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

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(45) **Date of Patent:** **\*\* Dec. 8, 2009**

(54) **ROTOR MODULE**

2006/0279148 A1\* 12/2006 Baumgartner et al. .... 310/90

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**FOREIGN PATENT DOCUMENTS**

(73) Assignee: **Outotec Oyj**, Espoo (FI)

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

\* cited by examiner

(21) Appl. No.: **29/286,816**

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*Assistant Examiner*—Patricia Palasik

(22) Filed: **May 18, 2007**

(74) *Attorney, Agent, or Firm*—Merchant & Gould P.C.

(30) **Foreign Application Priority Data**

(57) **CLAIM**

Nov. 22, 2006 (EM) ..... 000630249

The ornamental design for a rotor module, as shown and described.

(51) **LOC (9) Cl.** ..... **15-09**

(52) **U.S. Cl.** ..... **D15/143**

(58) **Field of Classification Search** ..... D15/122,  
D15/147–149, 199; 165/4, 8, 10; 209/164,  
209/169, 187; 210/219, 221.1, 703; 261/87  
See application file for complete search history.

**DESCRIPTION**

FIG. 1 is a front elevational view of a rotor module.

FIG. 2 is a cross sectional view taken along line 2—2 of FIG. 1.

FIG. 3 is a rear elevational view of FIG. 1.

FIG. 4 is a right side view of FIG. 1, it being understood that the left side is a mirror image.

FIG. 5 is a bottom plan view of FIG. 1.

FIG. 6 is a top plan view of FIG. 1.

FIG. 7 is rear perspective of a rotor module of FIG. 1 with three other similar rotor modules drawn with broken lines, all four rotor modules forming together a rotor.

FIG. 8 is a front elevational view of a second embodiment of a rotor module.

FIG. 9 is a cross sectional view taken along line 9—9 of FIG. 8.

FIG. 10 is a rear elevational view of FIG. 8.

FIG. 11 is a right side view of FIG. 8, it being understood that the left side is a mirror image.

FIG. 12 is a bottom plan view of FIG. 8.

FIG. 13 is a top plan view of FIG. 8.

FIG. 14 is rear perspective of a rotor module of FIG. 8 with four other similar rotor modules drawn with broken lines, all five rotor modules forming together a rotor.

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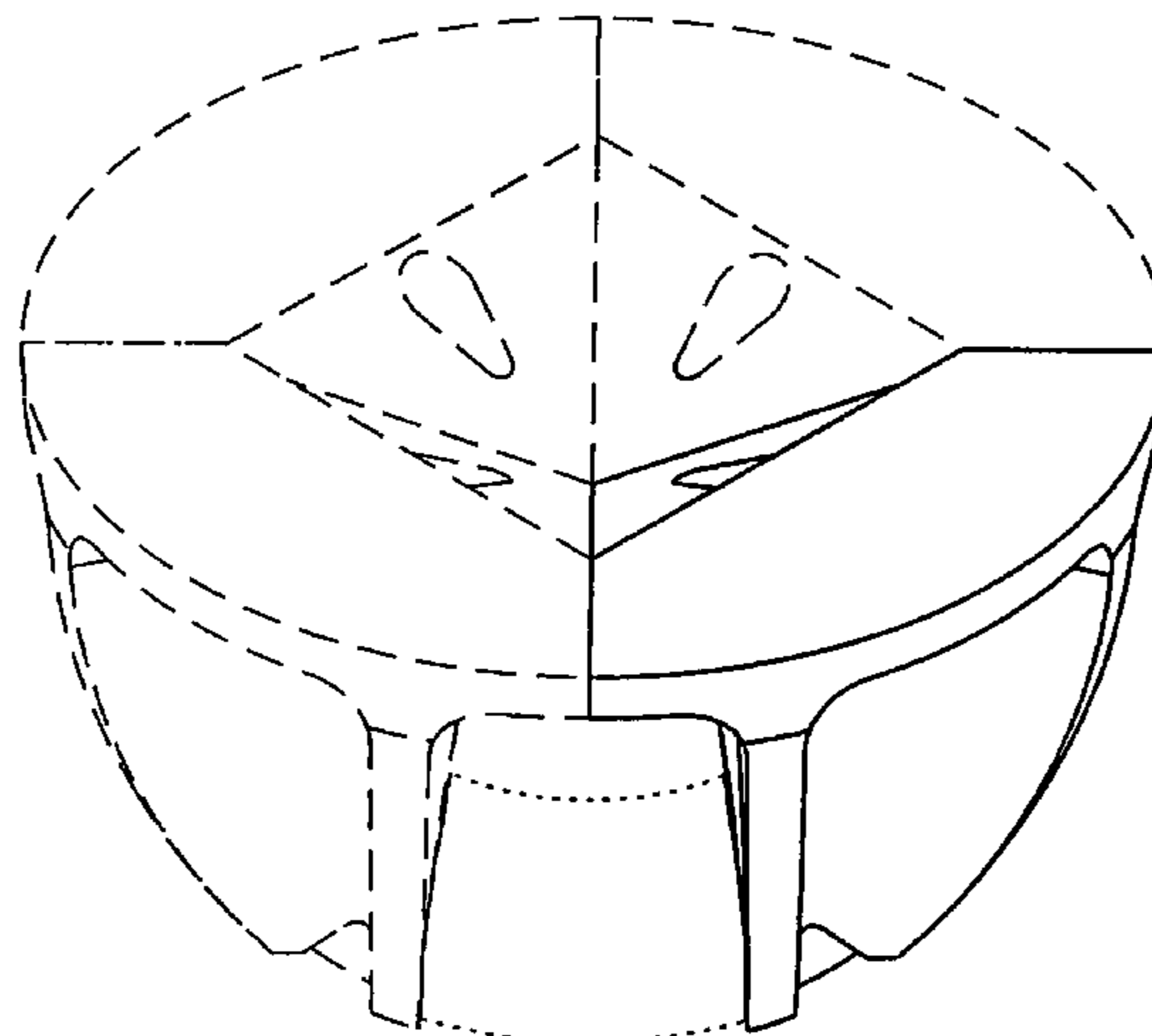


FIG. 15 is a front elevational view of a third embodiment of a rotor module.

FIG. 16 is a cross sectional view taken along line 16—16 of FIG. 15.

FIG. 17 is a rear elevational view of FIG. 15.

FIG. 18 is a right side view of FIG. 15, it being understood that the left side is a mirror image.

FIG. 19 is a bottom plan view of FIG. 15.

FIG. 20 is a top plan view of FIG. 15.

FIG. 21 is rear perspective of a rotor module of FIG. 15 with five other similar rotor modules drawn with broken lines, all six rotor modules forming together a rotor.

FIG. 22 is a front elevational view of a fourth embodiment of a rotor module.

FIG. 23 is a cross sectional view taken along line 23—23 of FIG. 22.

FIG. 24 is a rear elevational view of FIG. 22.

FIG. 25 is a right side view of FIG. 22, it being understood that the left side is a mirror image.

FIG. 26 is a bottom plan view of FIG. 22.

FIG. 27 is a top plan view of FIG. 22; and,

FIG. 28 is rear perspective of a rotor module of FIG. 22 with seven other similar rotor modules drawn with broken lines, all eight rotor modules forming together a rotor.

The broken lines show environment and do not form a part of the claimed design.

**1 Claim, 16 Drawing Sheets**

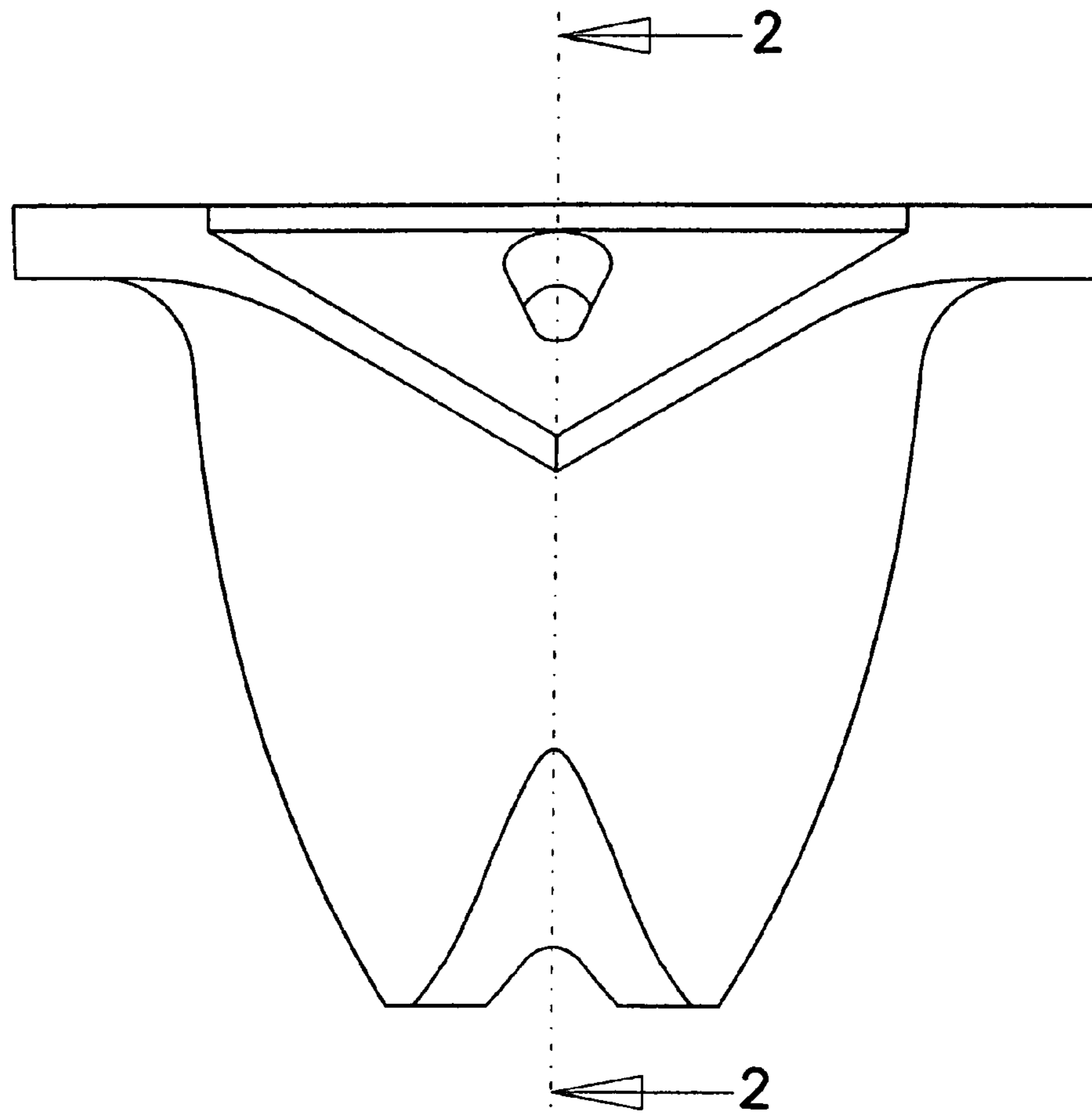


FIG. 1

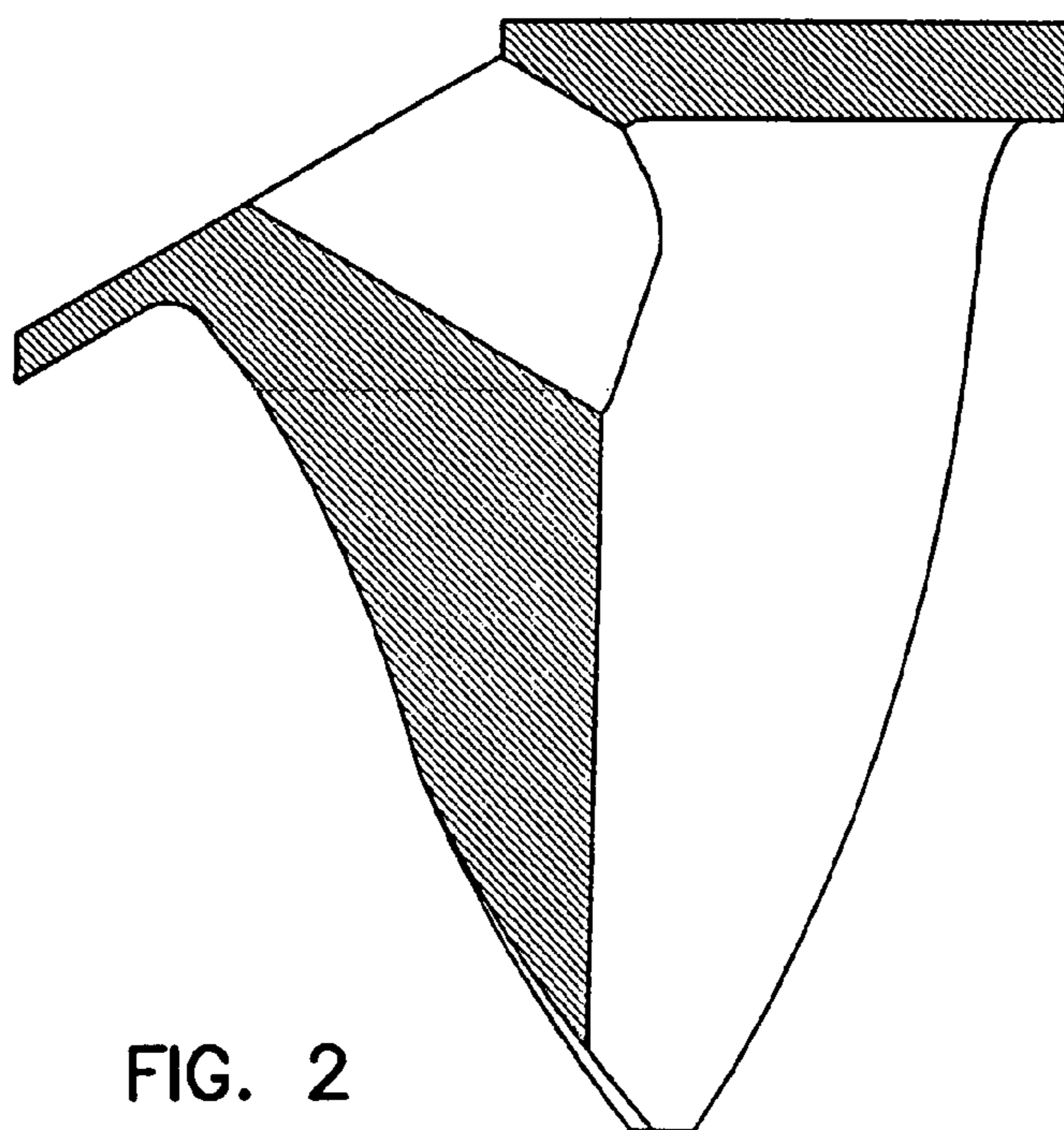


FIG. 2

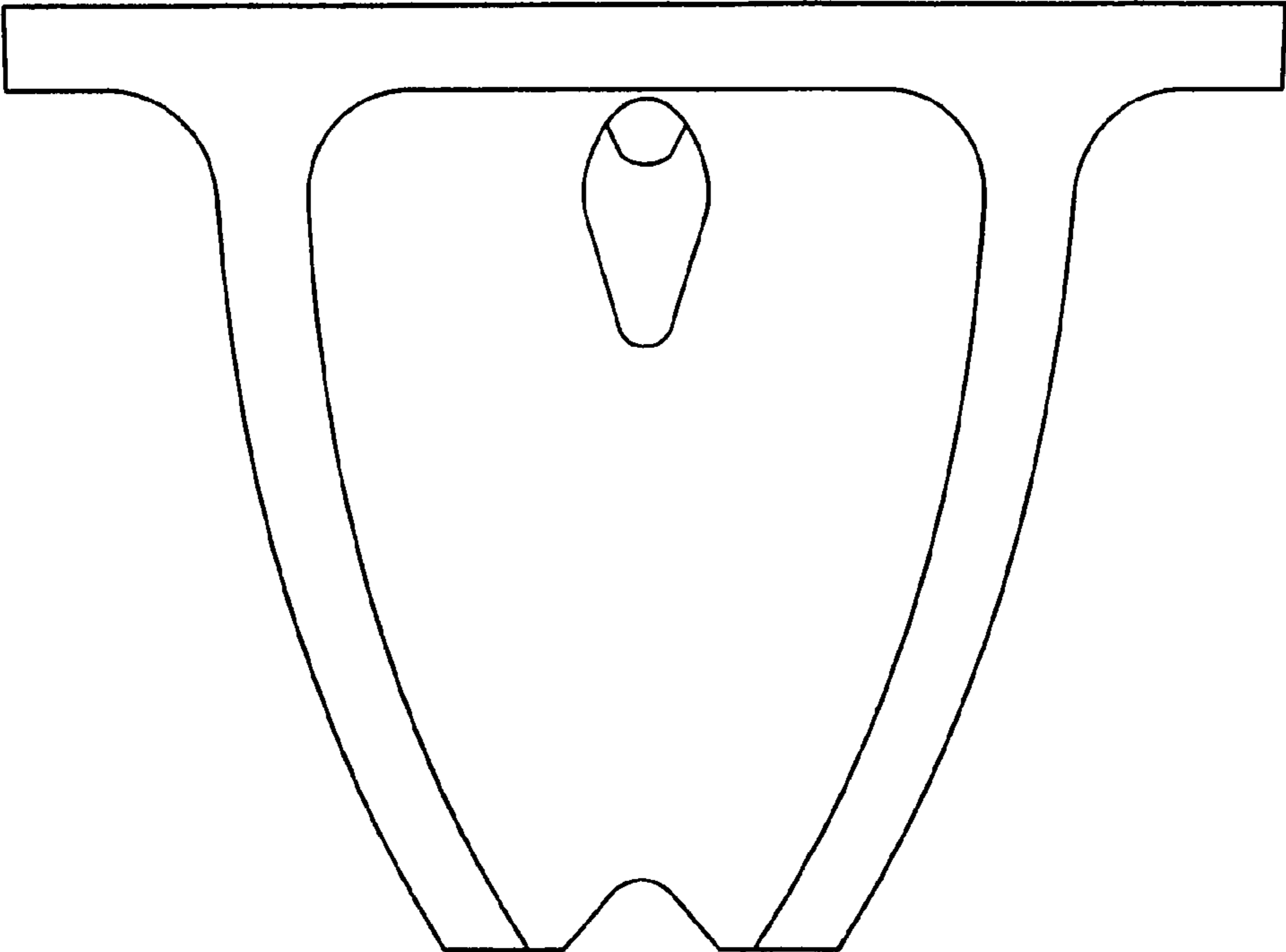


FIG. 3

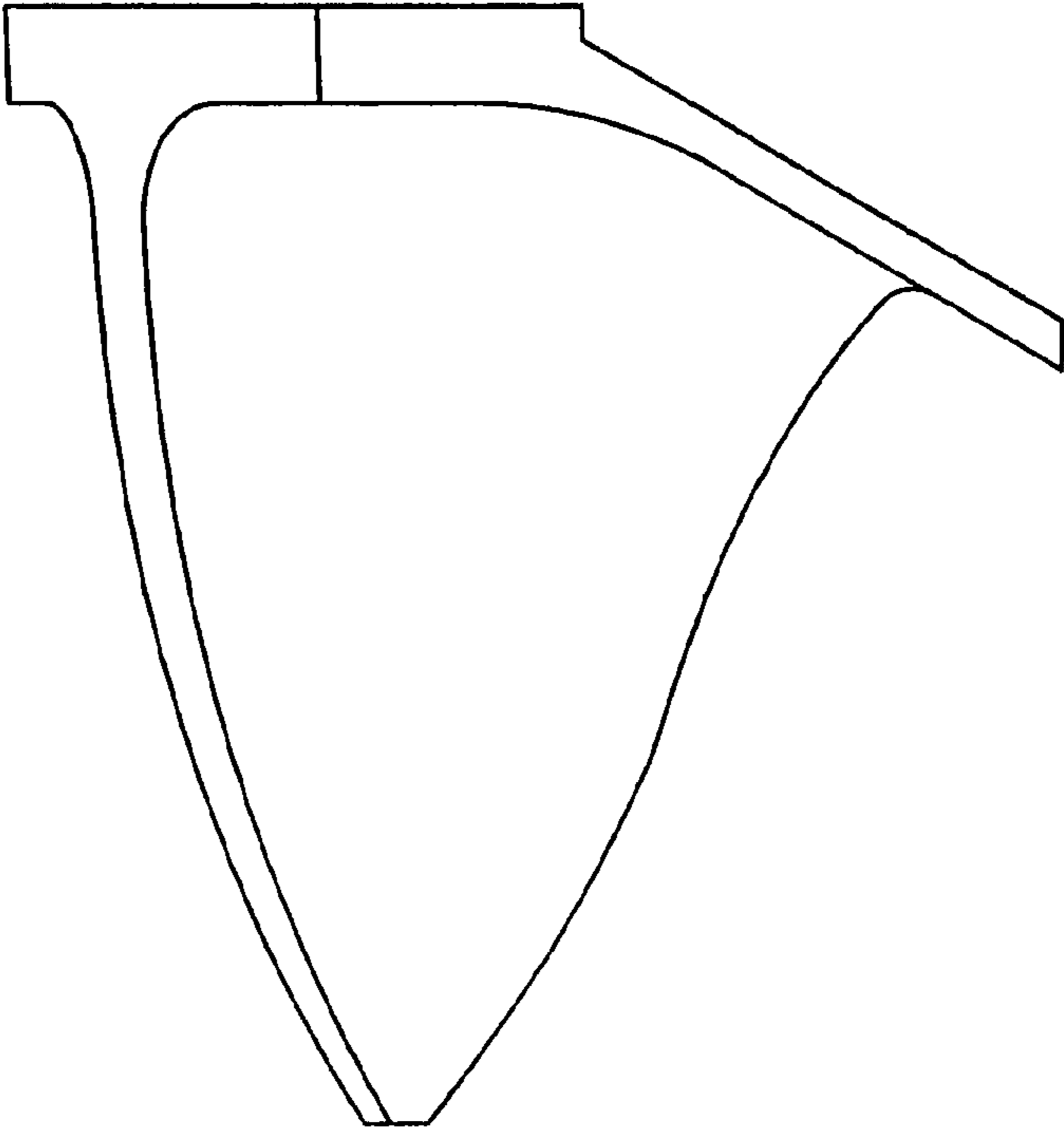


FIG. 4

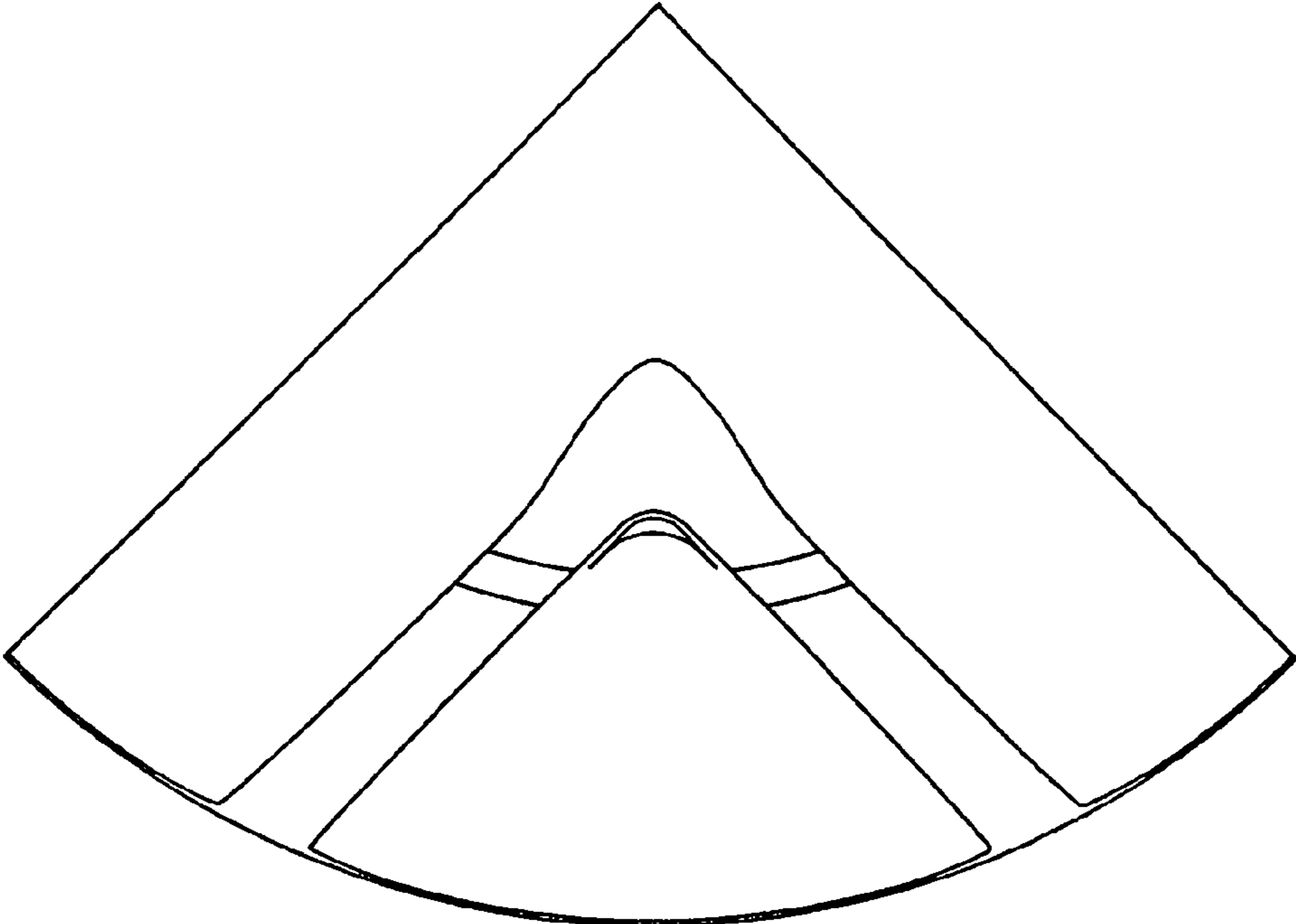


FIG. 5

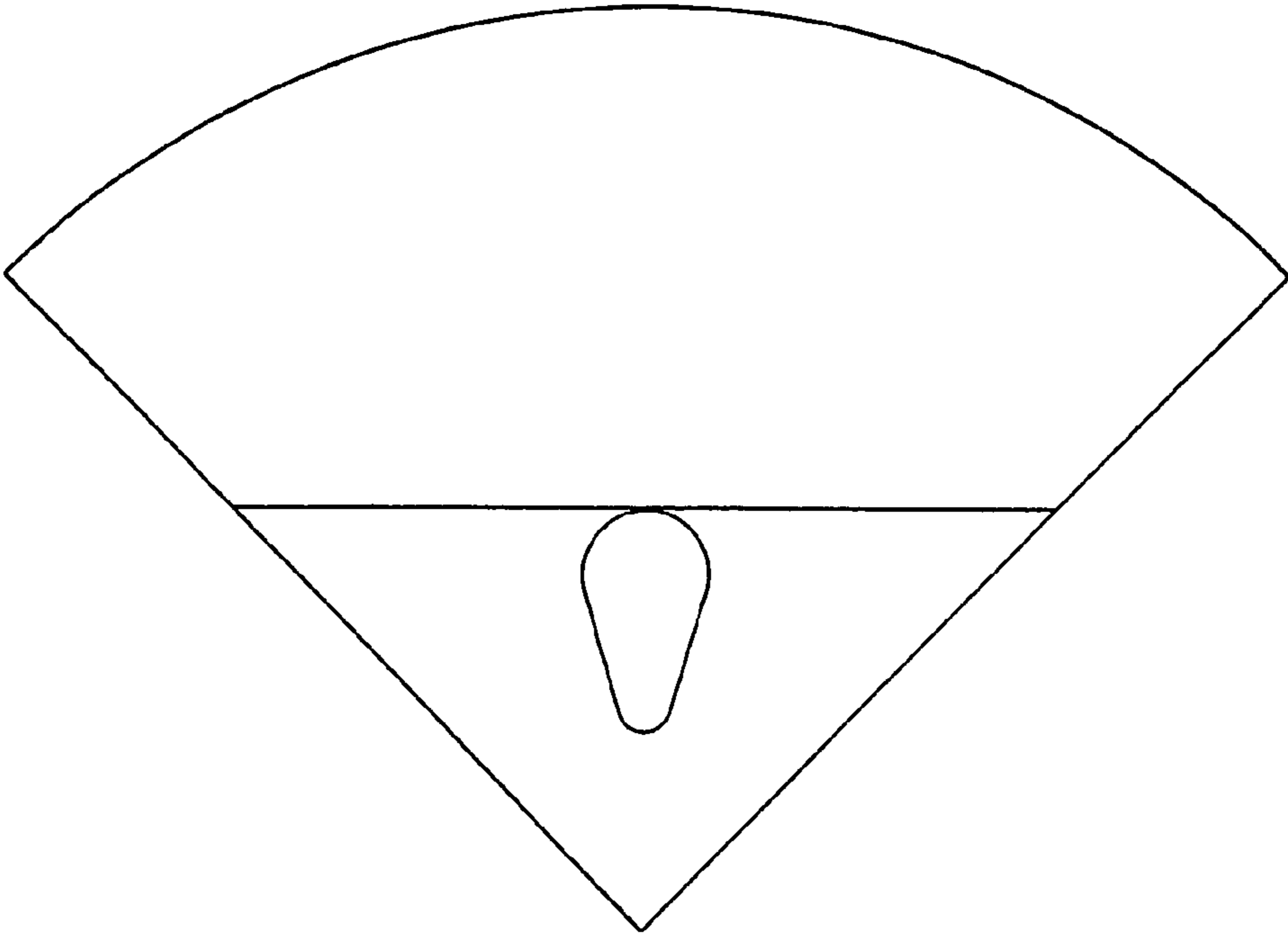


FIG. 6

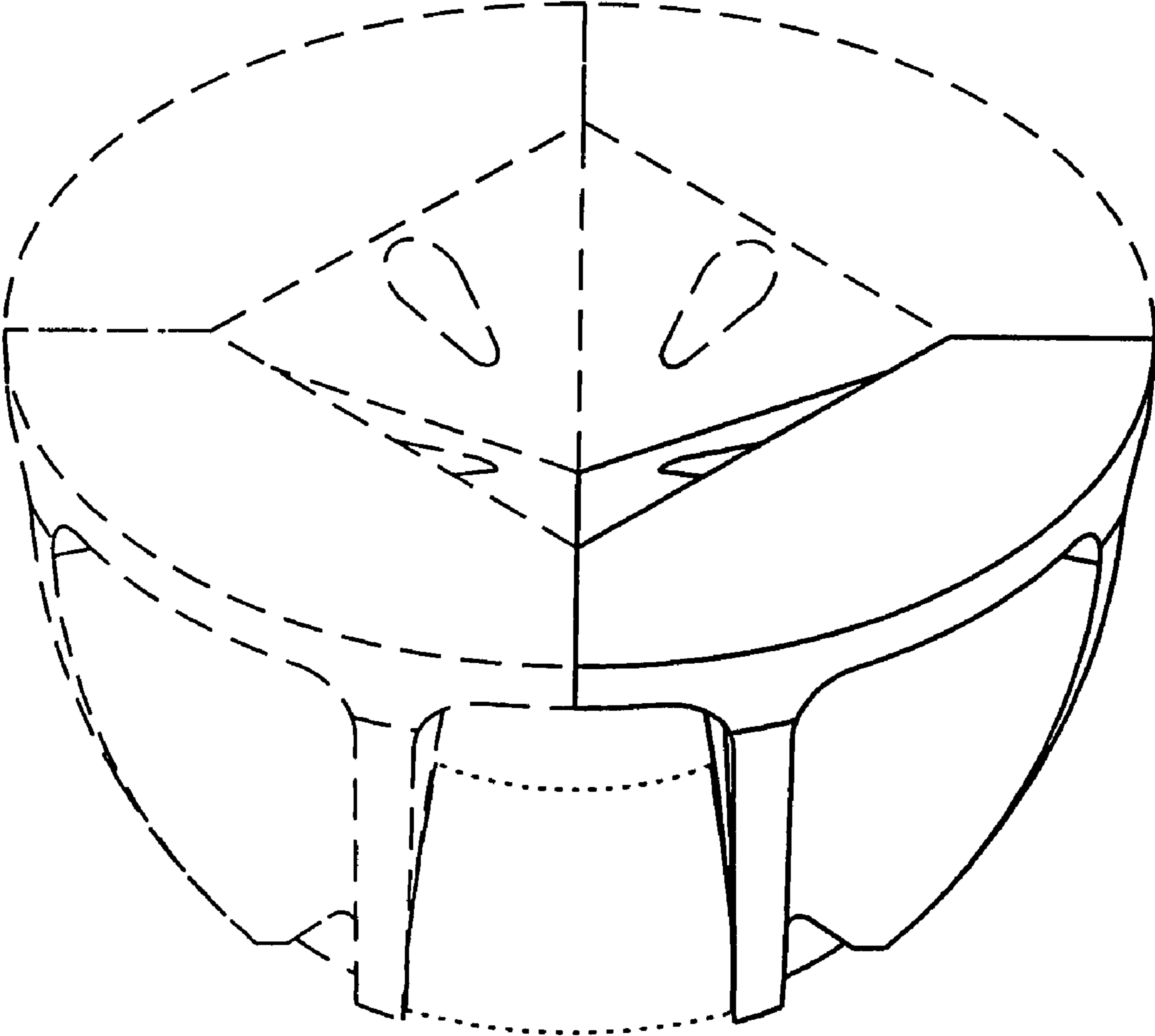


FIG. 7

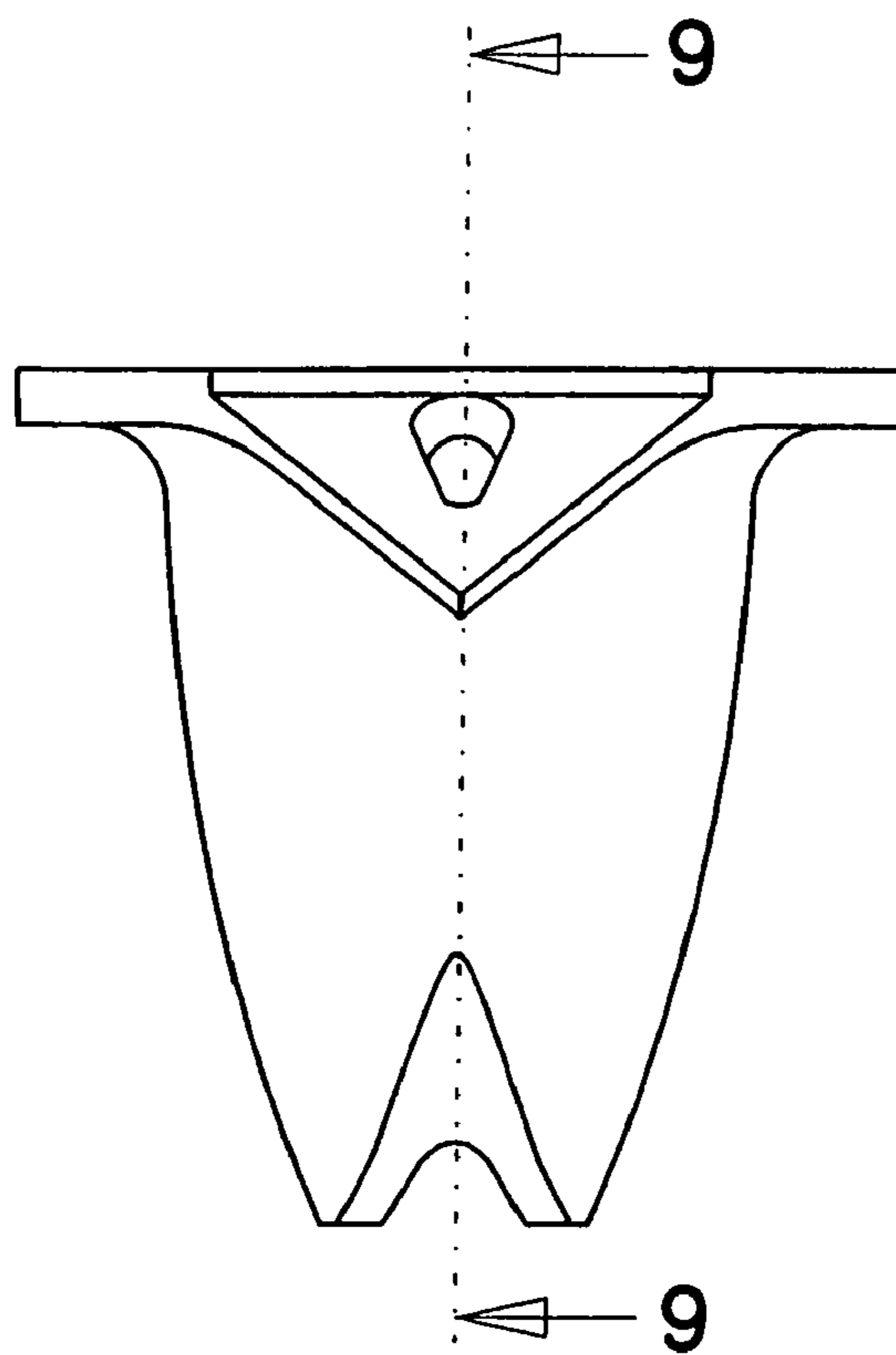


FIG. 8

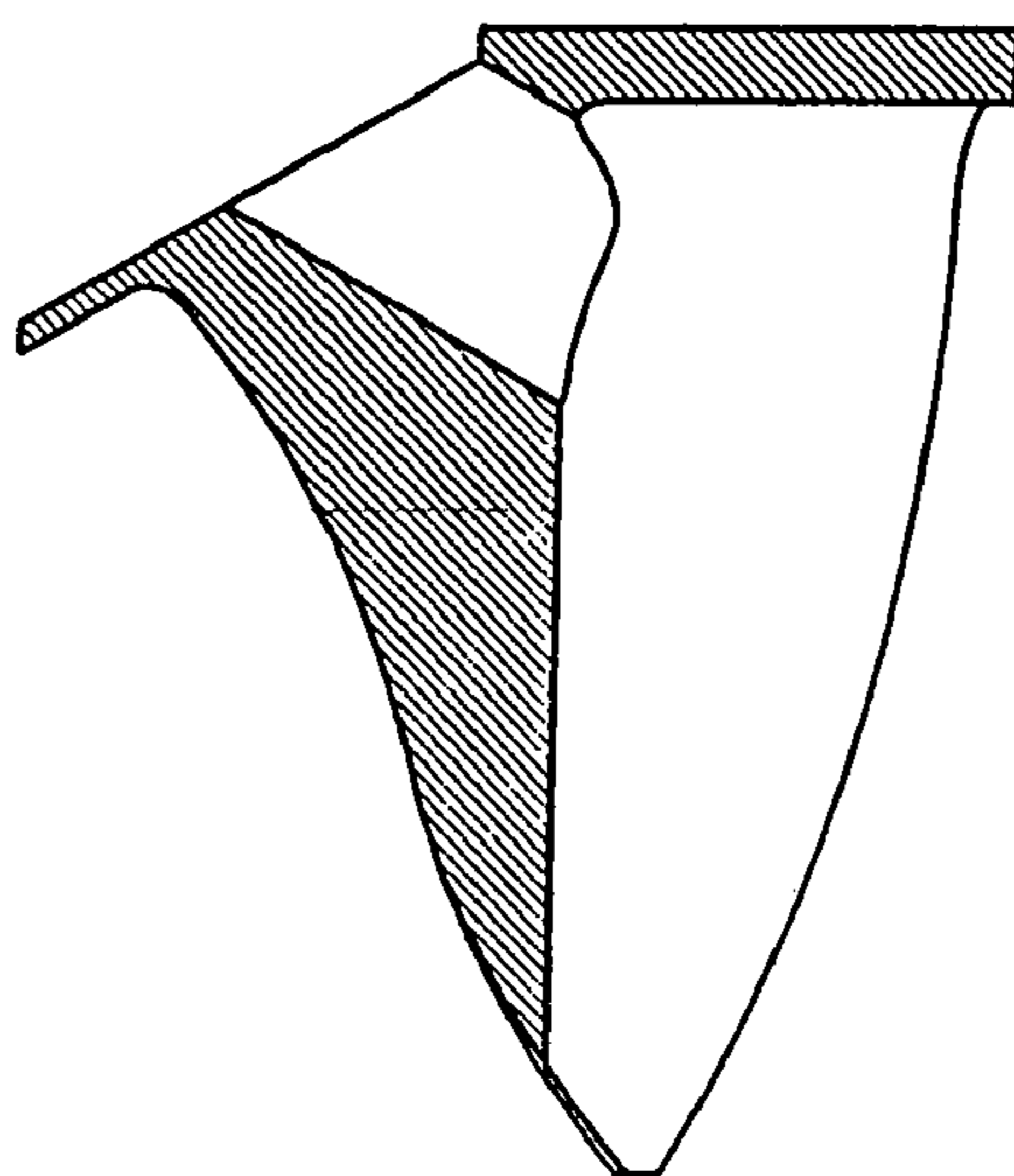


FIG. 9

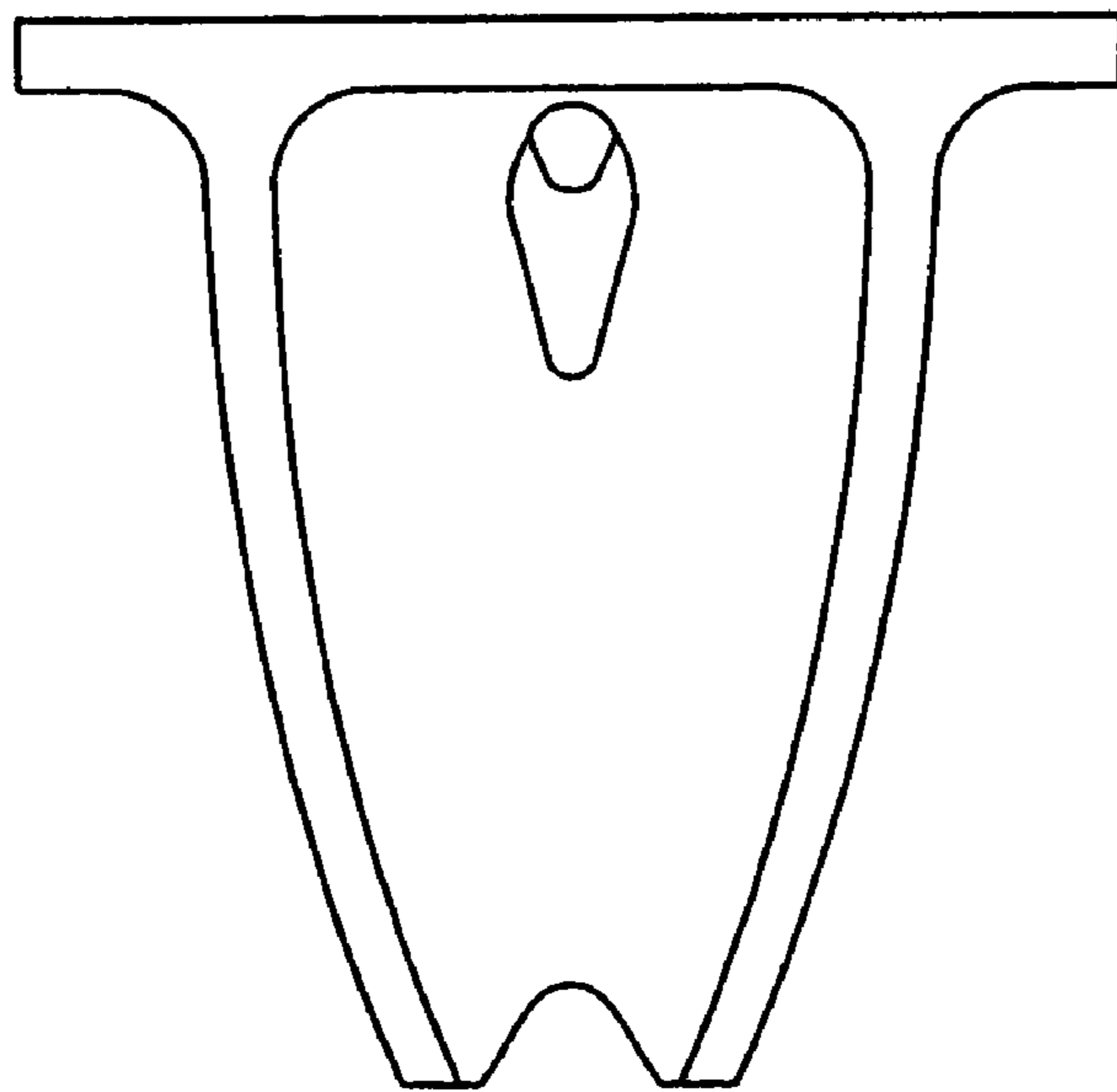


FIG. 10

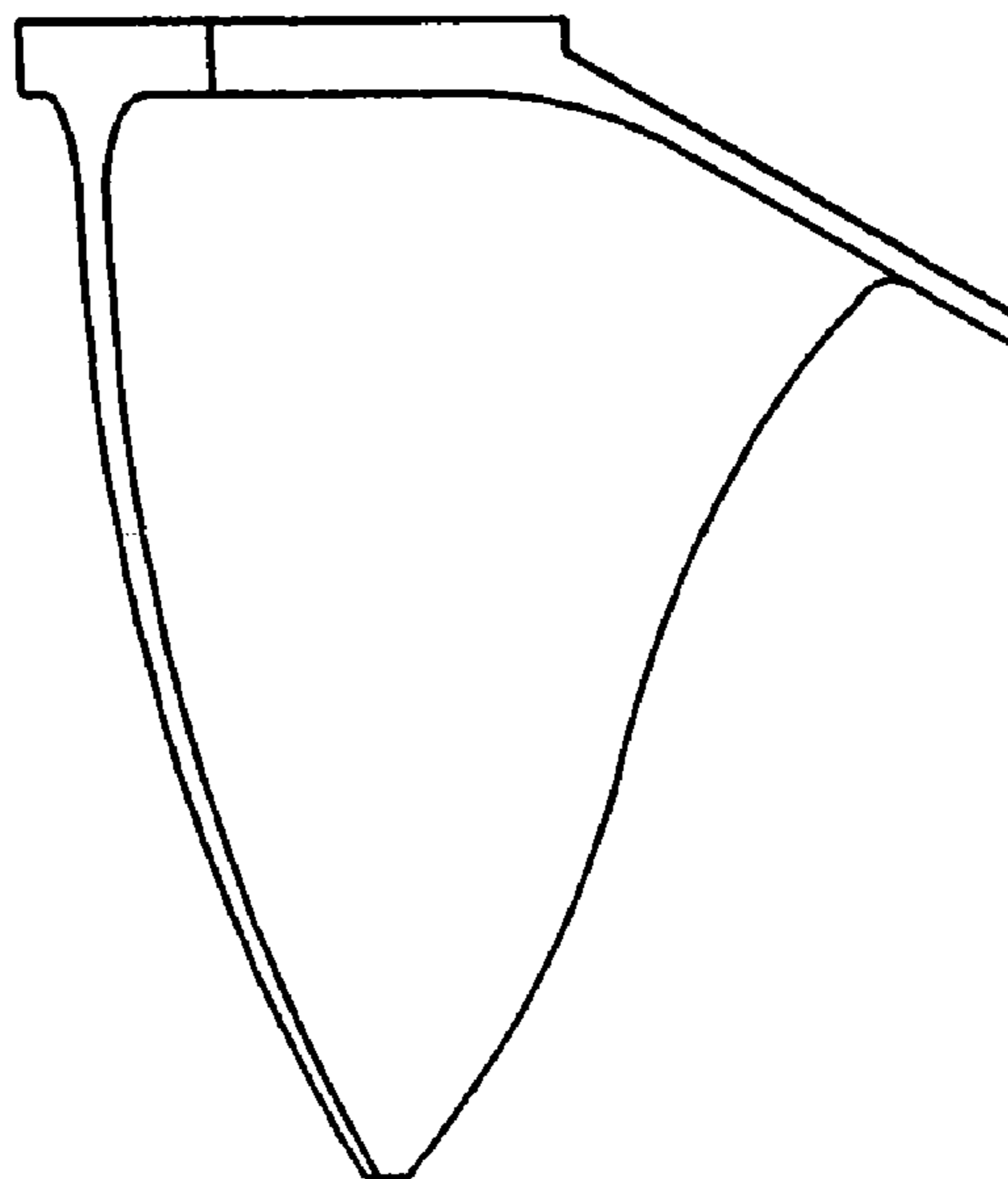


FIG. 11



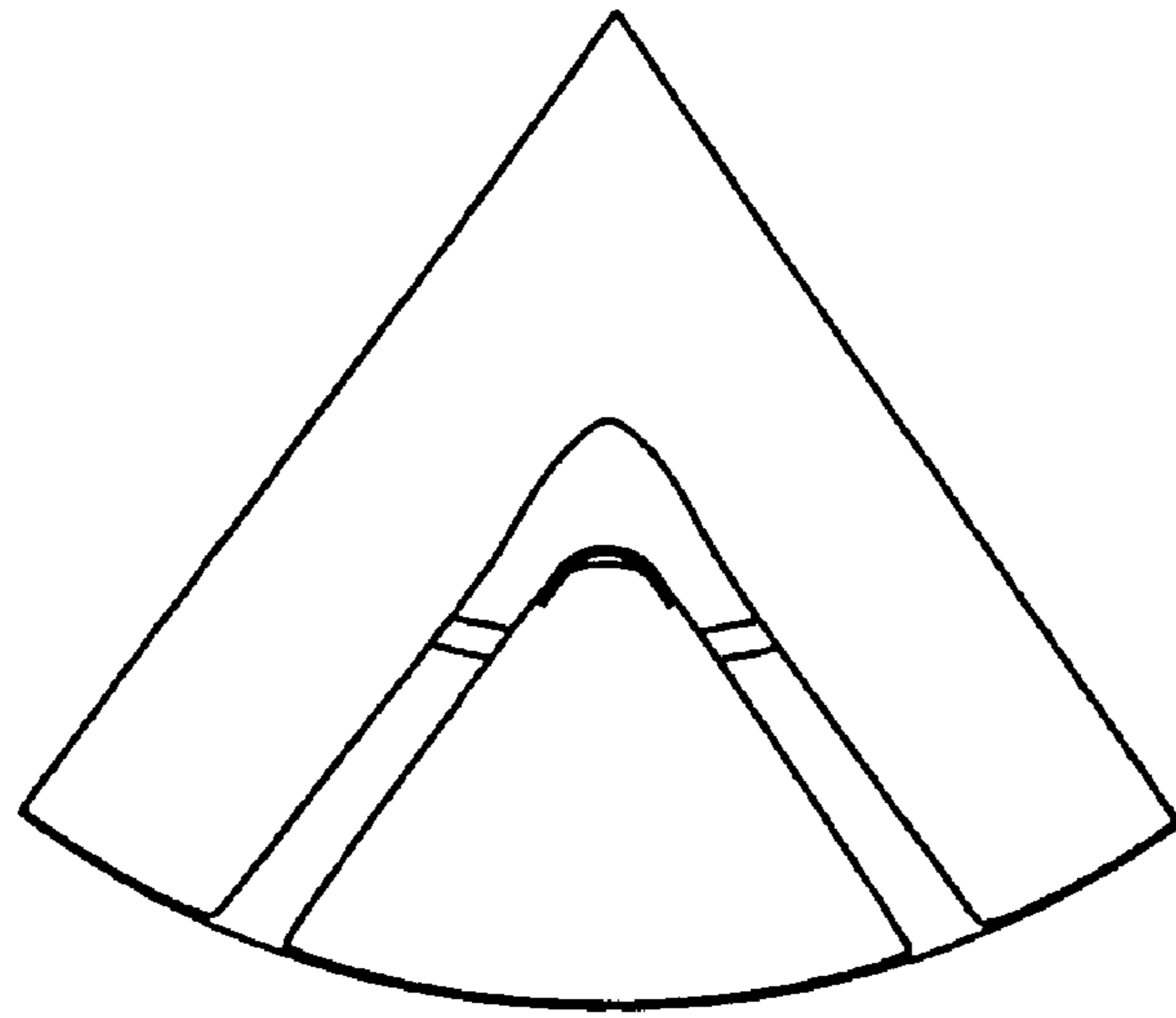


FIG. 12

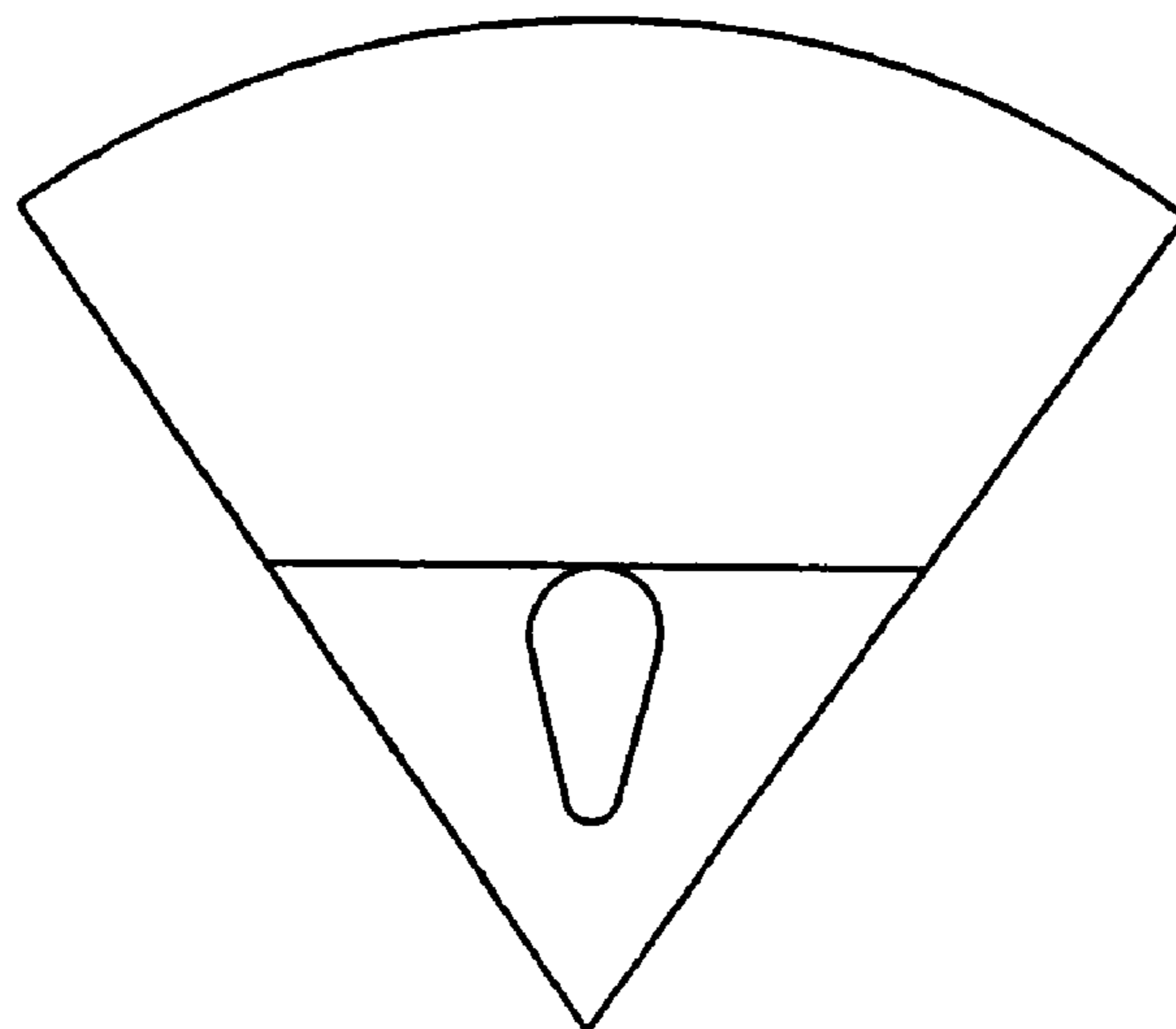


FIG. 13

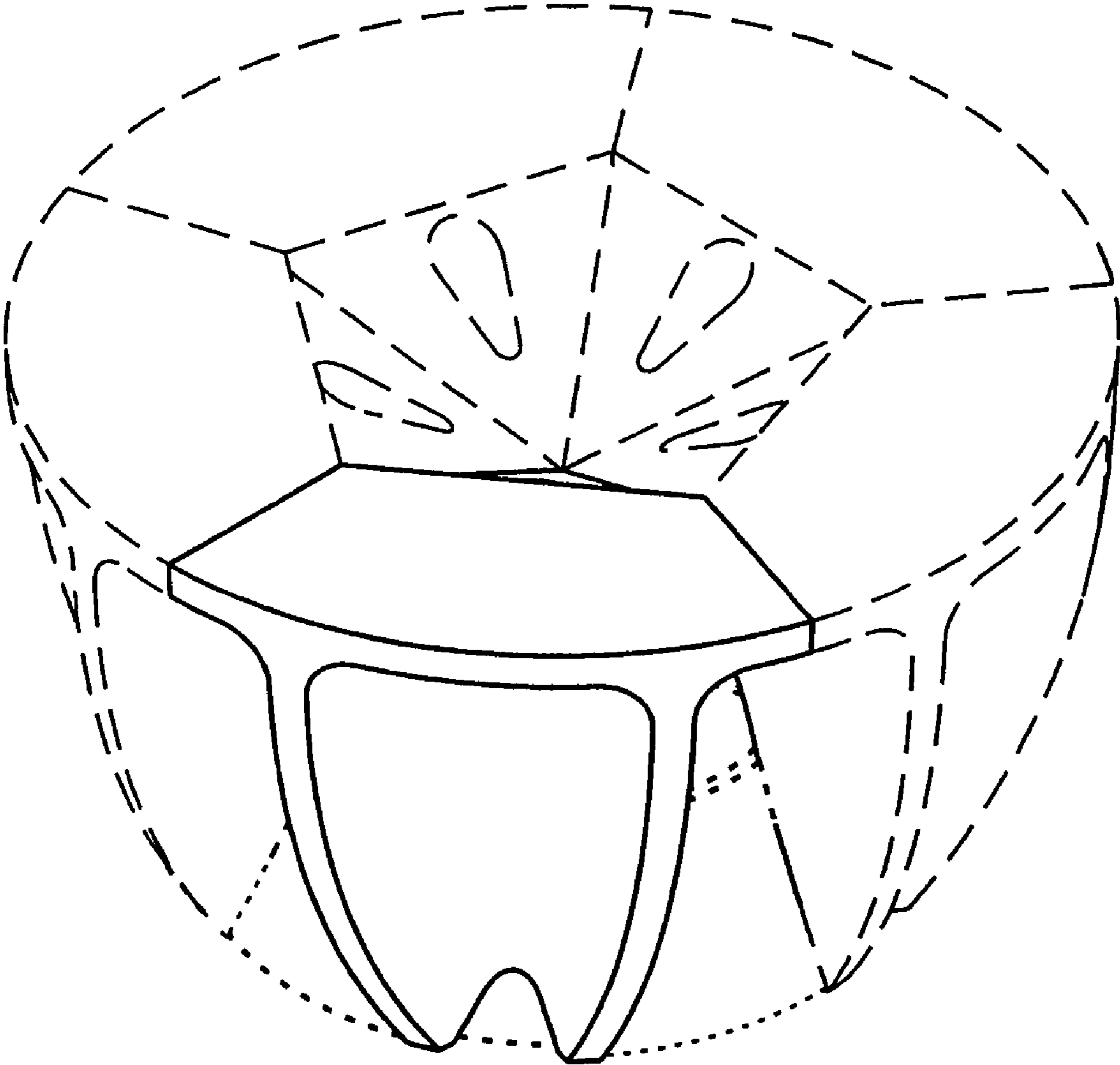


FIG. 14

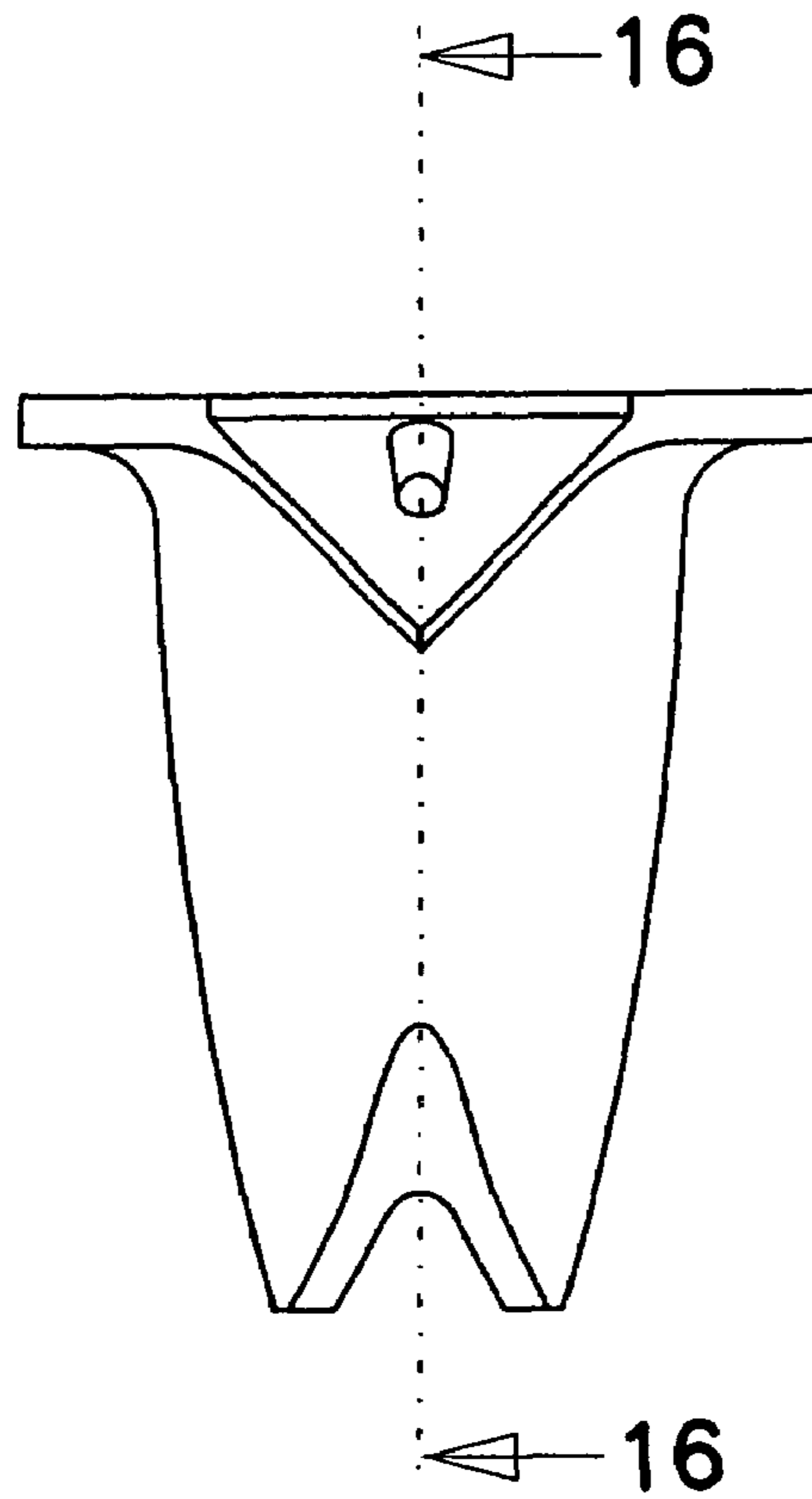


FIG. 15

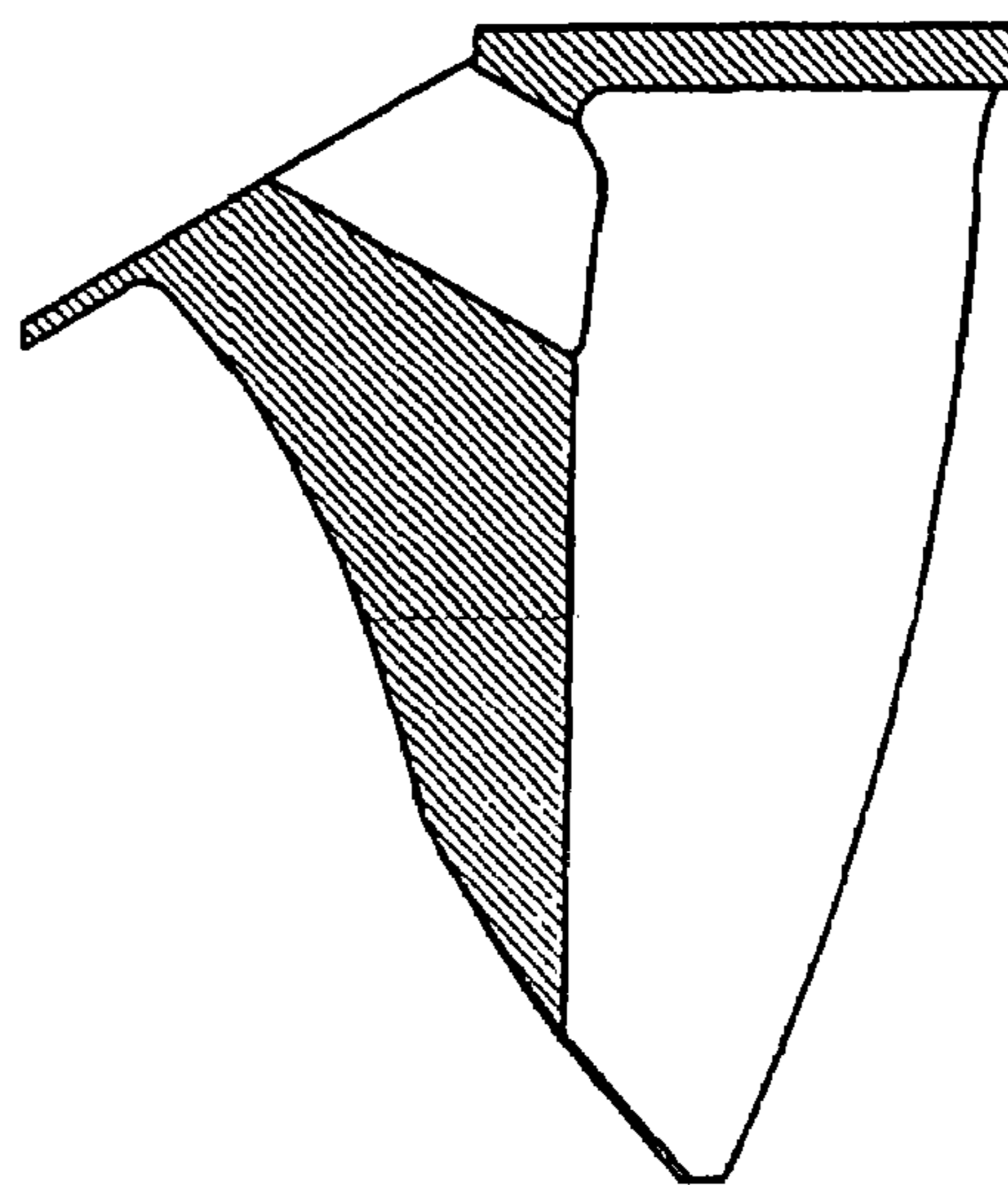


FIG. 16

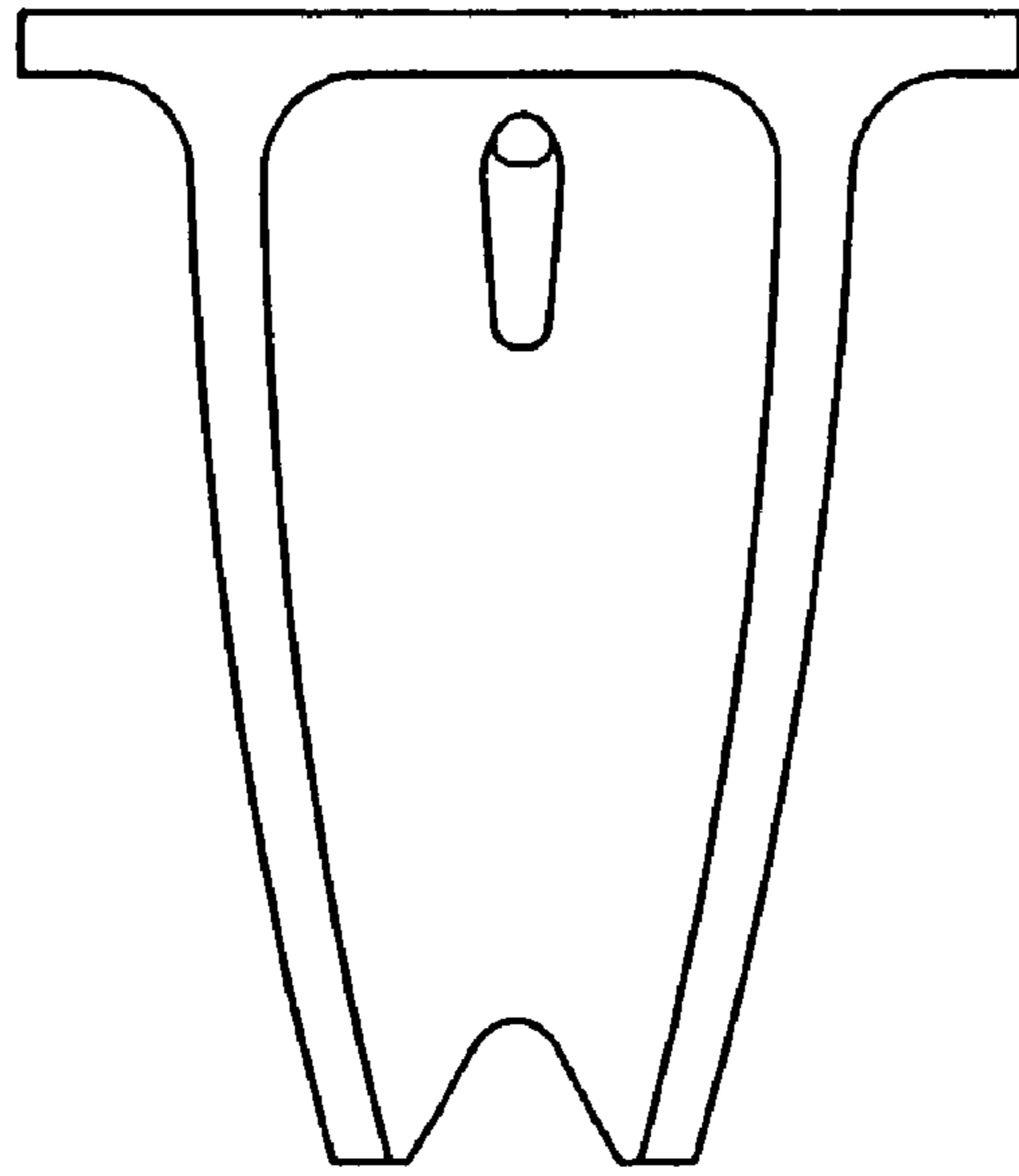


FIG. 17

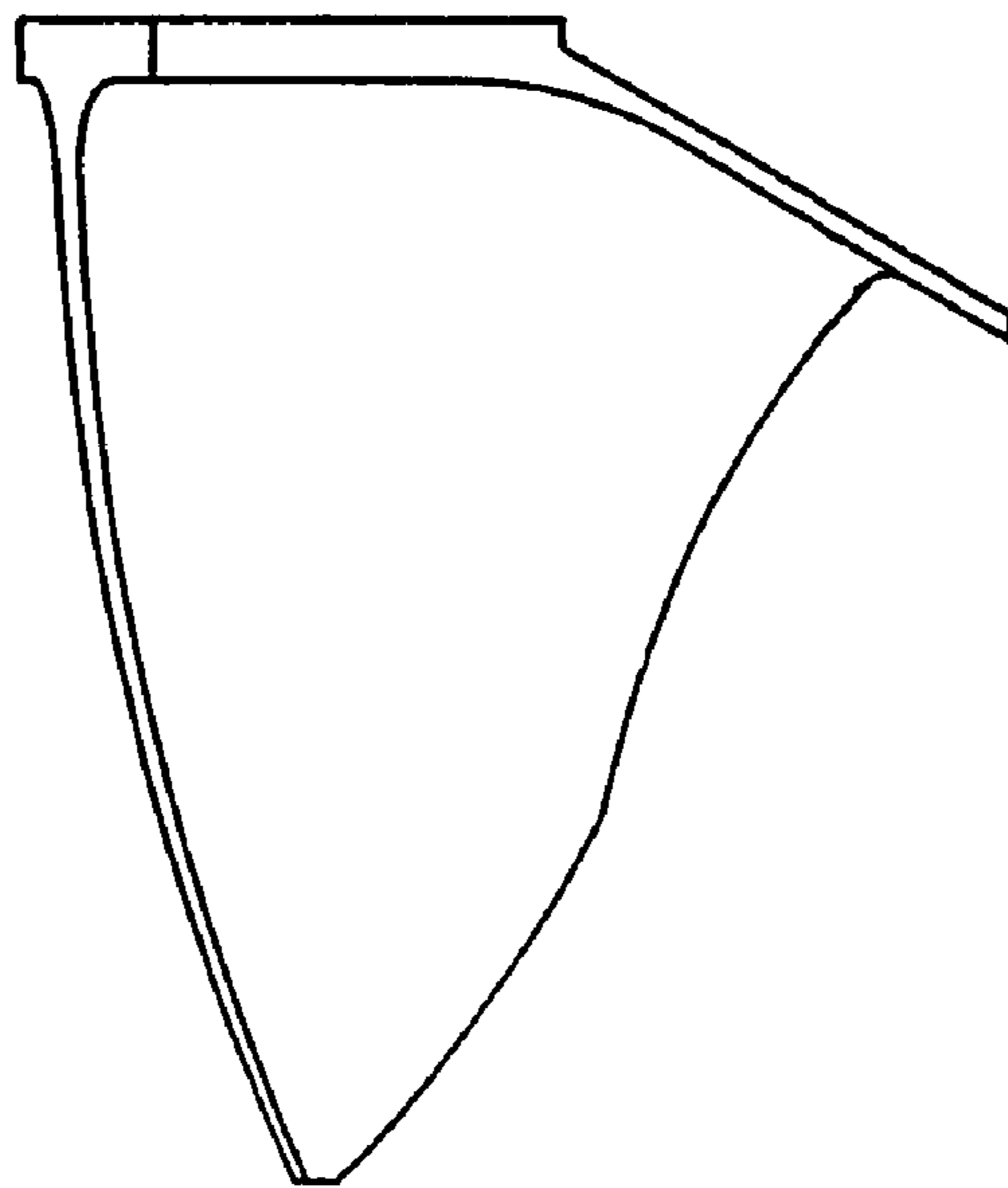


FIG. 18

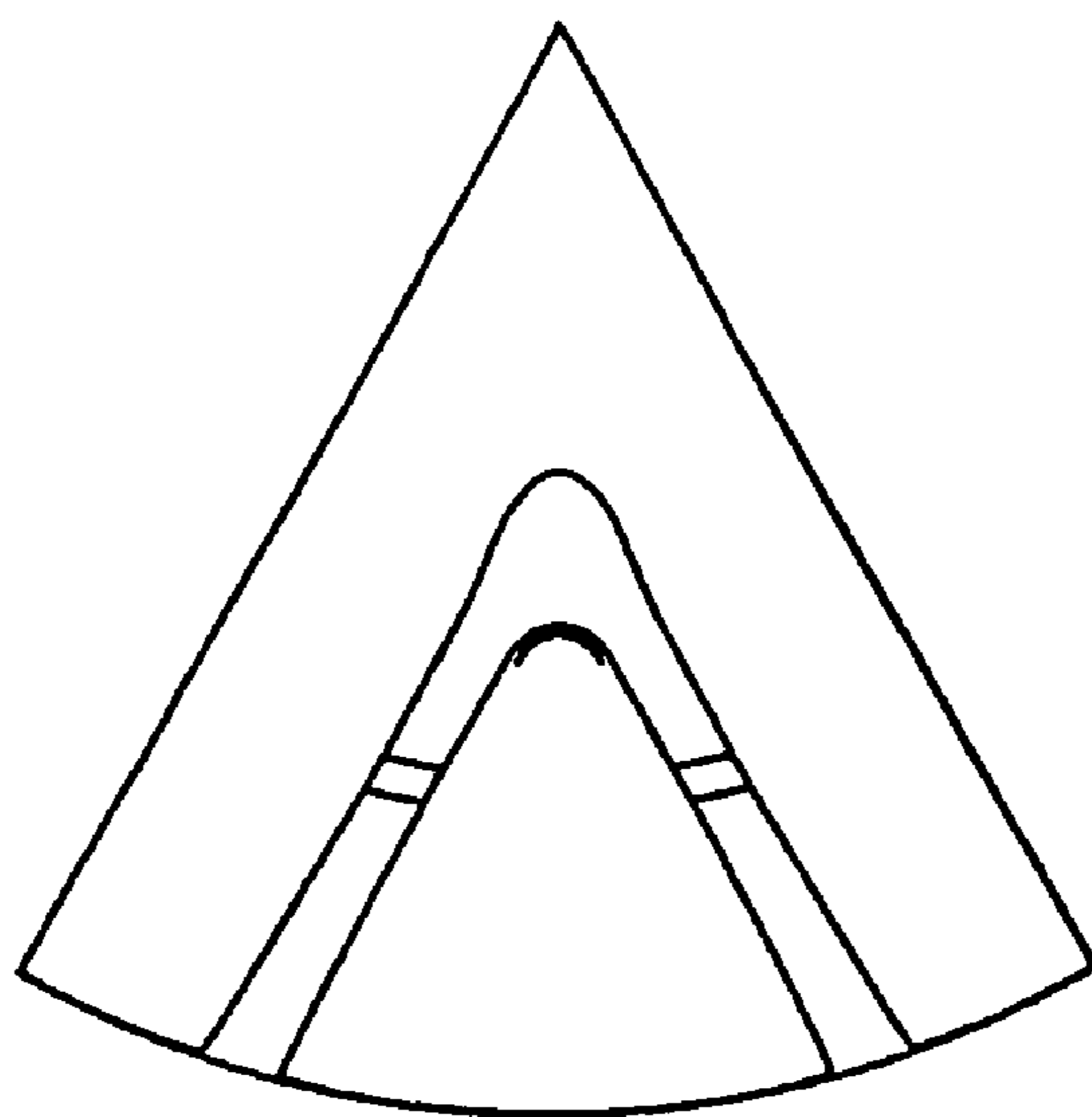


FIG. 19

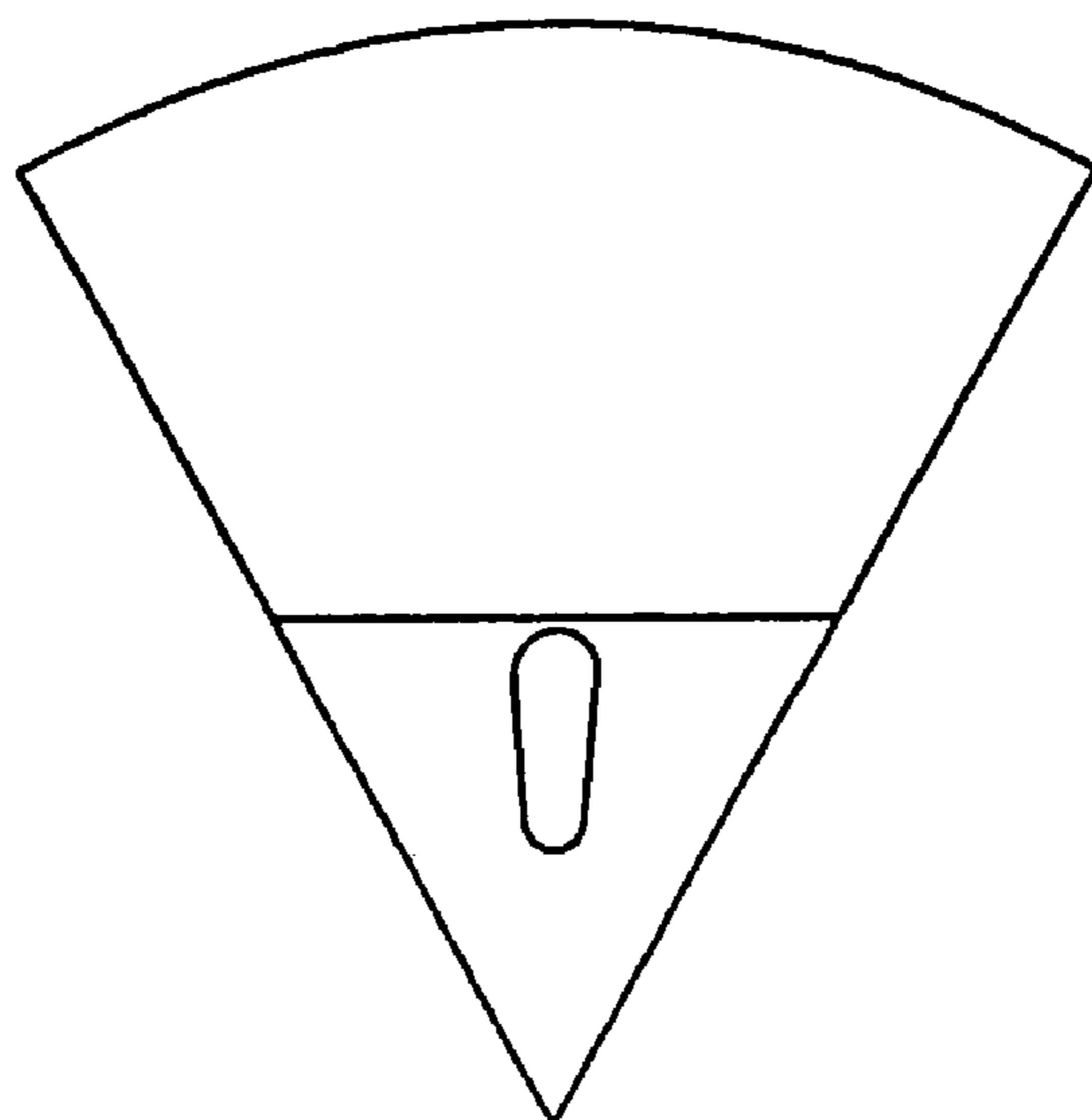


FIG. 20

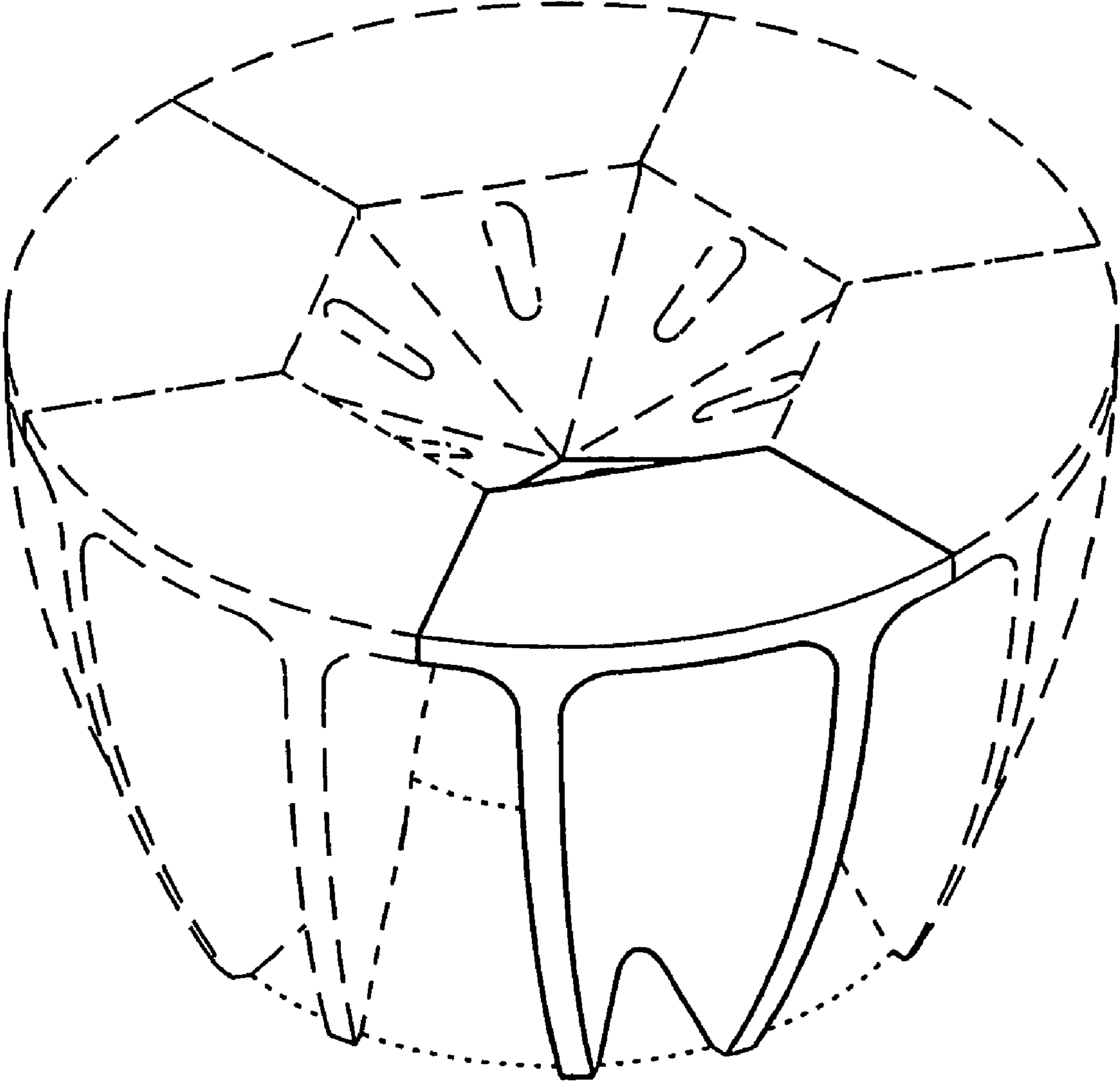


FIG. 21

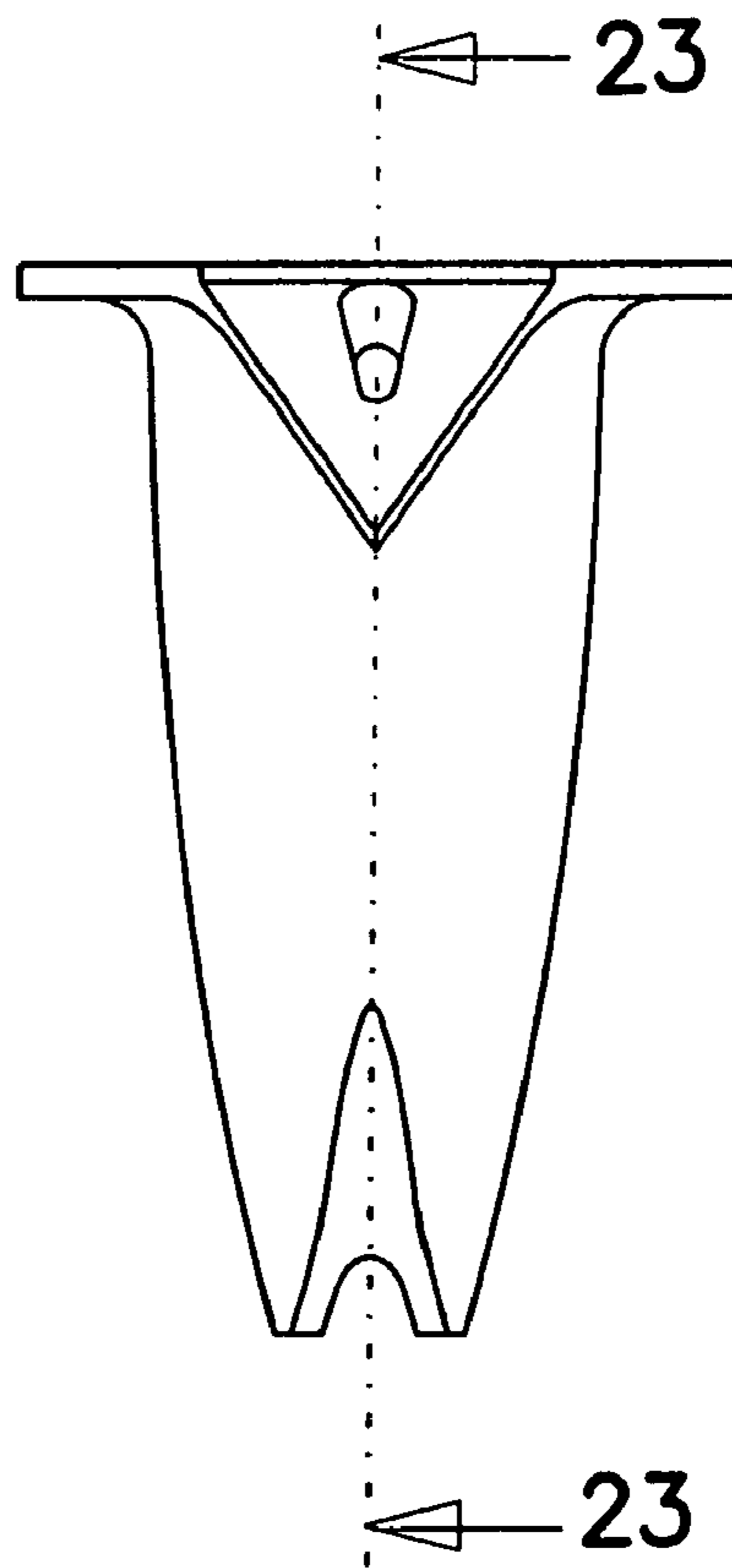


FIG. 22

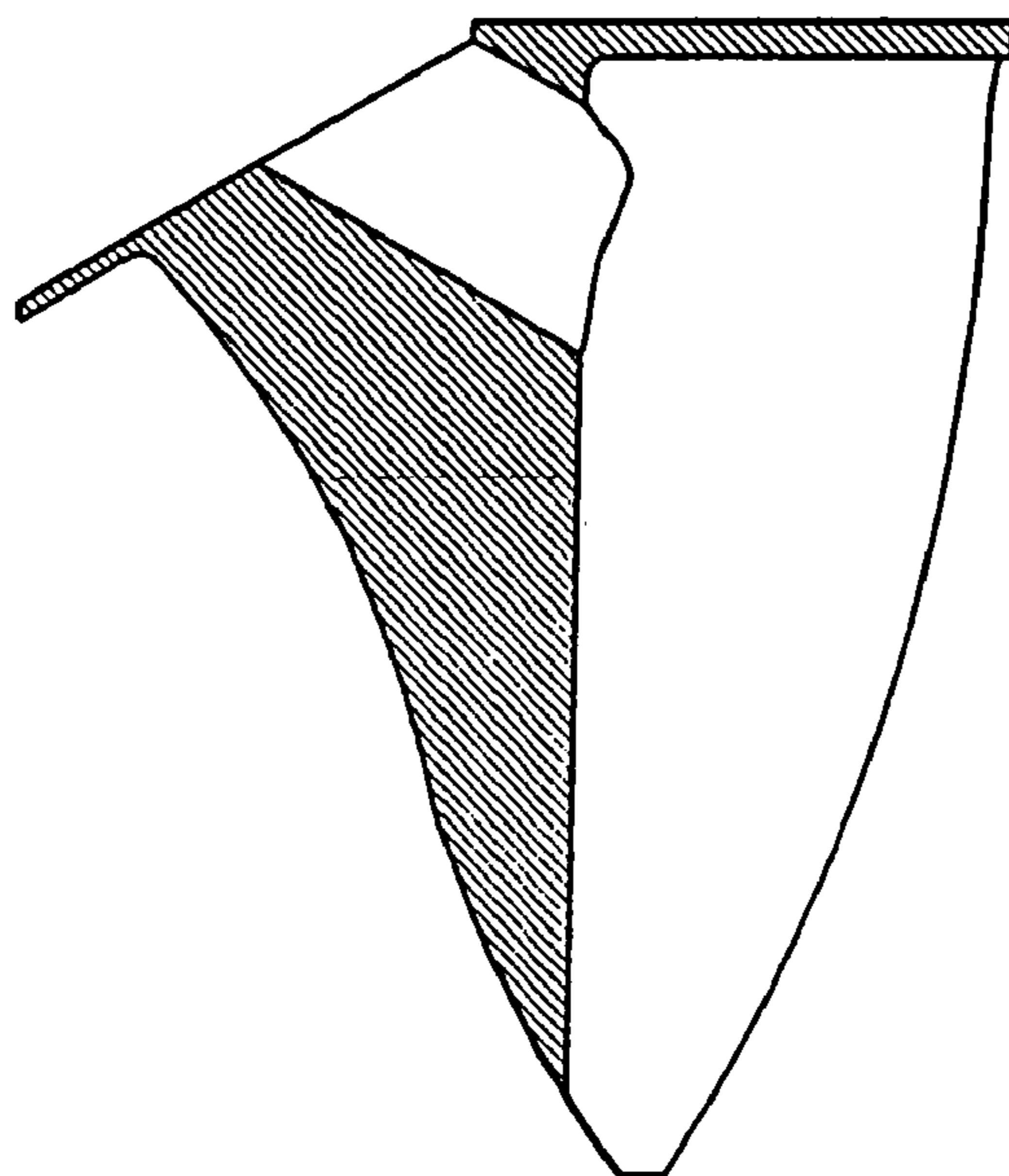


FIG. 23

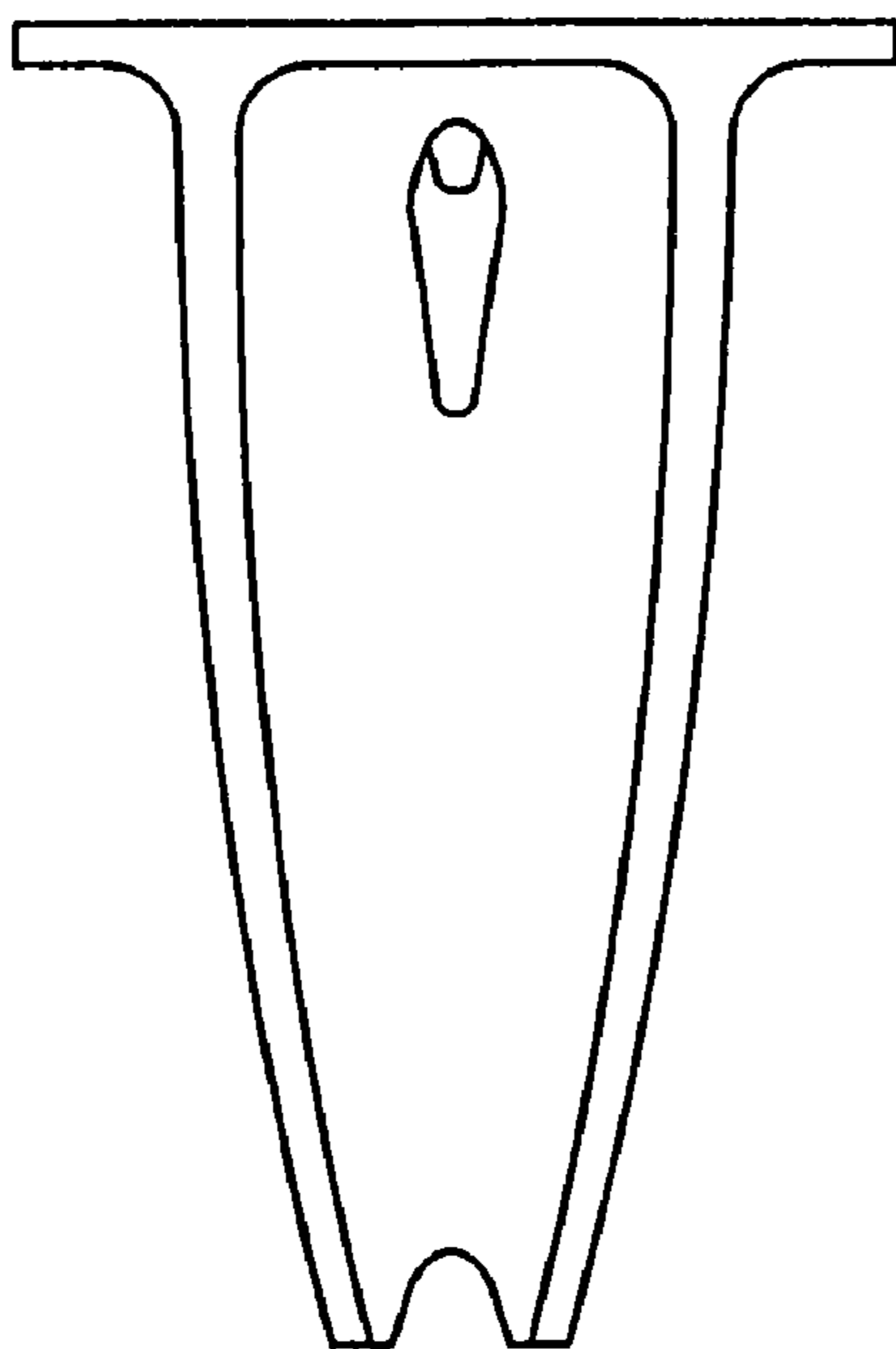


FIG. 24

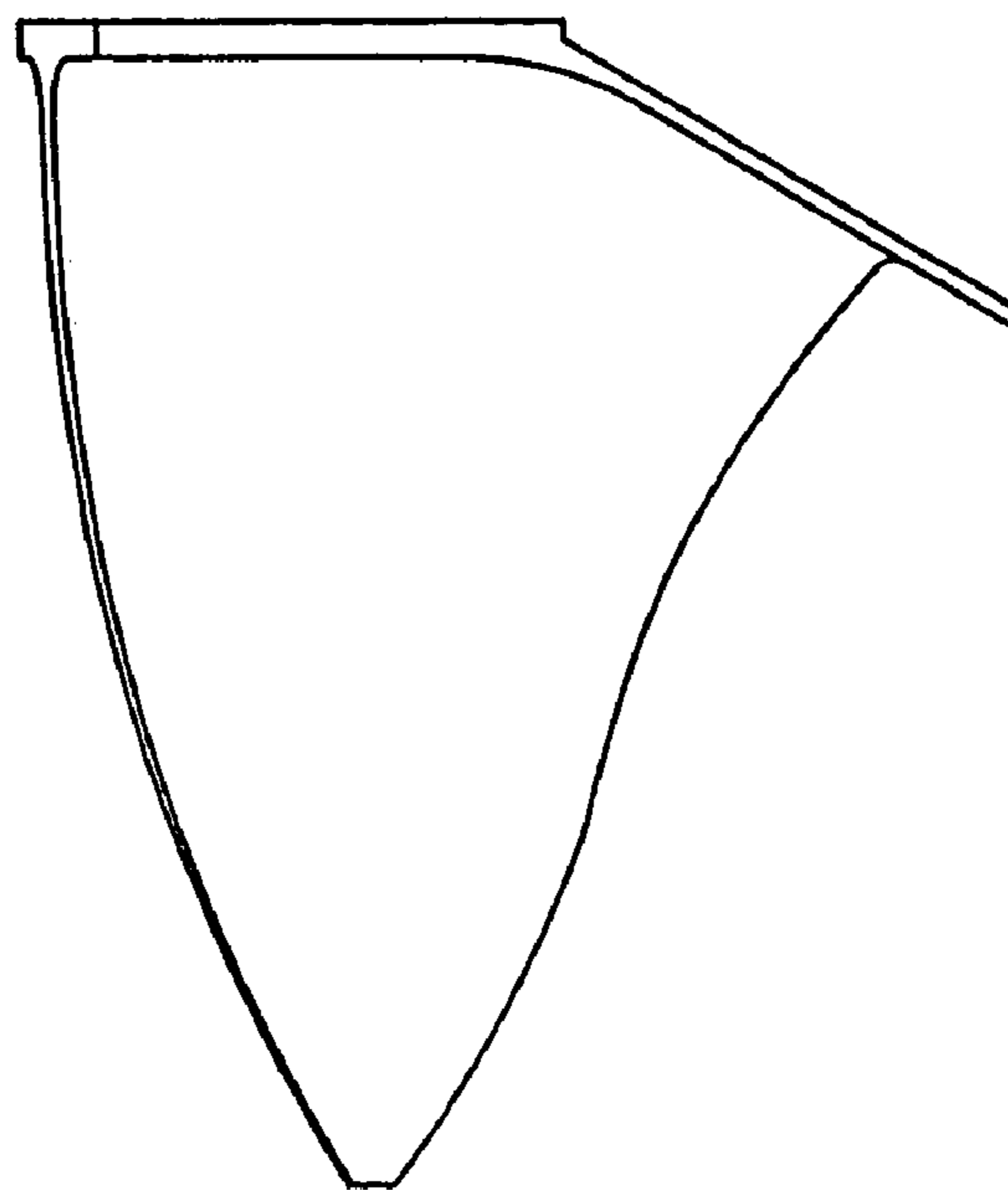


FIG. 25



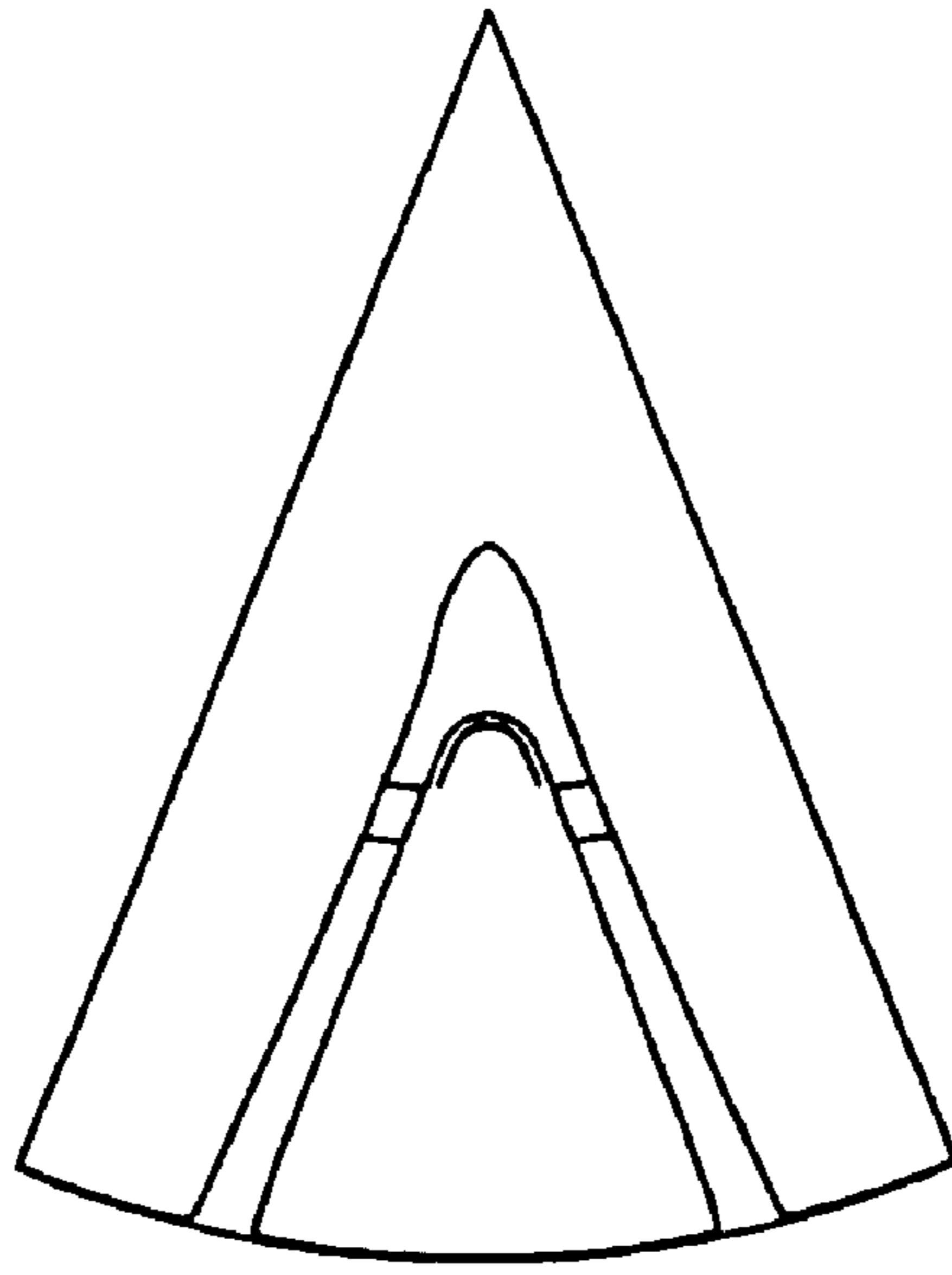


FIG. 26

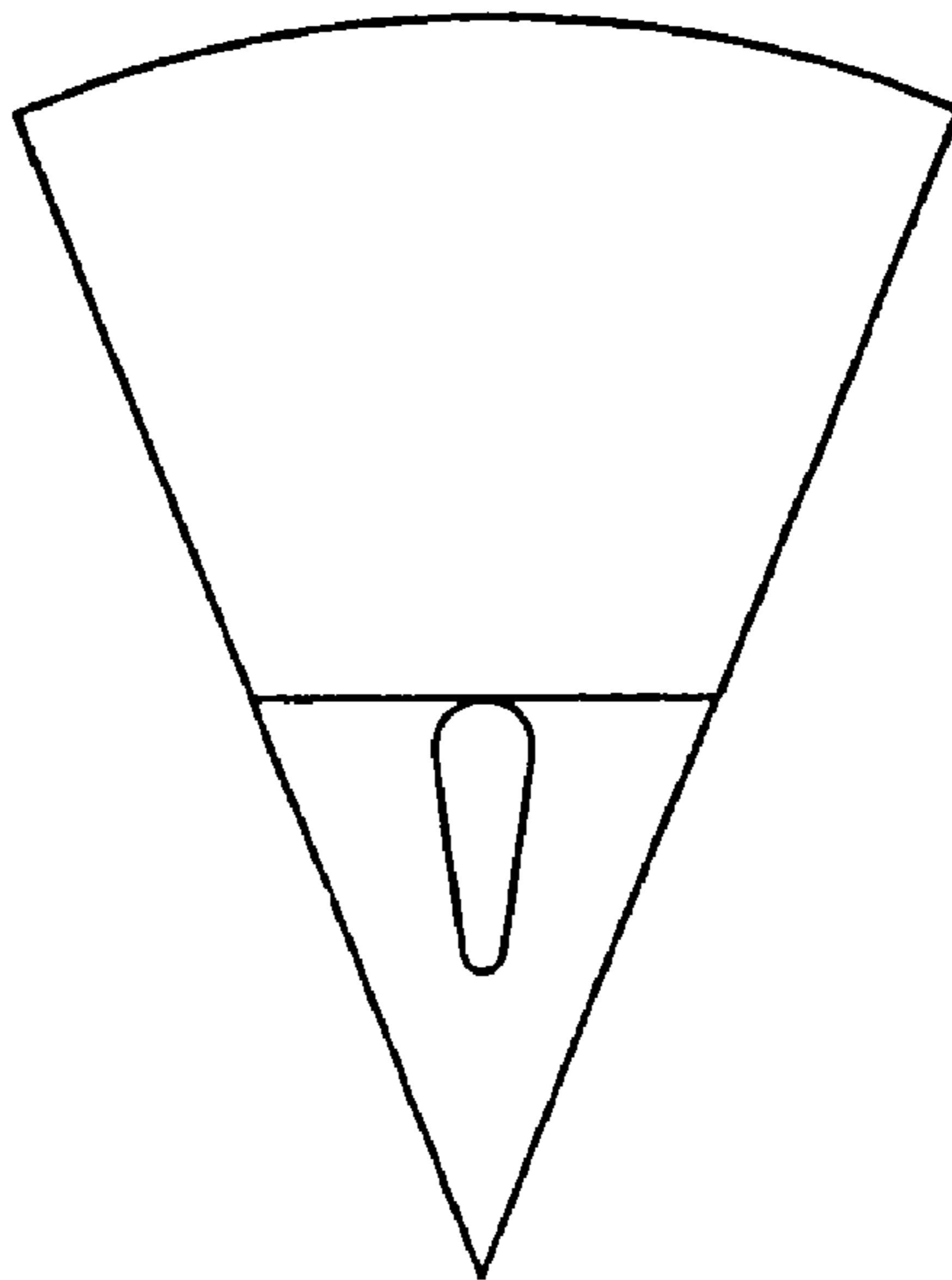


FIG. 27

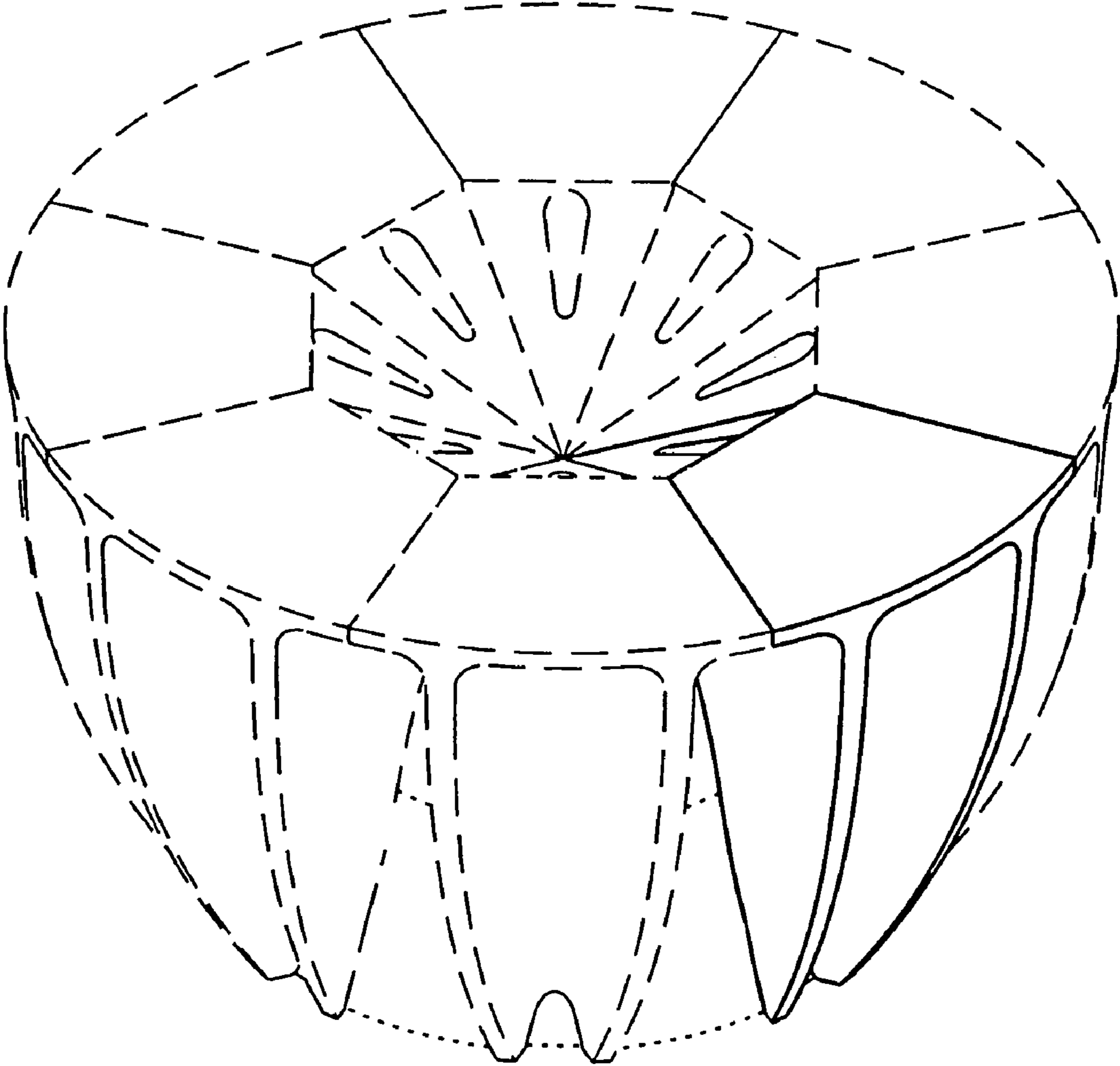


FIG. 28