



US00D878529S

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

(10) **Patent No.:** **US D878,529 S**
(45) **Date of Patent:** **** Mar. 17, 2020**

- (54) **AIR PURIFIER**
- (71) Applicant: **XIAMEN VORK HEALTH INDUSTRY CO., LTD.**, Xiamen (CN)
- (72) Inventor: **Si Zhong**, Xiamen (CN)
- (73) Assignee: **XIAMEN VORK HEALTH INDUSTRY CO., LTD.**, Xiamen (CN)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/643,368**
- (22) Filed: **Apr. 8, 2018**
- (51) **LOC (12) 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; D14/188, 170,
D14/172; 261/DIG. 17, DIG. 65,
261/DIG. 88, DIG. 31; D18/34.6
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; F24F 3/1405;
F24F 3/1603; F24F 13/222
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D309,943 S *	8/1990	Jones	.....	D23/369
D328,946 S *	8/1992	Havrilla	.....	D23/365
D355,962 S *	2/1995	Chiu	.....	D23/364
5,753,000 A *	5/1998	Chiu	.....	B01D 46/24 55/357
D523,128 S *	6/2006	Zhu	.....	D23/364
D527,448 S *	8/2006	Ku	.....	D23/366
D642,252 S *	7/2011	Paolazzi	.....	D23/366
D675,303 S *	1/2013	Raupach	.....	D23/364

D704,319 S *	5/2014	Cai	.....	D23/333
D704,320 S *	5/2014	Li	.....	D23/333
D716,432 S *	10/2014	Viala	.....	A61L 9/03 D23/366
D724,191 S *	3/2015	Yoo	.....	D23/355
D729,919 S *	5/2015	Yeom	.....	D23/359
D787,657 S *	5/2017	Farone	.....	D23/356
D788,897 S *	6/2017	Lee	.....	D23/356
D803,369 S *	11/2017	Kim	.....	D23/364
D806,843 S *	1/2018	McDonnell	.....	D23/355
D810,905 S *	2/2018	Yoon	.....	D23/364
D826,388 S *	8/2018	Yeung	.....	D23/356
D829,312 S *	9/2018	Riering-Czekalla	.....	D23/364
D832,414 S *	10/2018	Sharma	.....	D23/364
D835,766 S *	12/2018	Chen	.....	D23/364
D838,825 S *	1/2019	Sullivan	.....	D23/366

(Continued)

OTHER PUBLICATIONS

Amazon.com, PARTU Air Purifier, Aug. 5, 2018, <https://www.amazon.com/PARTU-Purifier-Purifiers-Allergies-California/dp/B07L9R9W8P/s> (Year: 2018).*

Primary Examiner — Nathan M Johnston

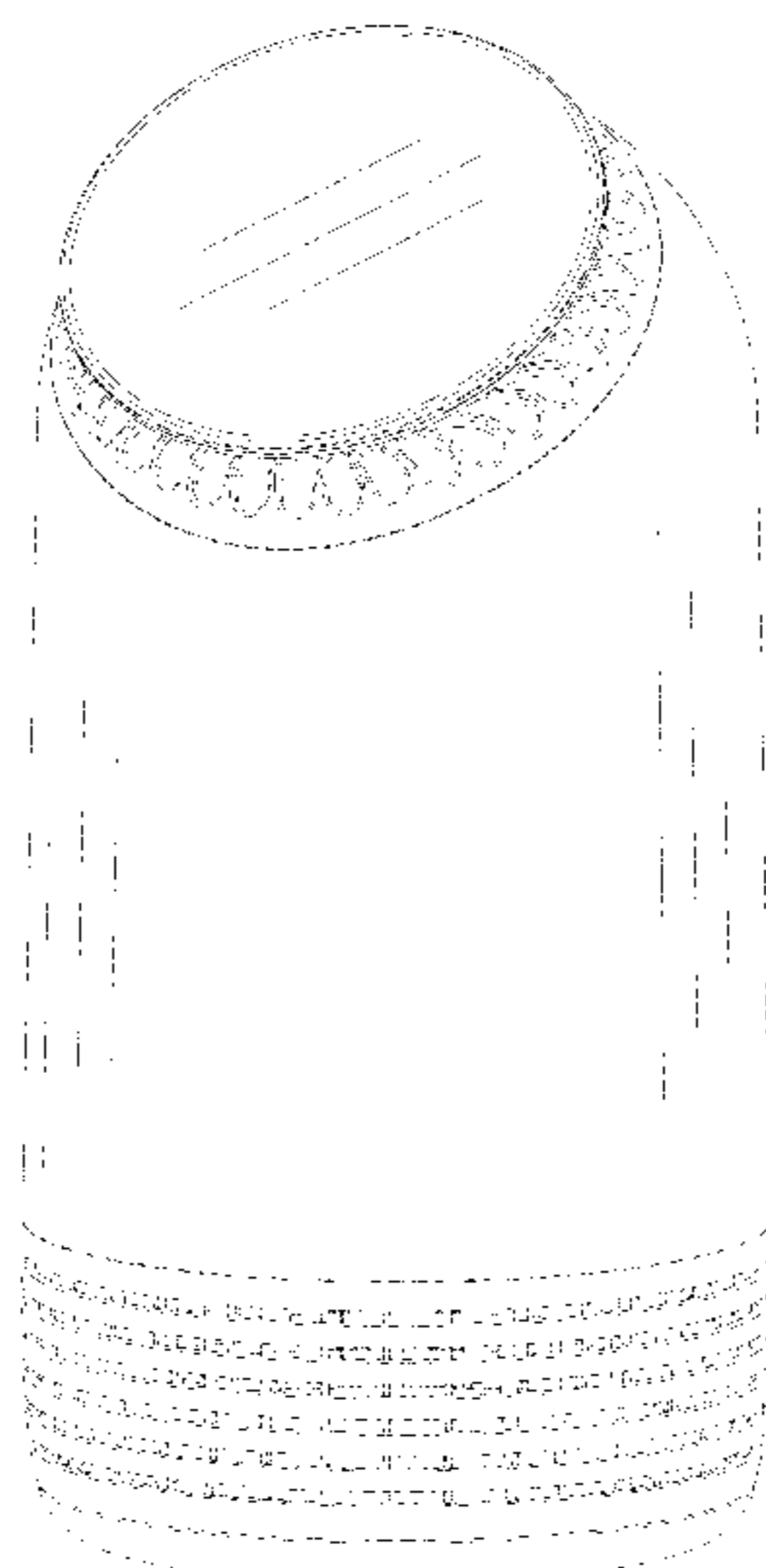
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of an air purifier showing my new design;
FIG. 2 is a front view thereof;
FIG. 3 is a back view thereof;
FIG. 4 is a left side view thereof;
FIG. 5 is a right side view thereof;
FIG. 6 is a top plan view thereof; and,
FIG. 7 is a bottom plan view thereof.
The broken lines in the figures illustrate portions of the air purifier that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2012/0093683 A1* 4/2012 Hishida A61L 9/122
422/4
2016/0114278 A1* 4/2016 Yu B01D 46/0086
55/473
2017/0153029 A1* 6/2017 Wang F24F 6/02

* cited by examiner

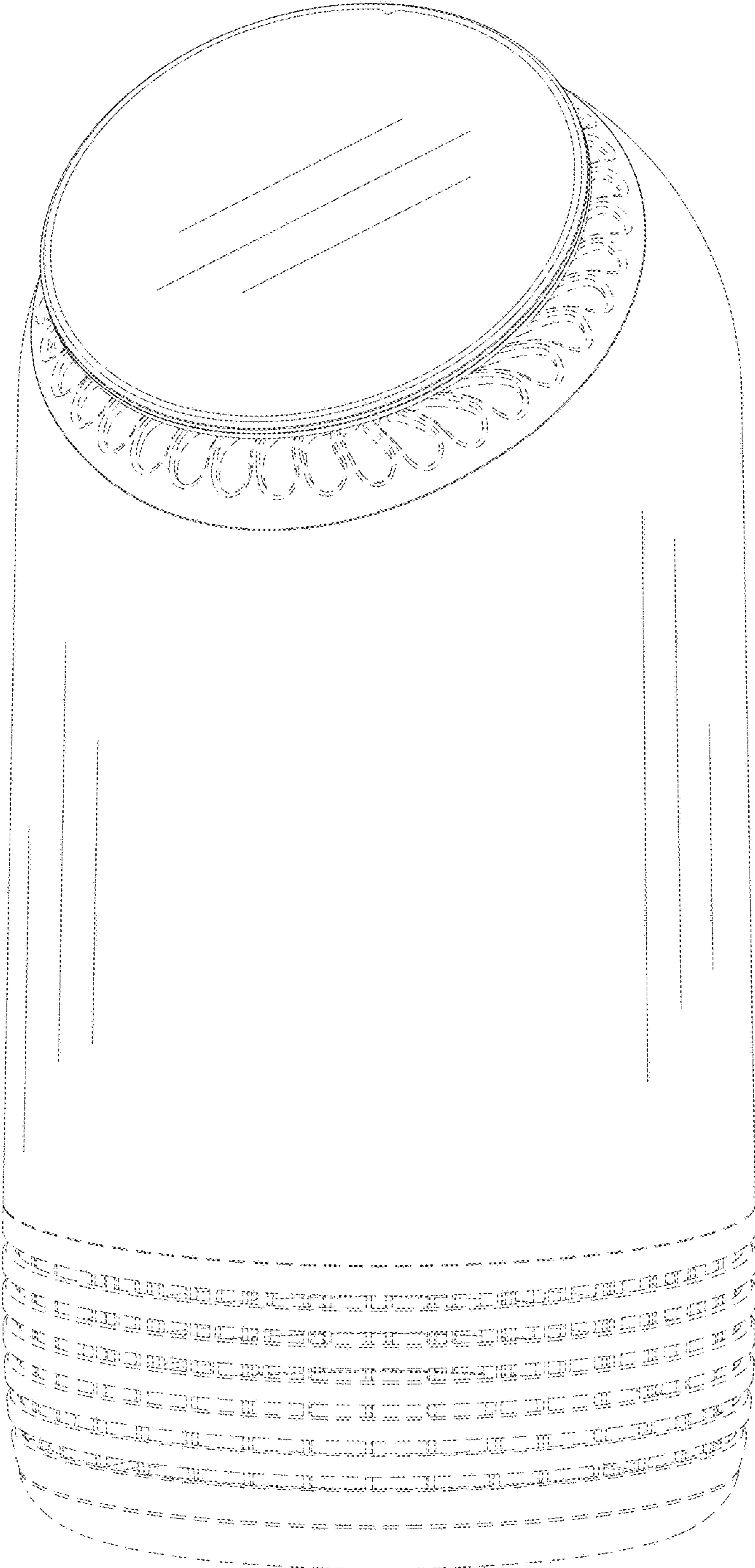


FIG 1

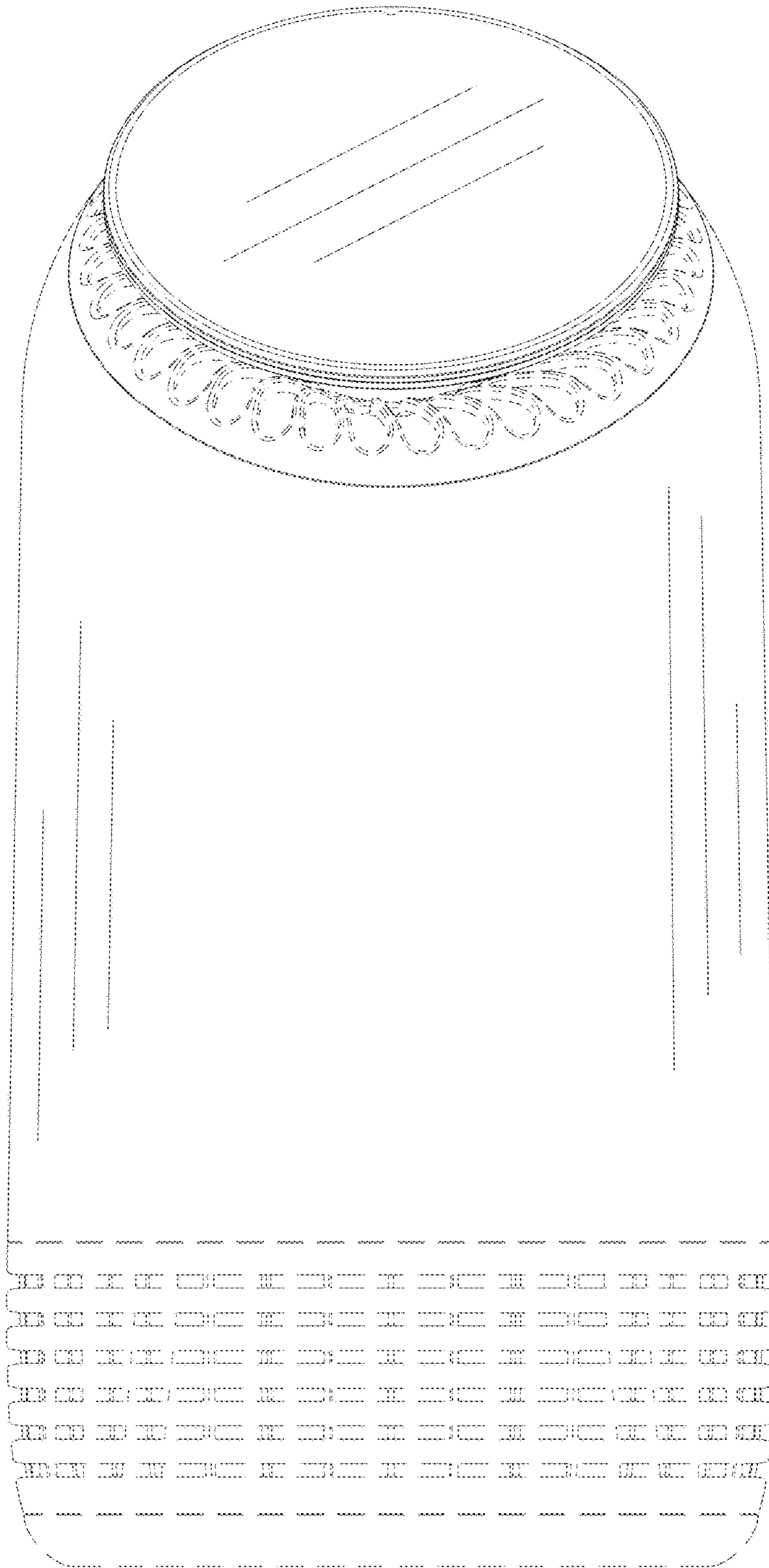


FIG 2

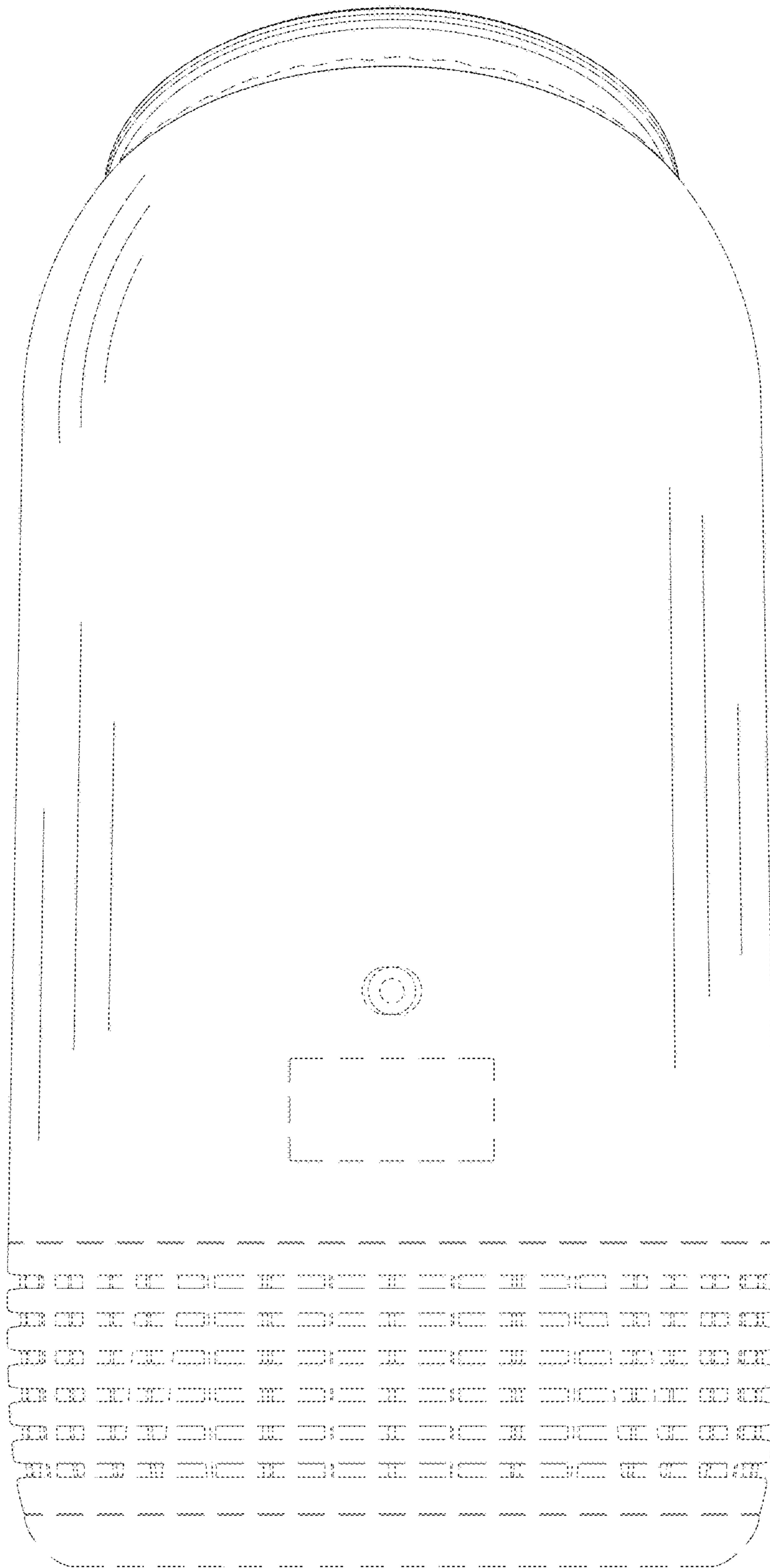


FIG 3

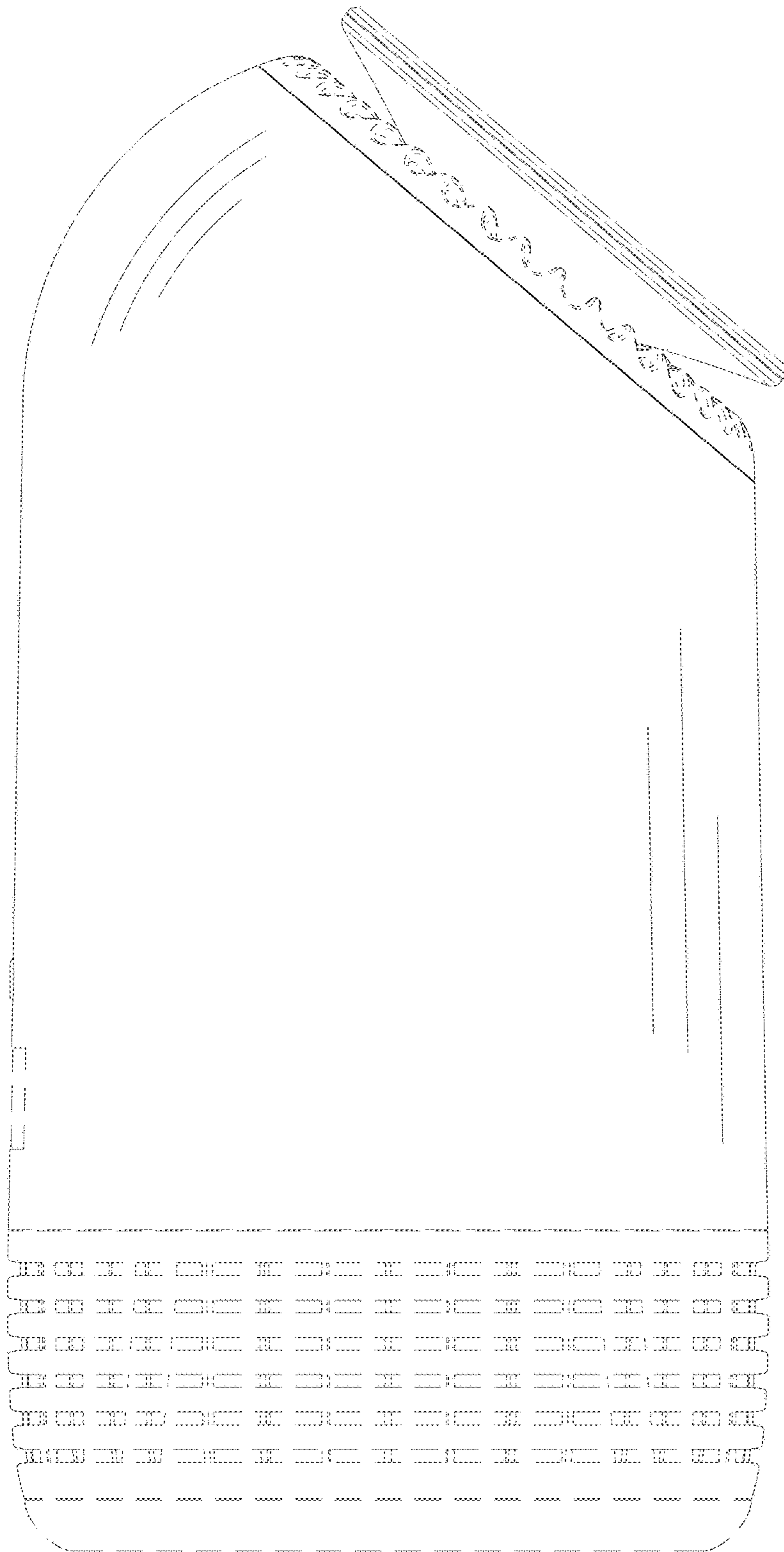


FIG 4

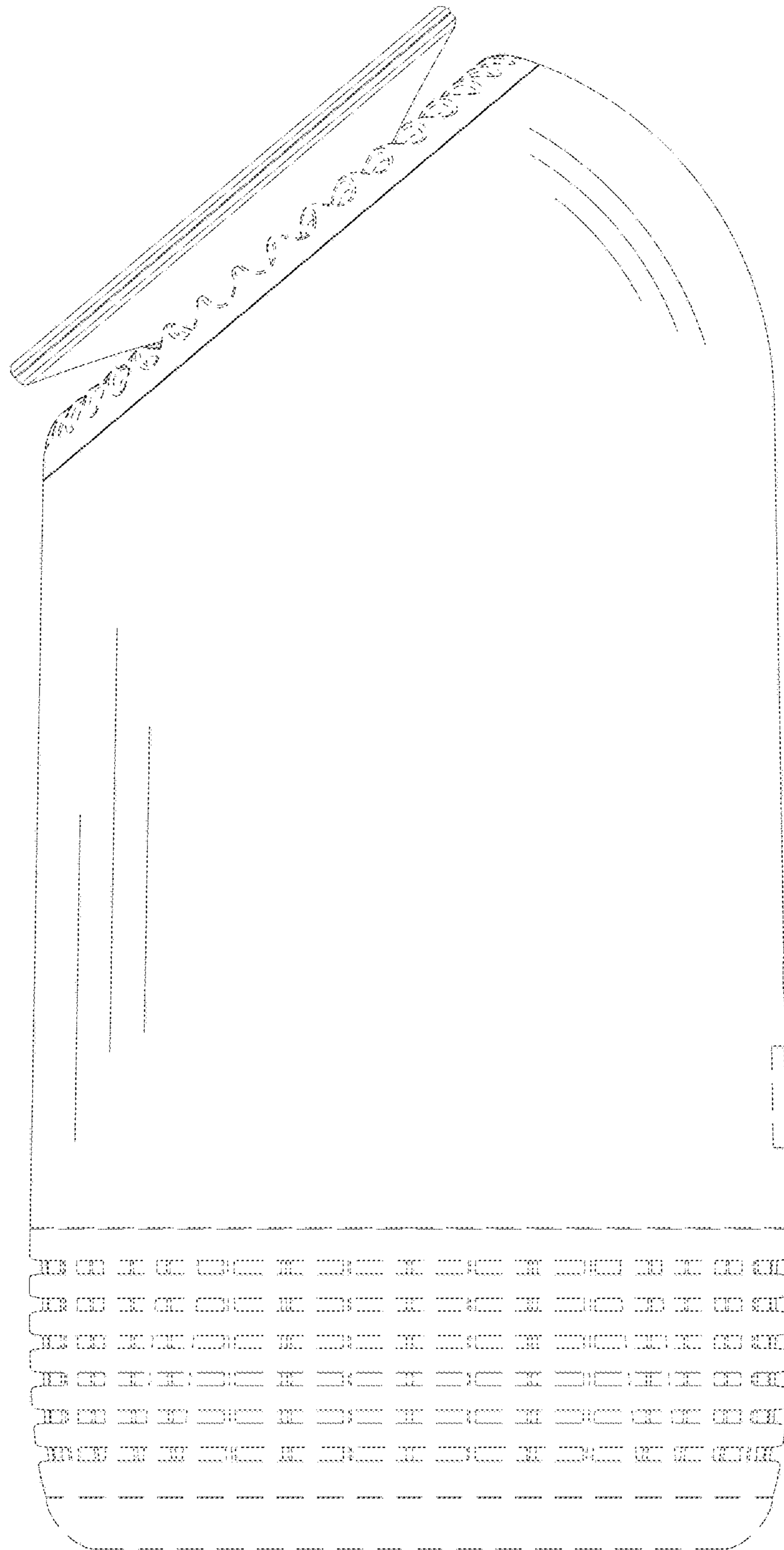


FIG 5

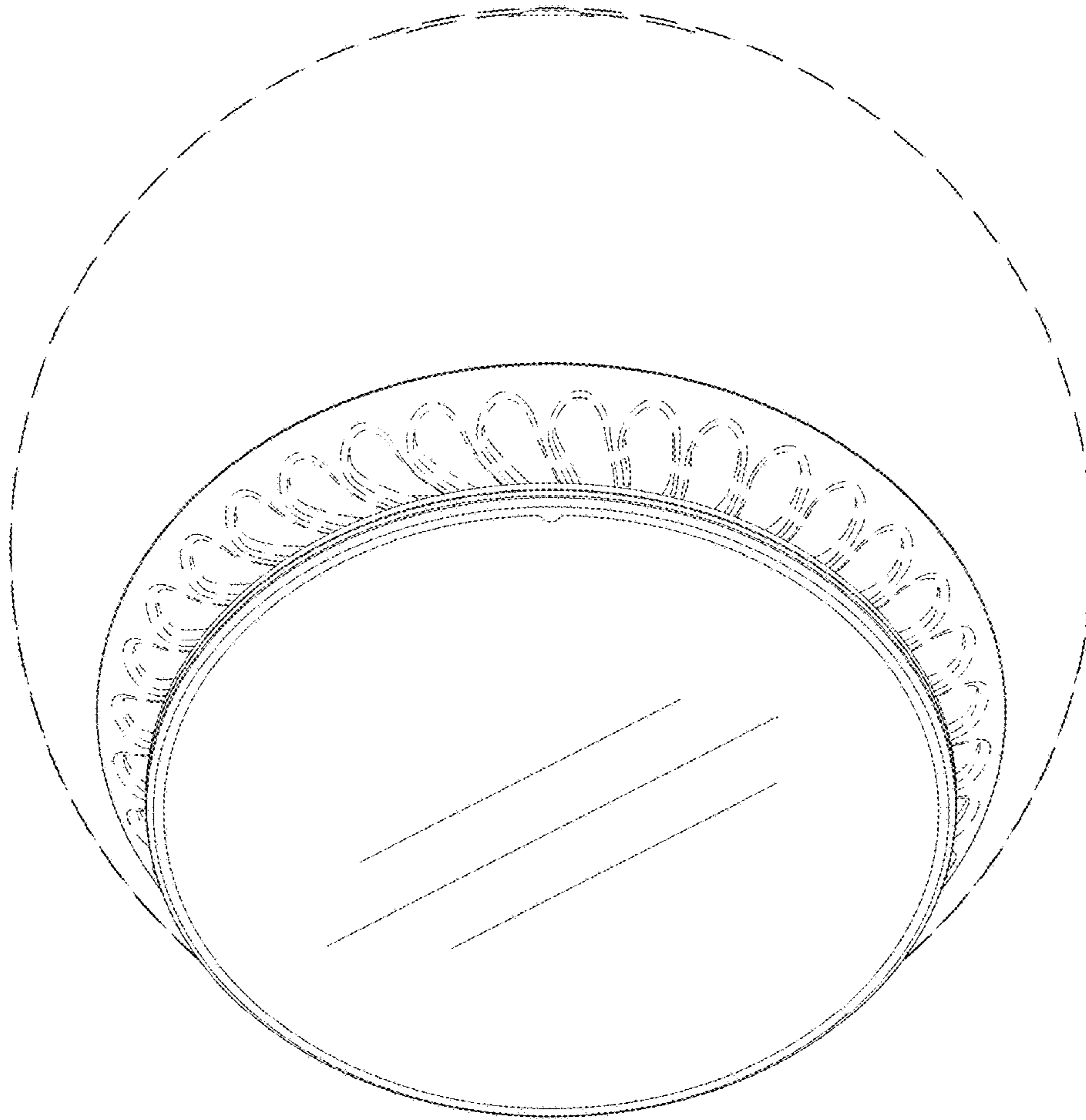


FIG. 6

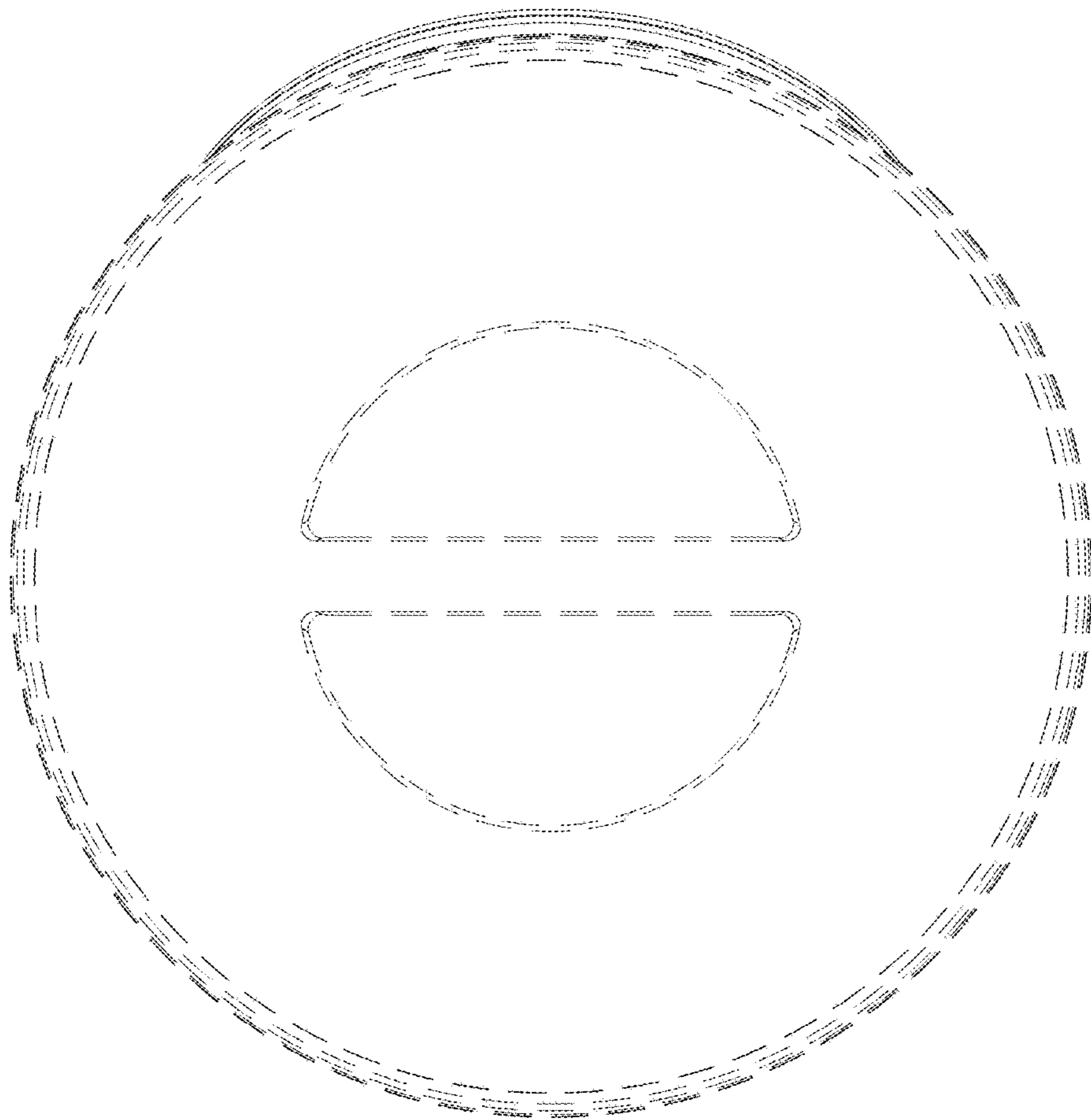


FIG 7