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(12) **United States Design Patent** (10) **Patent No.:** **US D831,810 S**  
**Cho et al.** (45) **Date of Patent:** **\*\* Oct. 23, 2018**

(54) **AIR PURIFIER**

(71) Applicant: **LG ELECTRONICS INC.**, Seoul (KR)

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(73) Assignee: **LG ELECTRONICS INC.**, Seoul (KR)

(\*\*) Term: **15 Years**

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(30) **Foreign Application Priority Data**

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(51) **LOC (11) Cl.** ..... **23-04**

(52) **U.S. Cl.**  
USPC ..... **D23/364**

(58) **Field of Classification Search**  
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CPC ..... A61L 9/00; A61L 9/02; A61L 9/03; A61L 9/034; A61L 9/04; A61L 9/12; A61L 9/032; A61L 9/122; A61L 9/127; A61L 9/22; B01D 46/00; B01D 46/0002; B01D 46/20; F02M 35/04; F24F 13/20; A62B 21/00

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D648,016 S \* 11/2011 Choi ..... D23/364  
D648,429 S \* 11/2011 Choi ..... D23/364  
D754,310 S \* 4/2016 Norman ..... D23/355  
D773,027 S \* 11/2016 Hu ..... D23/365  
D801,505 S \* 10/2017 Yin ..... D23/364

\* cited by examiner

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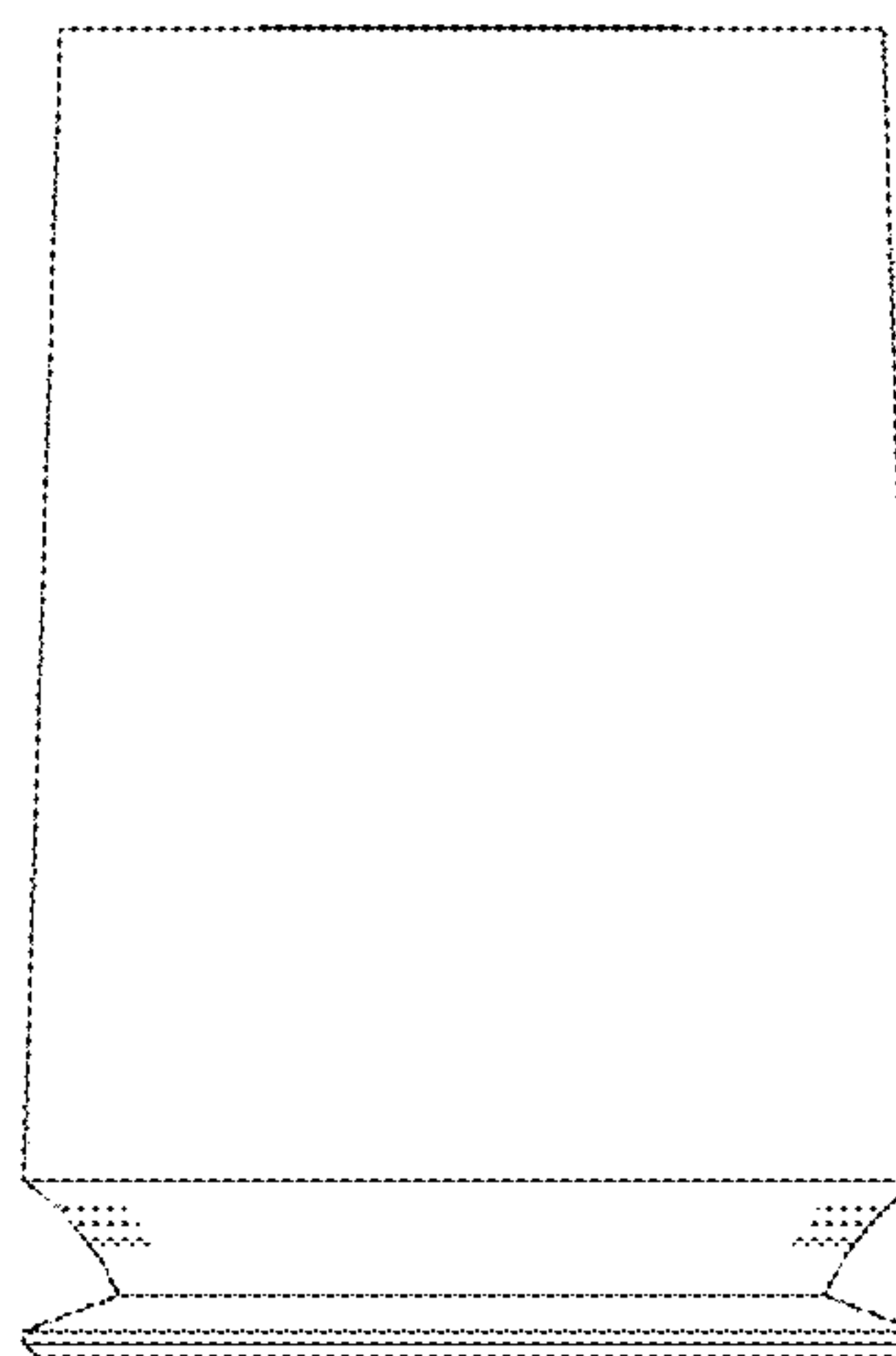
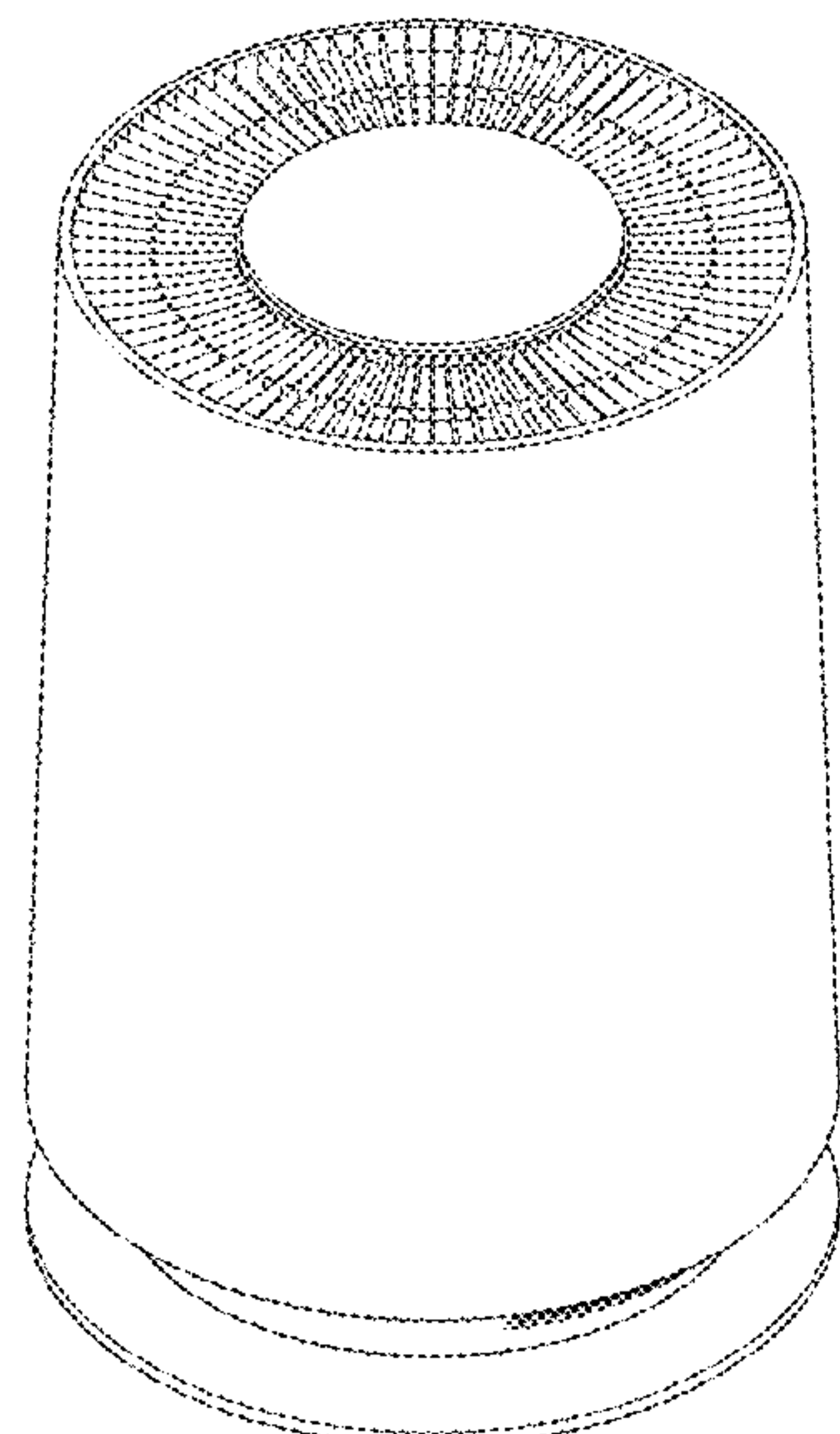
(57) **CLAIM**

The ornamental design for an air purifier, as shown and described.

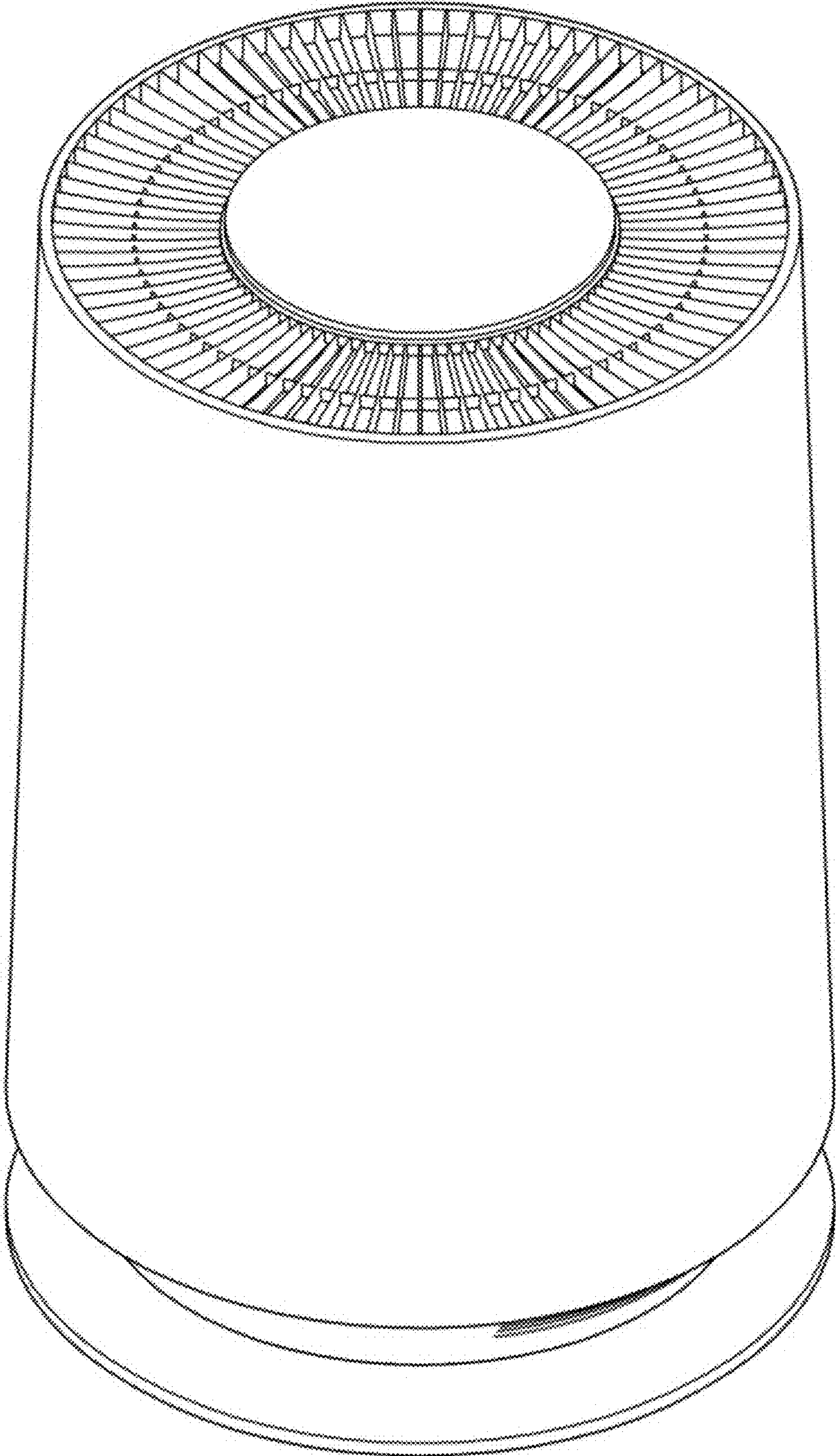
**DESCRIPTION**

1. Air purifier  
1.1 is a perspective view of an air purifier, showing our new design;  
1.2 is a front elevation view thereof;  
1.3 is a rear elevation view thereof;  
1.4 is a left-side elevation view thereof;  
1.5 is a right-side elevation view thereof;  
1.6 is a top plan view thereof;  
1.7 is a bottom plan view thereof; and  
1.8 is another top plan view thereof, showing an example of a display part being activated.  
The broken line showing of portions of the air purifier is for the purpose of illustrating environment and forms no part of the claimed design.

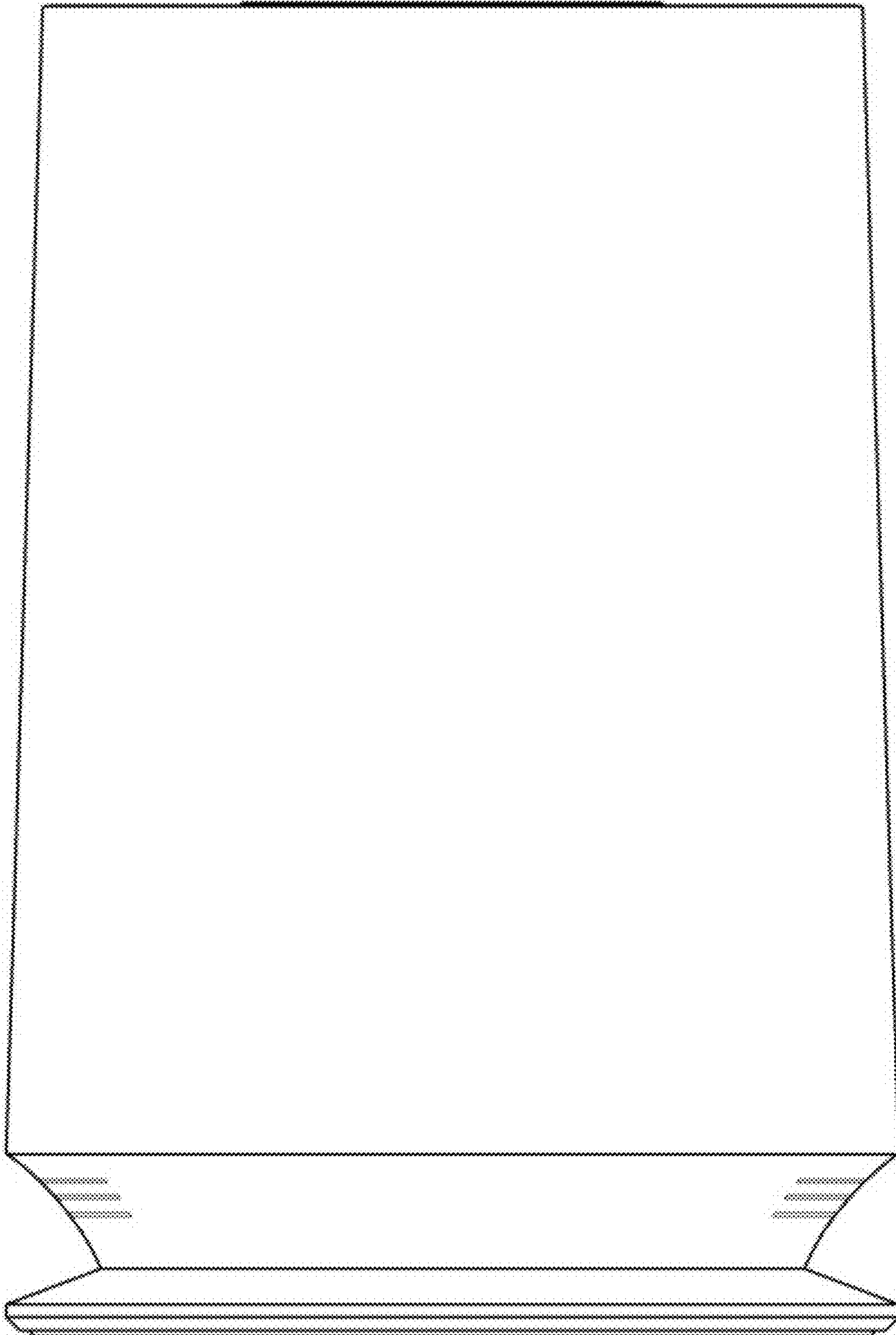
**1 Claim, 8 Drawing Sheets**



1.1

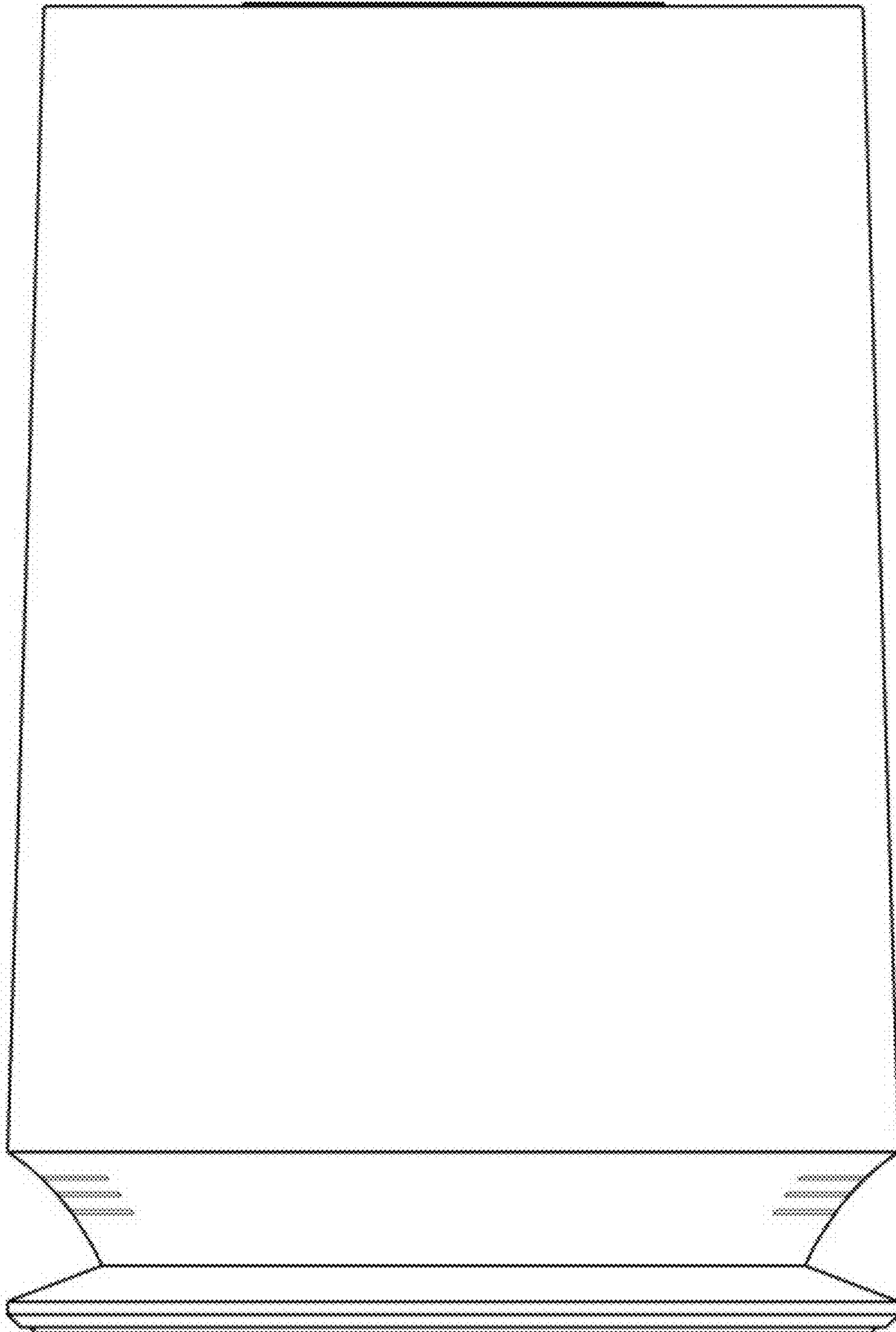


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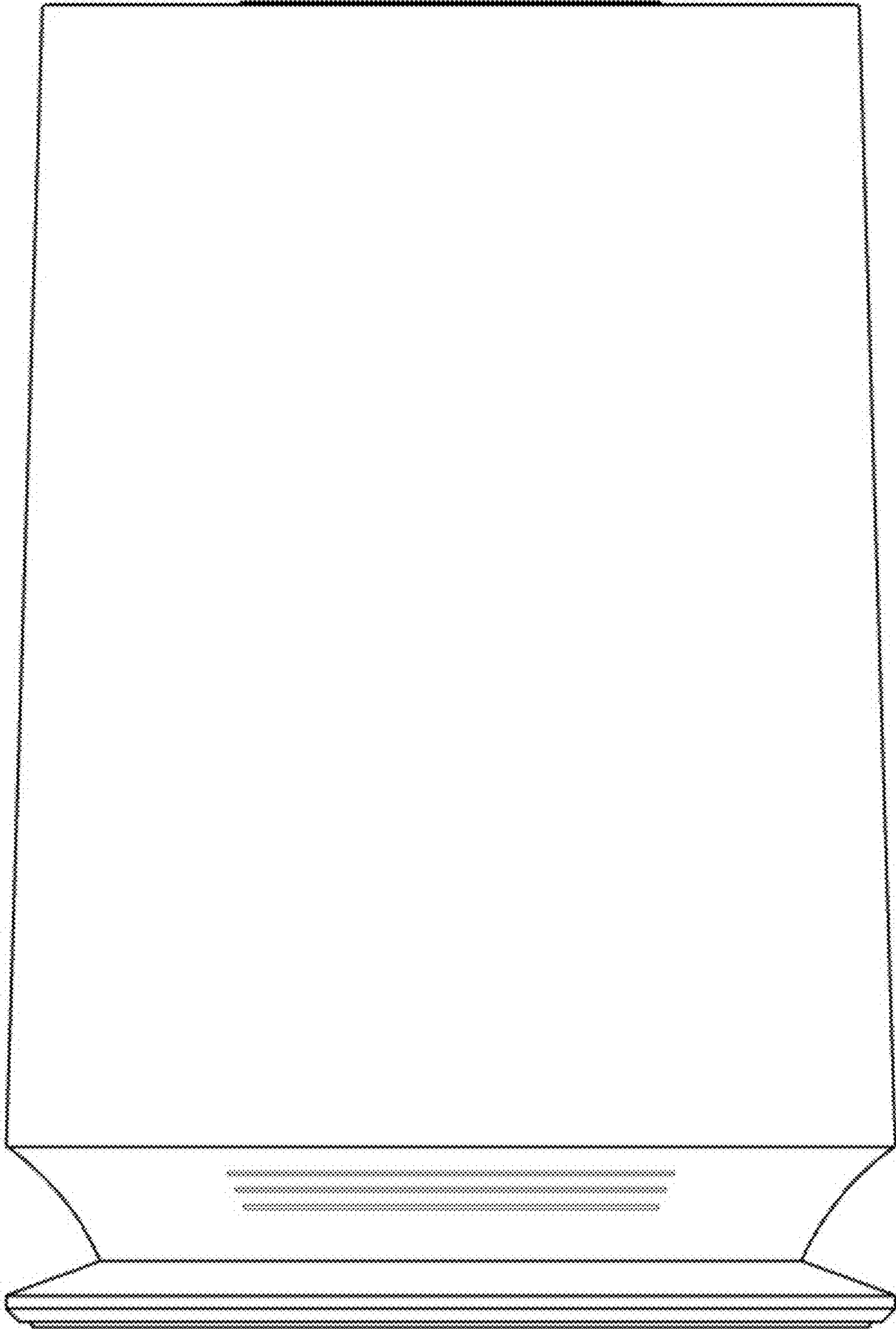




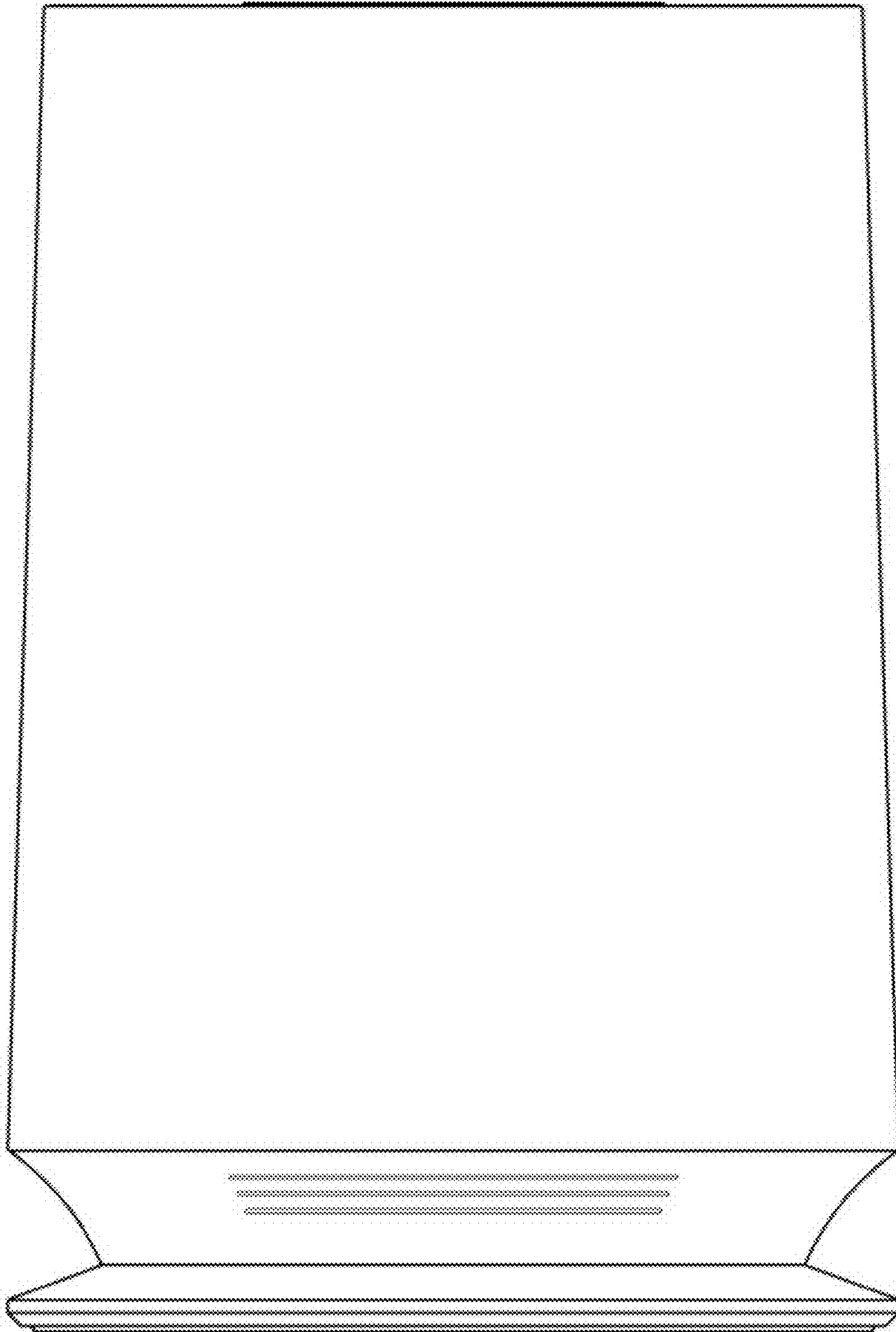
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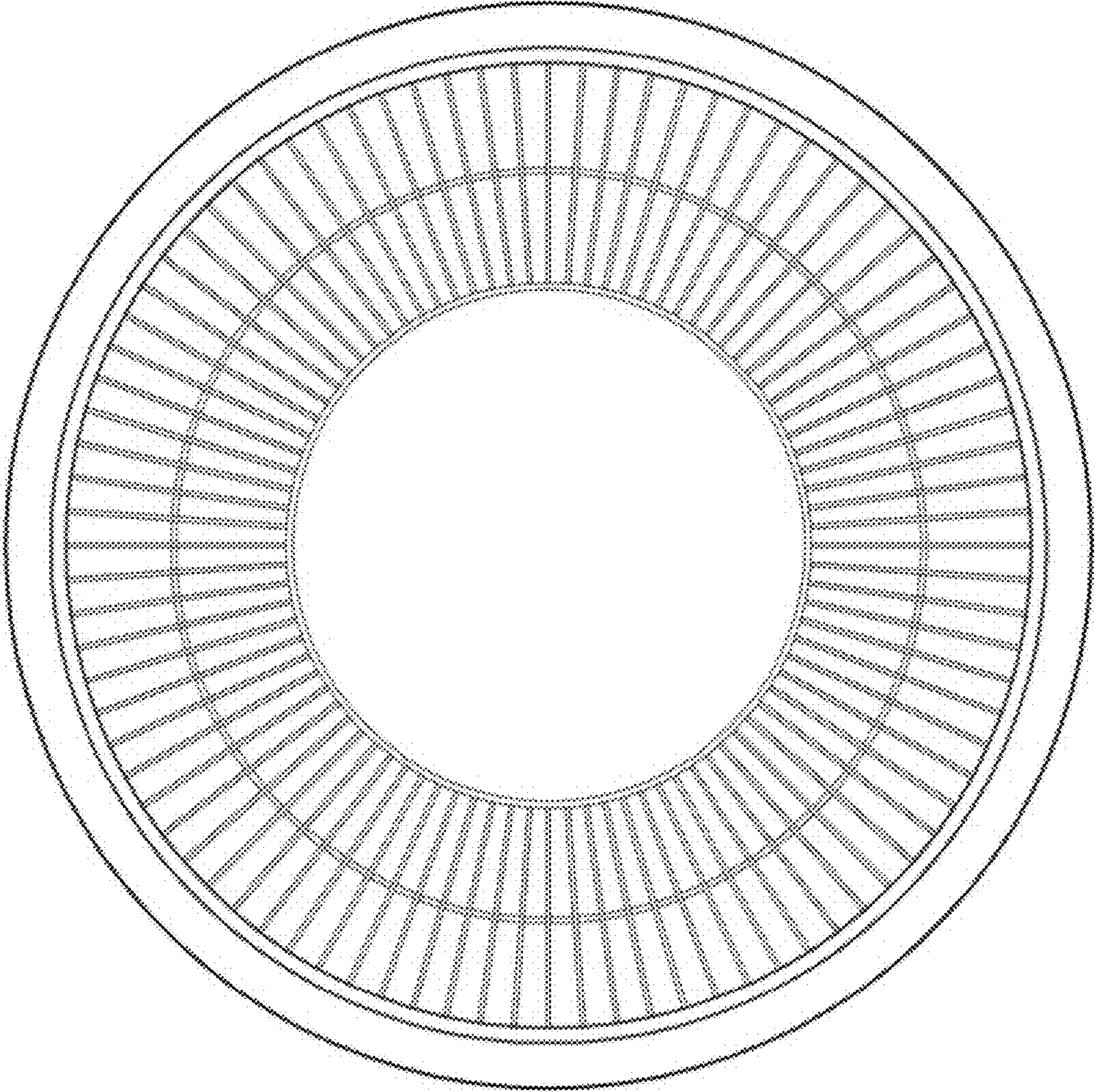
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1.5

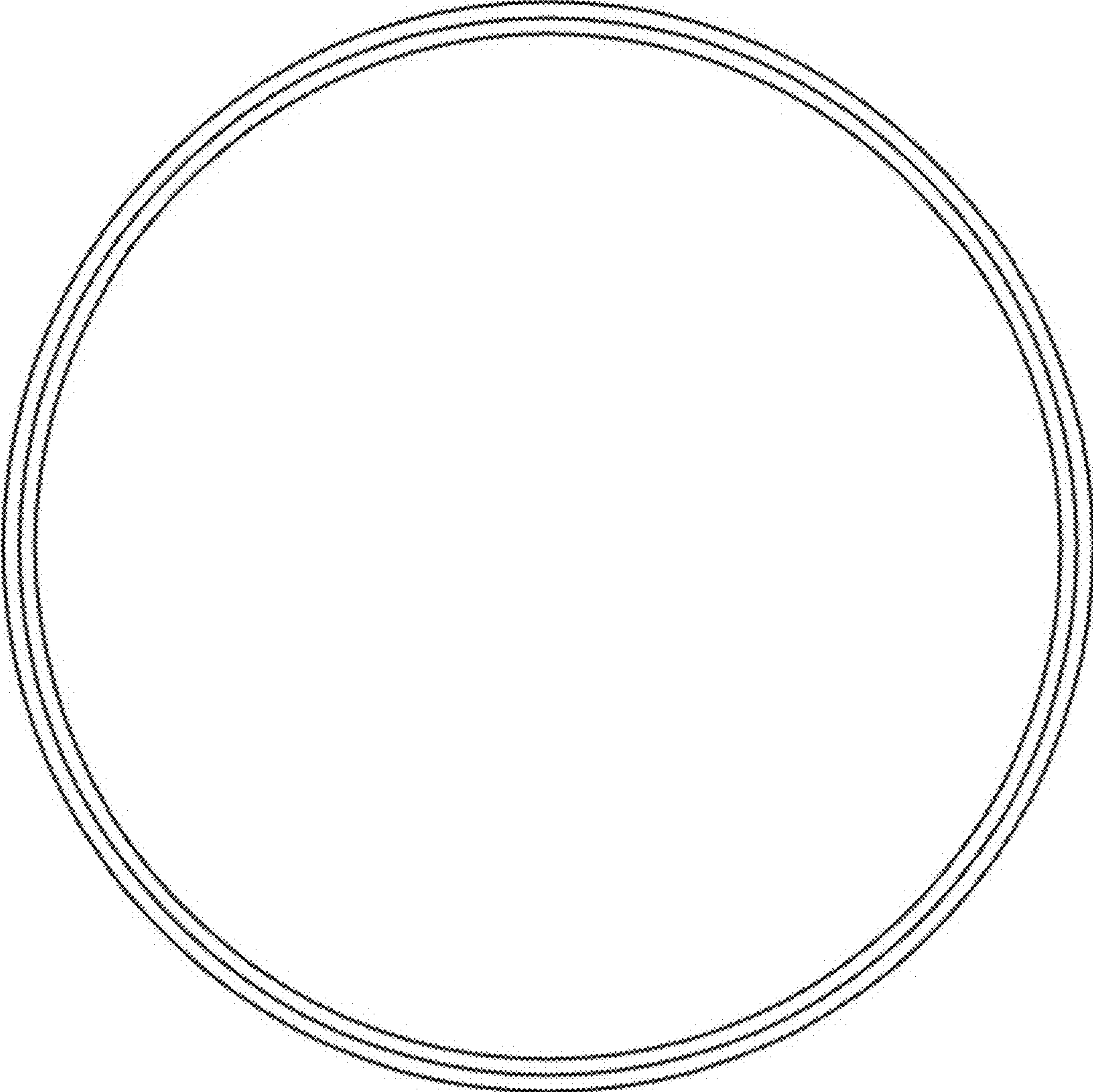


1.6





1.7





1.8

