



US00D452694B1

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

(10) **Patent No.:** **US D452,694 S**

(45) **Date of Patent:** **\*\* Jan. 1, 2002**

(54) **CATALYTIC CONVERTER**

(75) Inventor: **Tohru Irie**, Nishikamo-gun (JP)

(73) Assignee: **Sango Co., Ltd.**, Nagoya (JP)

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

(21) Appl. No.: **29/112,023**

(22) Filed: **Oct. 12, 1999**

(30) **Foreign Application Priority Data**

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May 18, 1999	(JP)	.....	11-12987
May 18, 1999	(JP)	.....	11-12988
May 18, 1999	(JP)	.....	11-13038

(51) **LOC (7) Cl.** ..... **15-01**

(52) **U.S. Cl.** ..... **D15/5; D12/194**

(58) **Field of Search** ..... **D12/194; 29/890;**  
**422/177; 181/228, 227; 60/311; D15/5**

(56) **References Cited**

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*Assistant Examiner*—T. Chase Nelson

(74) *Attorney, Agent, or Firm*—Oliff & Berridge, PLC

(57) **CLAIM**

The ornamental design for catalytic converter, as shown and described.

**DESCRIPTION**

FIG. 1 is a top view of a first embodiment of the catalytic converter;

FIG. 2 is a front view thereof, the rear view being a mirror image;

FIG. 3 is a bottom view thereof;

FIG. 4 is a left side view thereof;

FIG. 5 is a right side view thereof;

FIG. 6 is a top view of a second embodiment of the catalytic converter;

FIG. 7 is a front view thereof, the rear view being a mirror image;

FIG. 8 is a bottom view thereof;

FIG. 9 is a left side view thereof;

FIG. 10 is a right side view thereof;

FIG. 11 is a top view of a third embodiment of the catalytic converter;

FIG. 12 is a front view thereof, the rear view being a mirror image;

FIG. 13 is a bottom view thereof;

FIG. 14 is a left side view thereof;

FIG. 15 is a right side view thereof;

FIG. 16 is a top view of a fourth embodiment of the catalytic converter;

FIG. 17 is a front view thereof, the rear view being a mirror image;

FIG. 18 is a bottom view thereof;

FIG. 19 is a left side view thereof, the right hand side being a mirror image;

FIG. 20 is a top view of a fifth embodiment of the catalytic converter;

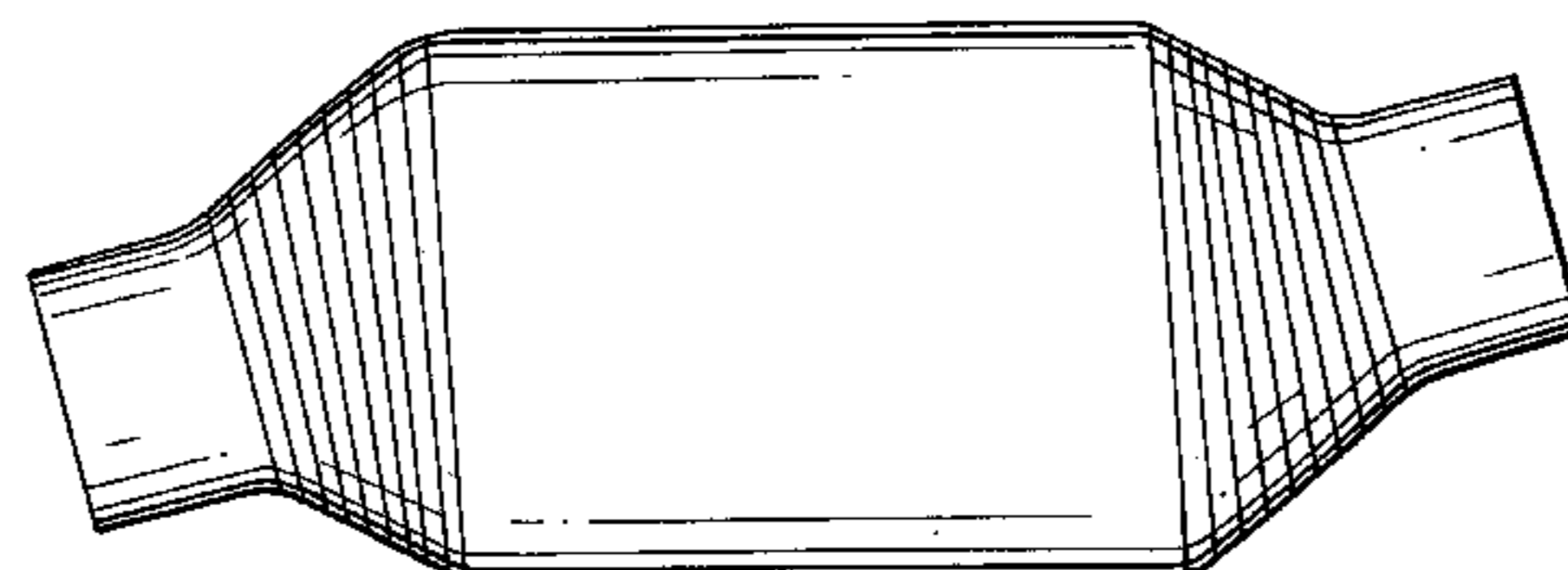
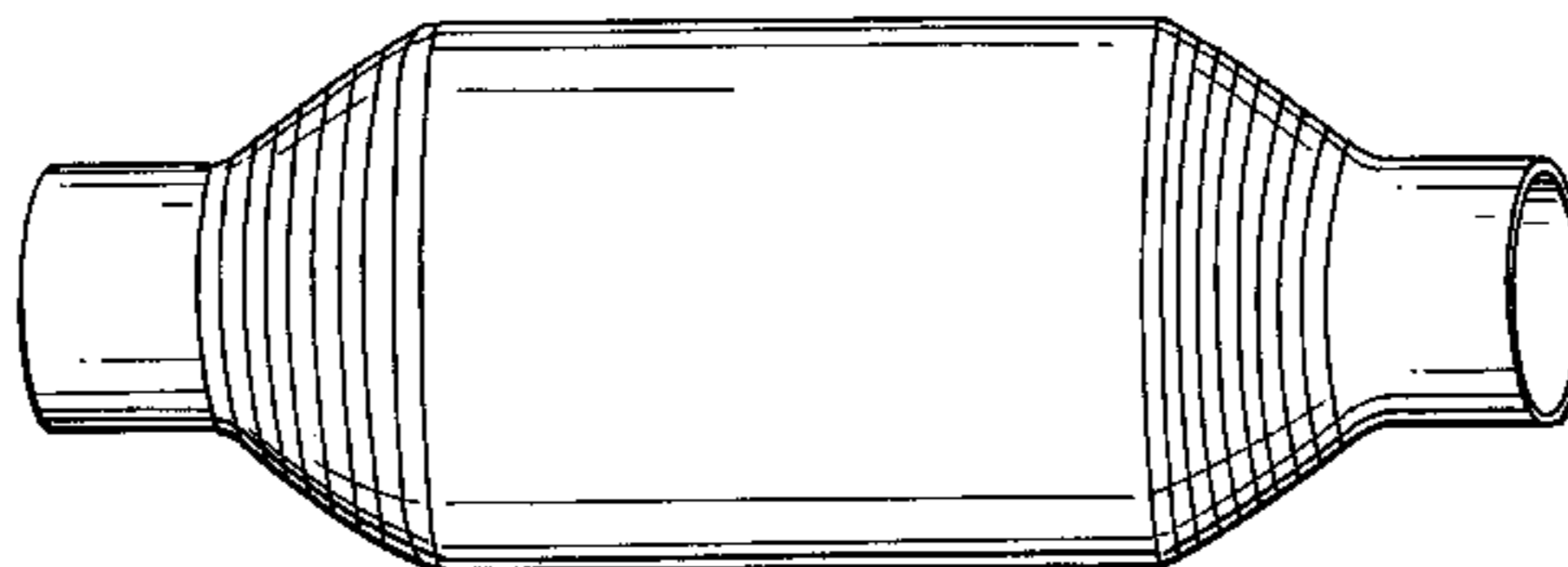
FIG. 21 is a front view thereof, the rear view being a mirror image;

FIG. 22 is a bottom view thereof;

FIG. 23 is a left side view thereof; and,

FIG. 24 is a right side view thereof.

**1 Claim, 10 Drawing Sheets**



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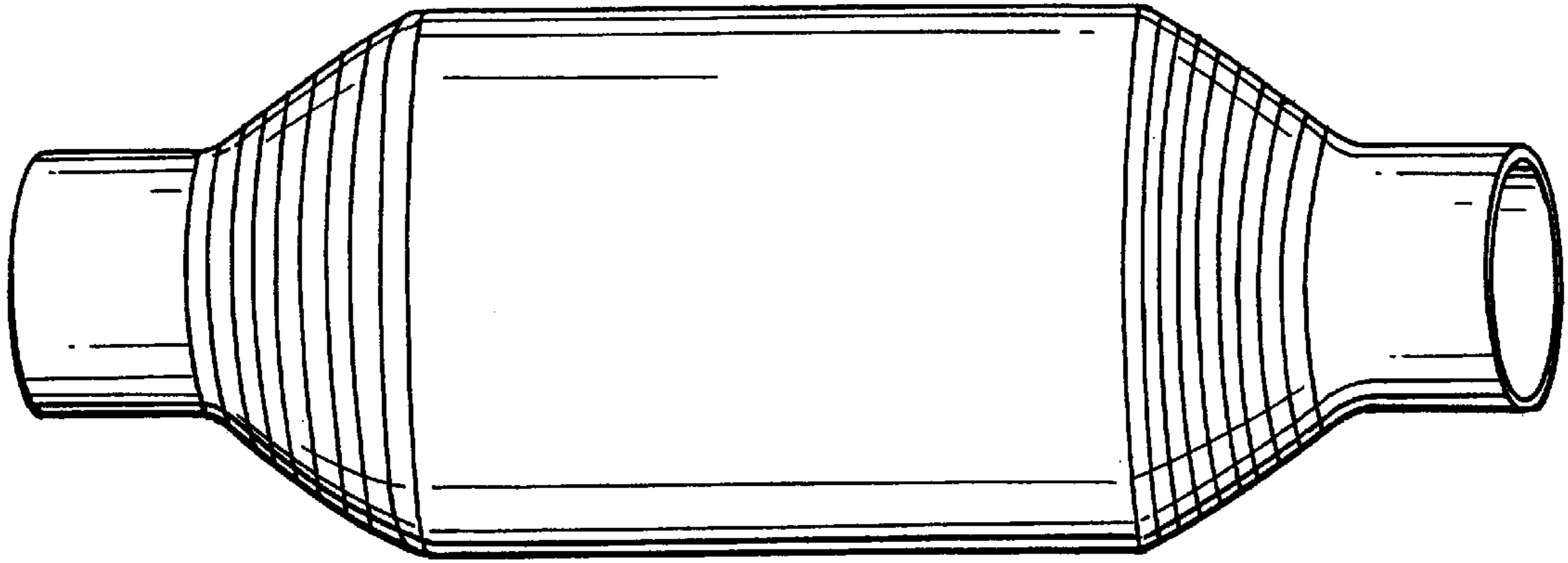


FIG. 1

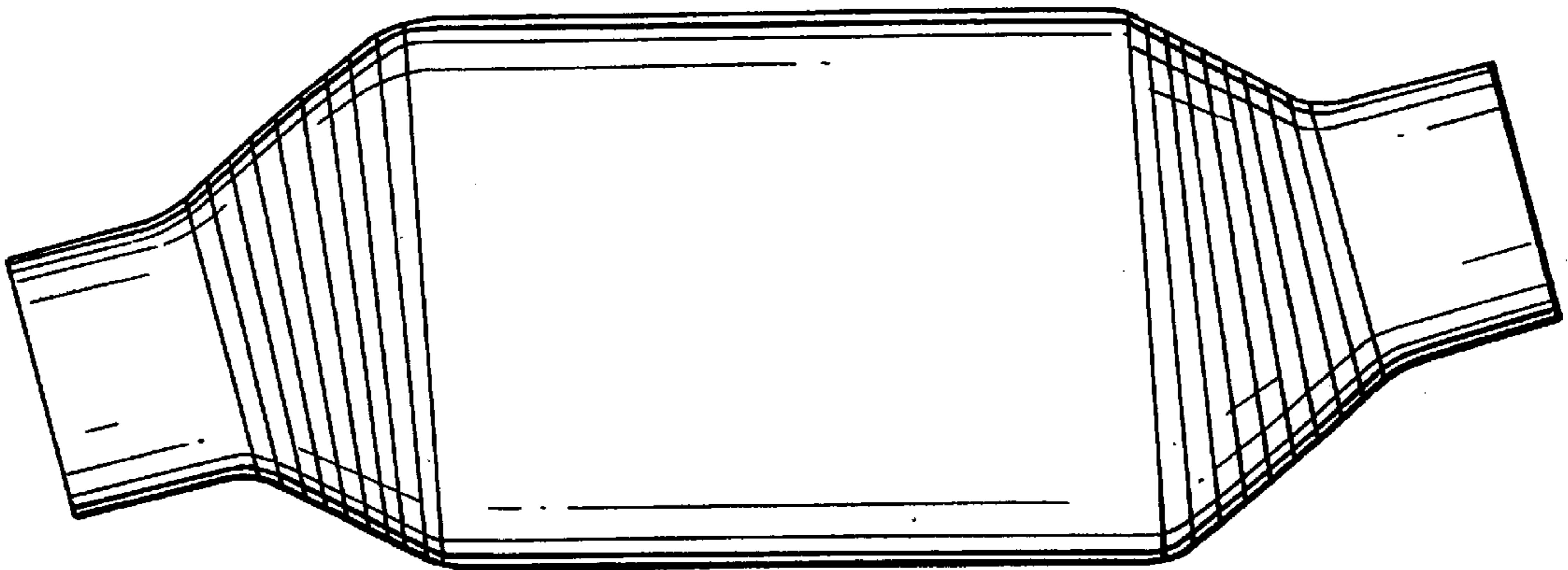


FIG. 2

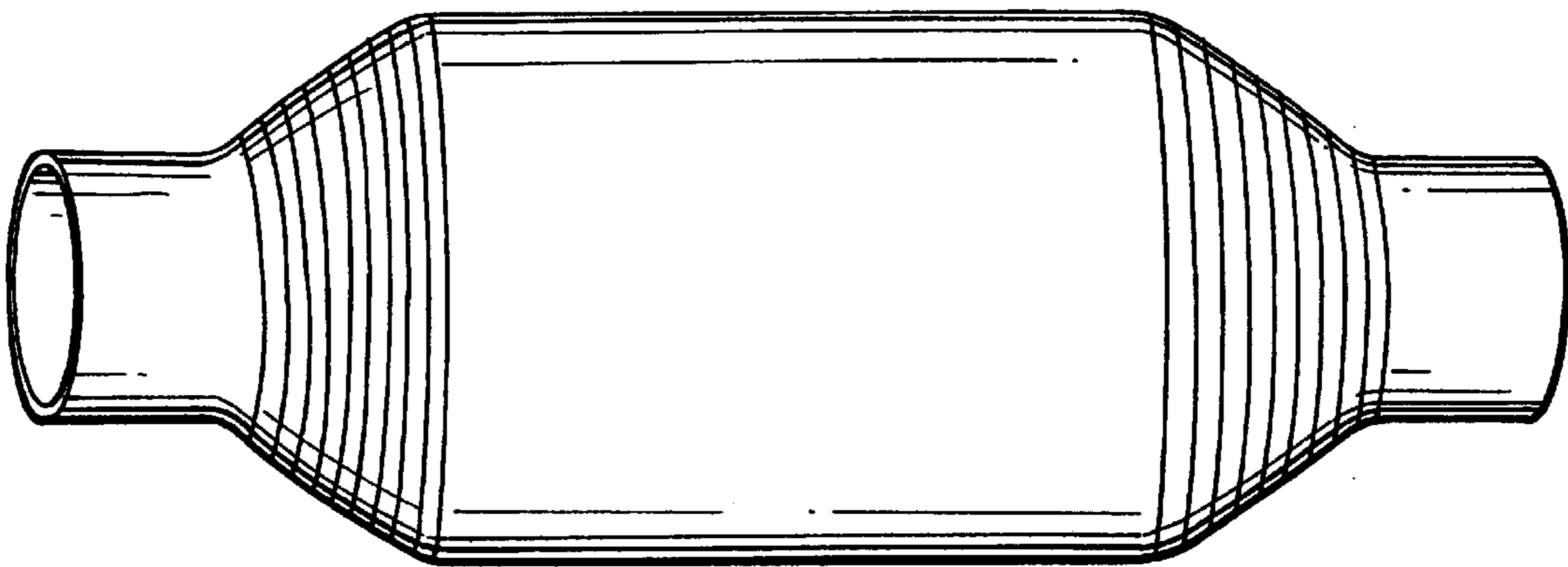


FIG. 3

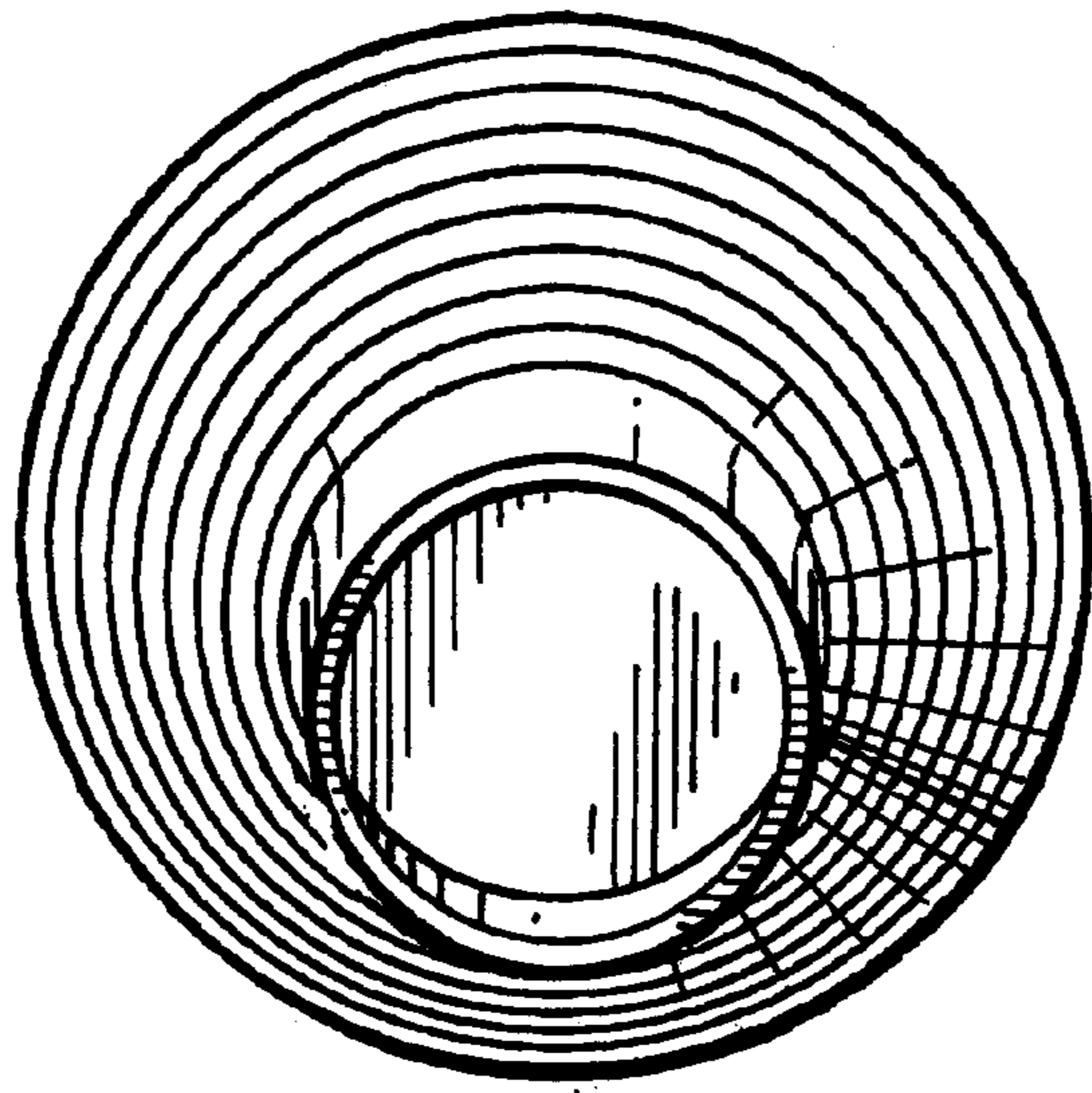


FIG. 4

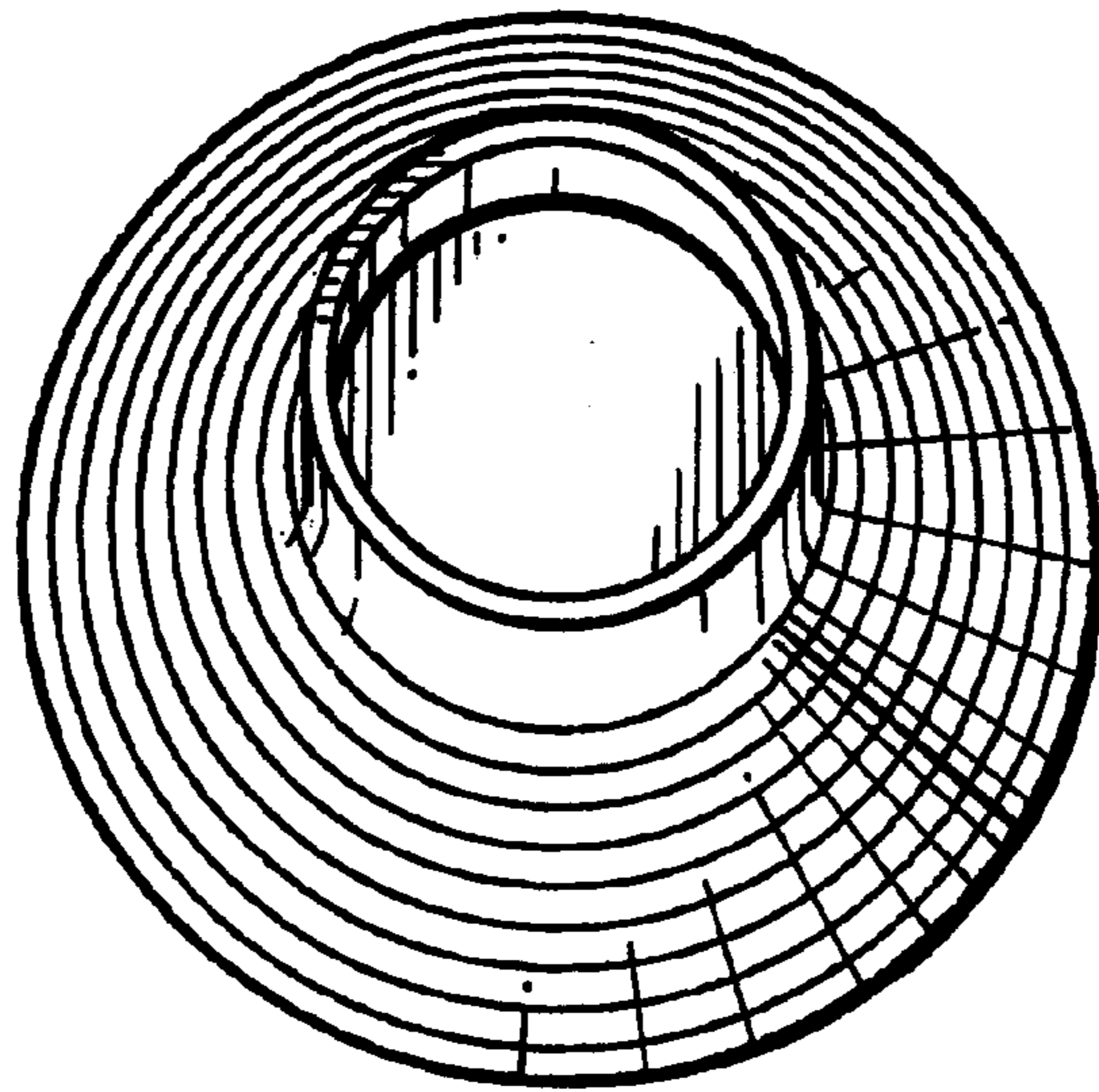


FIG. 5

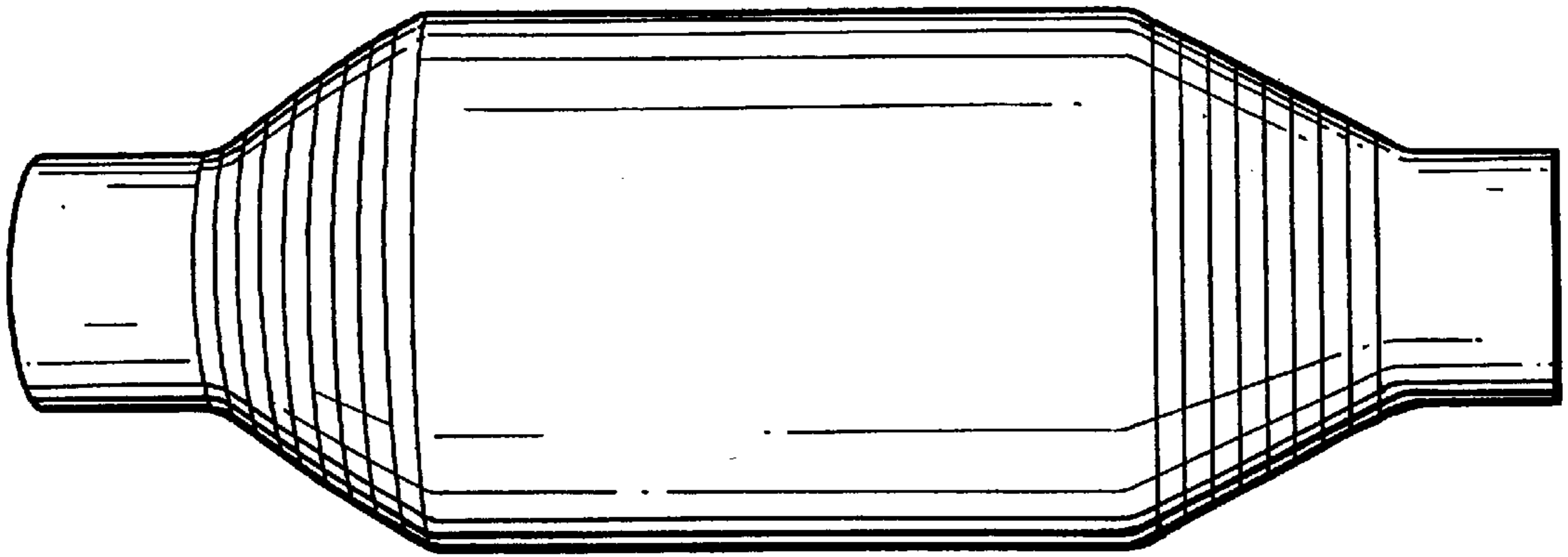


FIG. 6

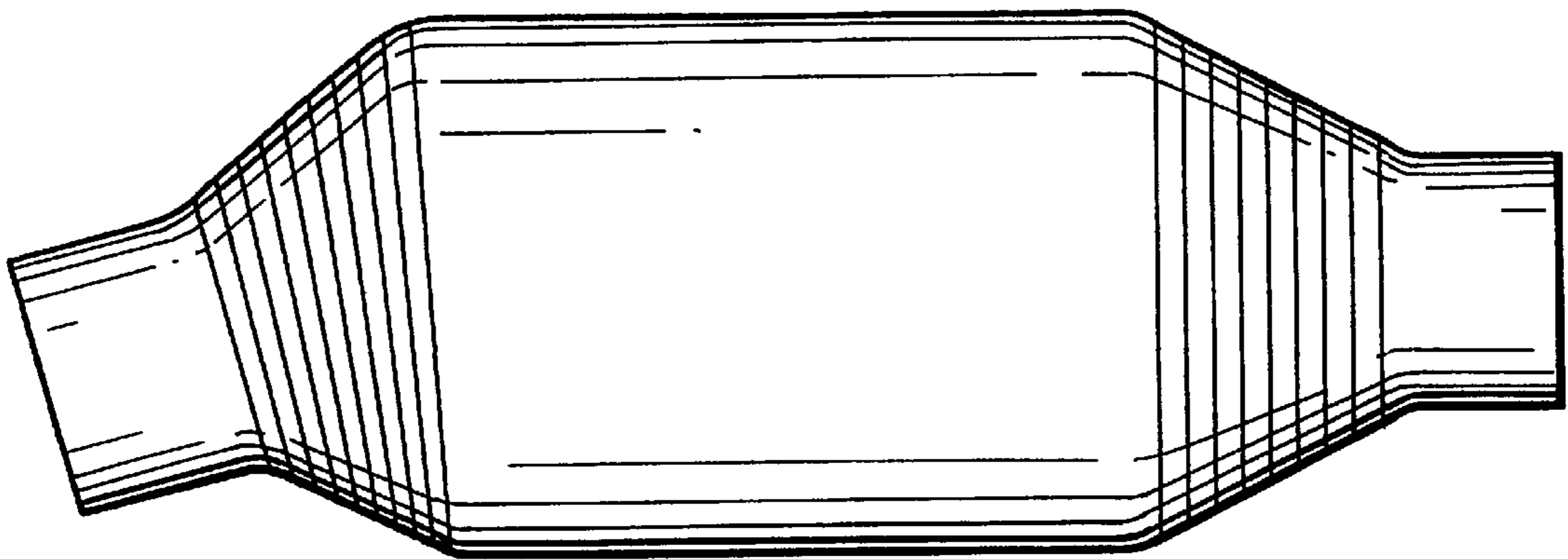


FIG. 7

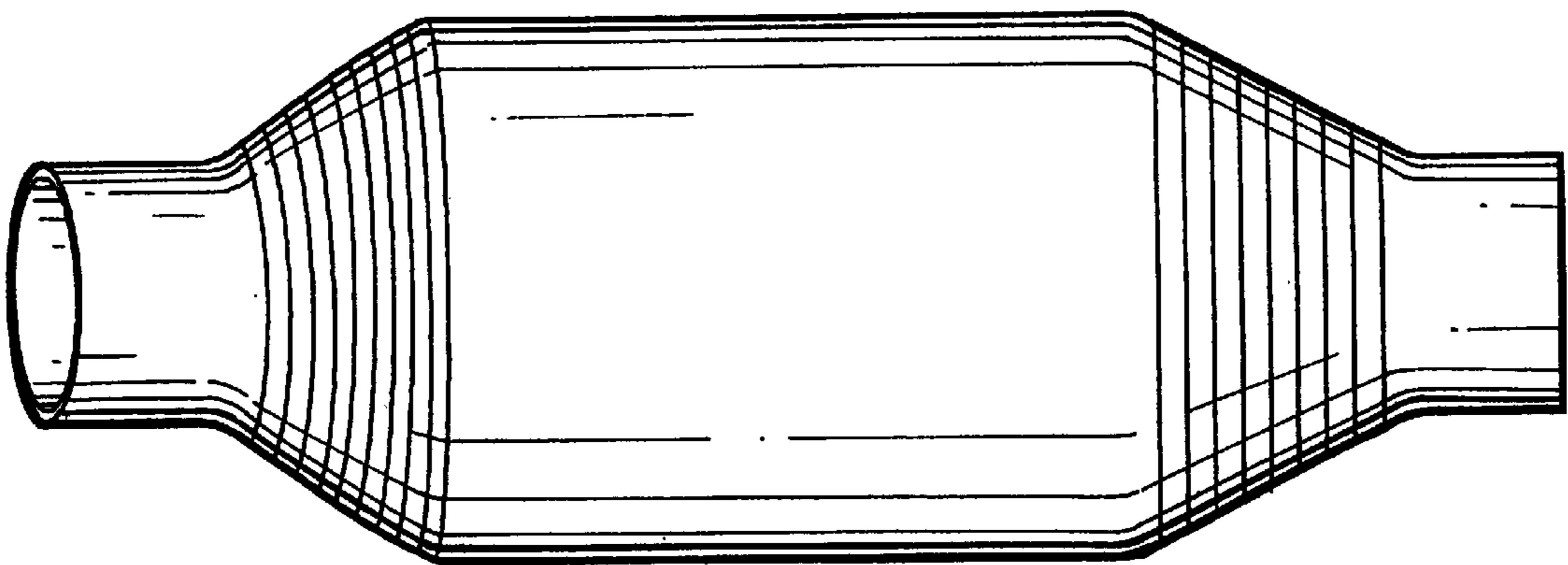


FIG. 8

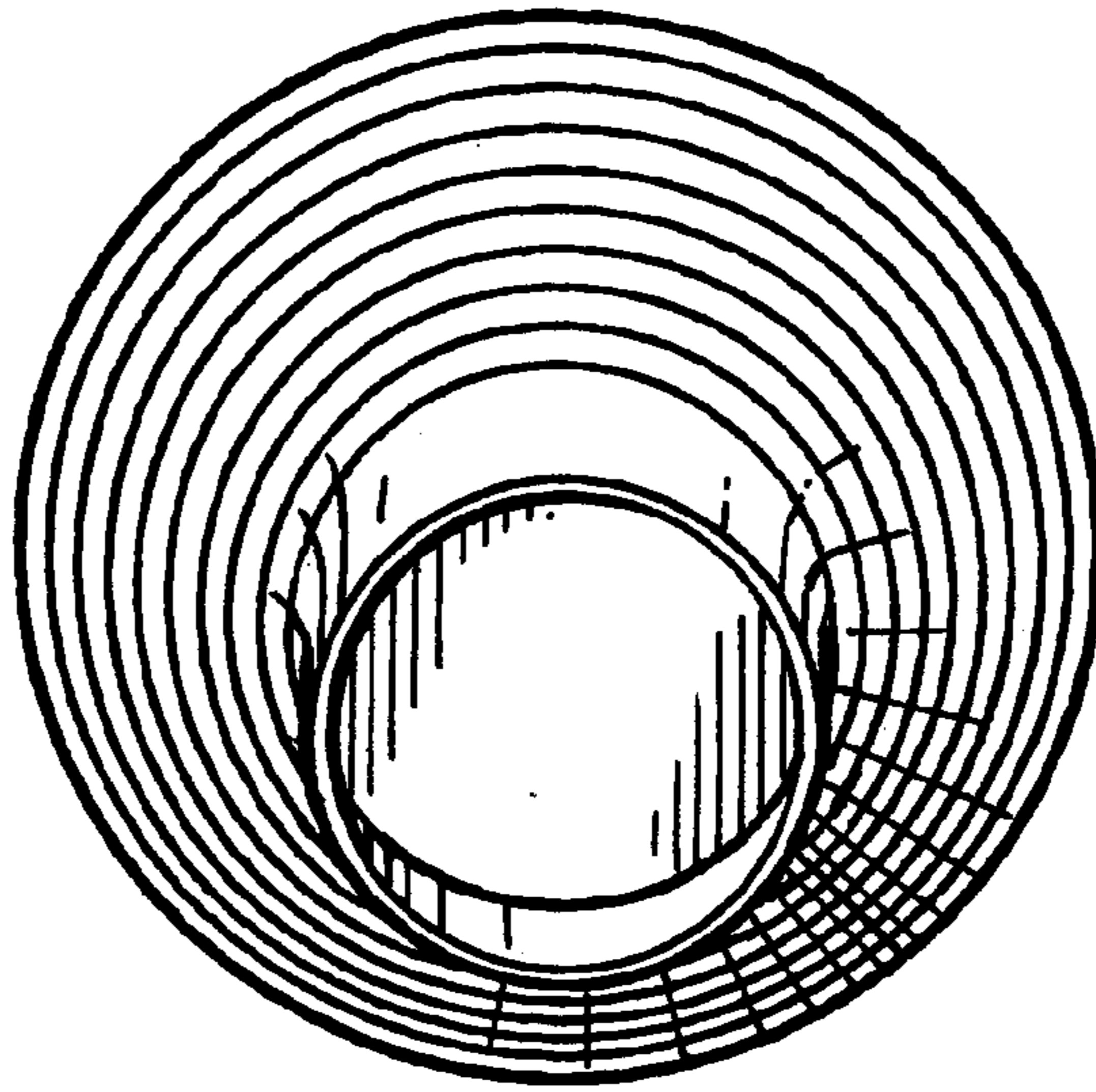


FIG. 9

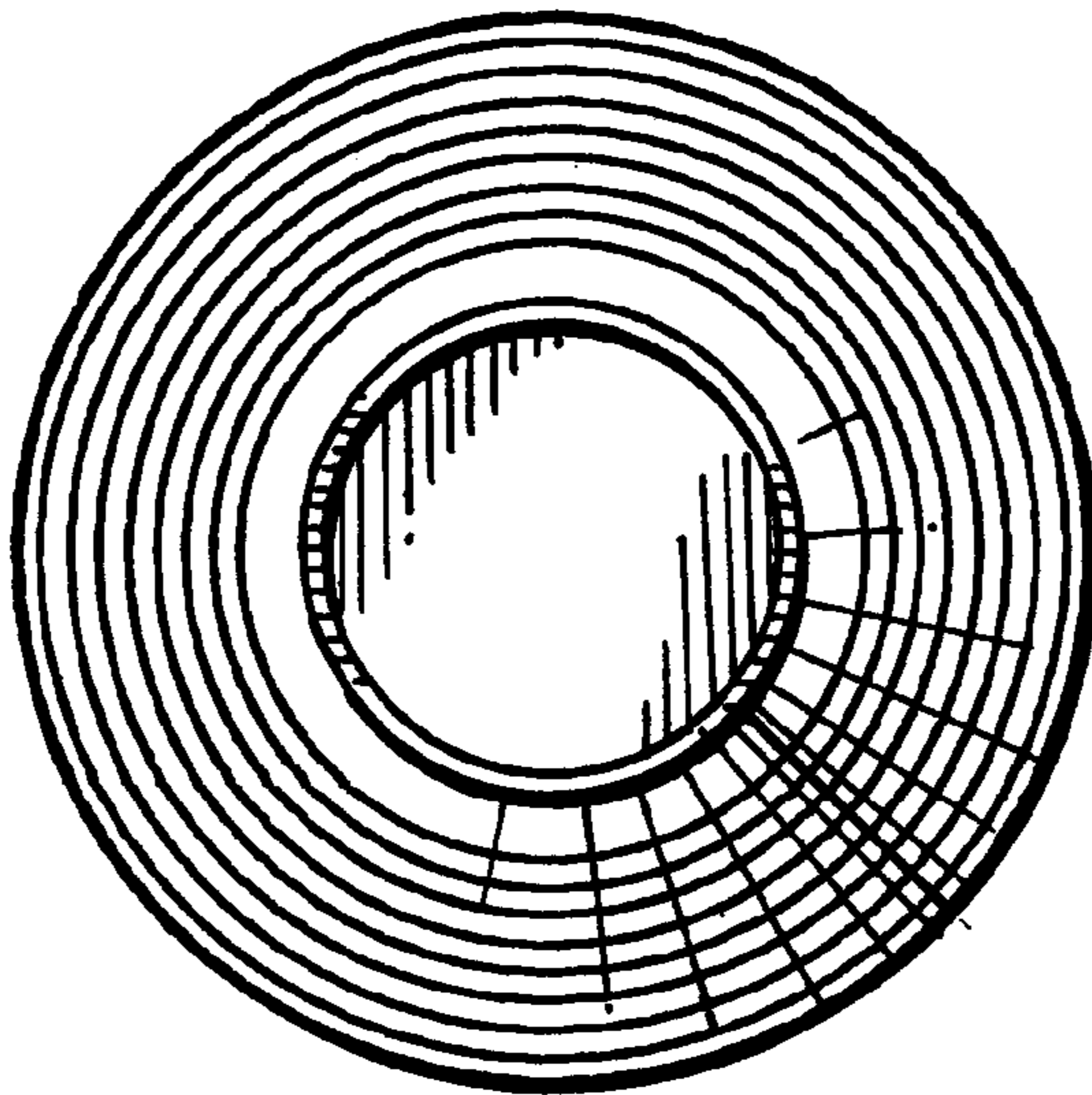


FIG. 10

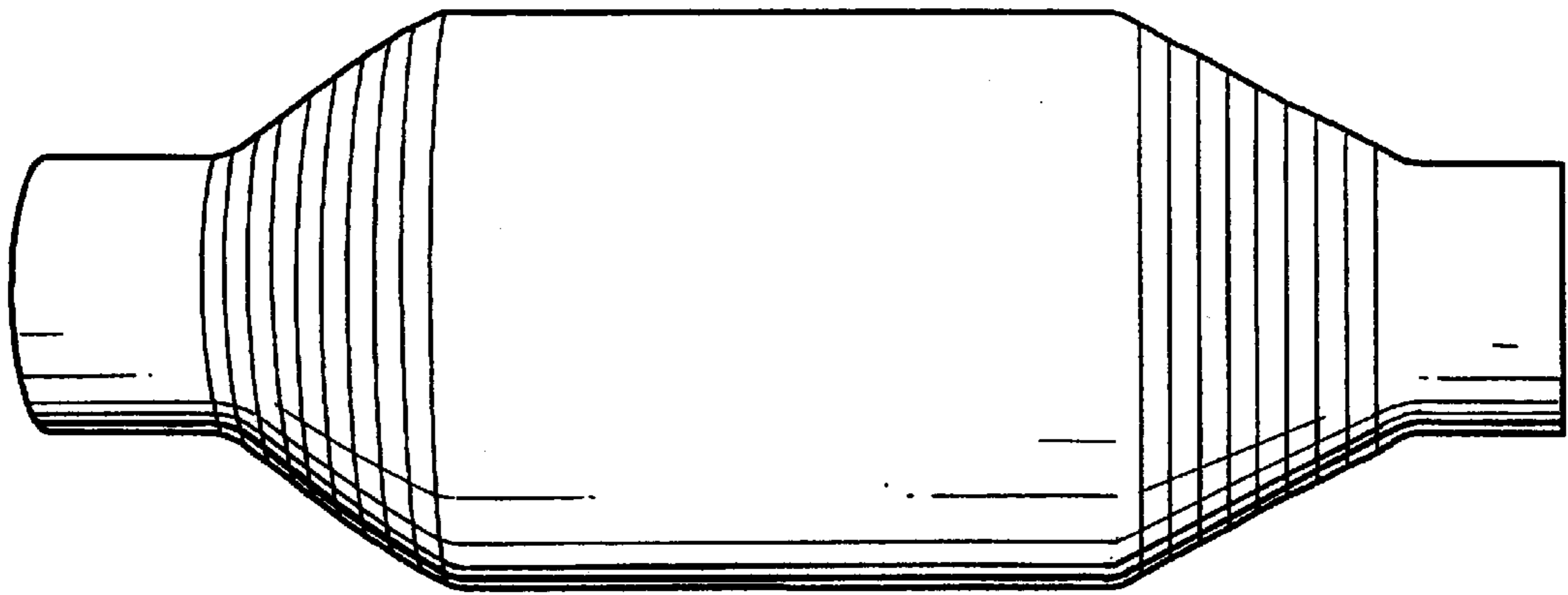


FIG. 11

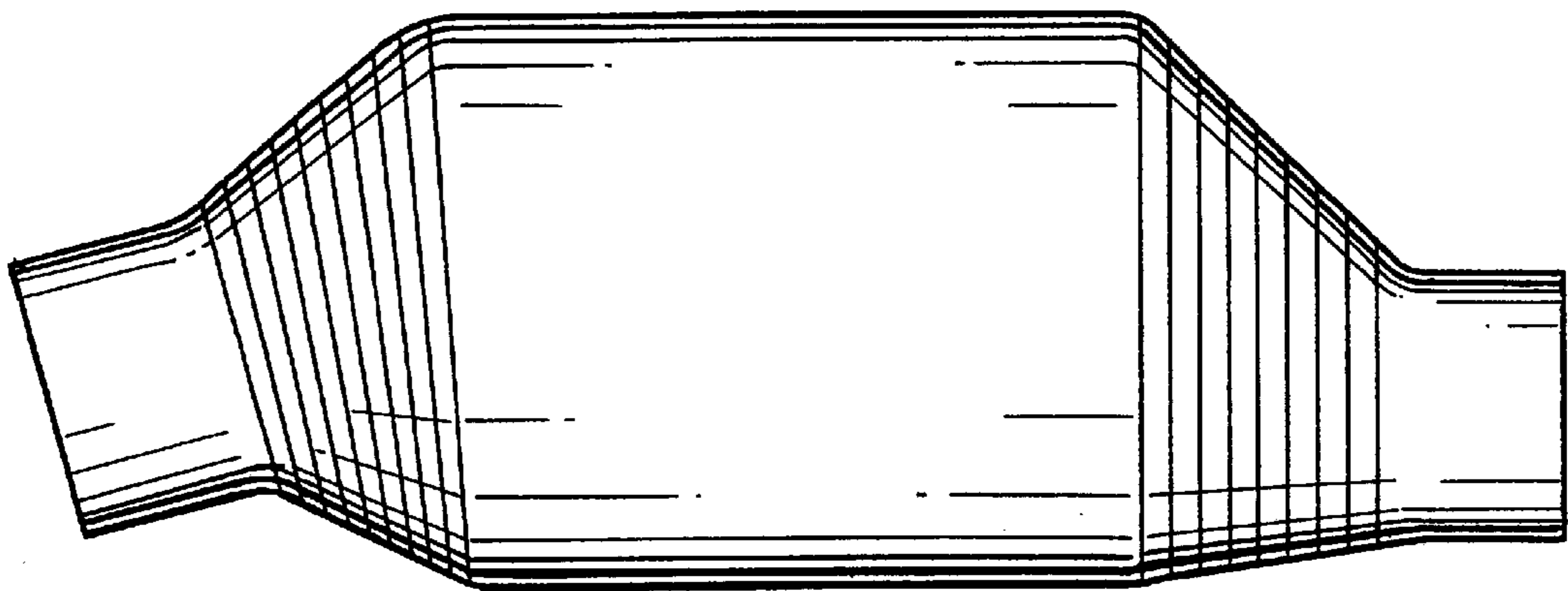


FIG. 12

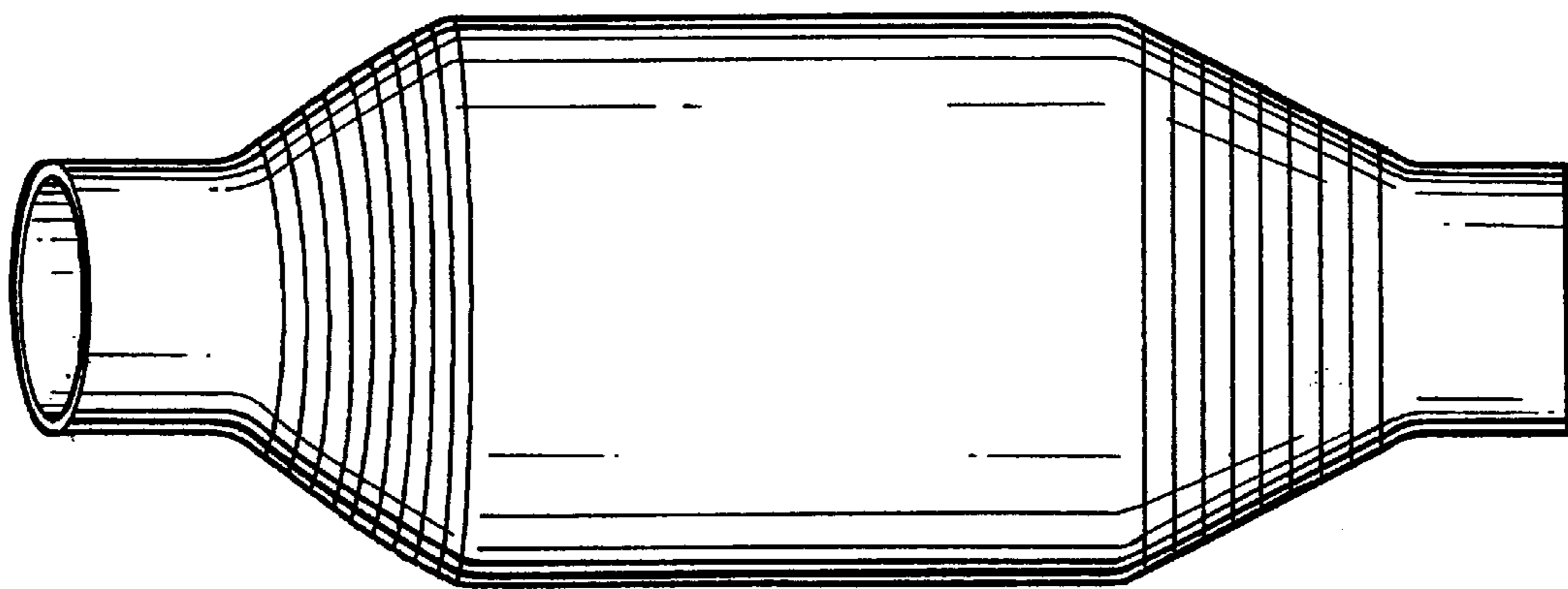


FIG. 13

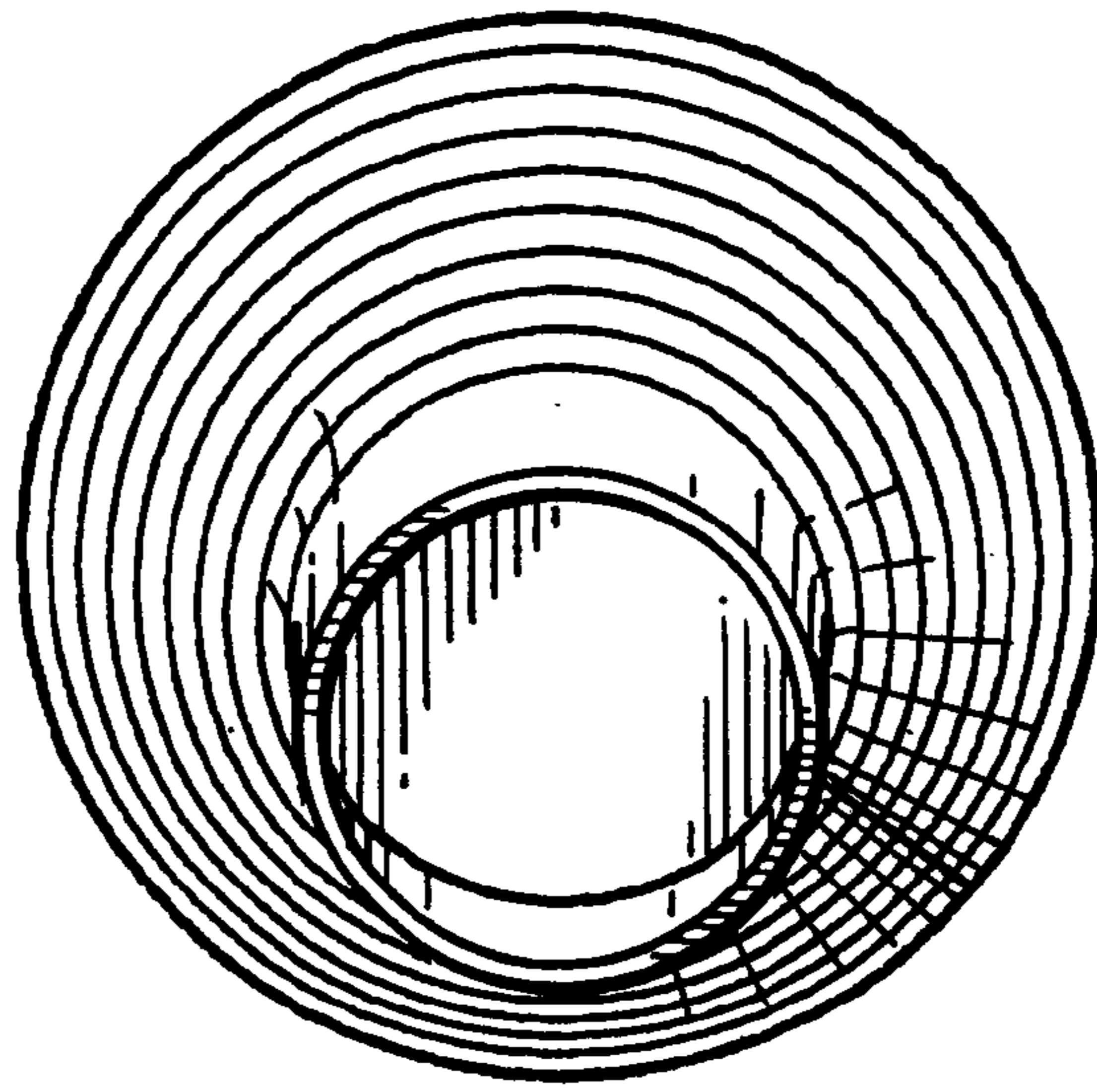


FIG. 14

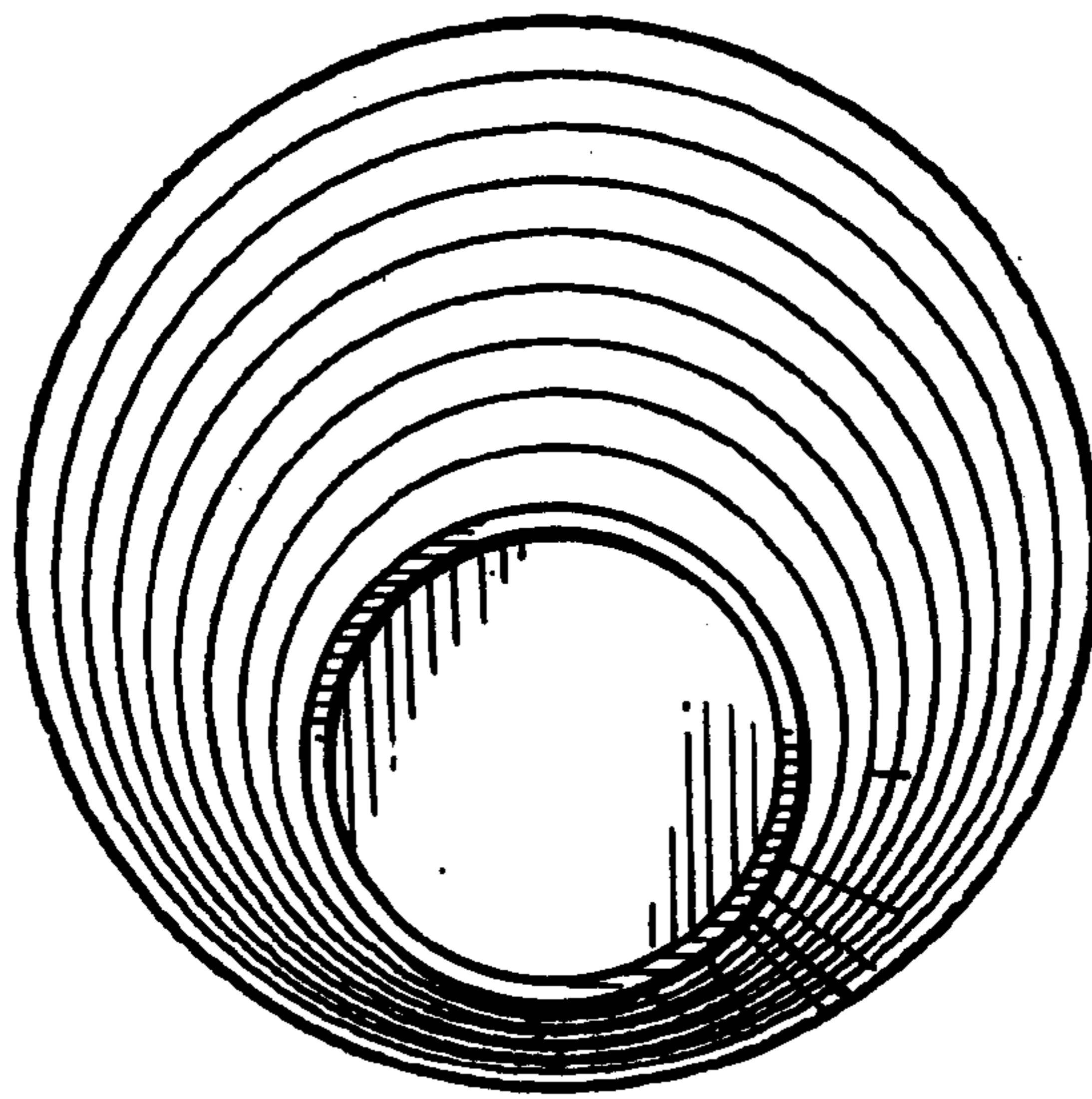


FIG. 15



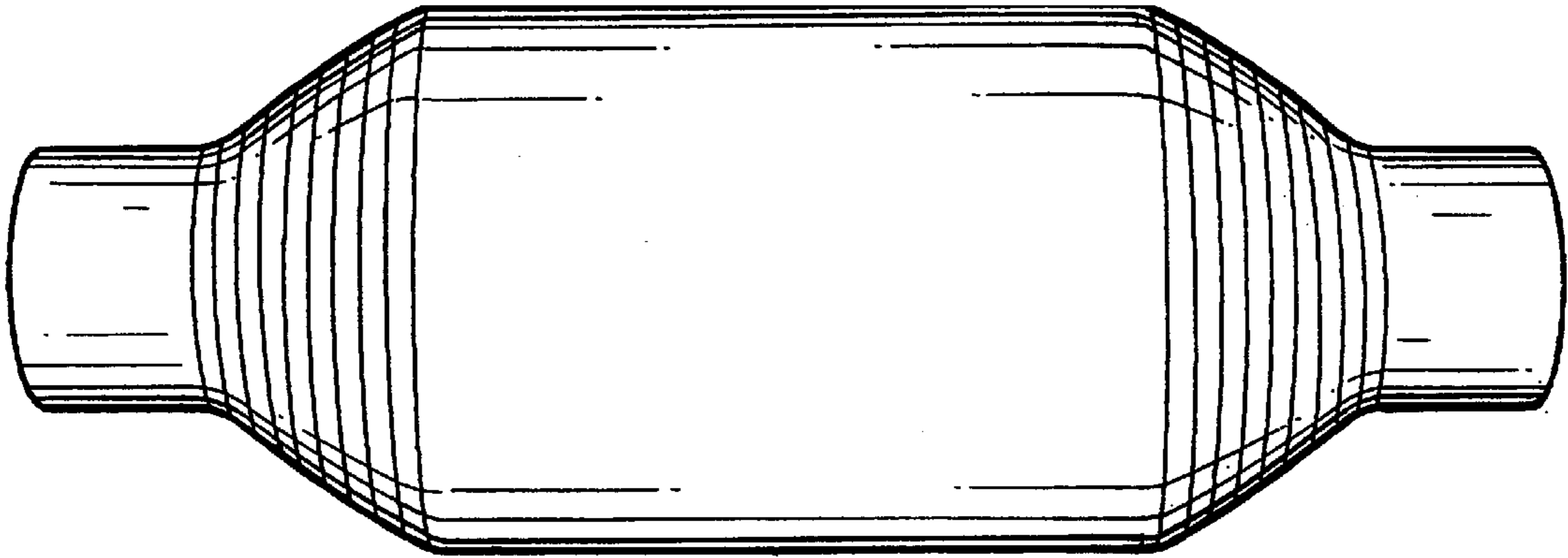


FIG. 16

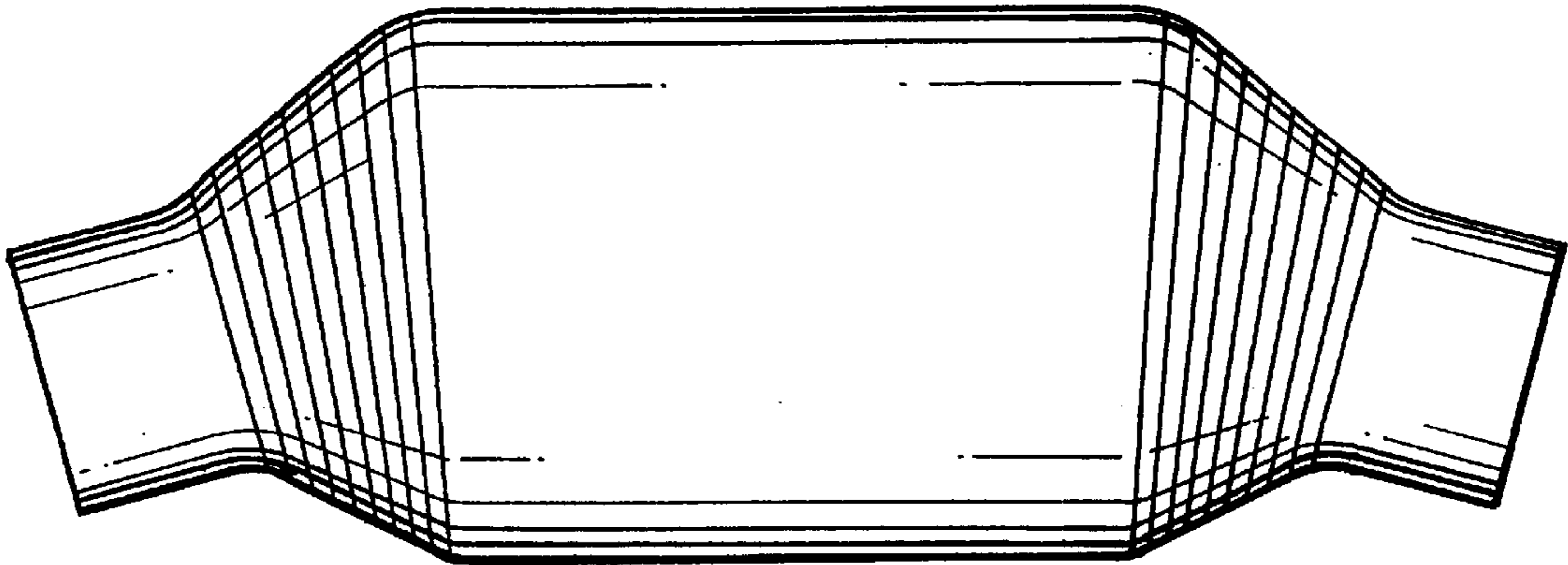


FIG. 17

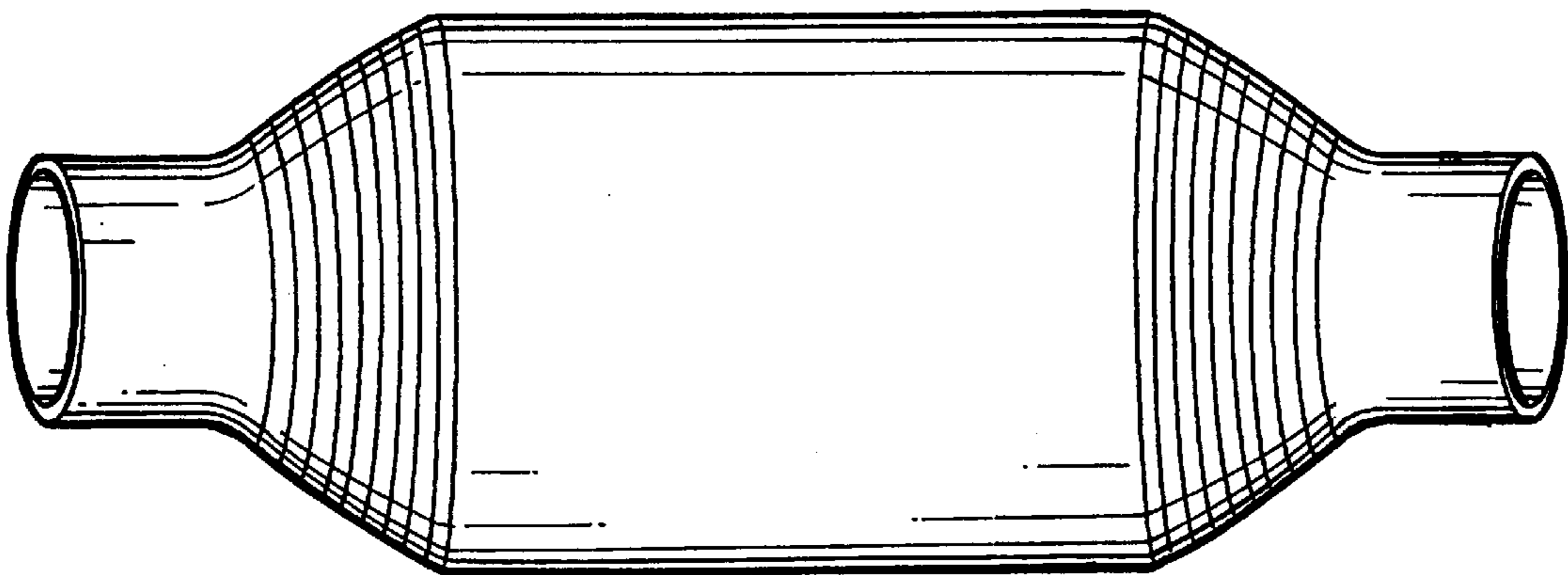
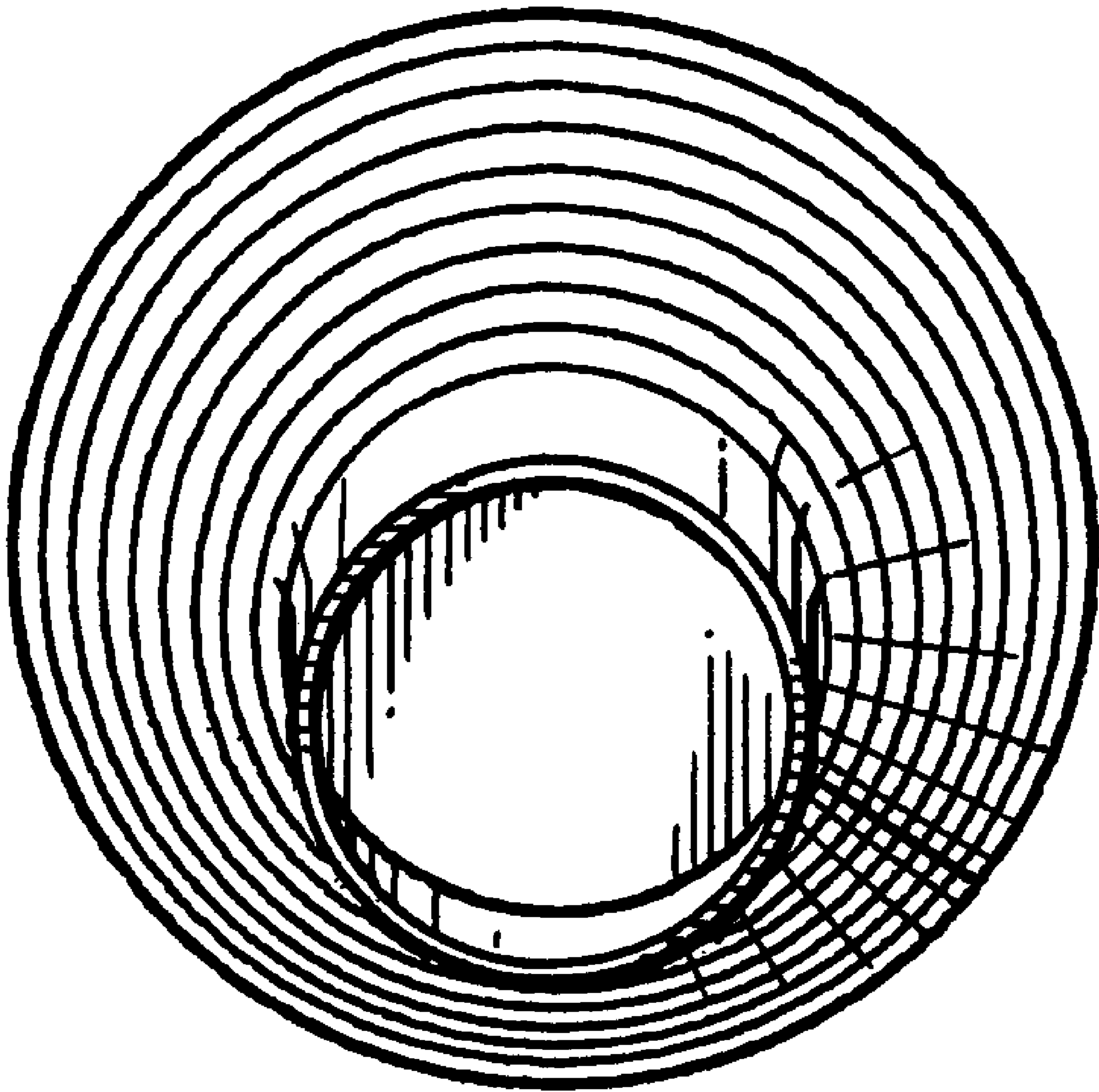


FIG. 18



**FIG. 19**

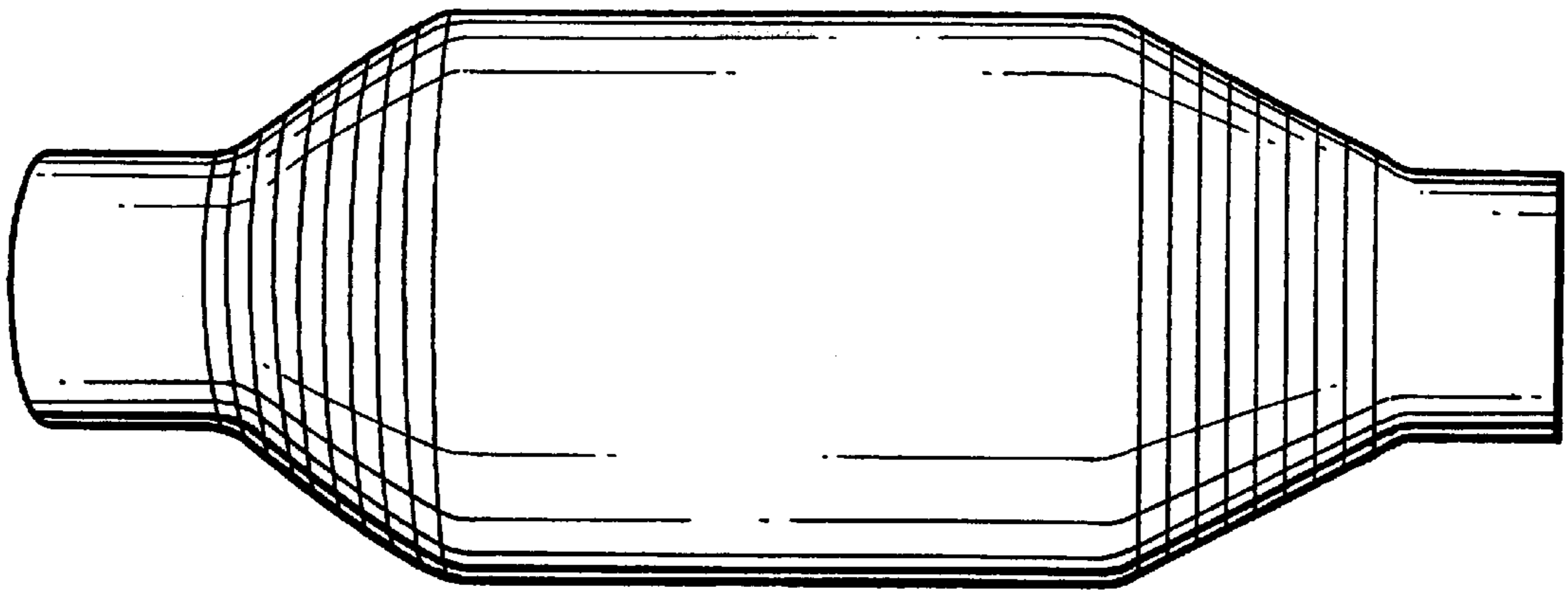


FIG. 20

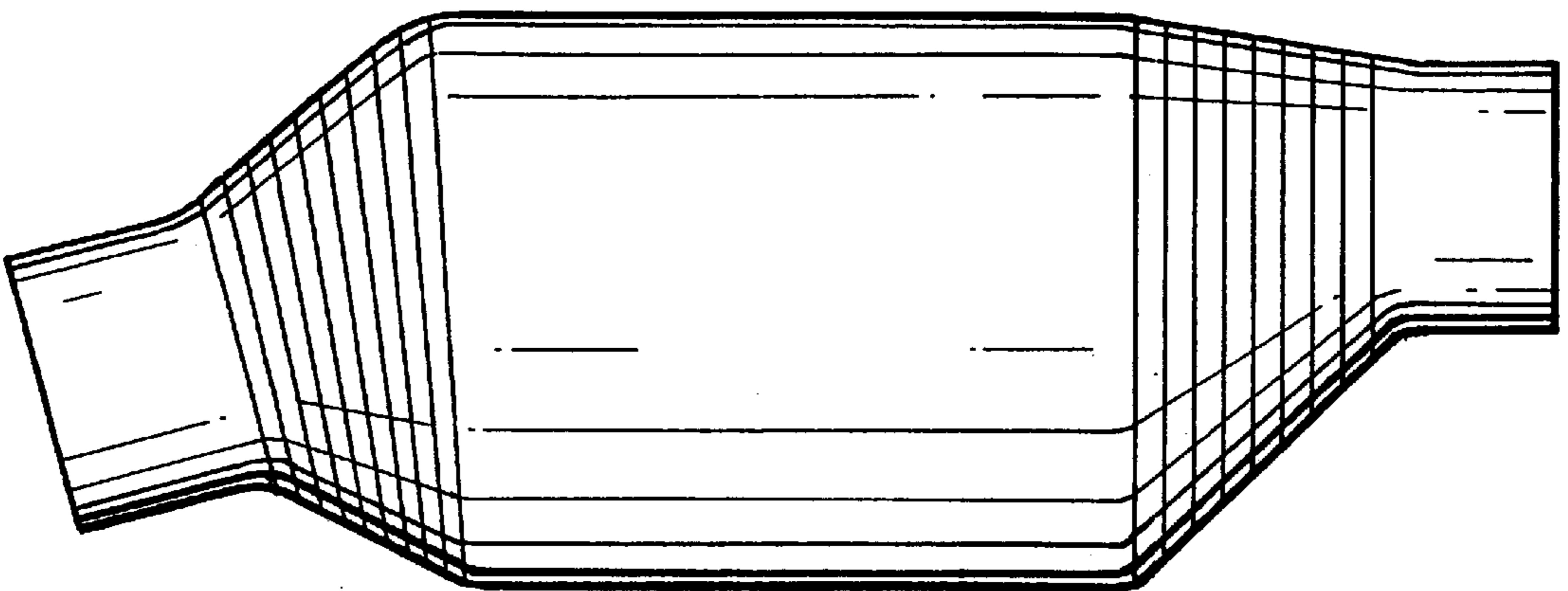


FIG. 21

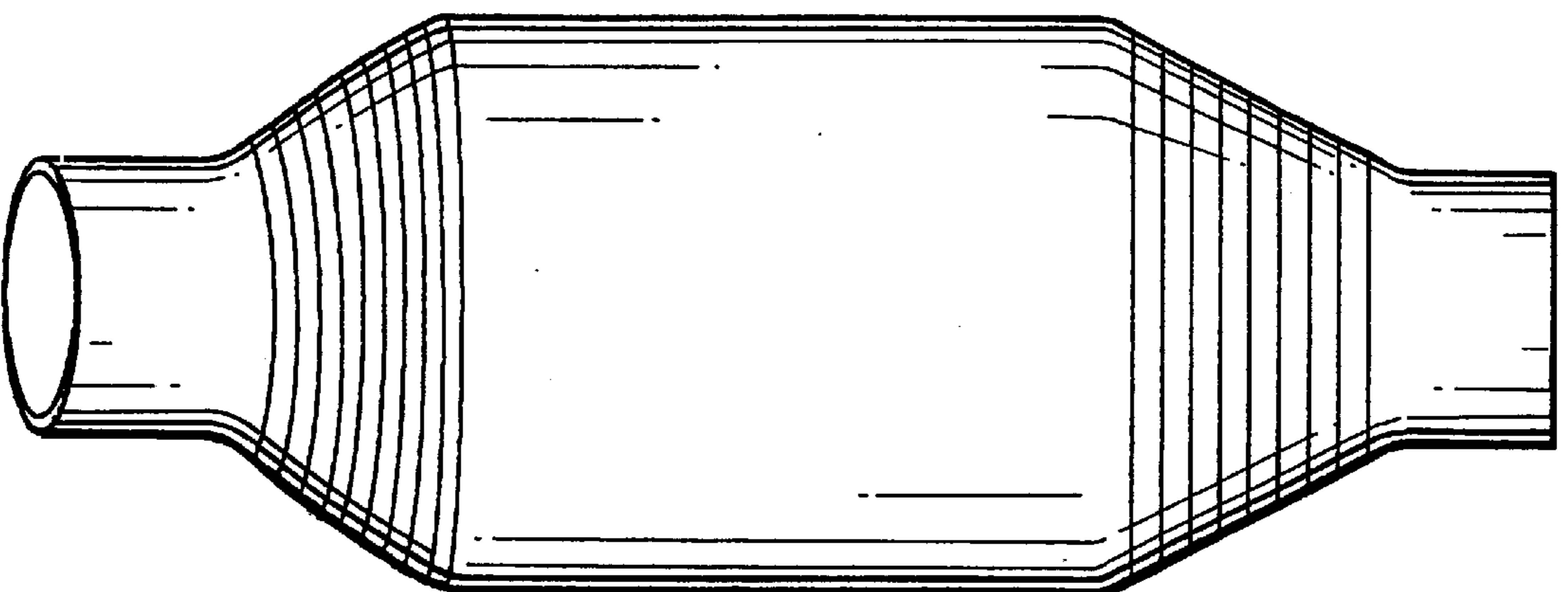


FIG. 22

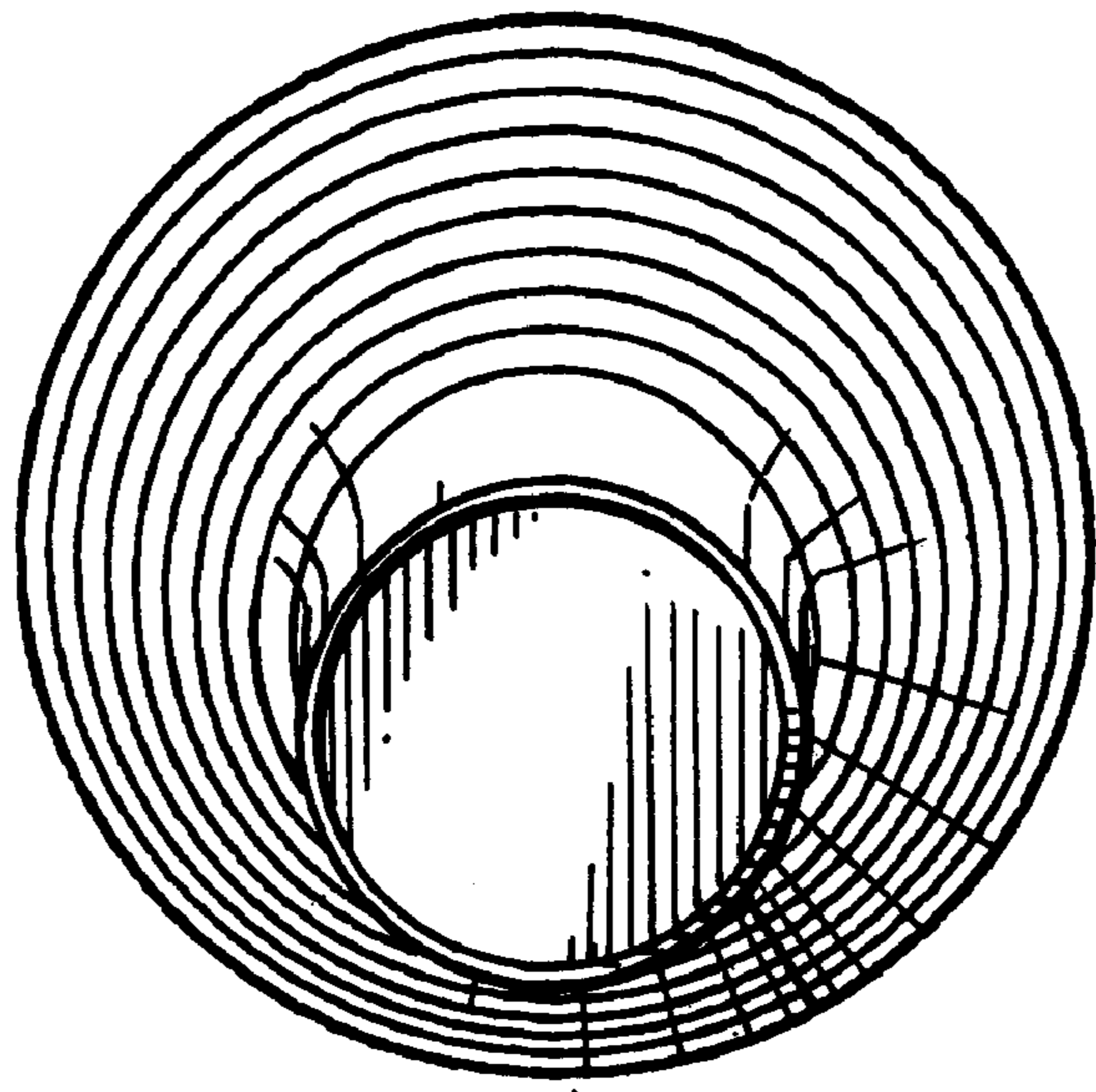


FIG. 23

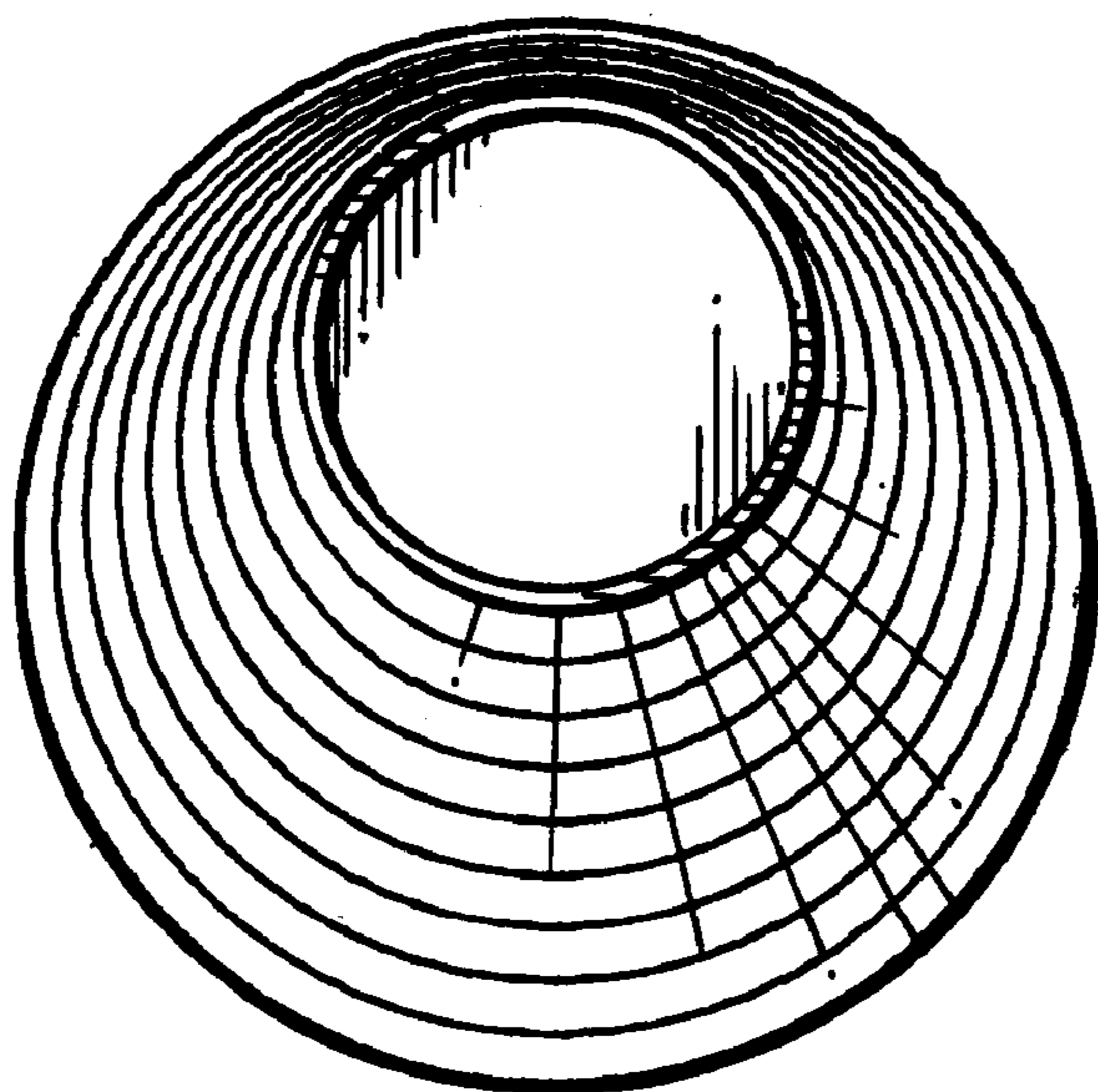


FIG. 24