



US00D869275S

(12) **United States Design Patent** (10) **Patent No.:** **US D869,275 S**
Taunk (45) **Date of Patent:** **** Dec. 10, 2019**

(54) **DUAL SEAL TUBE CAP**

(71) Applicant: **AlphaGem Bio Inc.**, Newark, CA (US)

(72) Inventor: **Dale Singh Taunk**, Fremont, CA (US)

(73) Assignee: **AlphaGem Bio Inc.**, Newark, CA (US)

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

(21) Appl. No.: **29/644,269**

(22) Filed: **Apr. 16, 2018**

(51) **LOC (12) Cl.** **09-07**

(52) **U.S. Cl.**
USPC **D9/453**

(58) **Field of Classification Search**

USPC D3/202, 203.1, 203.2, 318; D7/300,
D7/300.1, 316, 317, 323, 354, 387, 391,
D7/392, 392.1, 396.1, 396.2, 397, 398,
D7/503, 509, 510, 511, 523, 526-531,
D7/538, 566, 568, 600.1, 602, 603, 614,
D7/619.1, 629, 704, 900; D8/14, 14.1,
D8/45; D9/434, 435, 440, 447, 452, 453,
D9/499, 516, 529, 686, 723; D23/259,
D23/260, 261; D24/121, 127, 199, 224
CPC B65D 2517/5091; B65D 41/04; B65D
23/12; B65D 1/0246; B65D 47/265;
B65D 47/065; B65D 51/24; B65D
51/224; B65D 51/245; B65D 2101/0015;
B65D 2251/0093; B65D 85/72; B65D
51/18; B65D 51/28; B65D 51/242; B65D
51/2814; B65D 51/2821; B65D 21/0228;
B65D 41/3447; B65D 1/02; A61L 9/12;
A47G 19/2205; A47G 19/2222; A47G
19/2266; A47G 19/2272; A47G 19/2294;
A47J 43/27; B05B 7/2437; B05C
17/00576

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,635,806 A * 1/1987 Williamson B65D 50/041
215/220
4,844,273 A * 7/1989 Hawkins B65D 41/0414
215/329

(Continued)

OTHER PUBLICATIONS

Plastic Cap: Announced Jul. 21, 2015 [online]. Site Visited [Jul. 31, 2019]. Available from Internet URL: <http://www.cospak.com.au/3841.html>.*

(Continued)

Primary Examiner — Jennifer Rivard

Assistant Examiner — Catherine S Posthauer

(74) *Attorney, Agent, or Firm* — Geeta Kadambi; Riddhi IP LLC

(57) **CLAIM**

The ornamental design for a dual seal tube cap, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of a dual seal tube cap, showing our new design; first perspective view of the dual seal tube cap.

FIG. 2 is a bottom perspective view thereof; showing second perspective view of the dual seal tube cap.

FIG. 3 is another bottom perspective view thereof; a bottom-up view of the dual seal tube cap.

FIG. 4 is a top plan view thereof; of the dual seal tube cap.

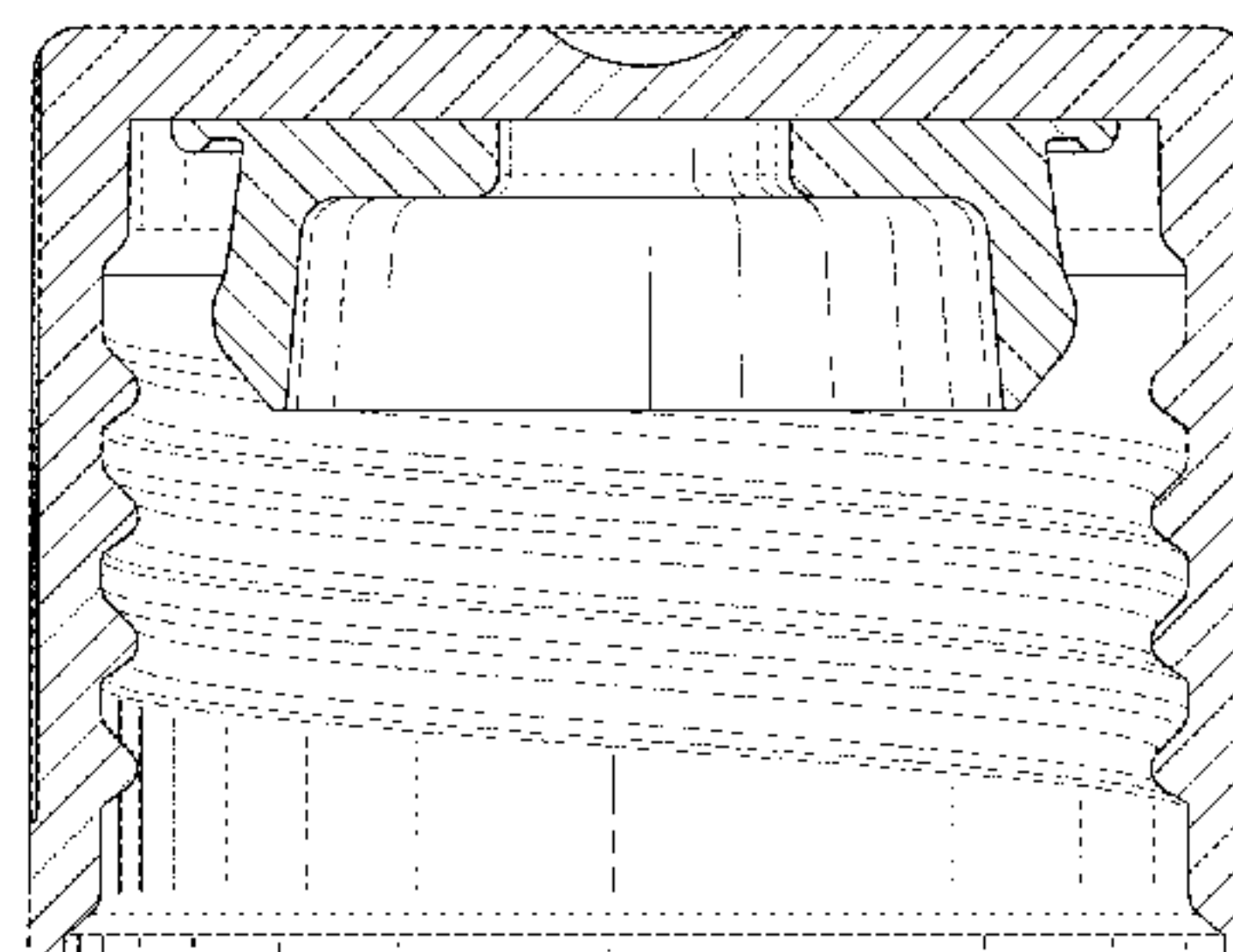
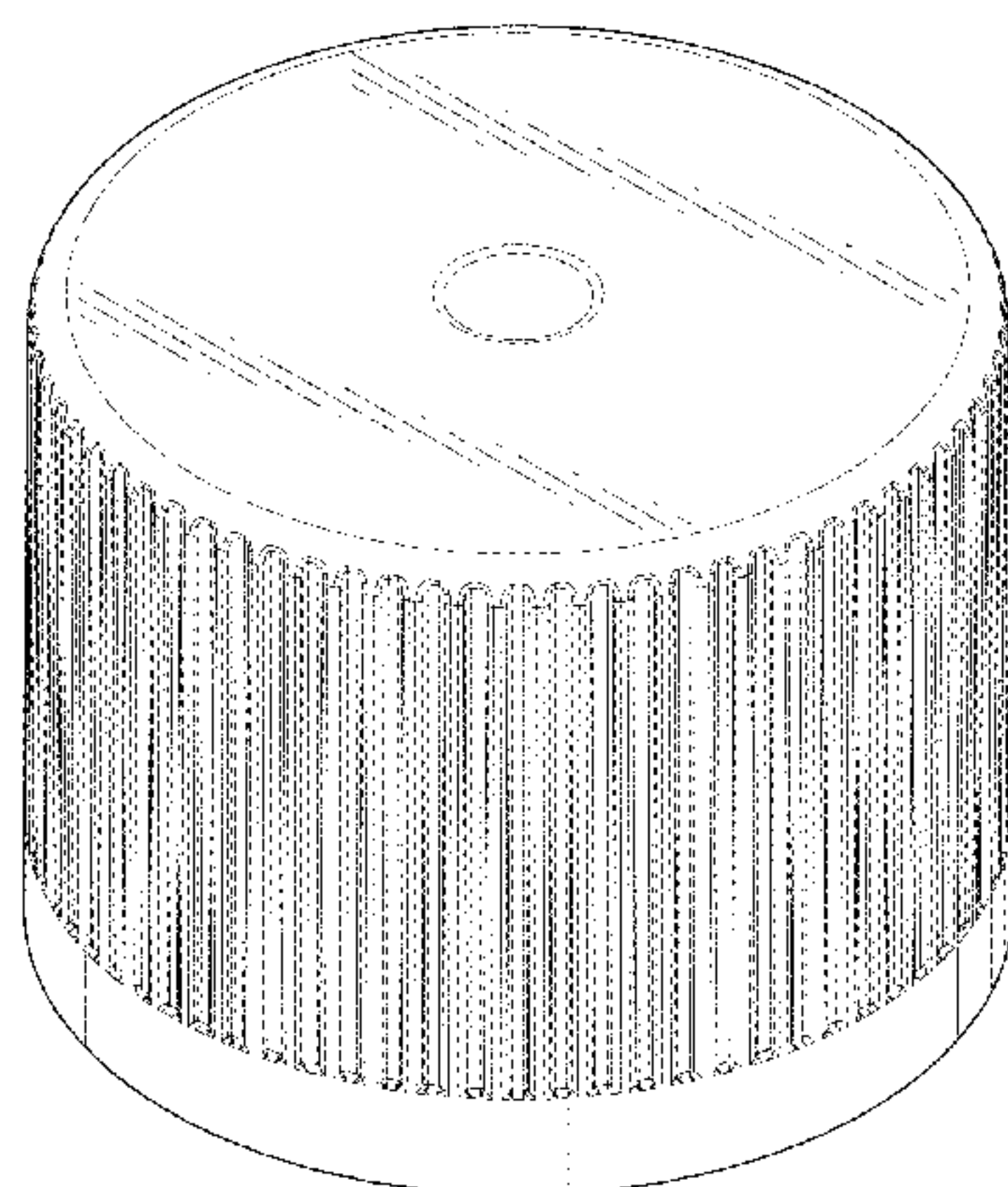
FIG. 5 is a bottom plan view thereof; of the dual seal tube cap.

FIG. 6 is a left side elevation view thereof; of the dual seal tube cap.

FIG. 7 is a right side elevation view thereof; of the dual seal tube cap; and,

FIG. 8 is a cross sectional view of the dual seal tube cap taken in the direction of line 8-8 on FIG. 4.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

4,895,265 A * 1/1990 Luch B26F 1/18
215/43
D407,978 S * 4/1999 Petro D9/453
6,112,923 A * 9/2000 Ma B65D 41/3428
215/252
D460,357 S * 7/2002 Kras D9/435
D465,731 S * 11/2002 Brant D9/453
6,581,793 B1 * 6/2003 Racine B65D 41/045
215/252
6,659,297 B2 * 12/2003 Gregory B65D 41/045
215/252
D518,717 S * 4/2006 German D9/453
D534,802 S * 1/2007 German D9/453
7,306,108 B2 * 12/2007 Cleevly B29C 43/18
215/252
D574,708 S * 8/2008 Reed D9/453
D578,889 S * 10/2008 Sadiq D9/453
D582,275 S * 12/2008 Reed D9/453
D584,149 S * 1/2009 Lohrman D9/453
D606,864 S * 12/2009 Robinson D9/453
D632,958 S * 2/2011 Fuchs D9/453
D762,115 S * 7/2016 Corvaglia D9/443
D763,691 S * 8/2016 Marantis D9/434
D838,171 S * 1/2019 Wood D9/453
2001/0027957 A1 * 10/2001 Kano B65D 41/0421
215/341
2002/0158037 A1 * 10/2002 Kano B65D 41/0421
215/341
2003/0132244 A1 * 7/2003 Birkmayer B65D 41/3442
222/83
2008/0067142 A1 * 3/2008 Druitt B65D 41/04
215/324
2008/0087625 A1 * 4/2008 Kumata B65D 41/0485
215/252
2009/0120896 A1 * 5/2009 Scarlata B65D 50/00
215/217

2010/0186848 A1 * 7/2010 Moorad B65D 47/103
141/1
2011/0290755 A1 * 12/2011 Taber B65D 41/00
215/329
2012/0031871 A1 * 2/2012 Molinaro B65D 1/023
215/44
2013/0205718 A1 * 8/2013 Kapolas B65D 79/005
53/408
2014/0158660 A1 * 6/2014 Wood B65D 41/0421
215/252
2014/0263335 A1 * 9/2014 Taber B65D 41/0421
220/276
2014/0319093 A1 * 10/2014 Tsujiguchi B65D 1/0246
215/44
2016/0288961 A1 * 10/2016 Maguire B65D 55/16
2017/0021978 A1 * 1/2017 Keener B65D 41/0414
2018/0079552 A1 * 3/2018 Ayeni B65D 21/0217
2019/0009953 A1 * 1/2019 Edie B65D 41/3447
2019/0016510 A1 * 1/2019 Woodley B65D 50/043
2019/0118989 A1 * 4/2019 Kim B65D 1/0246

OTHER PUBLICATIONS

5ml Chemistry Plastic Test Tube Set: Announced Feb. 23, 2019
[online]. Site Visited [Jul. 31, 2019]. Available from Internet URL:
<https://www.aliexpress.com/item/32812425298.html>.
Black Fine Ribbed Closure: Site Visited Jul. 18, 2019. Available
from Internet URL: <https://www.mjspackaging.com/15-415-black-fine-ribbed-pp-closure-with-f-217-foam-liner.html>.
Plastic Cap: Announced Oct. 17, 2018 [online]. Site Visited [Jul. 31,
2019]. Available from Internet URL: <https://www.turbosquid.com/3d-models/plastic-cap-model-1337758>.
Plastic Overcap: Announced Jul. 22, 2017 [online]. Site Visited [Jul.
18, 2019]. Available from Internet URL: http://plastics.silgan-closures.com/eu_en/product/319.

* cited by examiner

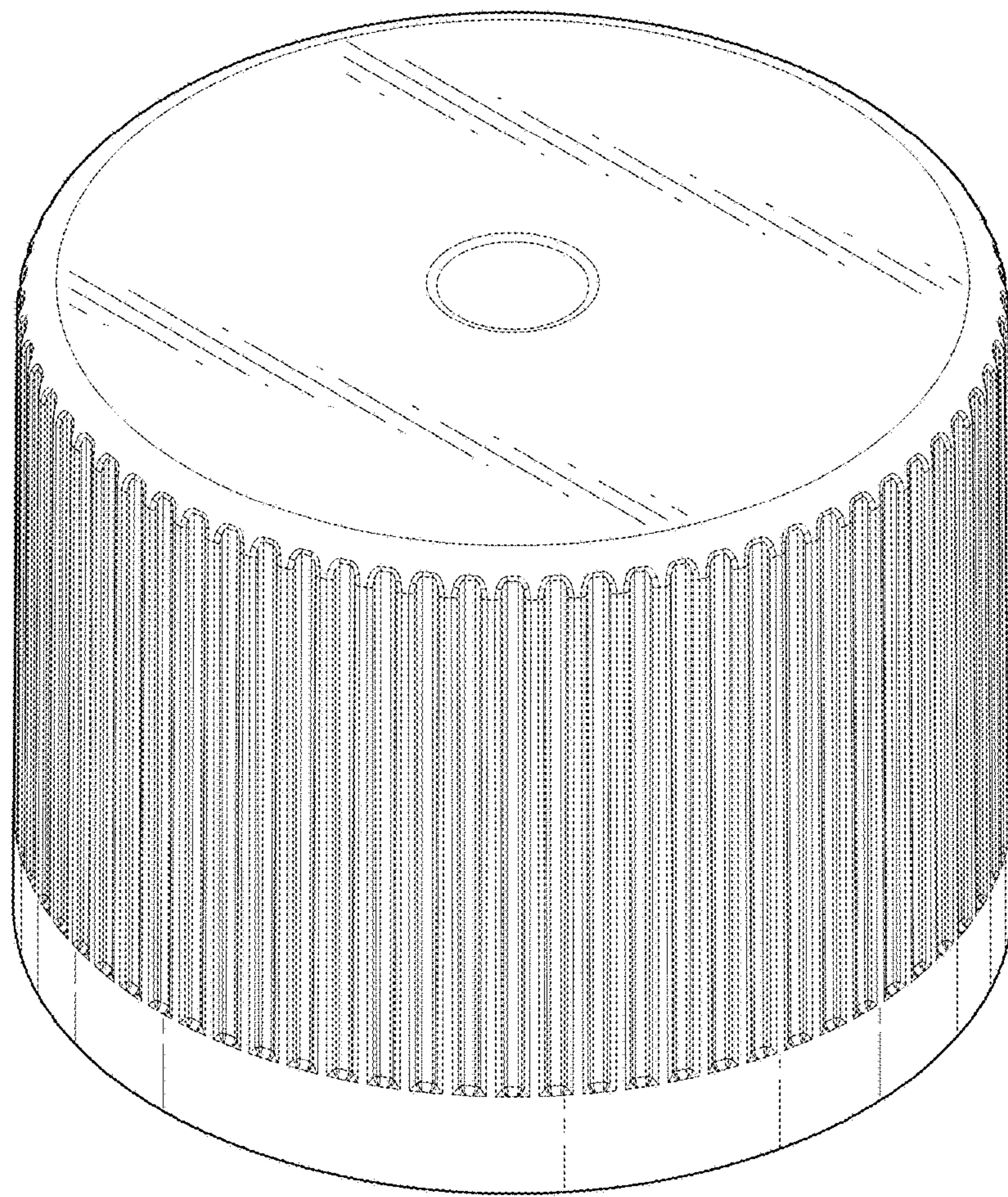


FIG. 1

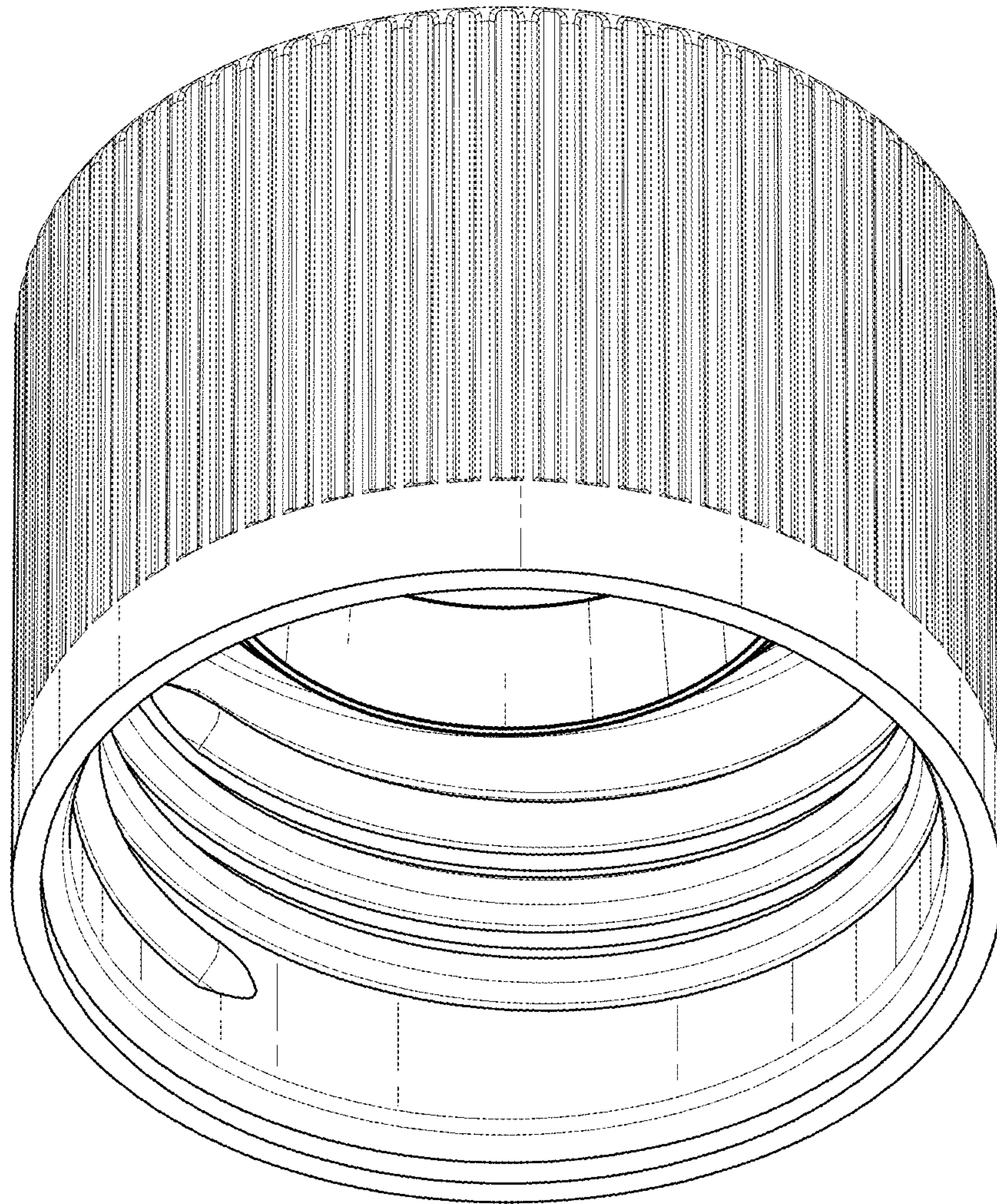


FIG. 2

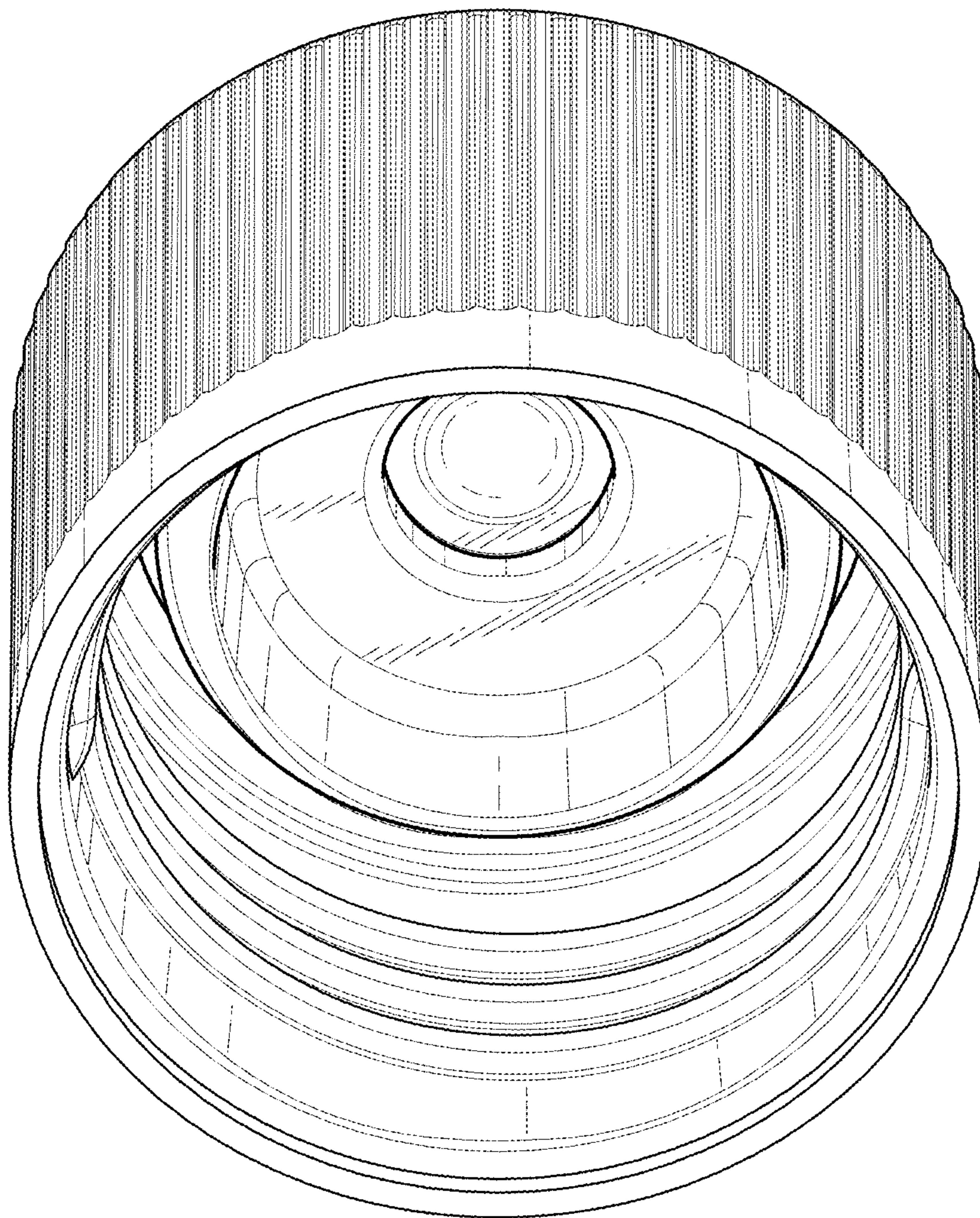


FIG. 3

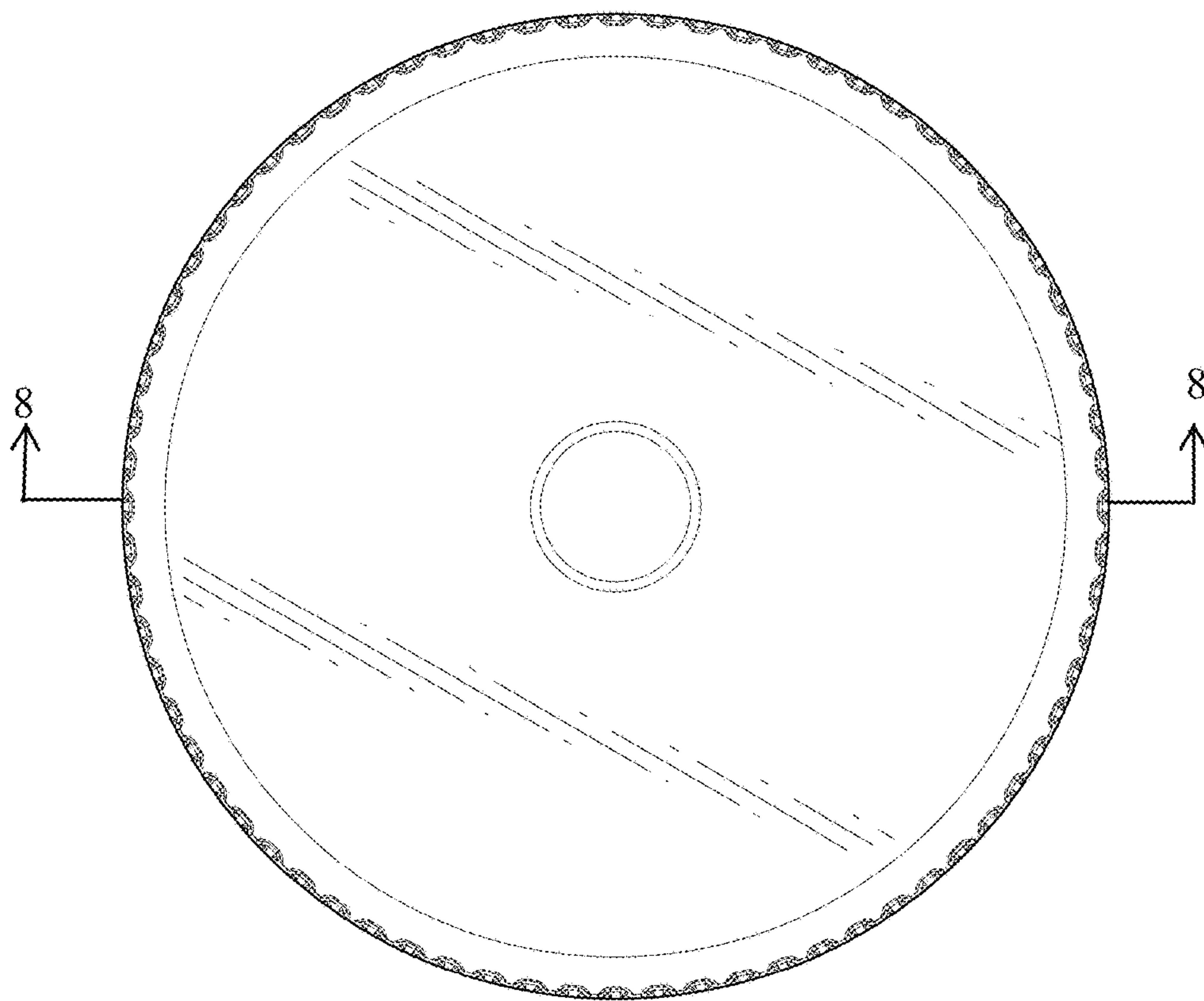


FIG. 4

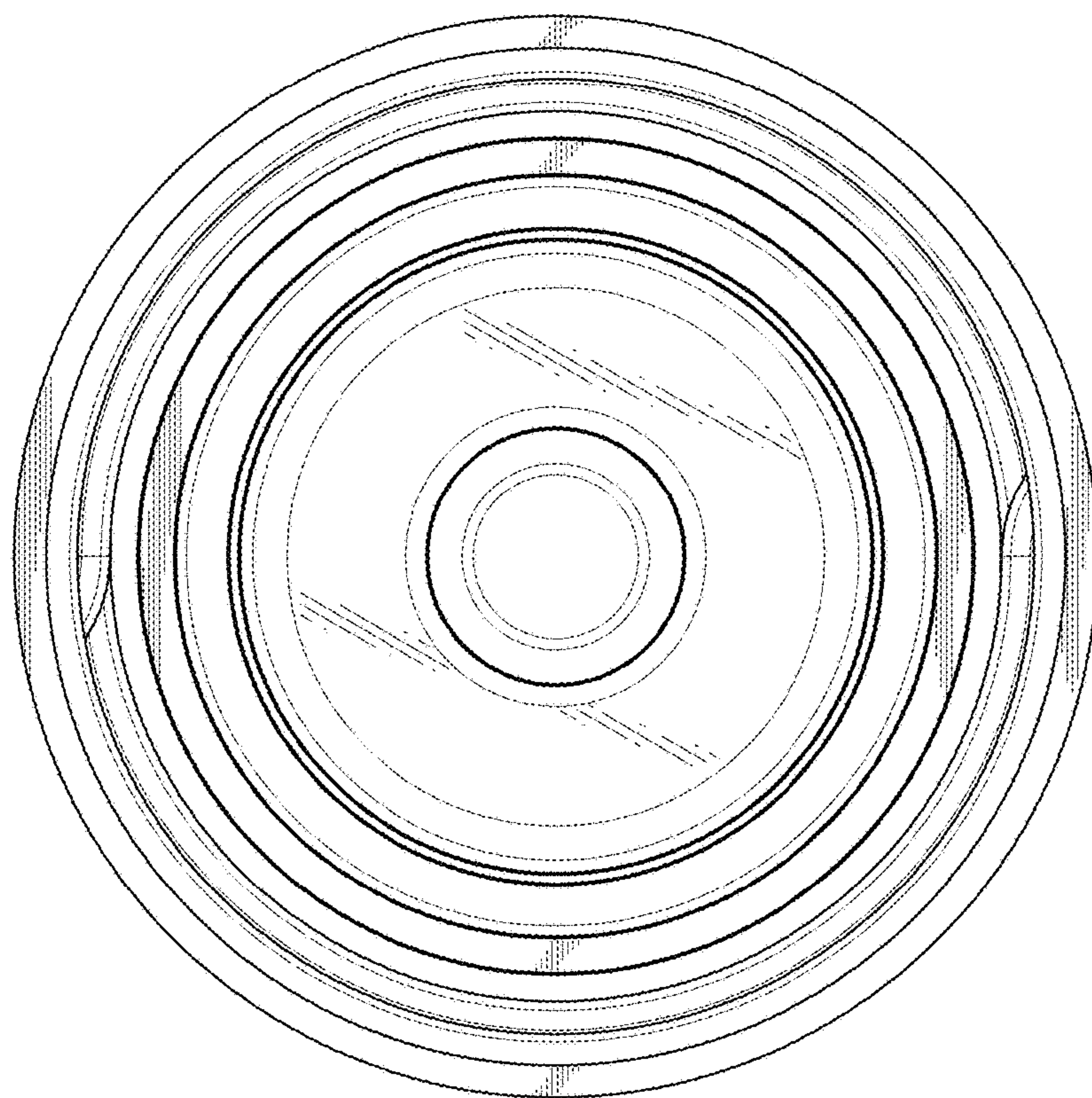


FIG. 5

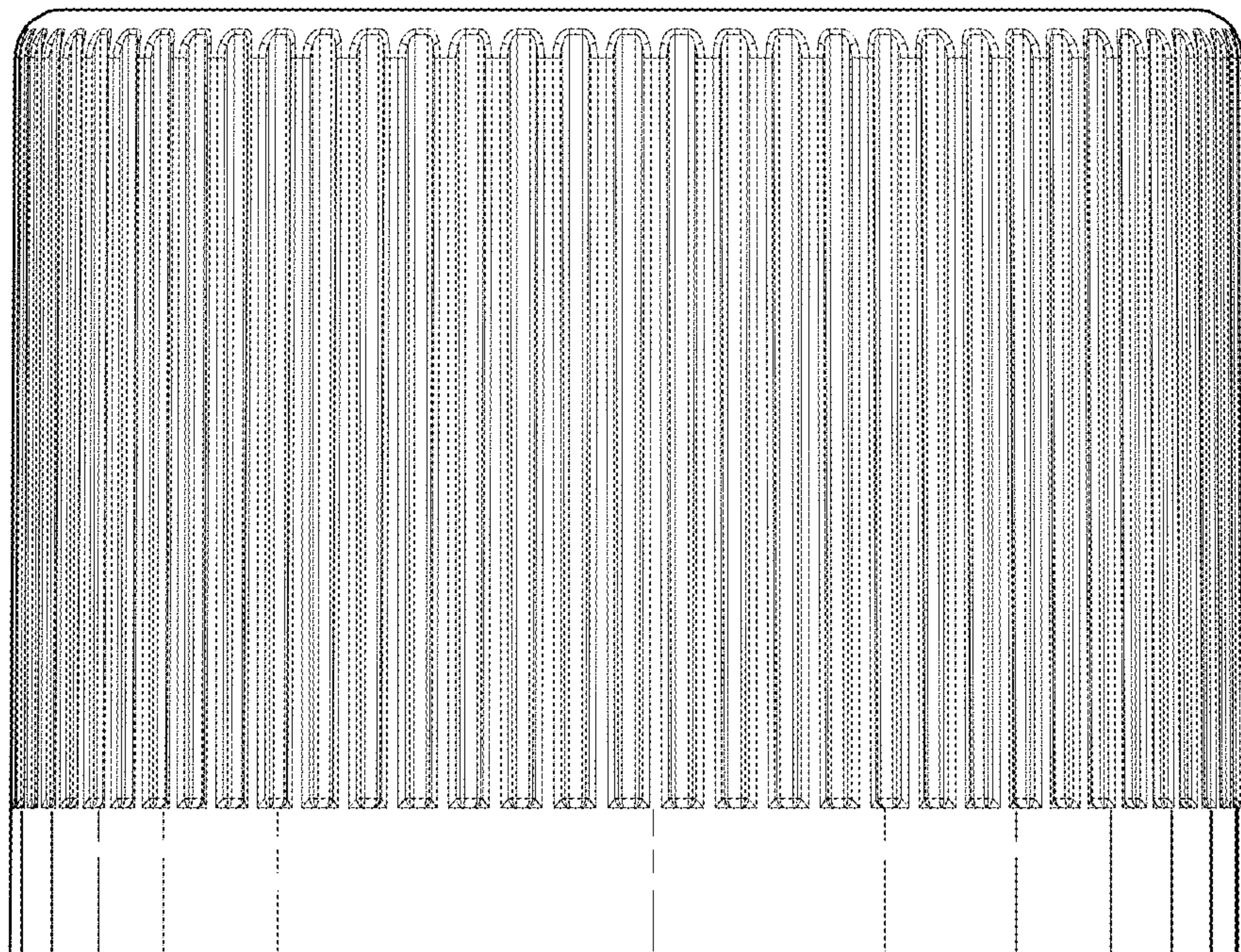


FIG. 6

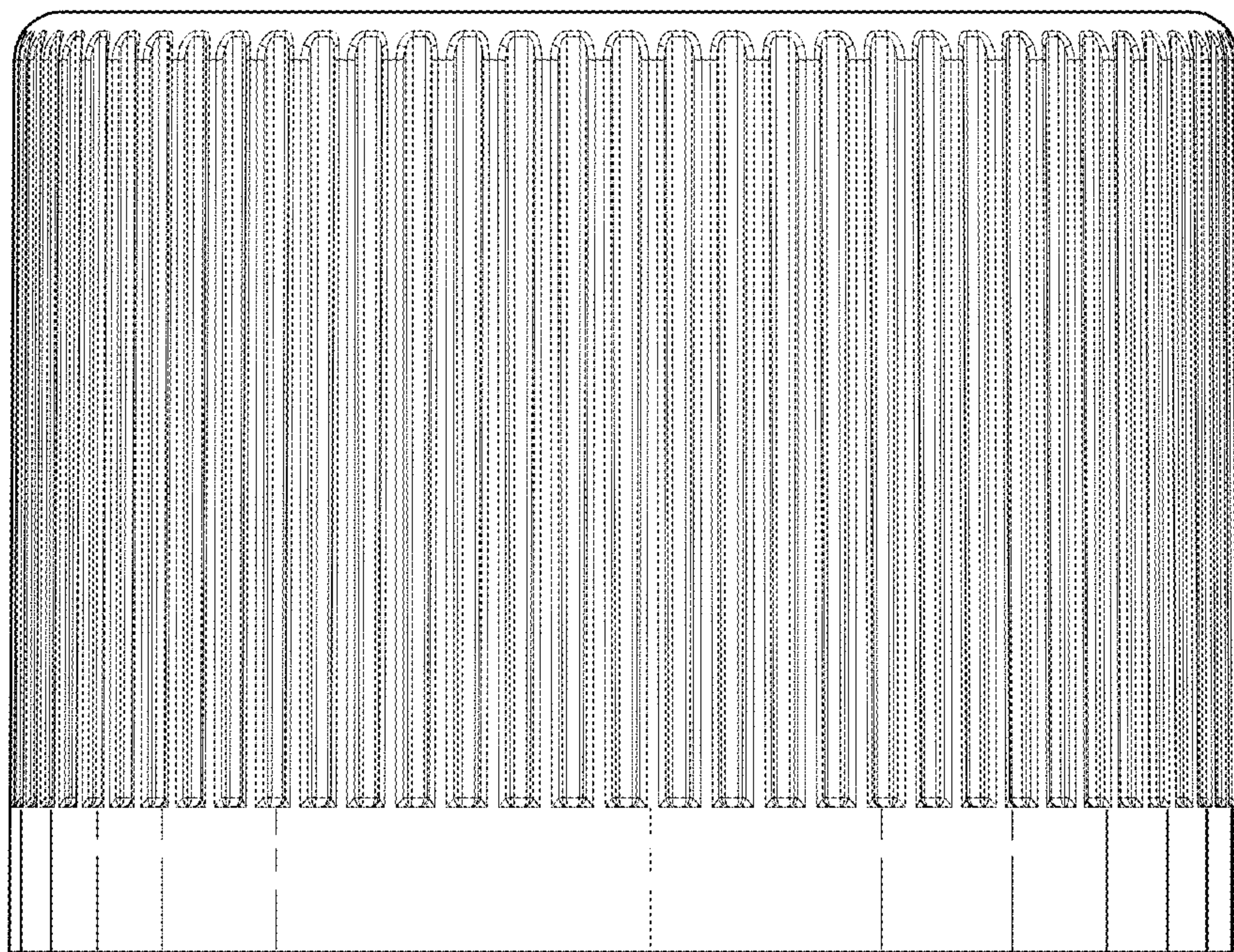


FIG. 7

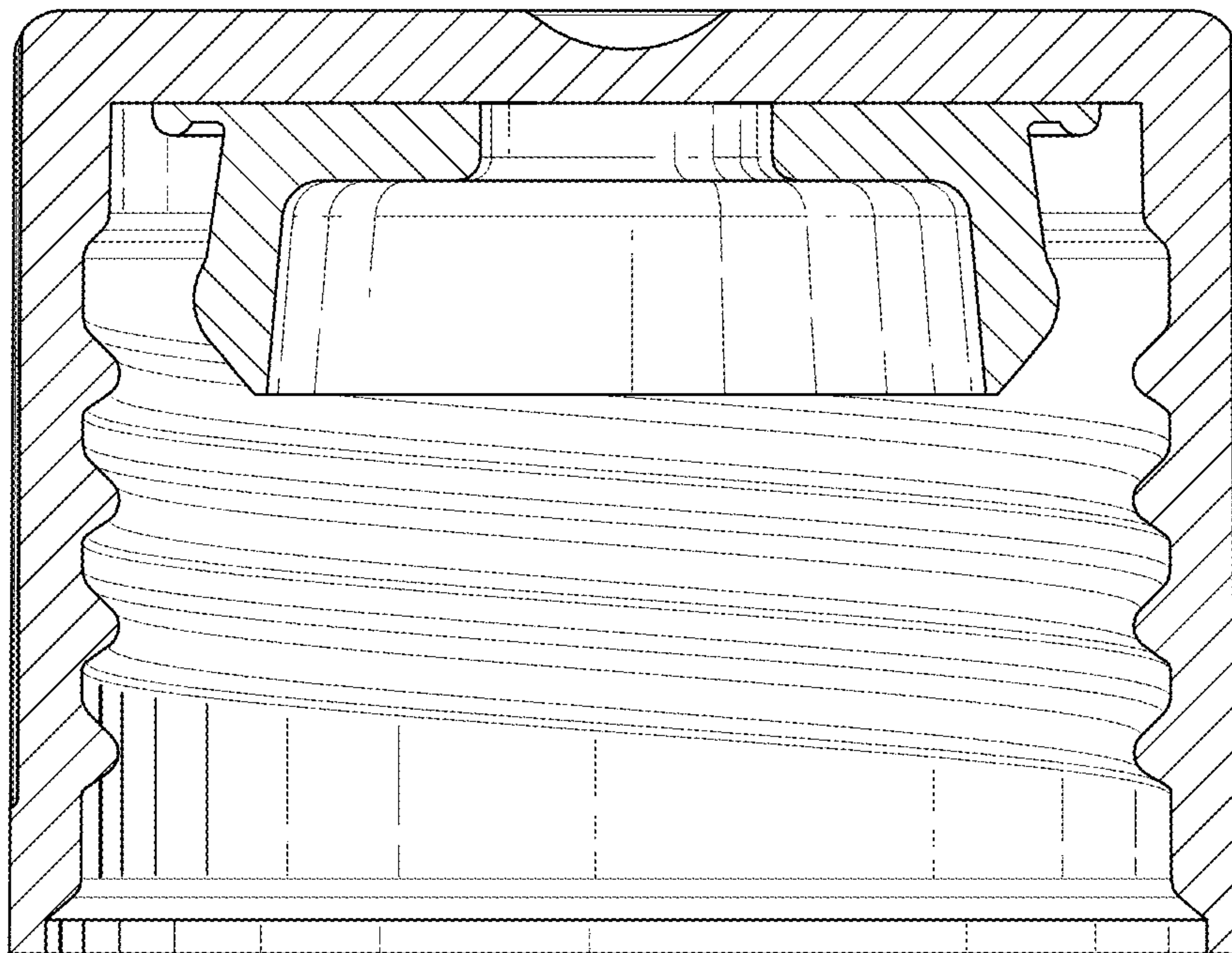


FIG. 8