

US00D930788S

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

(10) **Patent No.:** **US D930,788 S**

(45) **Date of Patent:** **** Sep. 14, 2021**

(54) **FILTER CARTRIDGE**

(71) Applicant: **The United State of America as represented by the Secretary of the Army, Washington, DC (US)**

(72) Inventor: **Marc L. Roth, Owens Cross Roads, AL (US)**

(73) Assignee: **The United States of America as represented by the Secretary of the Army, Washington, DC (US)**

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

(21) Appl. No.: **29/732,318**

(22) Filed: **Apr. 23, 2020**

(51) **LOC (13) Cl.** **23-01**

(52) **U.S. Cl.**
USPC **D23/209**

(58) **Field of Classification Search**
USPC D23/209, 235, 341, 358, 363-365;
D15/5
CPC B01D 46/0002; B01D 46/10; F02M 35/04;
F02M 35/10; F02M 35/024
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D533,622 S *	12/2006	Ross	.....	D23/209
7,617,939 B2 *	11/2009	Klump	.....	C02F 1/001 137/562
D681,773 S *	5/2013	Sugie	.....	D23/209
D681,774 S *	5/2013	Sugie	.....	D23/209
9,004,290 B2 *	4/2015	Tanner	.....	E03C 1/0404 210/416.3
D731,619 S *	6/2015	Smith	.....	D23/209
D777,295 S *	1/2017	Griffis	.....	D23/209
D794,747 S *	8/2017	Kimura	.....	D23/207
D794,748 S *	8/2017	Kimura	.....	D23/207
D816,798 S *	5/2018	Rayle	.....	D23/209

D822,791 S *	7/2018	Kawai	.....	D23/207
D822,792 S *	7/2018	Kawai	.....	D23/207
D880,655 S *	4/2020	Wei	.....	D23/209
D912,762 S *	3/2021	Horner	.....	D23/209

(Continued)

OTHER PUBLICATIONS

Lequan Water Filter, Nov. 27, 2019, Amazon.com, May 14, 2021.
URL <https://www.amazon.com/LEQUAN-Filters-Suitable-Standard-purifiers-pollutants/dp/B082384LXQ/> (Year: 2019).*

(Continued)

Primary Examiner — Jack Reickel
Assistant Examiner — Keith J Wilson

(57) **CLAIM**

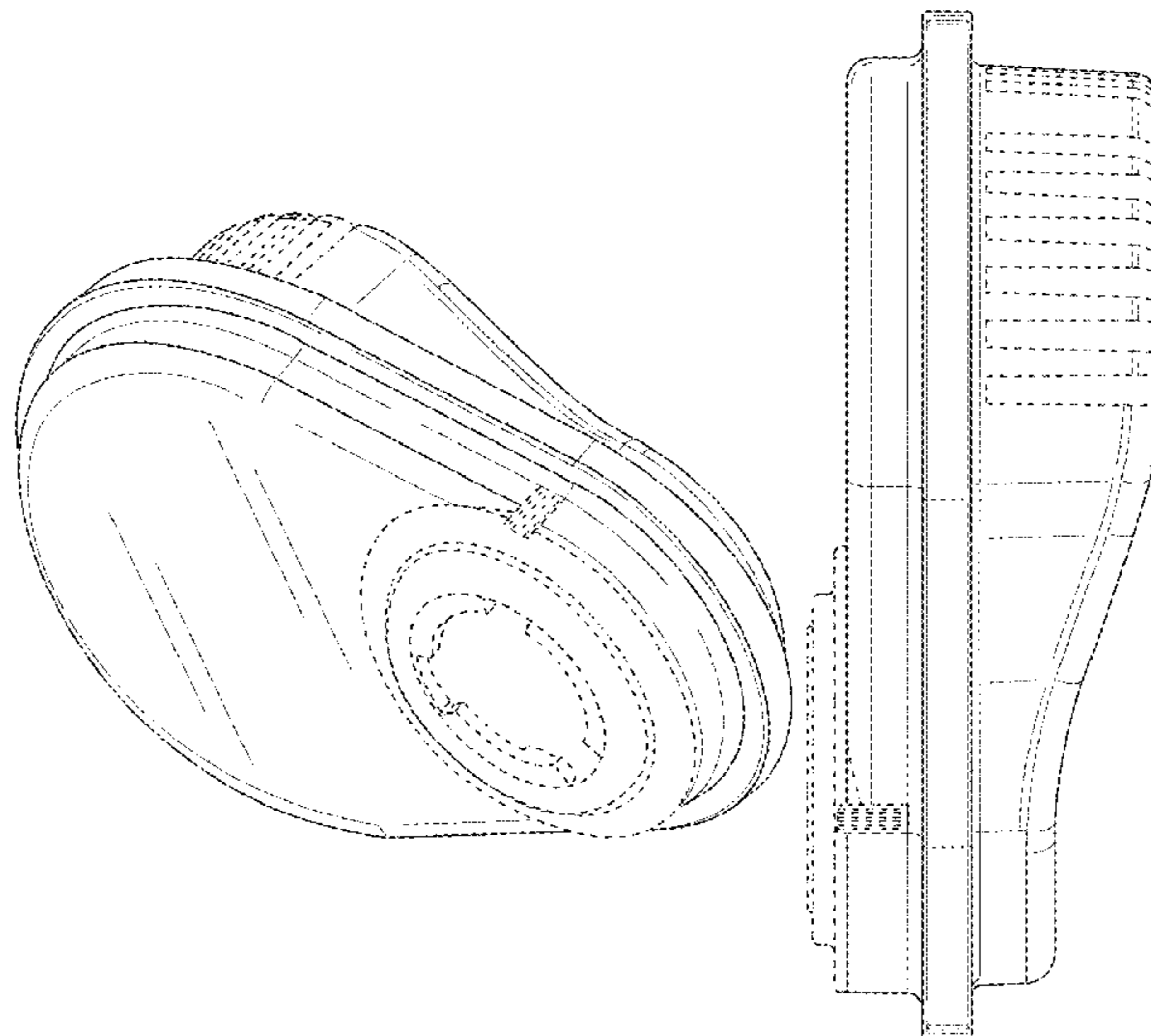
I claim the ornamental design for a filter cartridge, as shown and described.

DESCRIPTION

FIG. 1 is a rear bottom perspective view of a filter cartridge; FIG. 2 is a rear view of the filter cartridge depicted in FIG. 1; FIG. 3 is a front view of the filter cartridge depicted in FIG. 1; FIG. 4 is a right-side view of the filter cartridge depicted in FIG. 1; and FIG. 5 is a left-side view of the filter cartridge depicted in FIG. 1; and FIG. 6 is a bottom view of the filter cartridge depicted in FIG. 1; and, FIG. 7 is a top view of the filter cartridge depicted in FIG. 1.

The broken lines immediately adjacent to the shaded area define the bounds of the claimed design and form no part thereof; the remaining broken lines showing a filter cartridge are for the purpose of illustrating portions of the article and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D914,187 S * 3/2021 Bink D23/365
D915,550 S * 4/2021 Gwen D23/209
D919,070 S * 5/2021 Niedermann D23/364
11,000,860 B2 * 5/2021 Wu E03C 1/0408
2021/0129161 A1 * 5/2021 Xu B05B 1/18

OTHER PUBLICATIONS

DuPont Sink Water Filter, Mar. 2, 2007, Amazon.com May 14, 2021. URL: <https://www.amazon.com/DuPont-WFFM100XCH-Premier-Faucet-Drinking/dp/B007VZ2KOQ> (Year: 2007).*

BRITA On Tap Water Filter, May 9, 2019, Youtube.com, Jun. 24, 2021, URL: https://www.youtube.com/watch?v=gU_2YMn3Fio (Year: 2019).*

3M Reusable Half Face Mask Respirator 7502, Aug. 28, 2016, Youtube.com, Jun. 24, 2021, URL: <https://www.youtube.com/watch?v=mMZzq6JVjIM> (Year: 2016).*

* cited by examiner

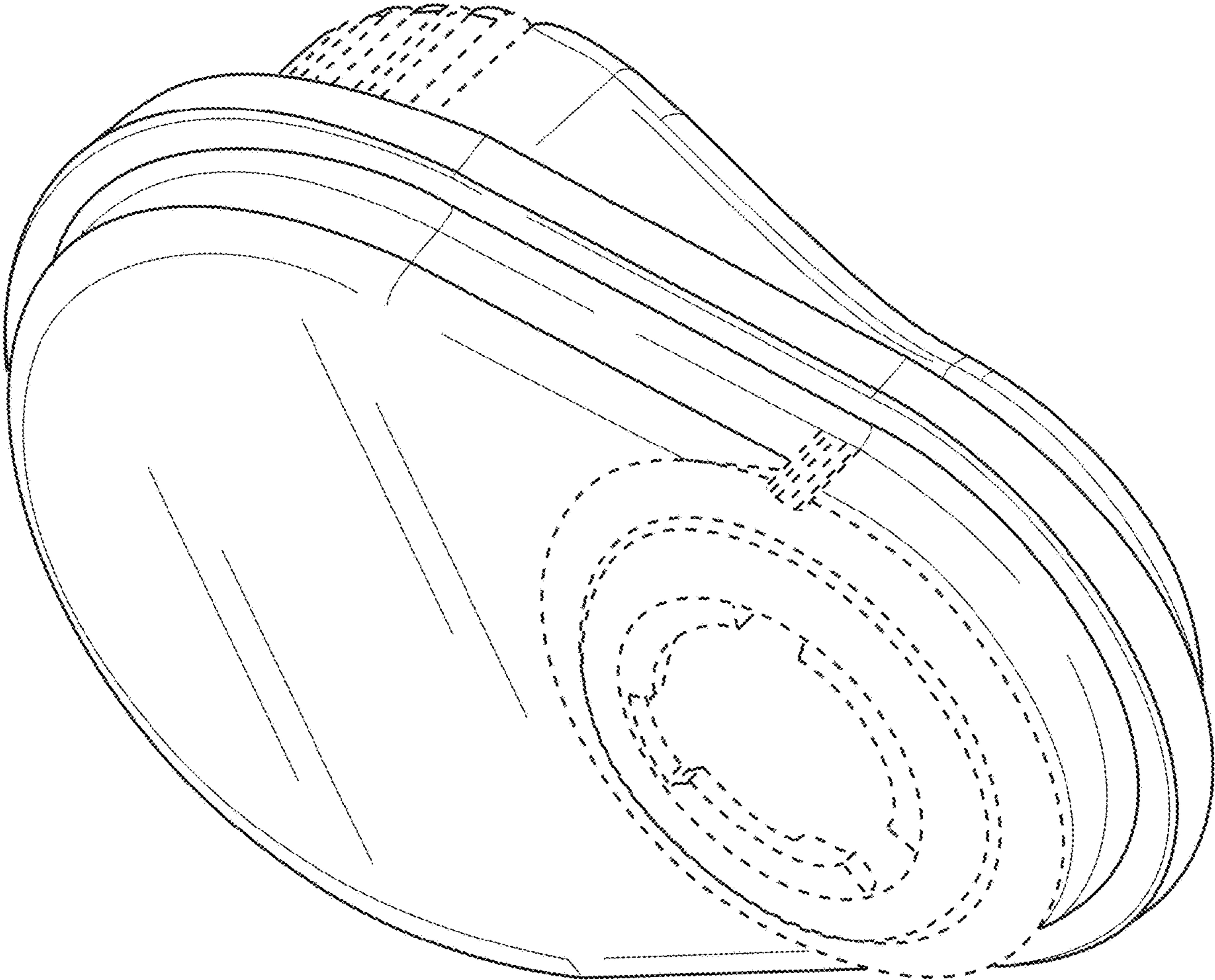


FIG. 1

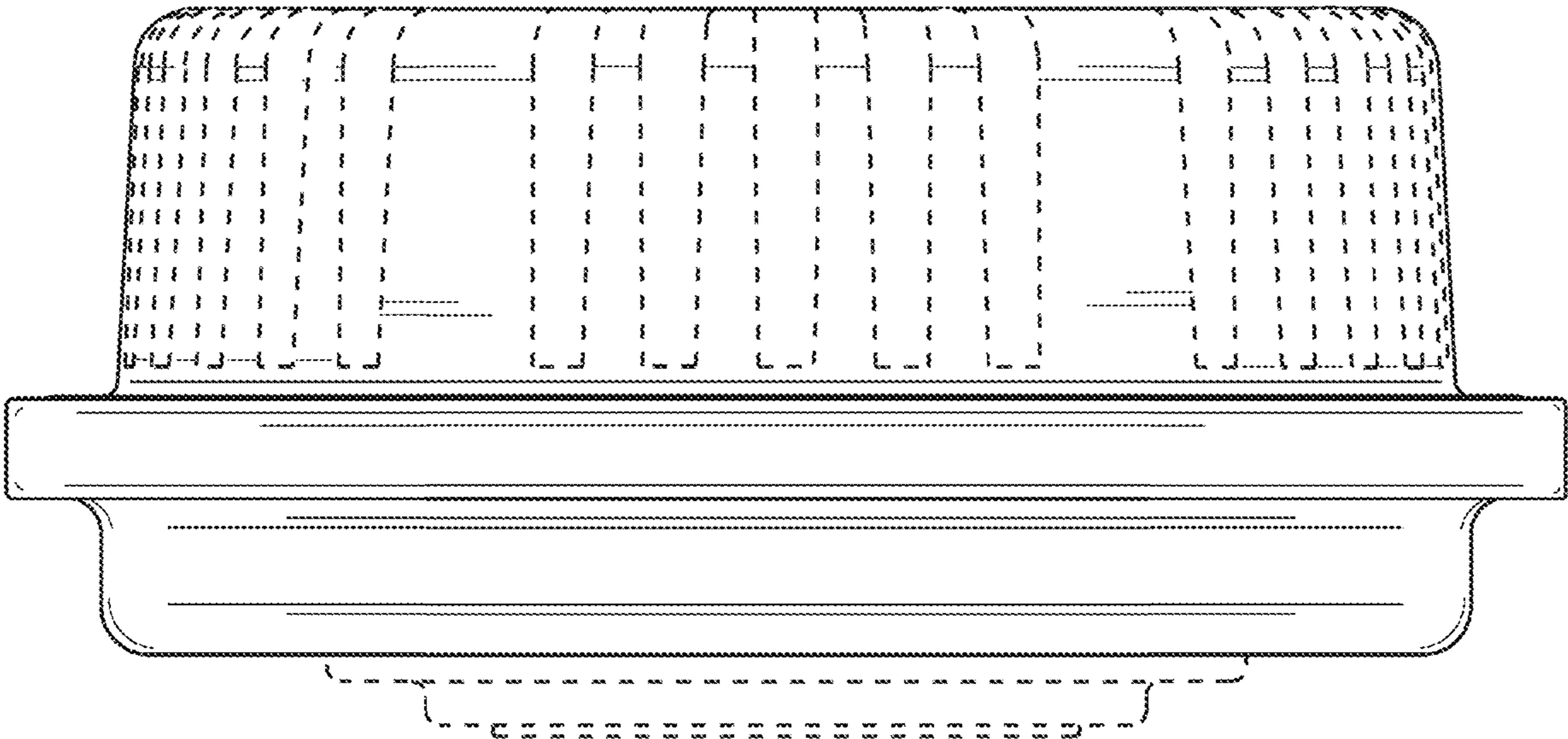


FIG. 2

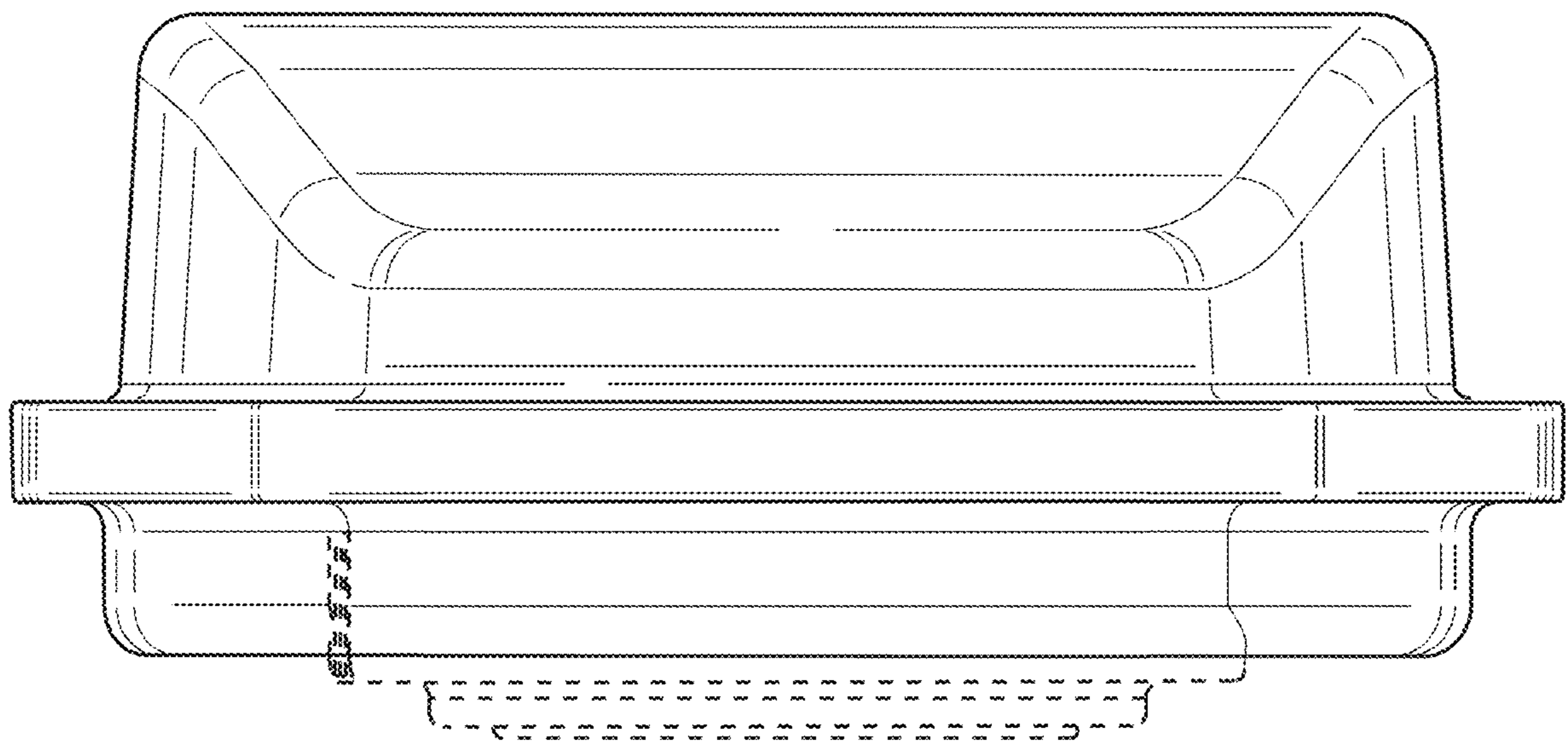


FIG. 3

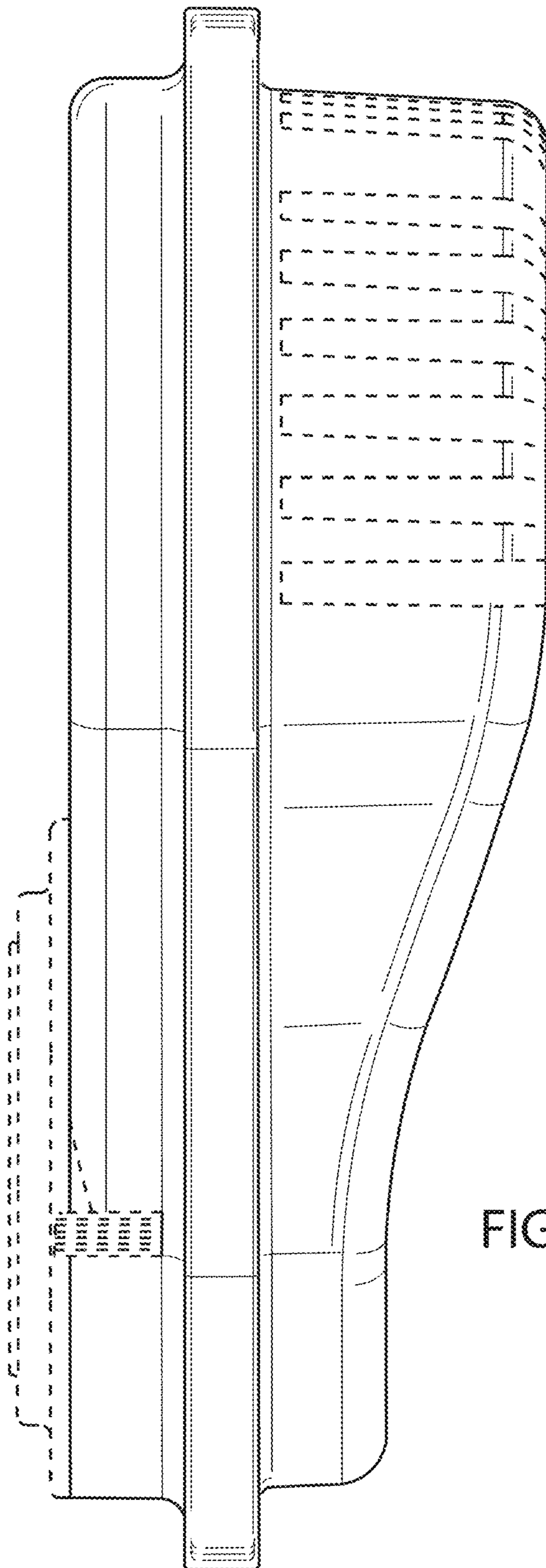


FIG. 4

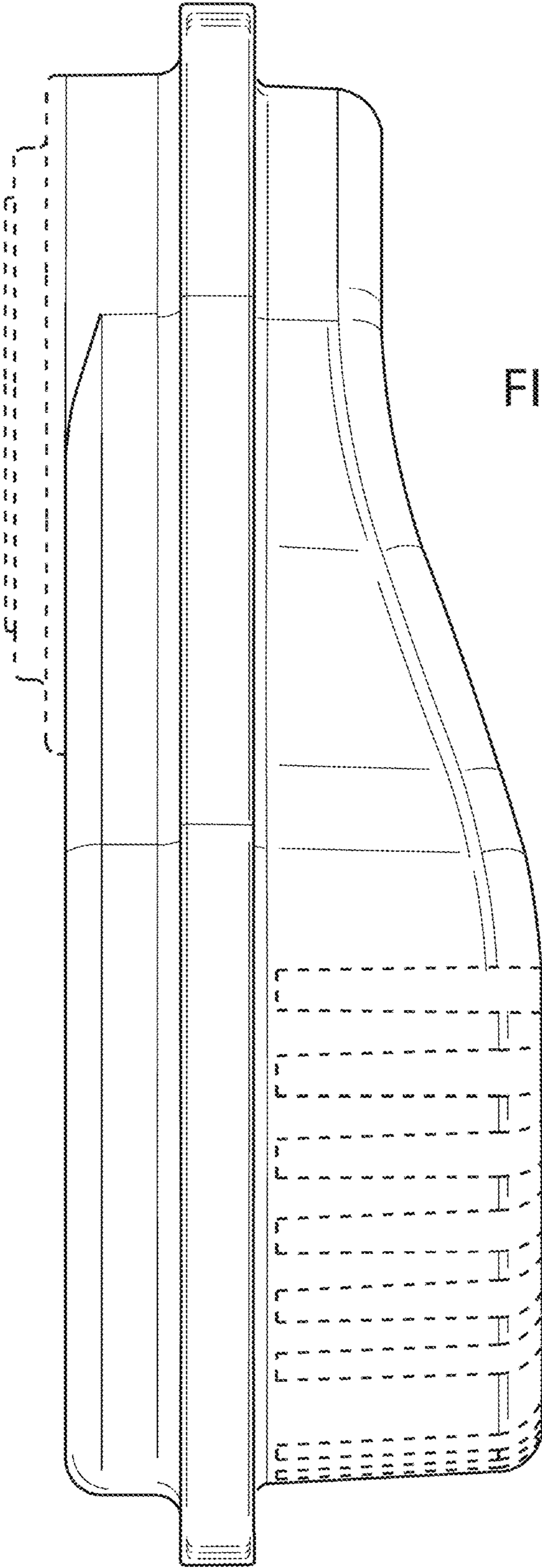


FIG. 5

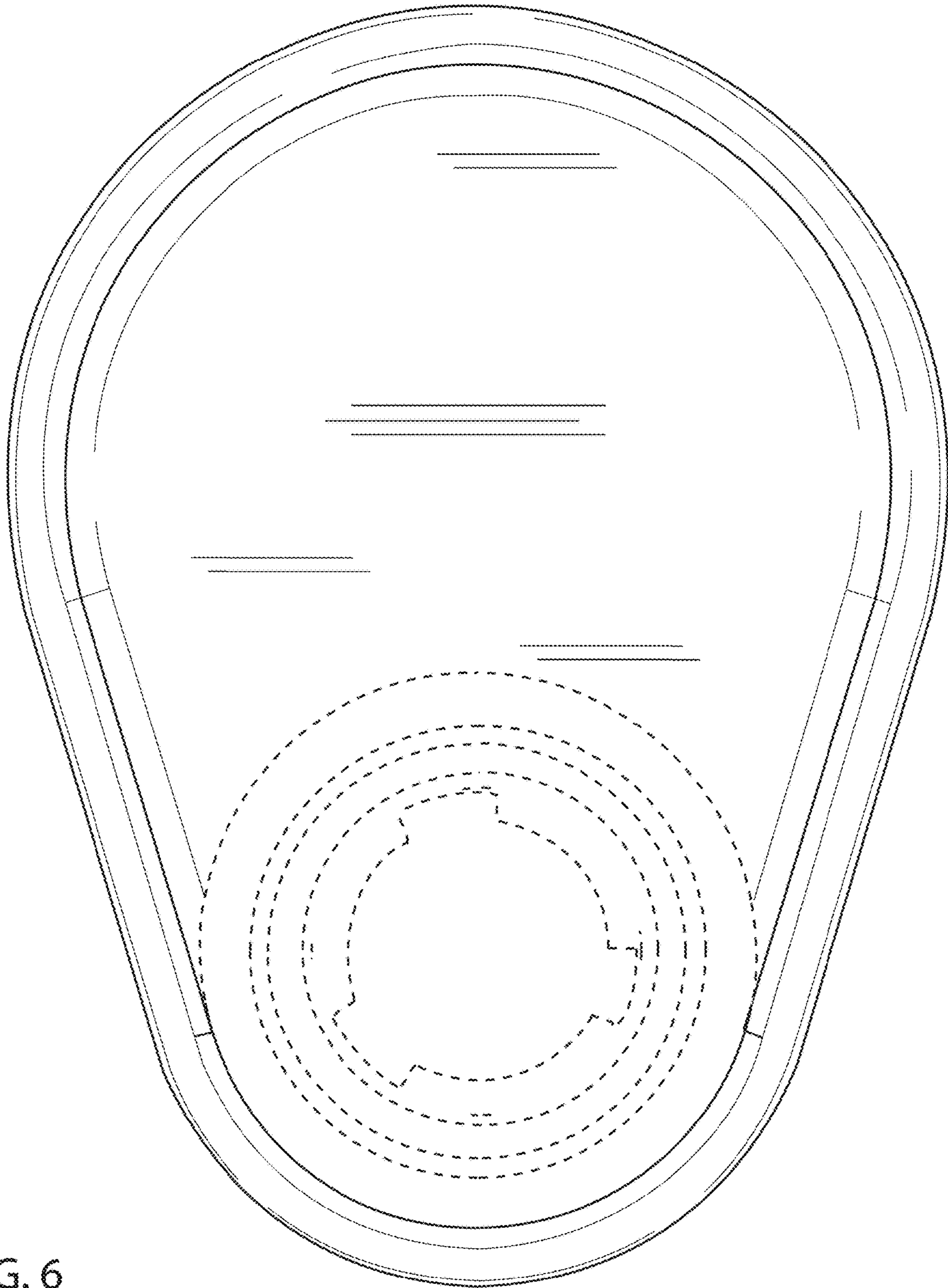


FIG. 6

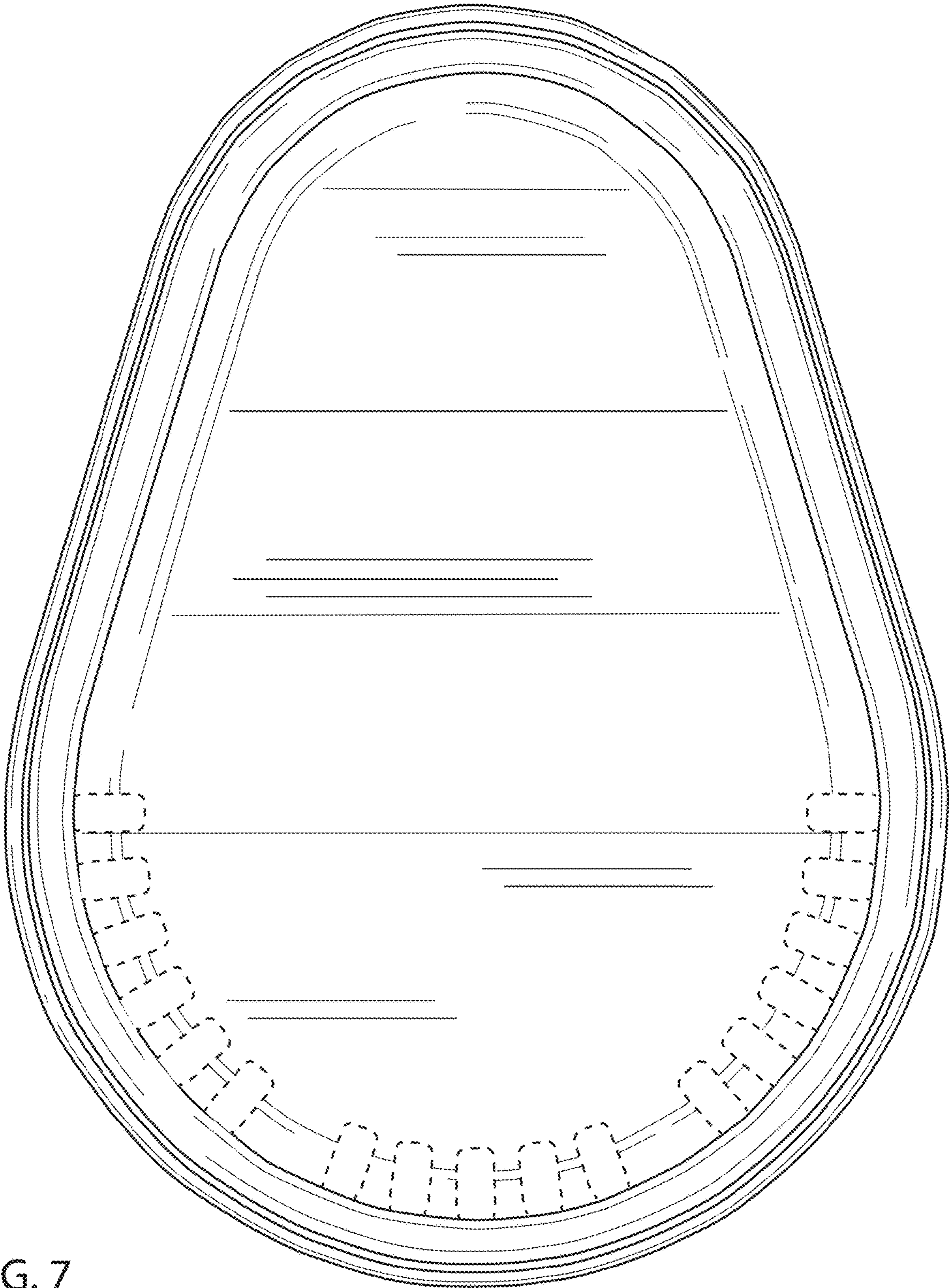


FIG. 7