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

(10) **Patent No.:** **US D772,191 S**

(45) **Date of Patent:** **\*\* Nov. 22, 2016**

(54) **MULTI-LAYER VOICE MUFFLER**  
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(72) Inventor: **Mark Ludwig**, Munich (DE)  
(\*\*) Term: **14 Years**  
(21) Appl. No.: **29/474,680**

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*Primary Examiner* — Ian Simmons  
*Assistant Examiner* — Janice Lim

(57) **CLAIM**

The ornamental design for a multi-layer voice muffler, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of embodiment one, of a multi-layer voice muffler, showing my new design; FIG. 2 is a top plan view thereof; FIG. 3 is a bottom plan view thereof, side and opposite side elevational views being mirror images thereof; FIG. 4 is a front elevational view thereof; FIG. 5 is a rear elevational view thereof; FIG. 6 is an exploded top plan view thereof, shown in unassembled condition, and the exploded bottom plan view being a mirror image thereof; FIG. 7 is a perspective view of embodiment two, of a multi-layer voice muffler, showing my new design; FIG. 8 is a top plan view thereof; FIG. 9 is a bottom plan view thereof, side and opposite side elevational views being mirror images thereof; FIG. 10 is a front elevational view thereof; FIG. 11 is a rear elevational view thereof; and, FIG. 12 is an exploded top plan view thereof, shown in unassembled condition, and the exploded bottom plan view being a mirror image thereof.

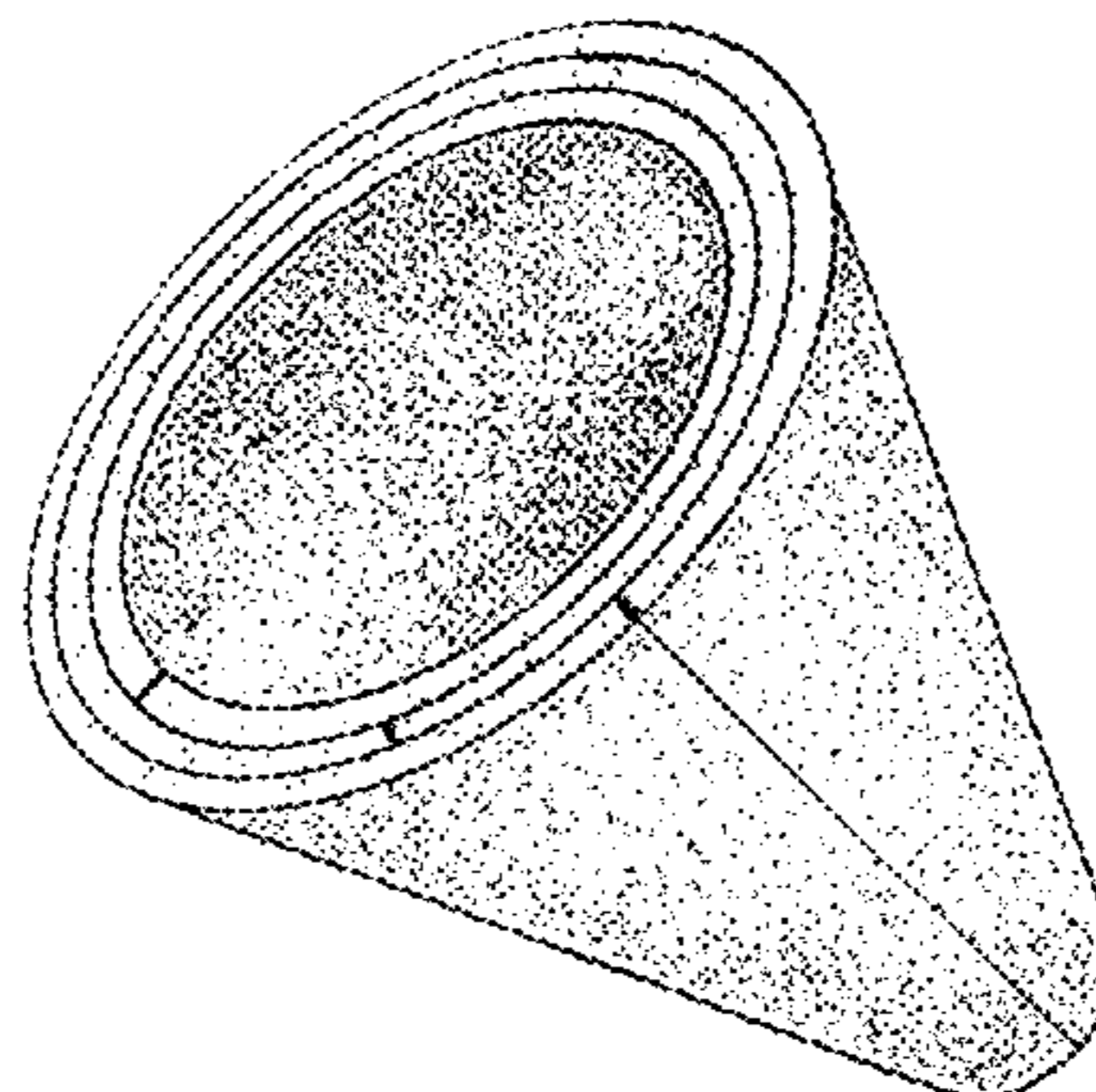
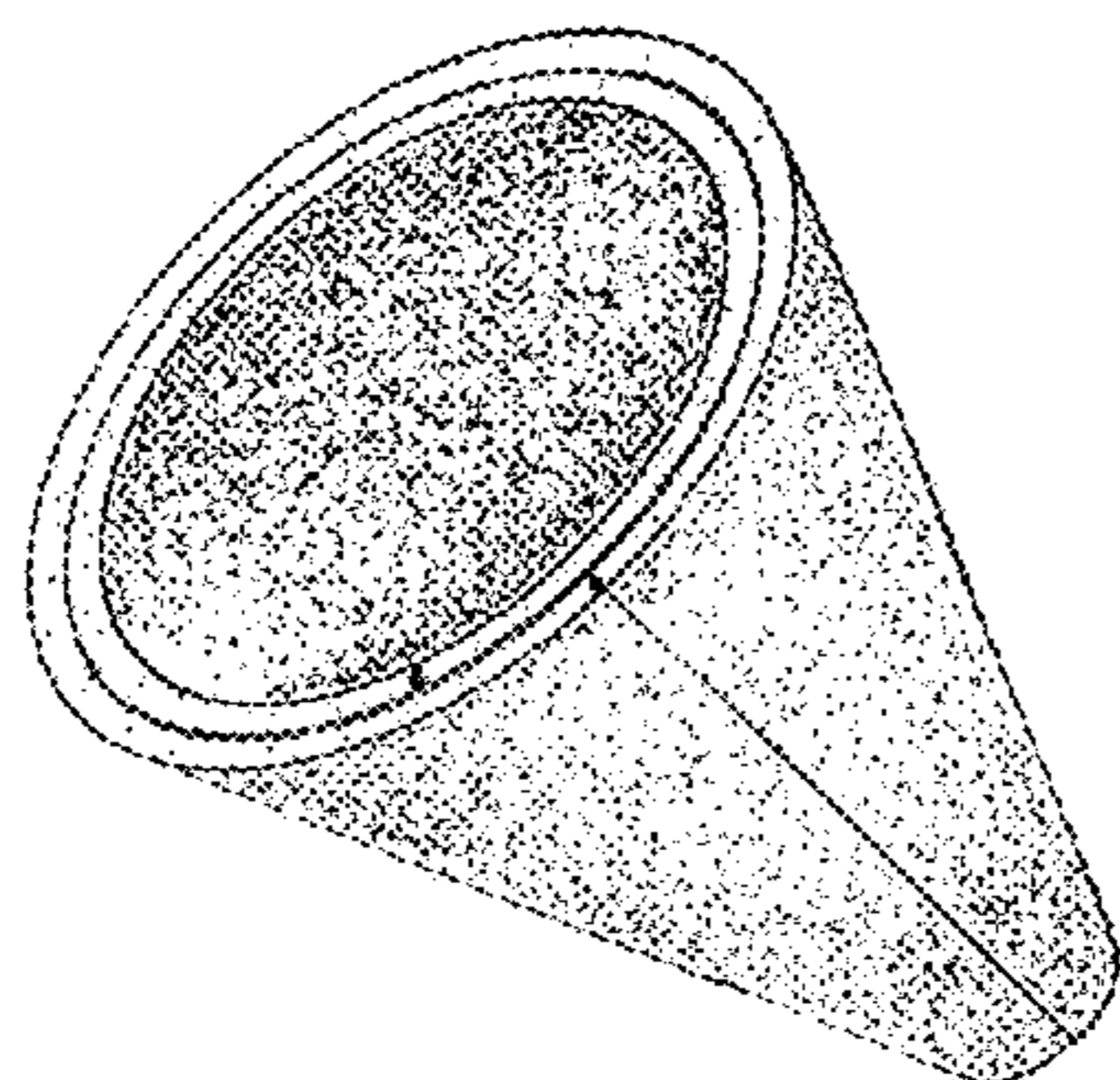
**1 Claim, 4 Drawing Sheets**

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(51) **LOC (10) Cl.** ..... **14-03**  
(52) **U.S. Cl.**  
USPC ..... **D14/187**  
(58) **Field of Classification Search**  
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D14/221, 222; 181/144, 147, 148, 150,  
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359/805, 809–811; 381/24, 88–90, 153,  
381/159, 182, 203–205  
CPC ..... G10K 11/08; G10K 11/16; H04B 1/38;  
H04M 1/00; H04M 1/19  
See application file for complete search history.

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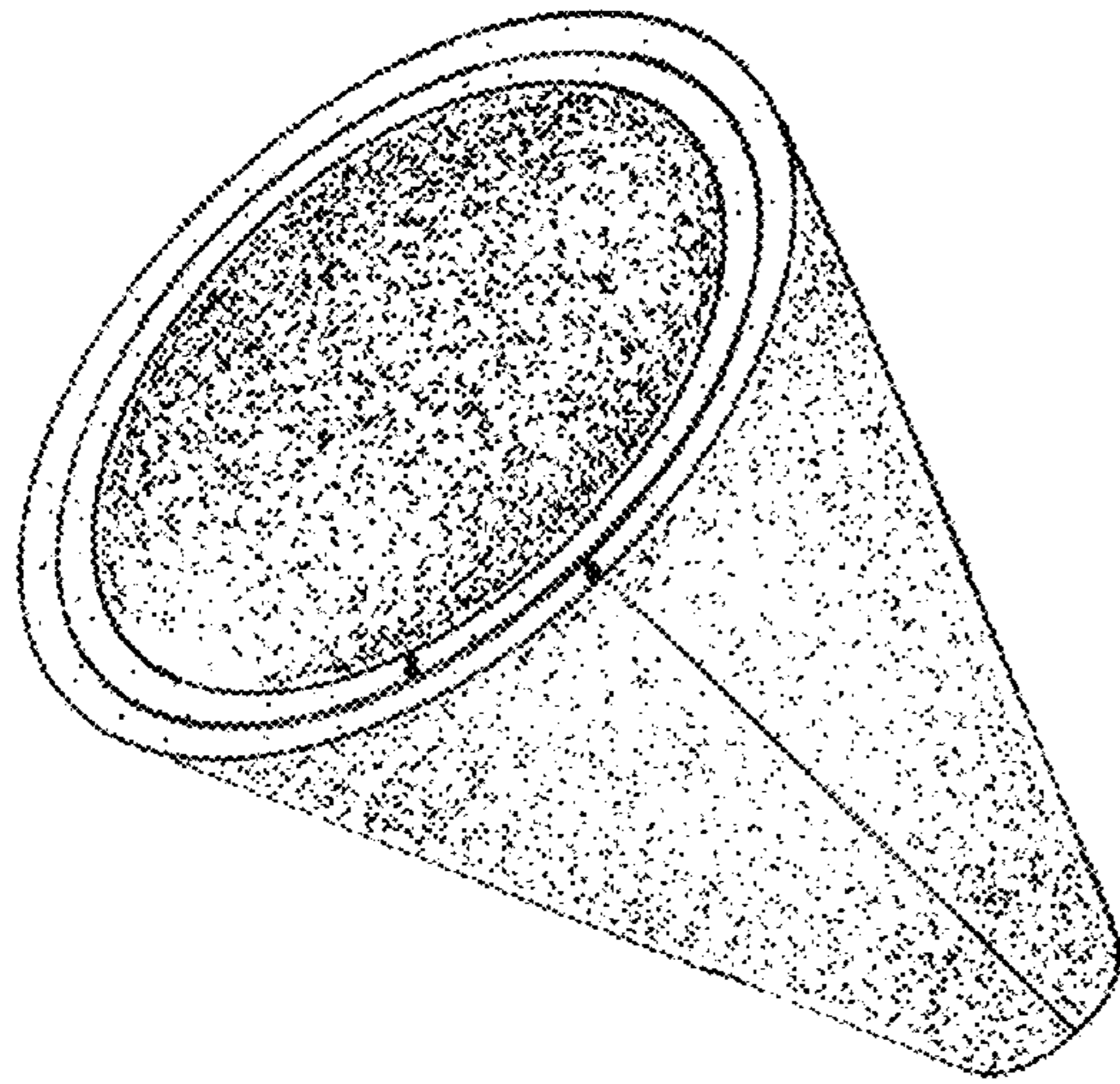


FIG. 1

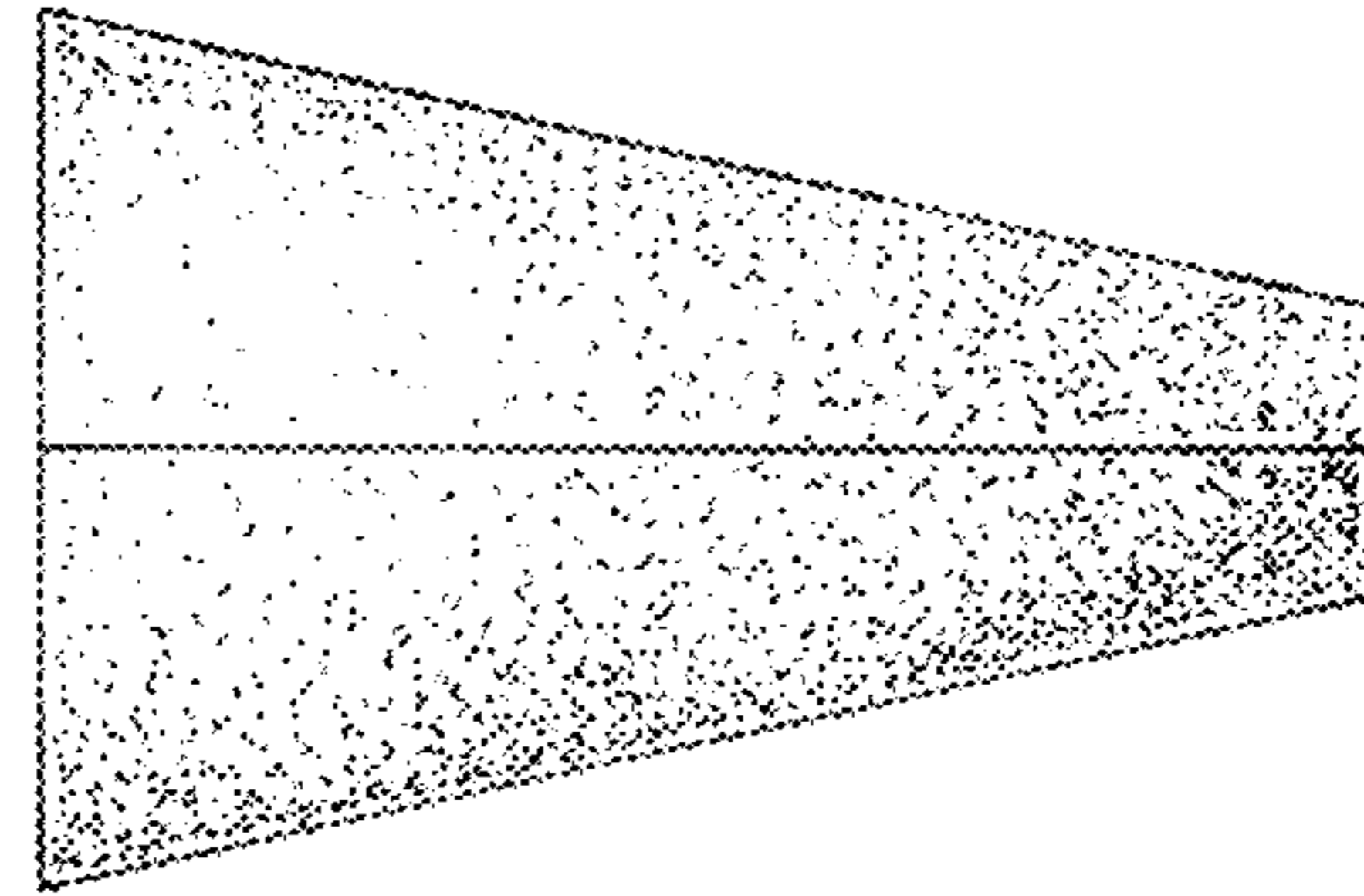


FIG. 2

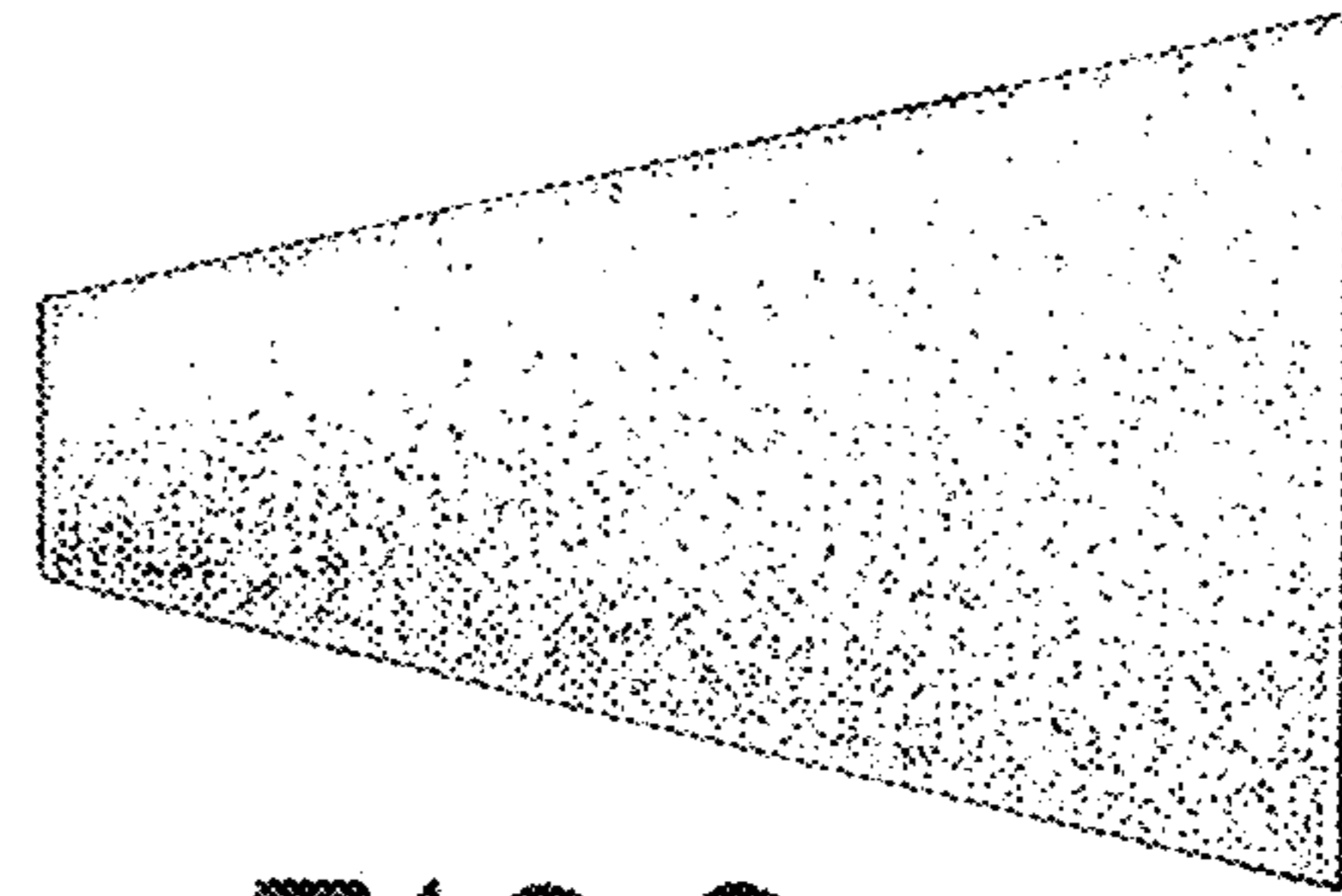


FIG. 3

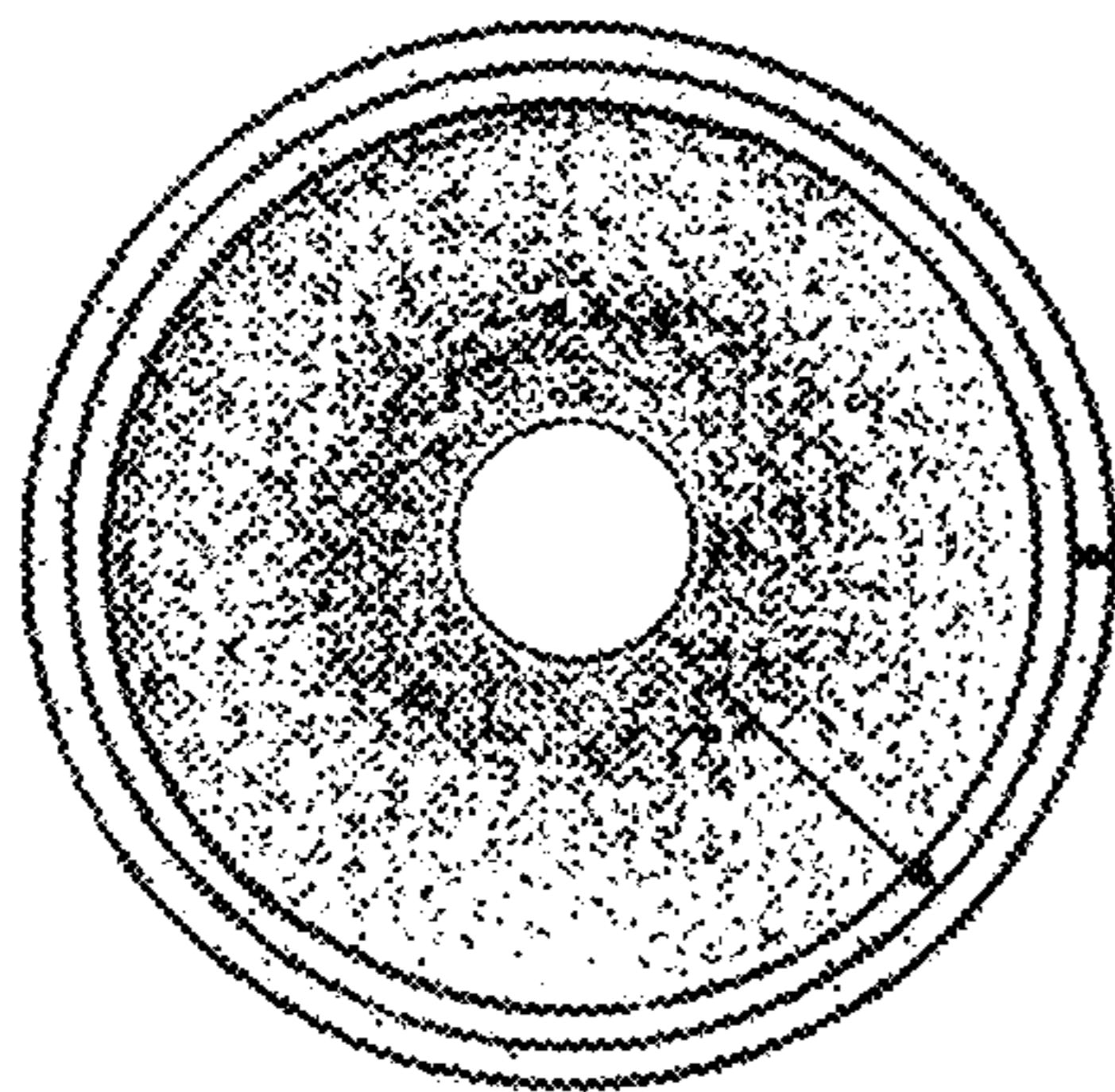


FIG. 4

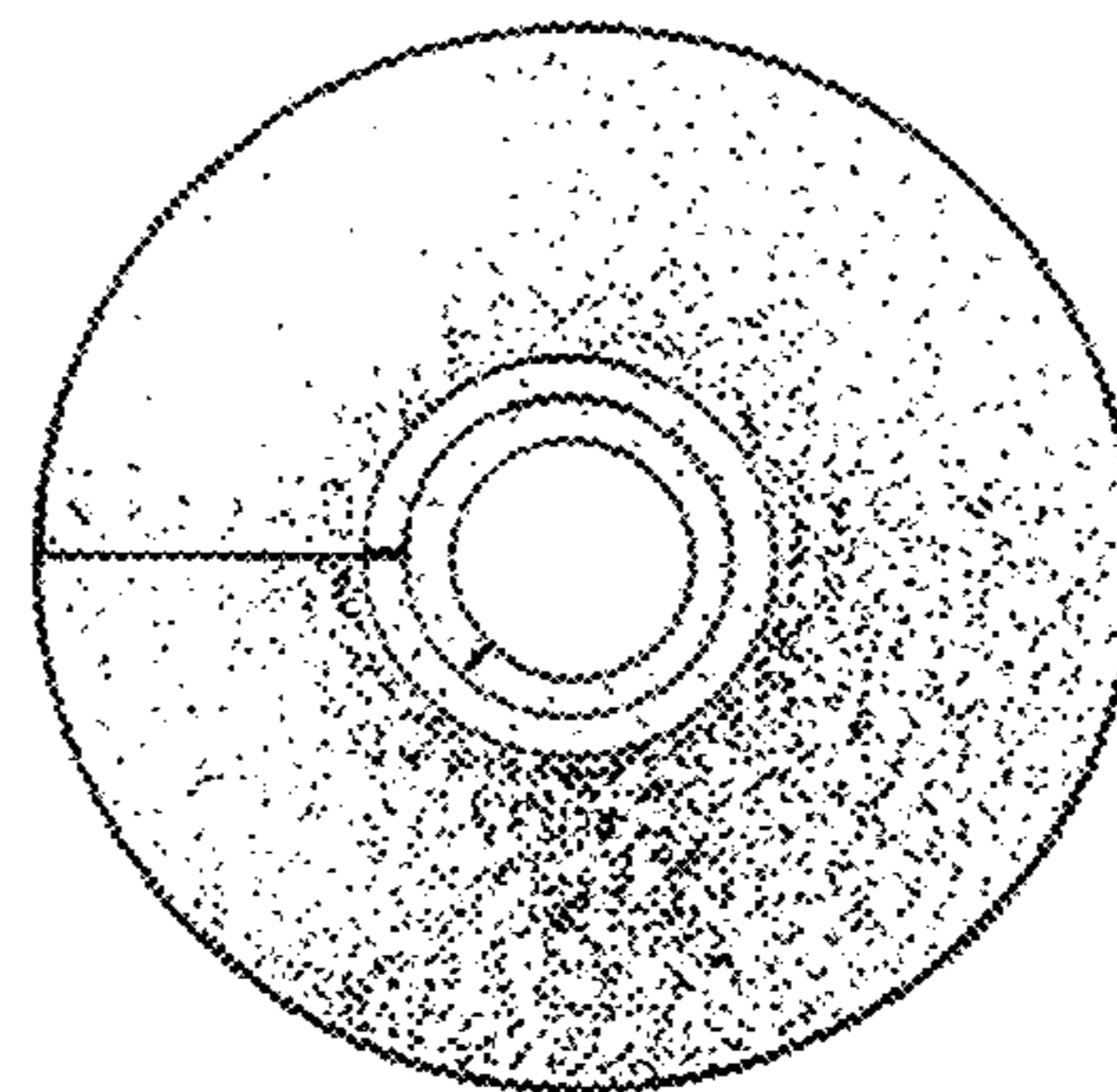


FIG. 5

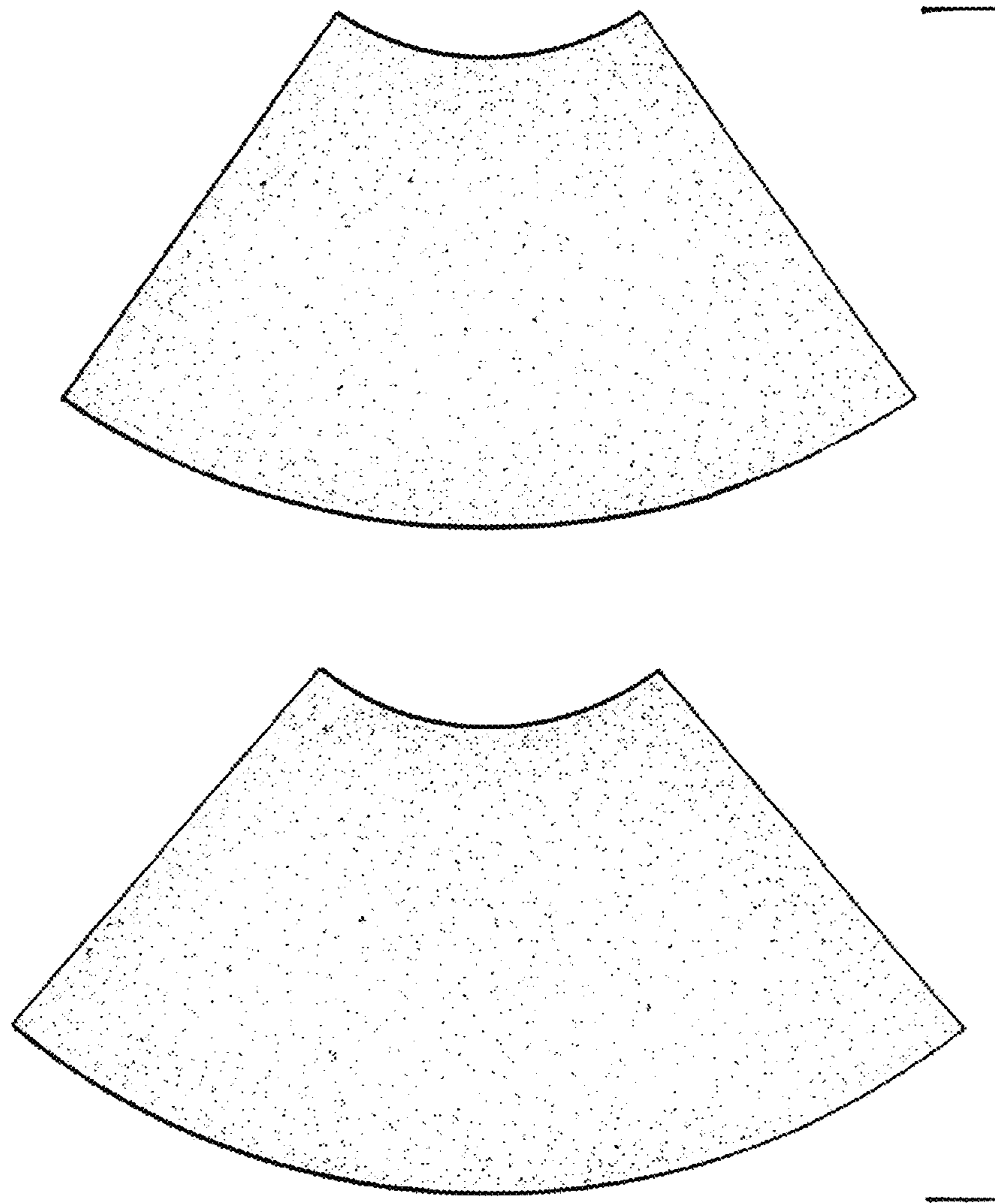


FIG. 6



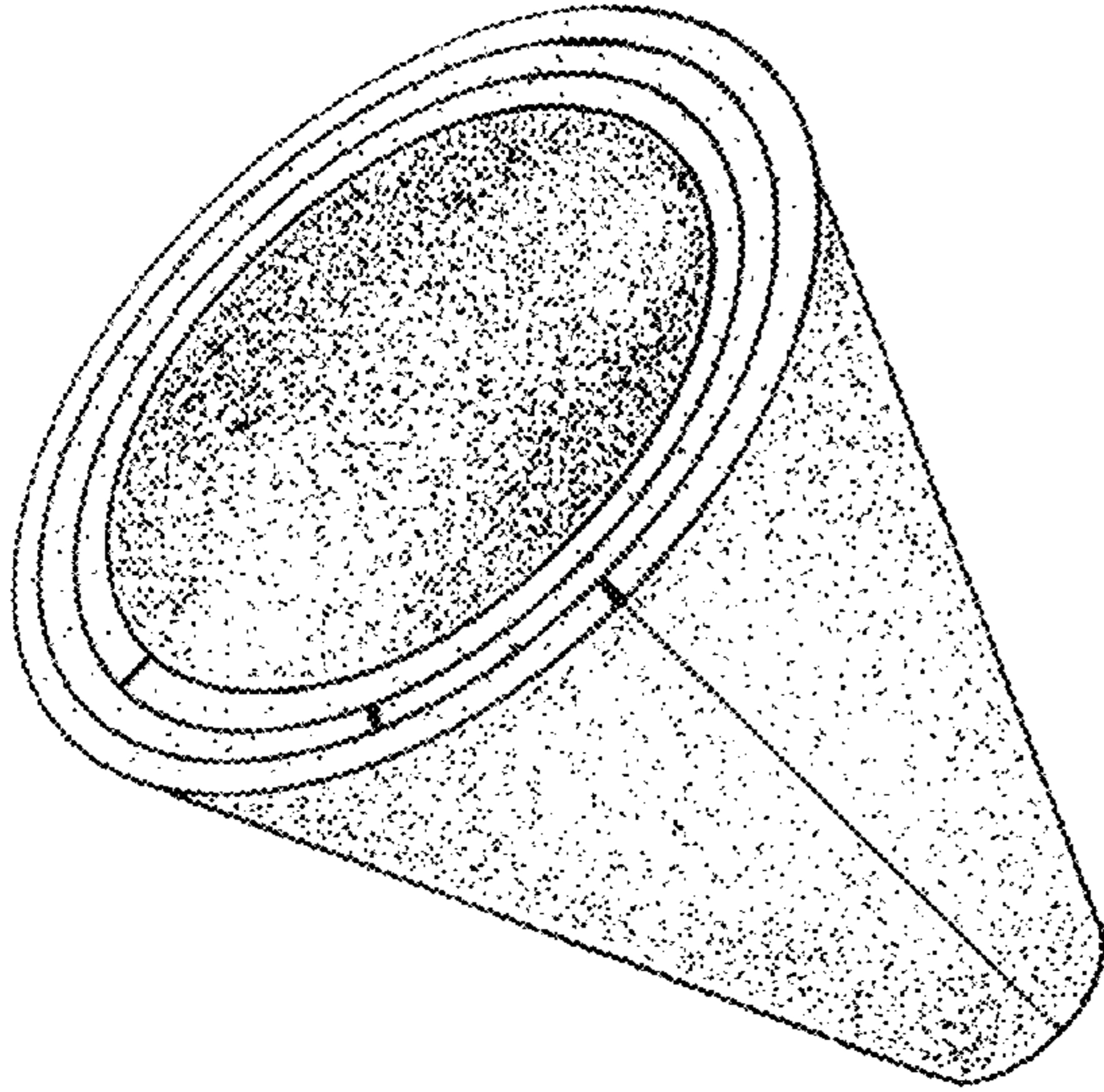


FIG. 7

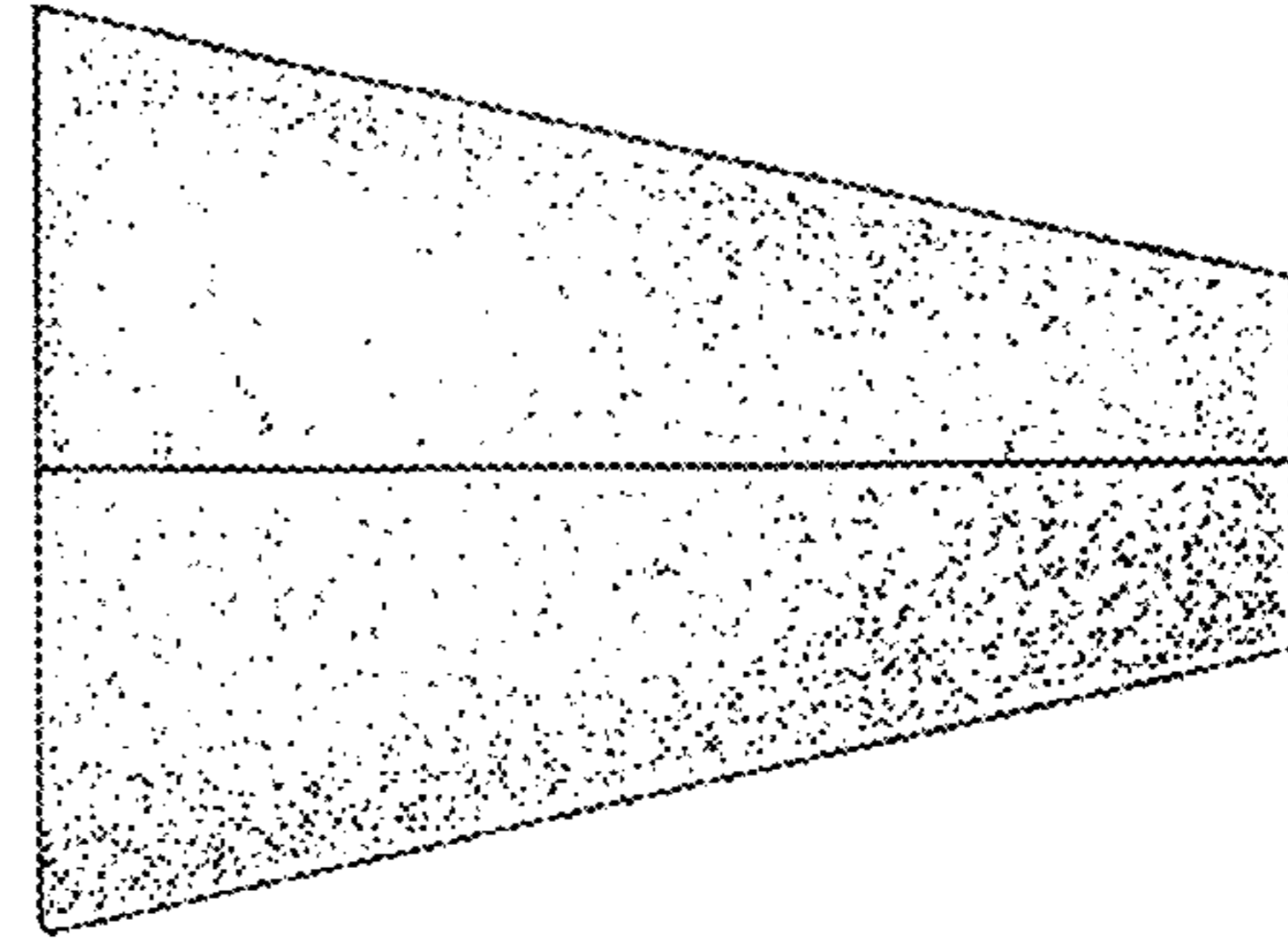


FIG. 8

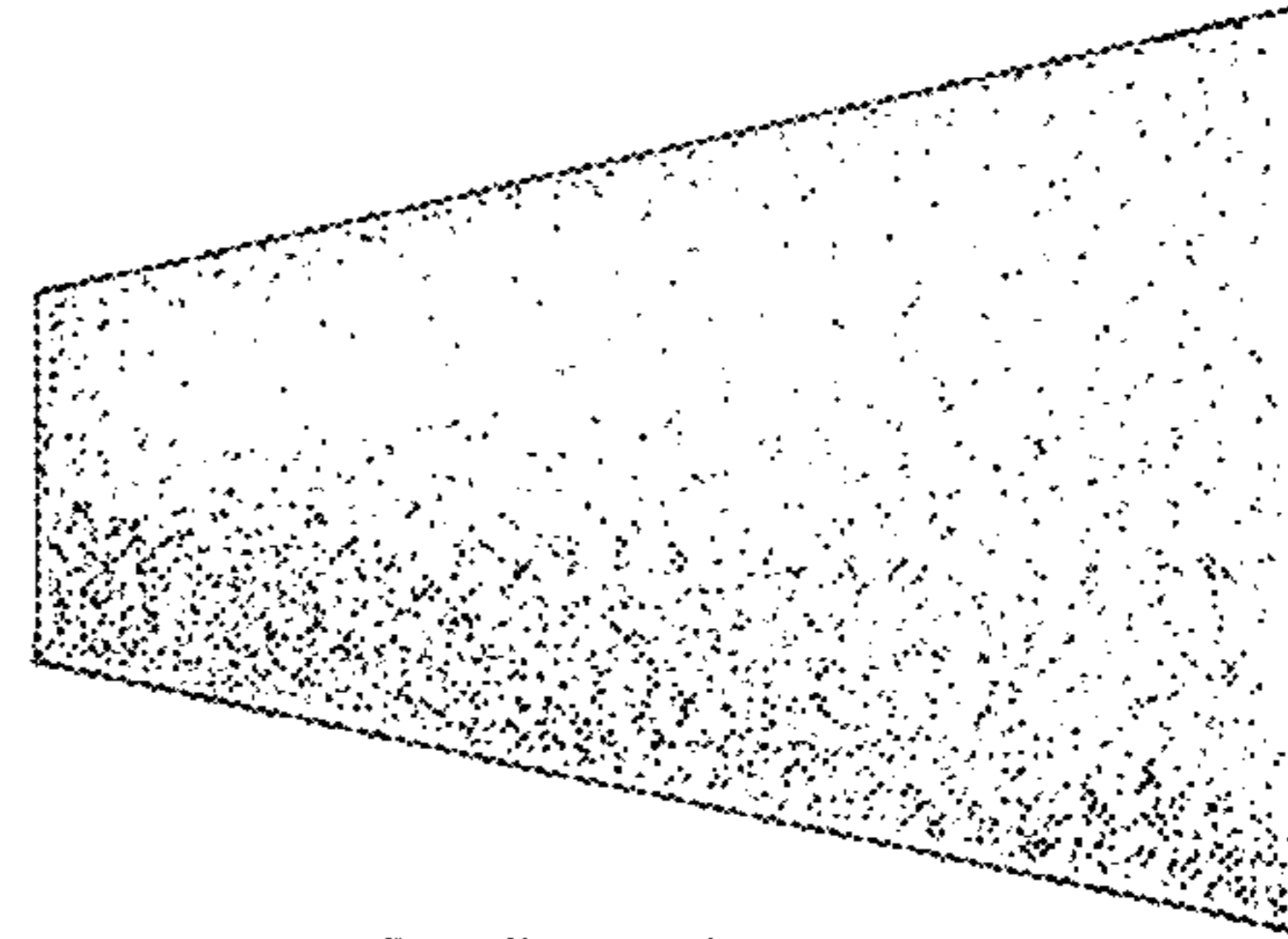


FIG. 9

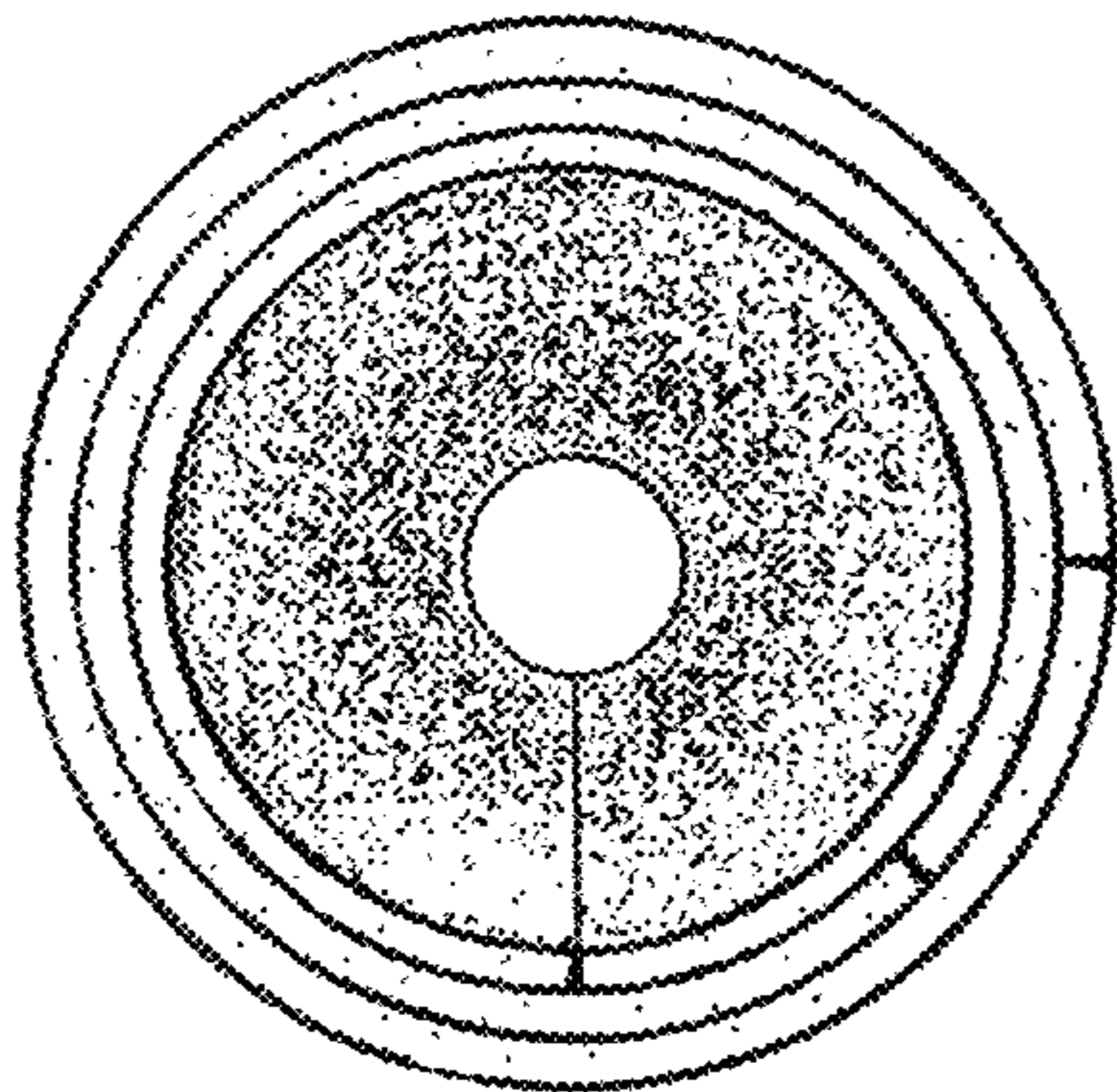


FIG. 10

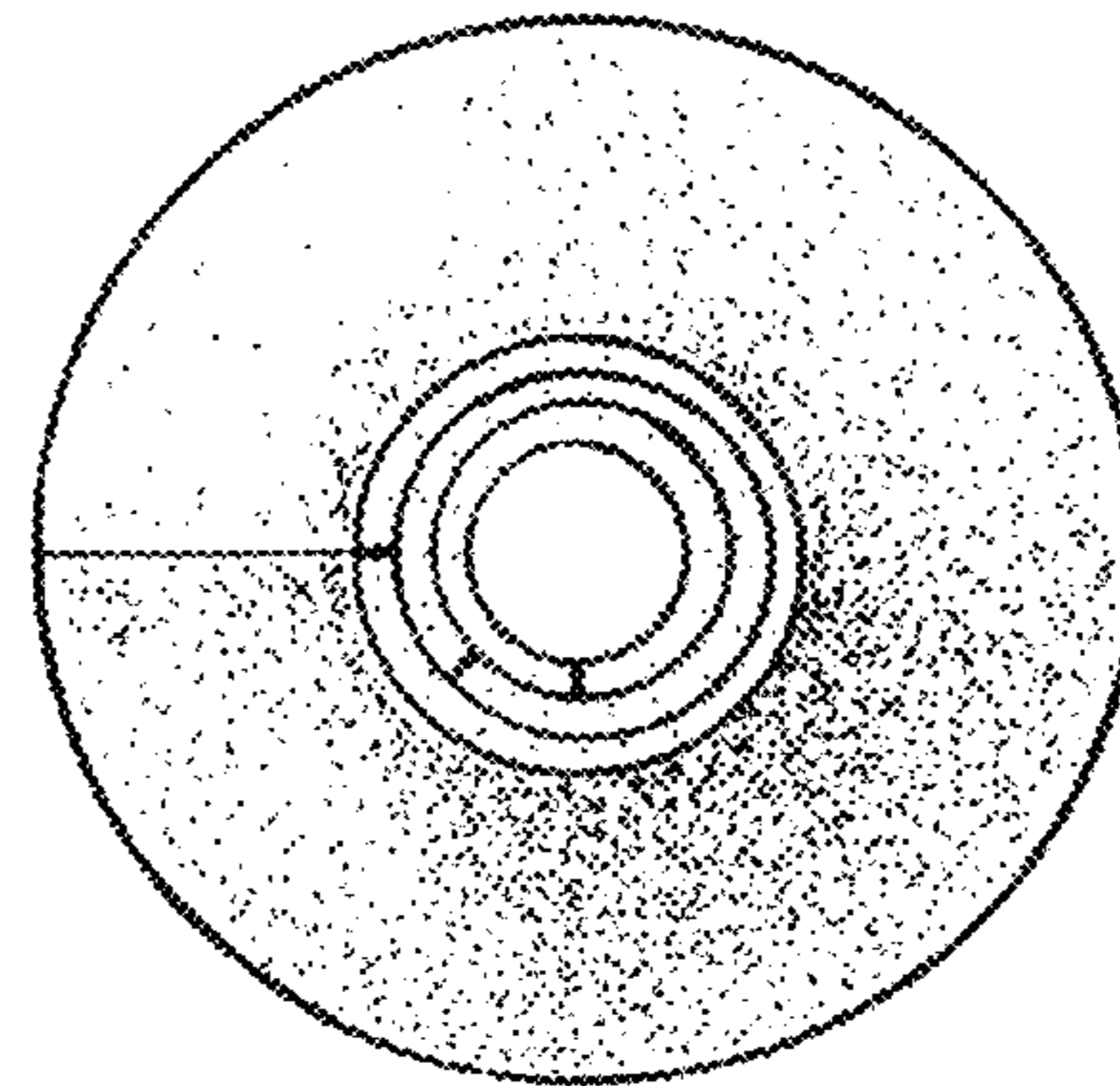


FIG. 11

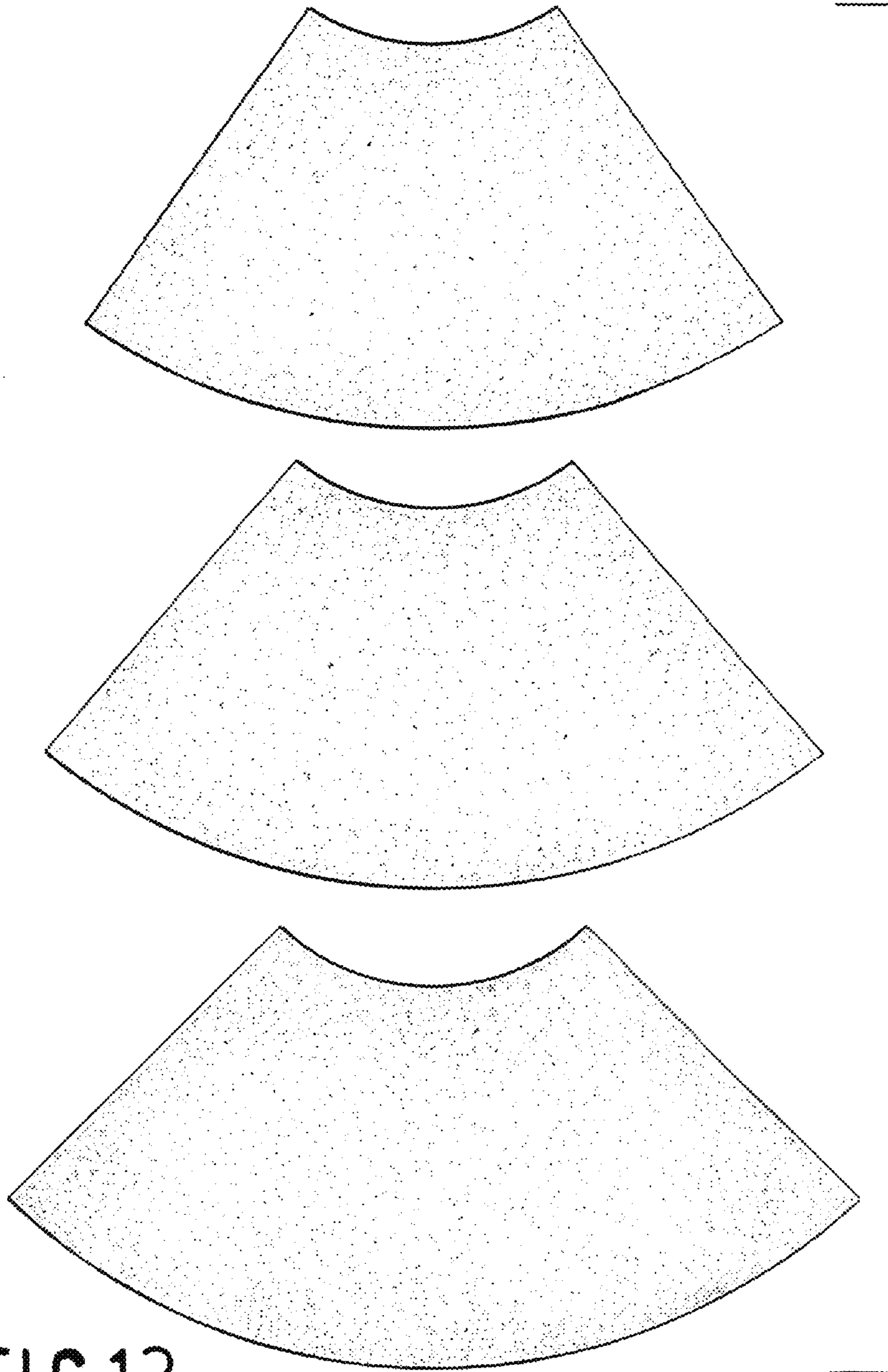


FIG.12