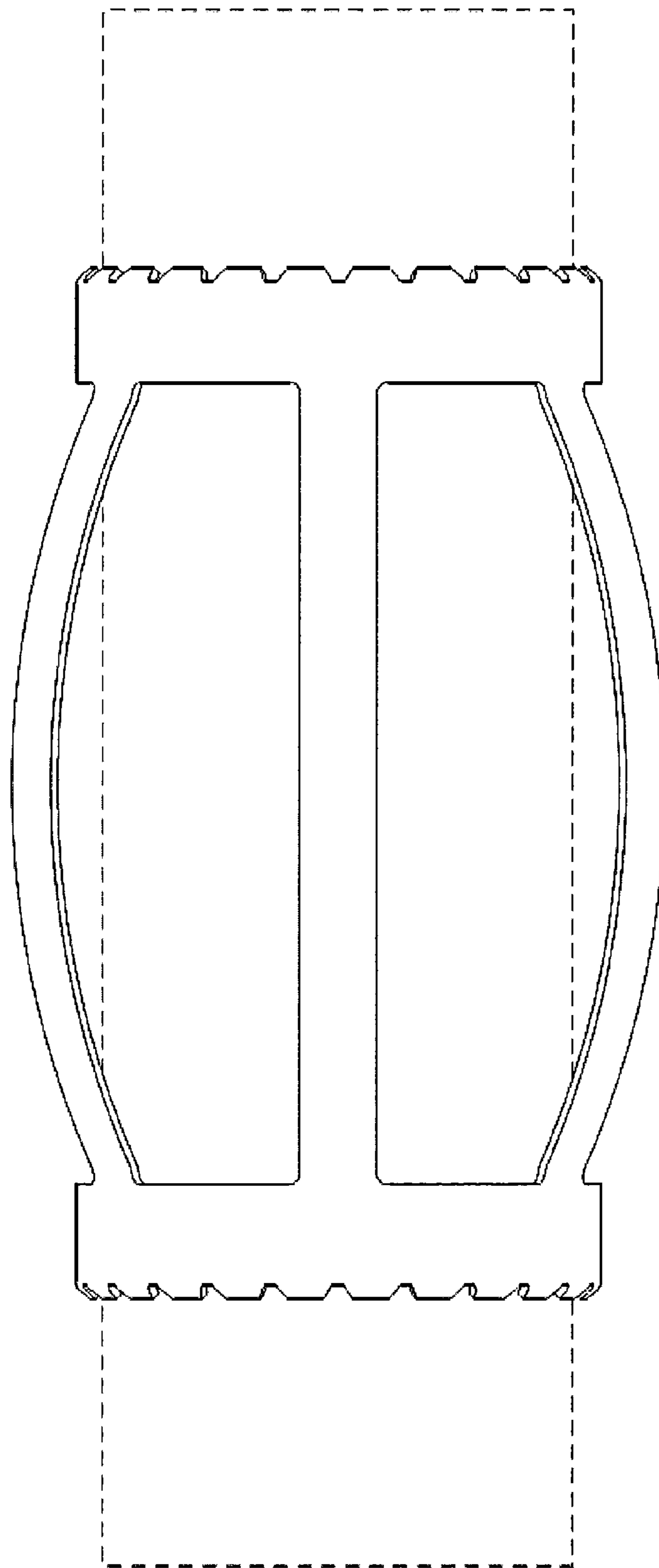


FIG. 13

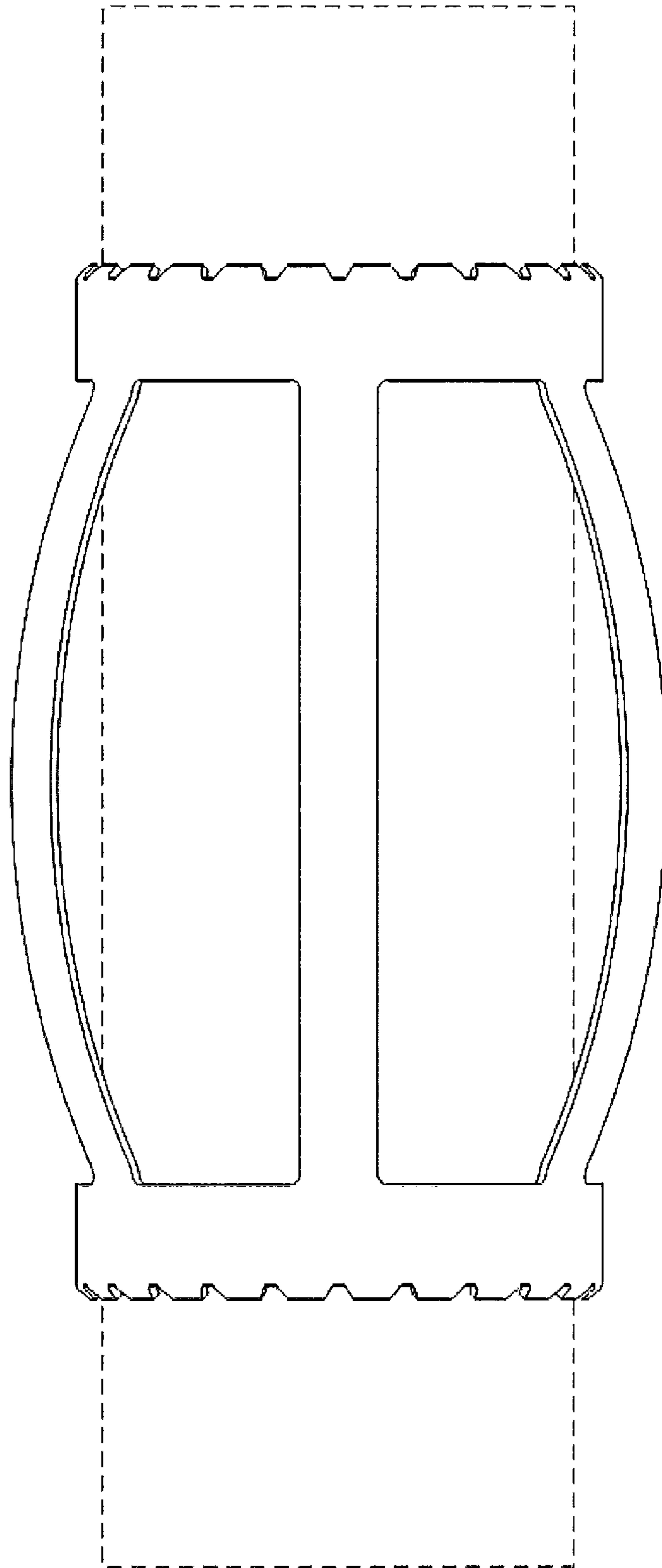


FIG. 14



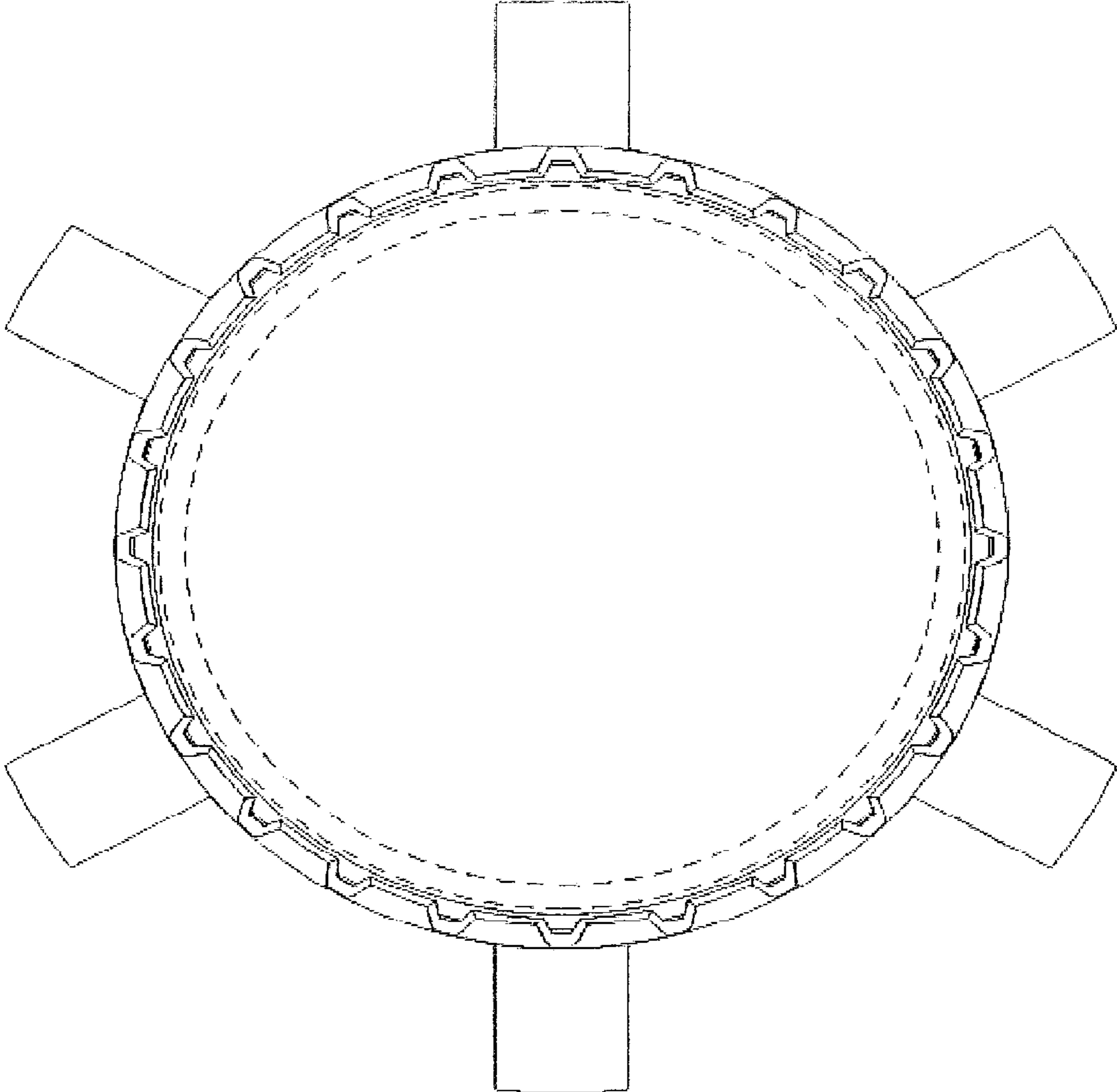


FIG. 15

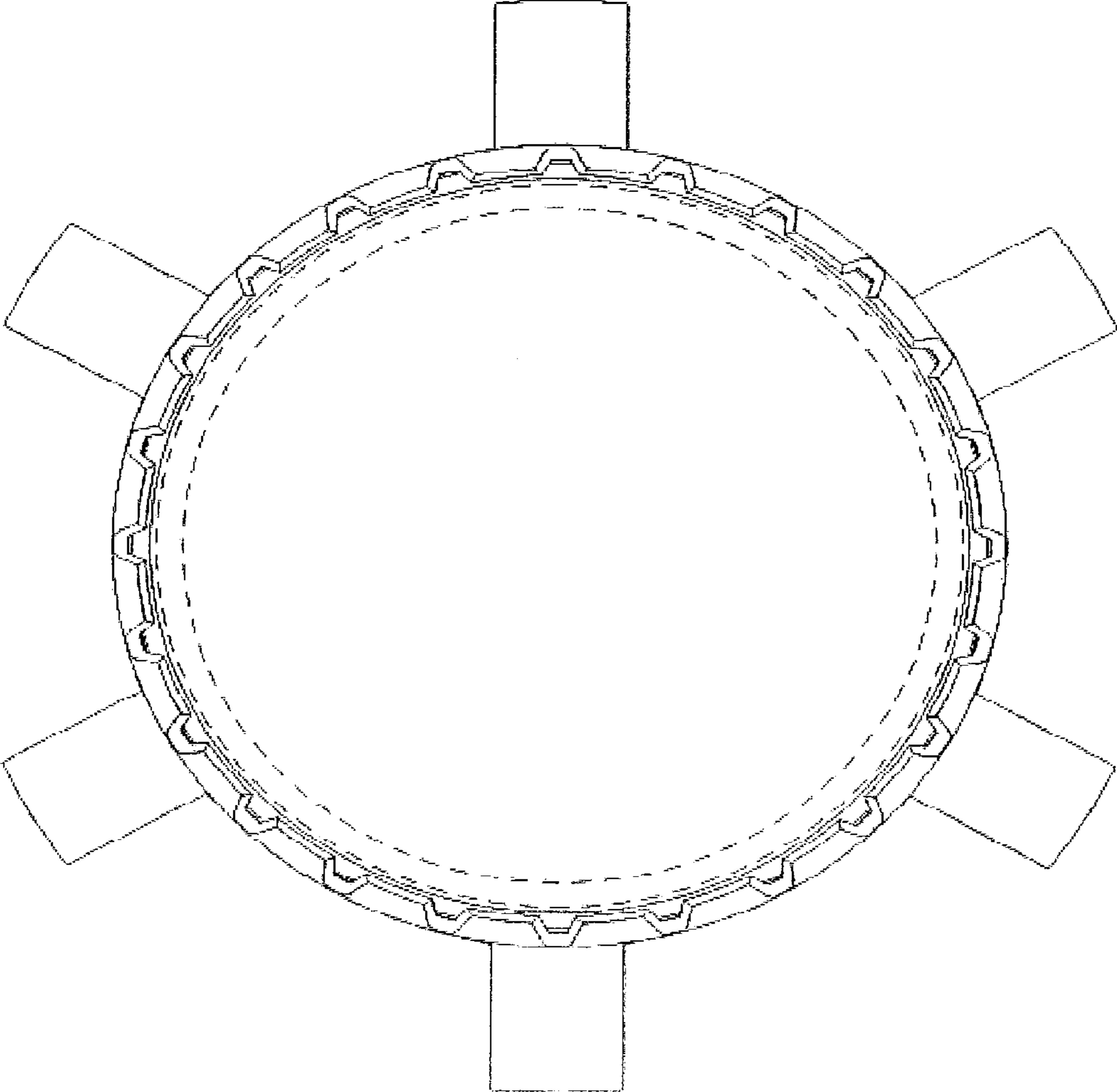


FIG. 16

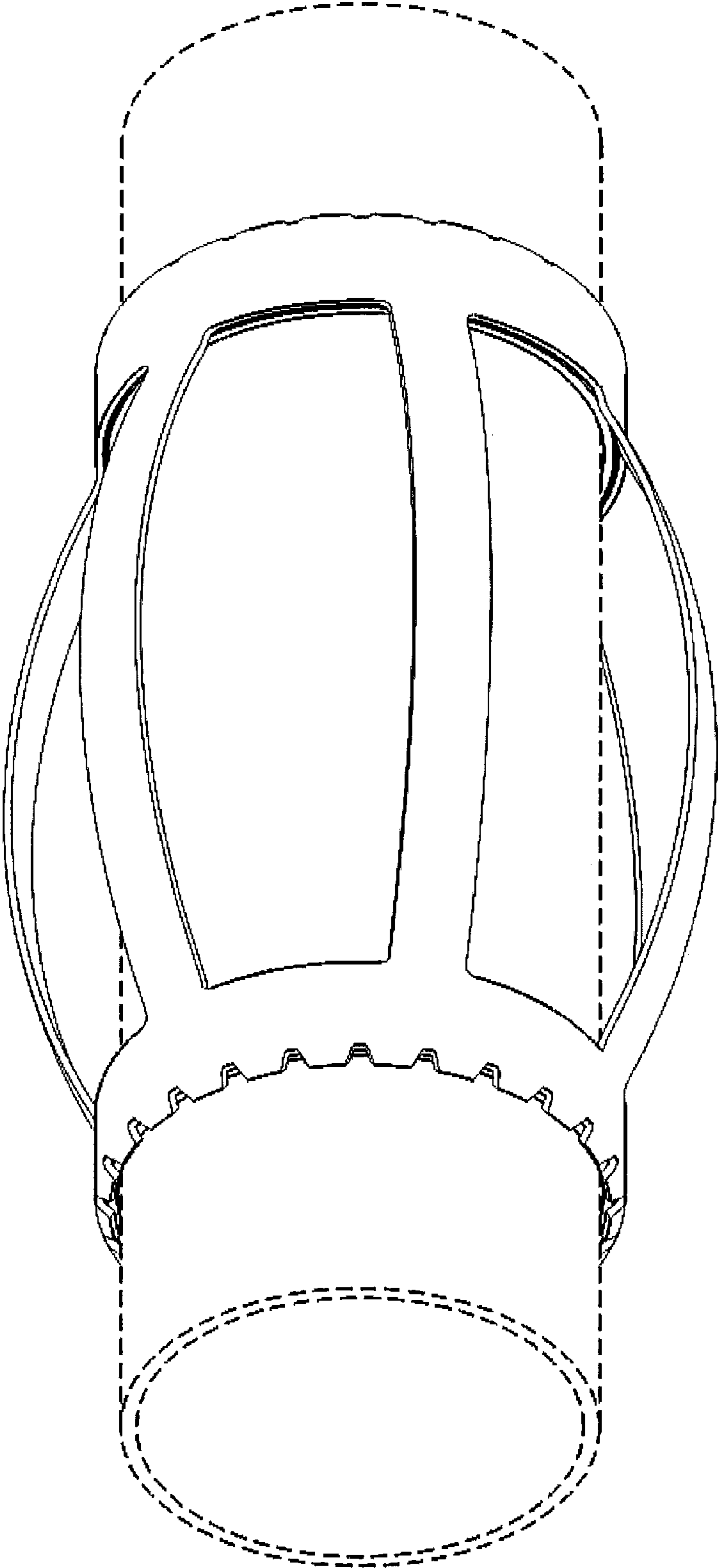


FIG. 17

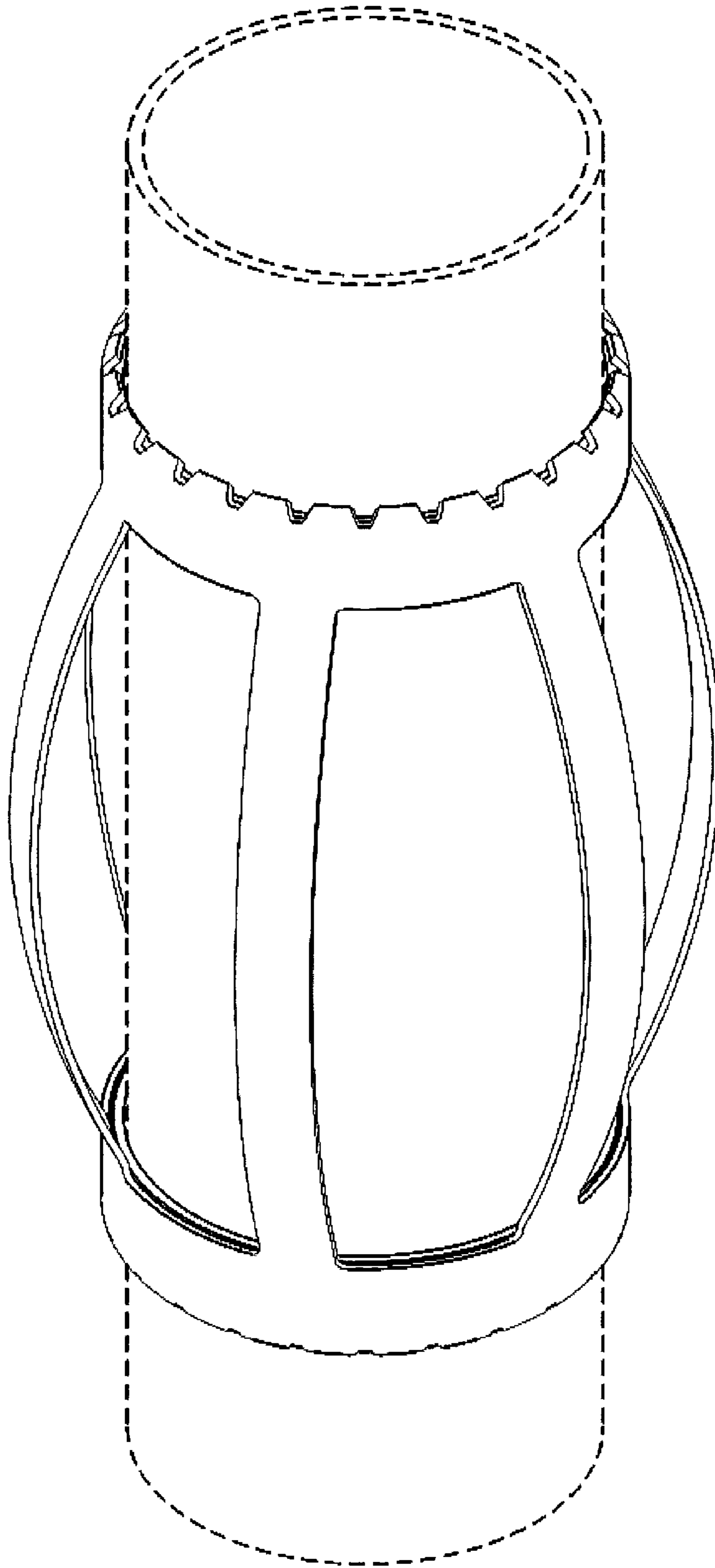


FIG. 18

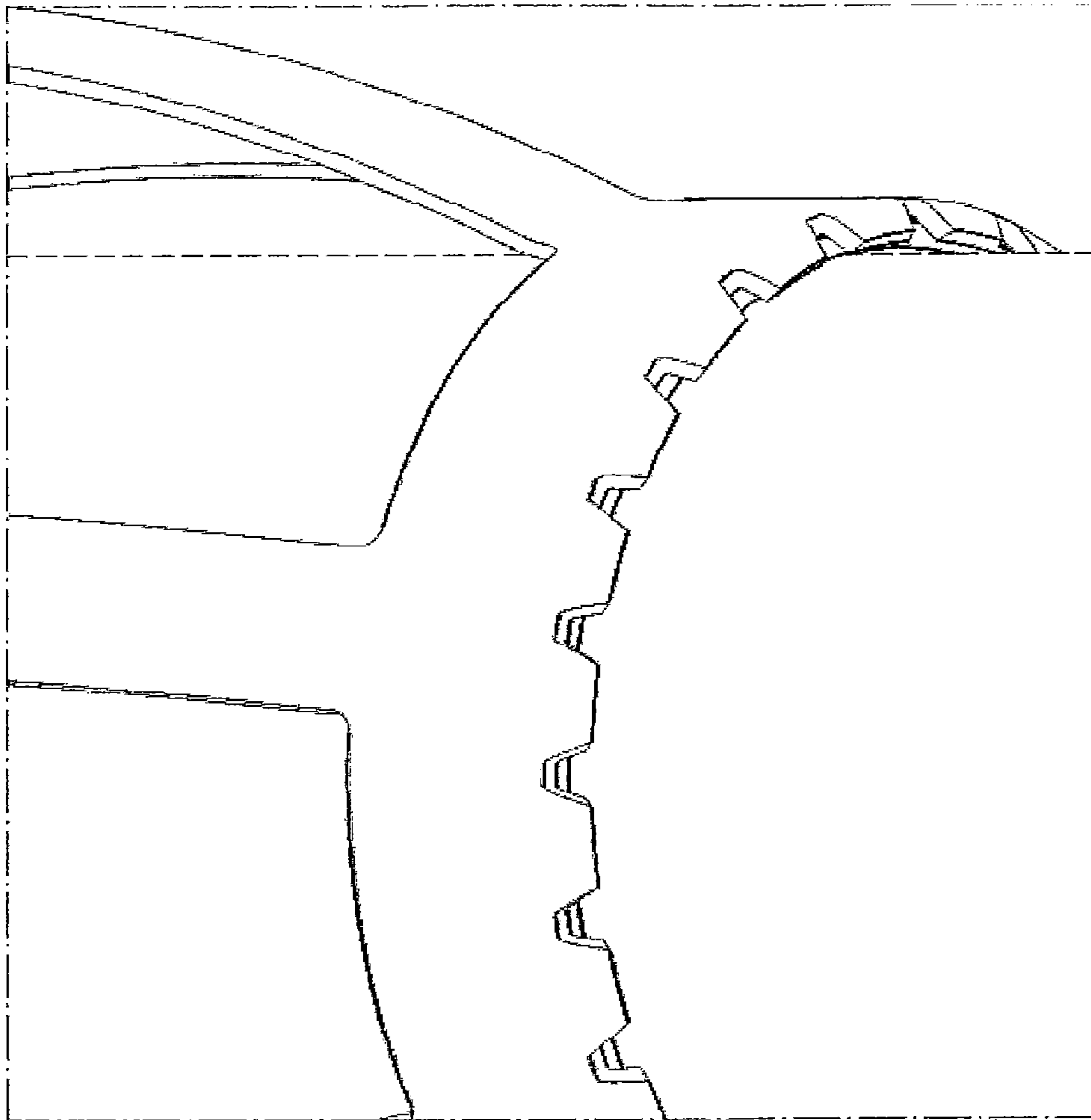


FIG. 19

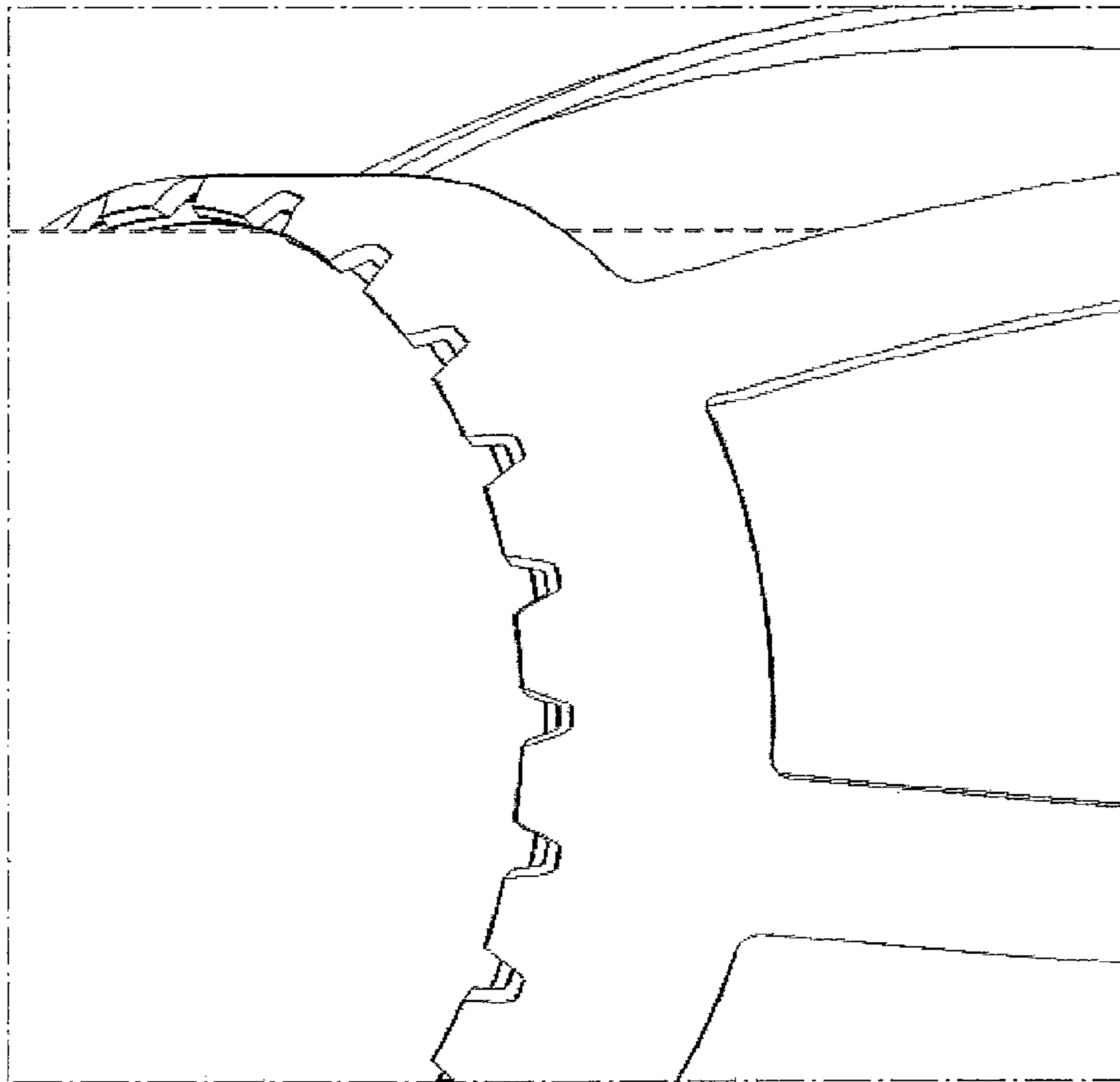


FIG. 20