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

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(54) **FAN WITH AIR PURIFICATION FUNCTION**

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(73) Assignee: **LG Electronics Inc.**, Seoul (KR)

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

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(30) **Foreign Application Priority Data**

Feb. 14, 2020 (KR) ..... 30-2020-0006701

(51) **LOC (13) Cl.** ..... **23-04**

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

(58) **Field of Classification Search**

USPC ..... D23/355-366, 352, 369, 332, 333, 335,  
D23/336, 342, 351; 422/120, 122;  
55/356, 473, 504; 96/97; 261/DIG. 17,  
261/DIG. 65, DIG. 88, DIG. 31  
CPC .. A61L 9/16; A61L 9/22; B01D 47/00; B01D  
47/027; B01D 2221/02; B01D 2259/4508;  
B03C 3/155; B03C 3/368; F24F 3/16;  
F24F 13/20; F24F 13/28

See application file for complete search history.

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(57) **CLAIM**

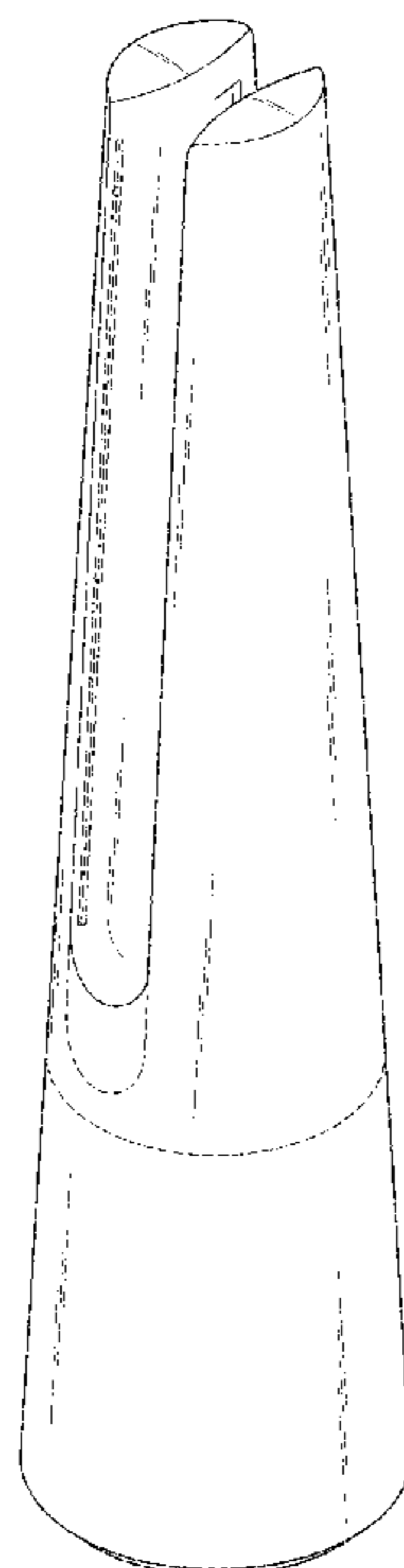
We claim the ornamental design for a fan with air purification function, as shown and described.

**DESCRIPTION**

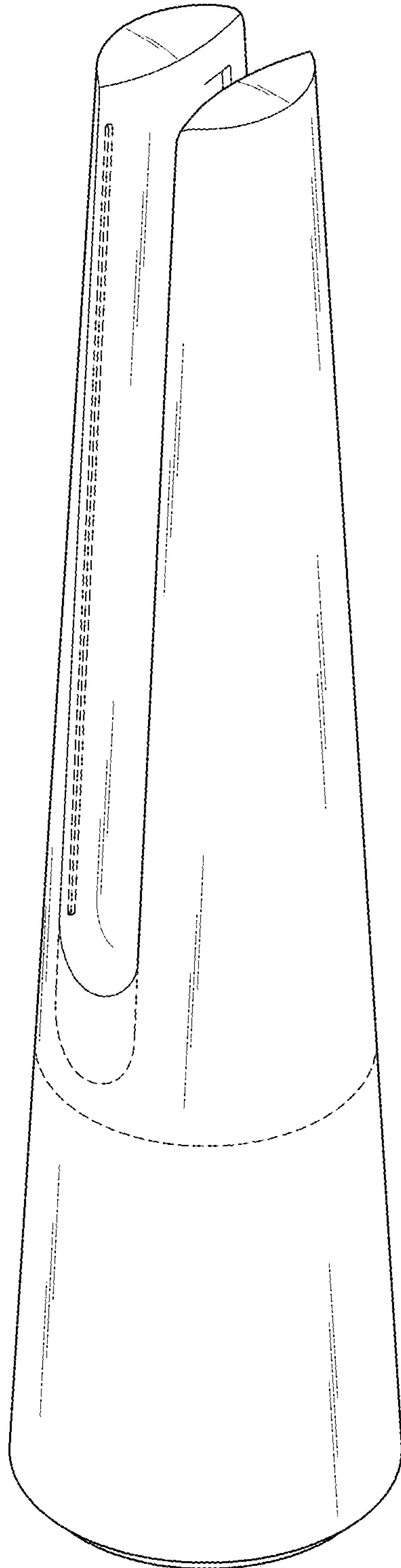
FIG. 1 is a perspective view of a fan with air purification function showing the new design;  
FIG. 2 is a front elevation view thereof;  
FIG. 3 is a rear elevation view thereof;  
FIG. 4 is a left-side elevation view thereof;  
FIG. 5 is a right-side elevation view thereof;  
FIG. 6 is a top plan view thereof;  
FIG. 7 is a bottom plan view thereof; and,  
FIG. 8 is a cross-sectional view taken along the line 8-8 of FIG. 2.

The parts shown by means of broken lines in the drawing figures are not part of the claimed design.

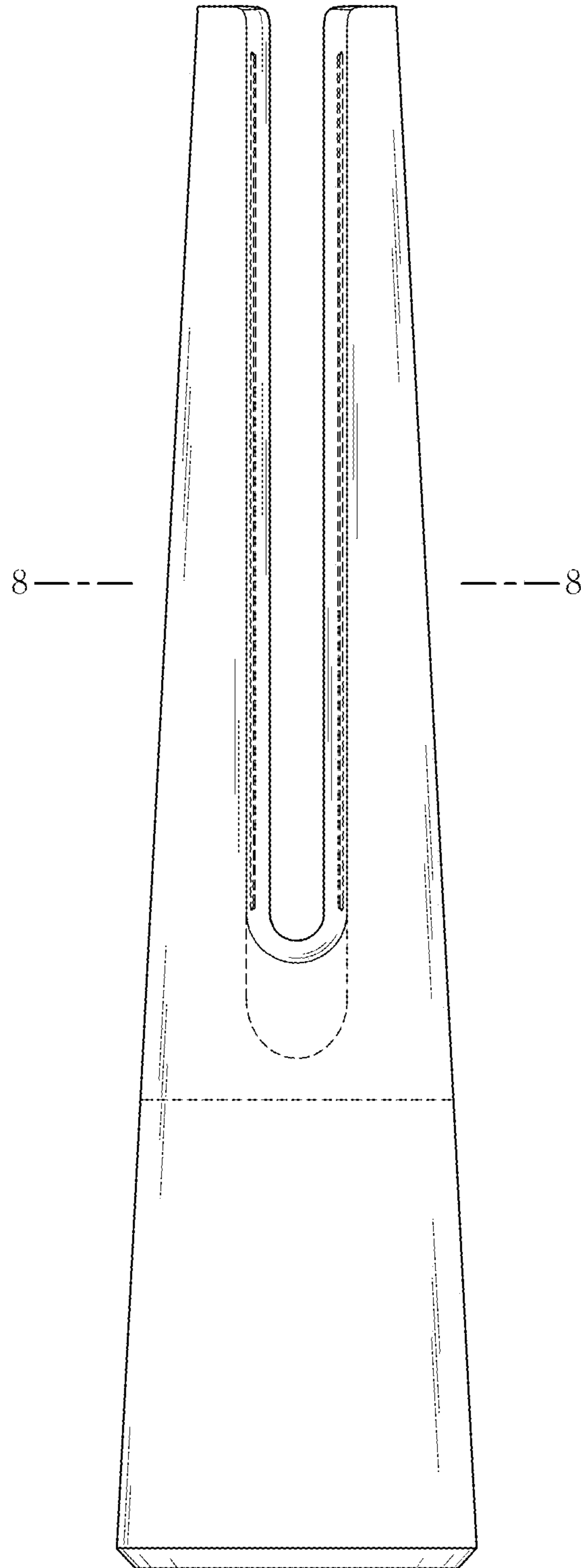
**1 Claim, 8 Drawing Sheets**



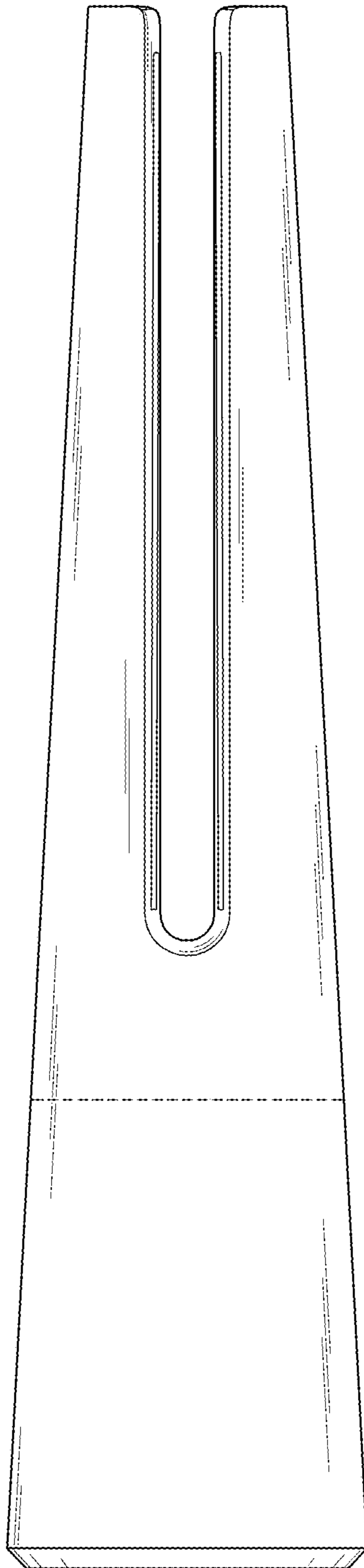
*FIG. 1*



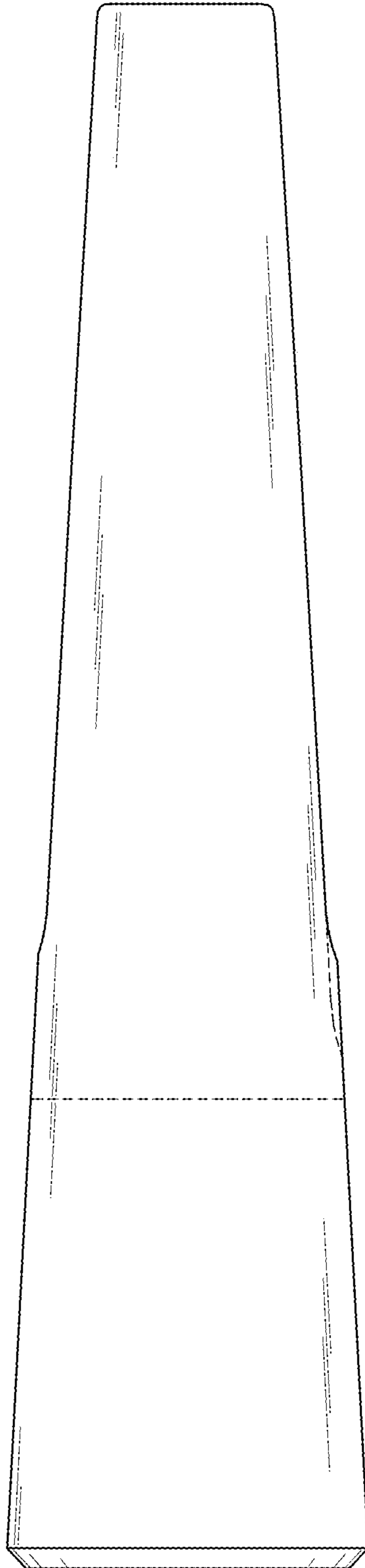
*FIG. 2*



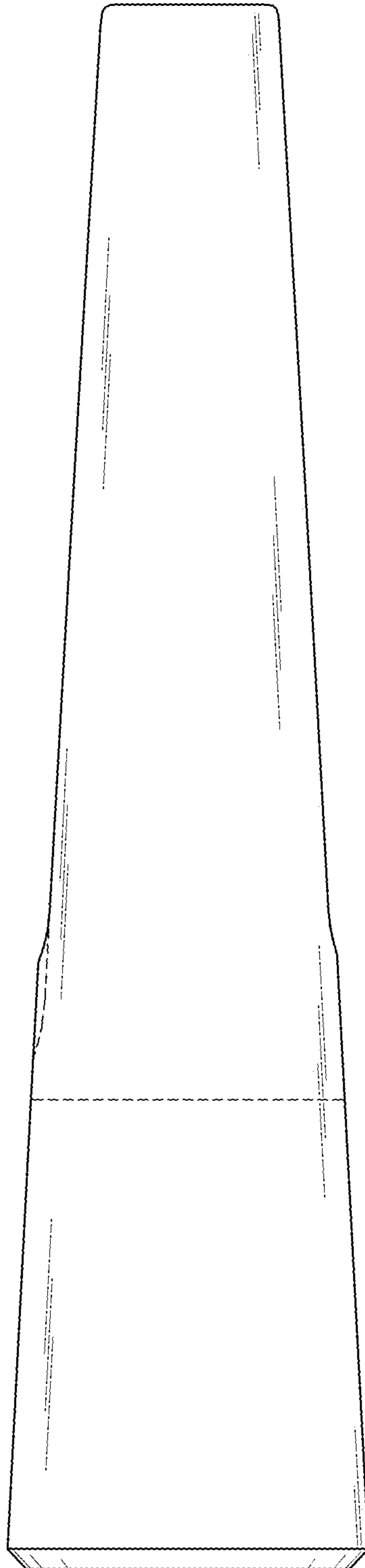
*FIG. 3*



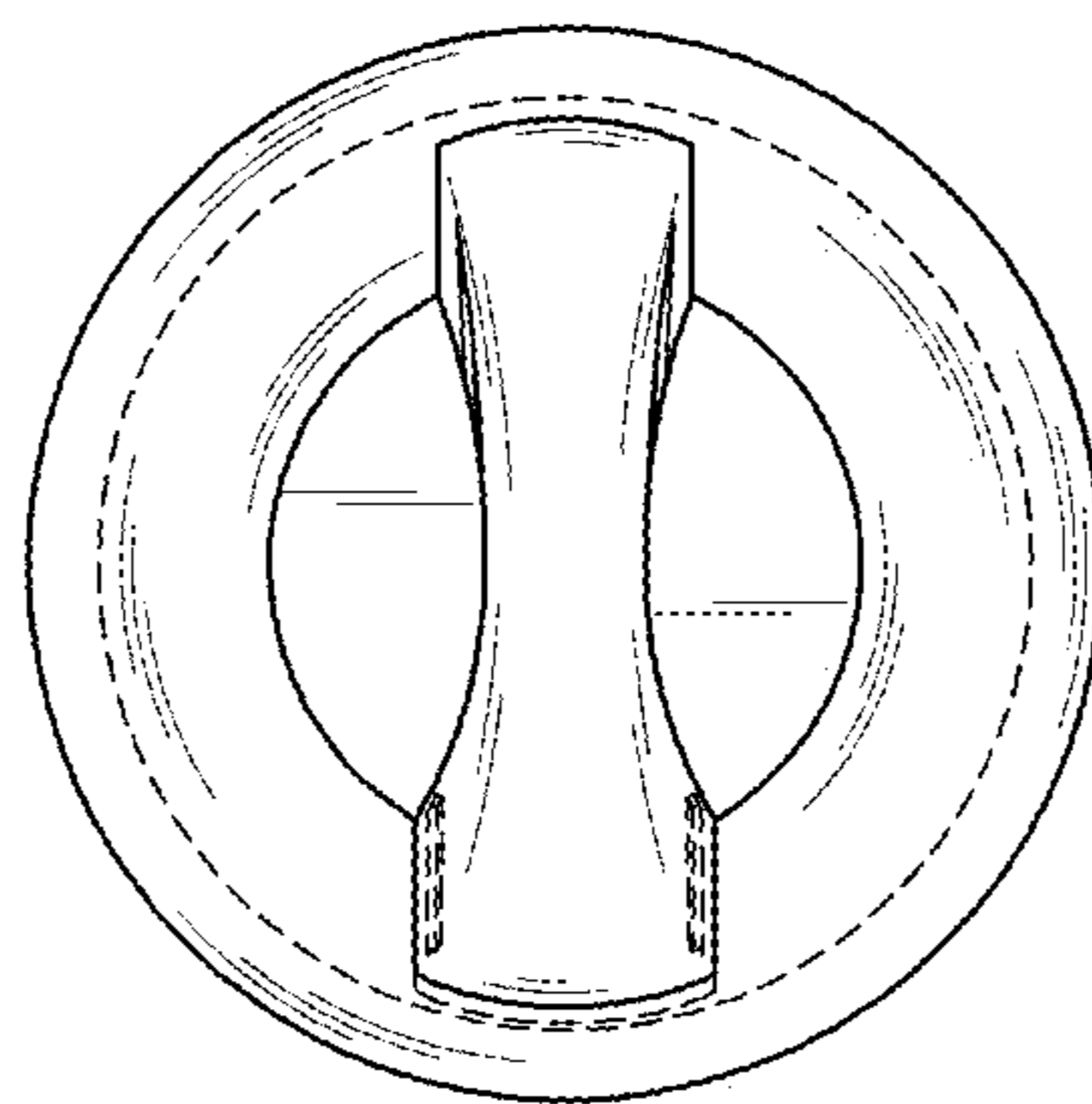
*FIG. 4*



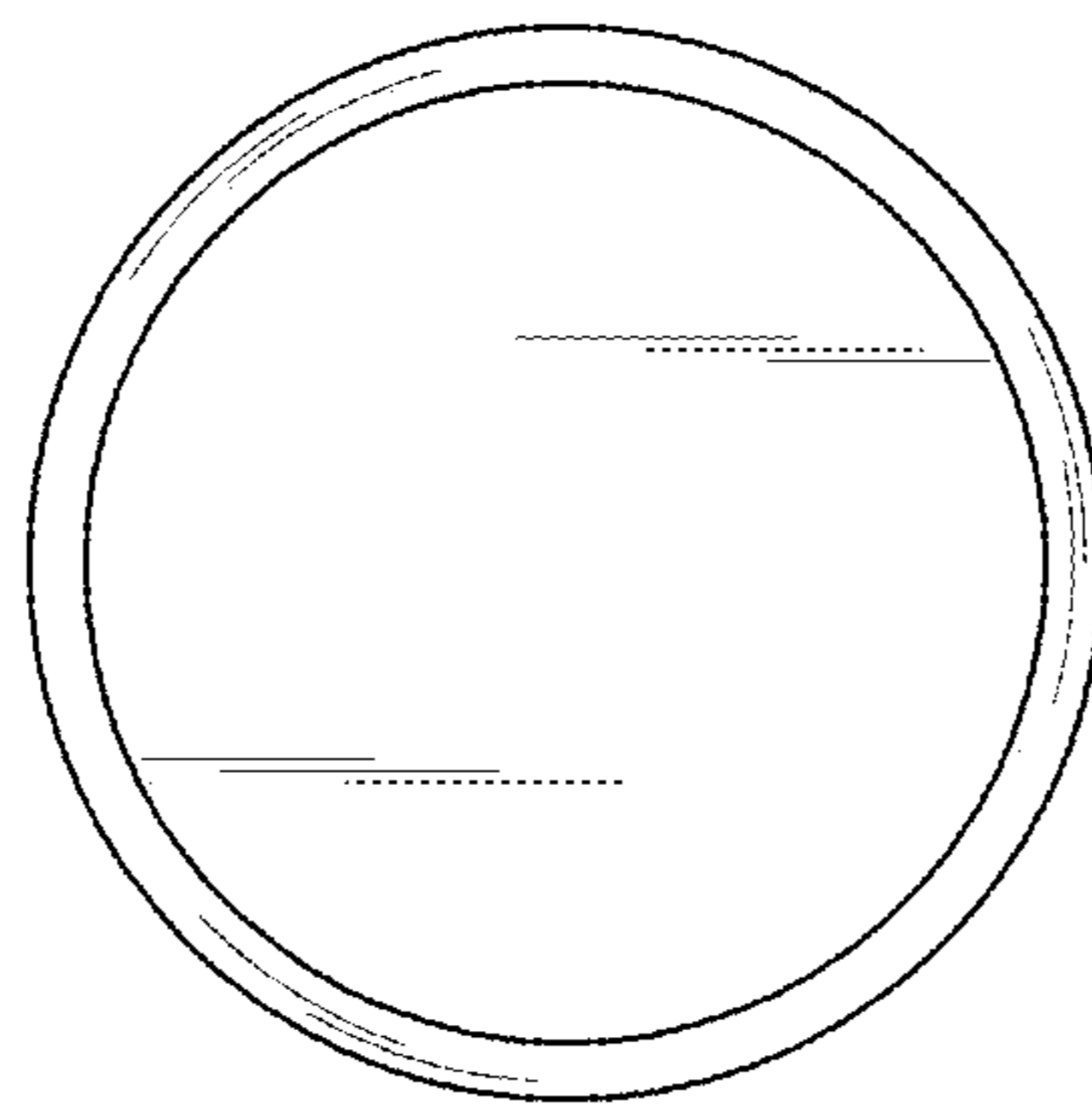
*FIG. 5*



*FIG. 6*



*FIG. 7*





*FIG. 8*

