



US00D926404S

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

(10) **Patent No.:** **US D926,404 S**
(45) **Date of Patent:** **** Jul. 27, 2021**

(54) **VACUUM MACHINE**
(71) Applicant: **Tianxu Luo**, Guangde (CN)
(72) Inventor: **Tianxu Luo**, Guangde (CN)
(**) Term: **15 Years**
(21) Appl. No.: **29/716,609**
(22) Filed: **Dec. 11, 2019**
(51) **LOC (13) Cl.** **15-05**
(52) **U.S. Cl.**
USPC **D32/23**
(58) **Field of Classification Search**
USPC D32/17, 18, 19, 21, 22, 23, 31; D7/509,
D7/511, 590, 608; D8/70; D9/516, 537,
D9/564; D14/213, 214, 215, 216;
D23/202, 205
CPC ... A47L 5/24; A47L 5/365; A47L 5/38; A47L
7/0023; A47L 7/0047; A47L 7/0052;
A47L 7/009; A47L 9/0036; A47L 9/0673;
A47L 9/127; A47L 9/1409; A47L 9/1683;
A47L 9/1666; A47L 11/22; A47L 11/30;
B01D 2279/55; B04C 5/08; B04C 5/18;
B04C 2009/004; B23Q 11/0046; B23Q
11/0071; Y10S 55/03; E04H 4/1636
See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS
2,007,631 A * 7/1935 Bieth A47L 5/362
415/182.1
D127,612 S * 6/1941 Guild D32/24
D132,697 S * 6/1942 Frantz D32/24
2,307,538 A * 1/1943 Paulus A47L 9/22
248/634
2,337,364 A * 12/1943 Ashbaugh A47L 5/362
15/323
D149,477 S * 5/1948 Dreyfuss D32/24
D149,479 S * 5/1948 Dreyfuss D32/24
D150,220 S * 7/1948 Geistert D32/24

2,450,172 A * 9/1948 Stoner A47L 9/0027
15/323
2,464,401 A * 3/1949 Kelly A47L 9/22
415/201
D153,271 S * 4/1949 Ernof D32/24
D158,134 S * 4/1950 Schory D32/24
D158,441 S * 5/1950 Cherry D32/24
D175,495 S * 9/1955 Conord D32/24
(Continued)

FOREIGN PATENT DOCUMENTS

CN 305661983 * 3/2020

OTHER PUBLICATIONS

Air Purifier Air Cleaner for Home with H12 HEPA Filter, available in www.newegg.com, date first available Jul. 2, 2020 [online], [site visited May 28, 2021], Available from the internet URL <https://www.newegg.com/p/101-00T7-00001> (Year: 2020).*
(Continued)

Primary Examiner — Dana K Weiland
Assistant Examiner — Jennylou M Binas

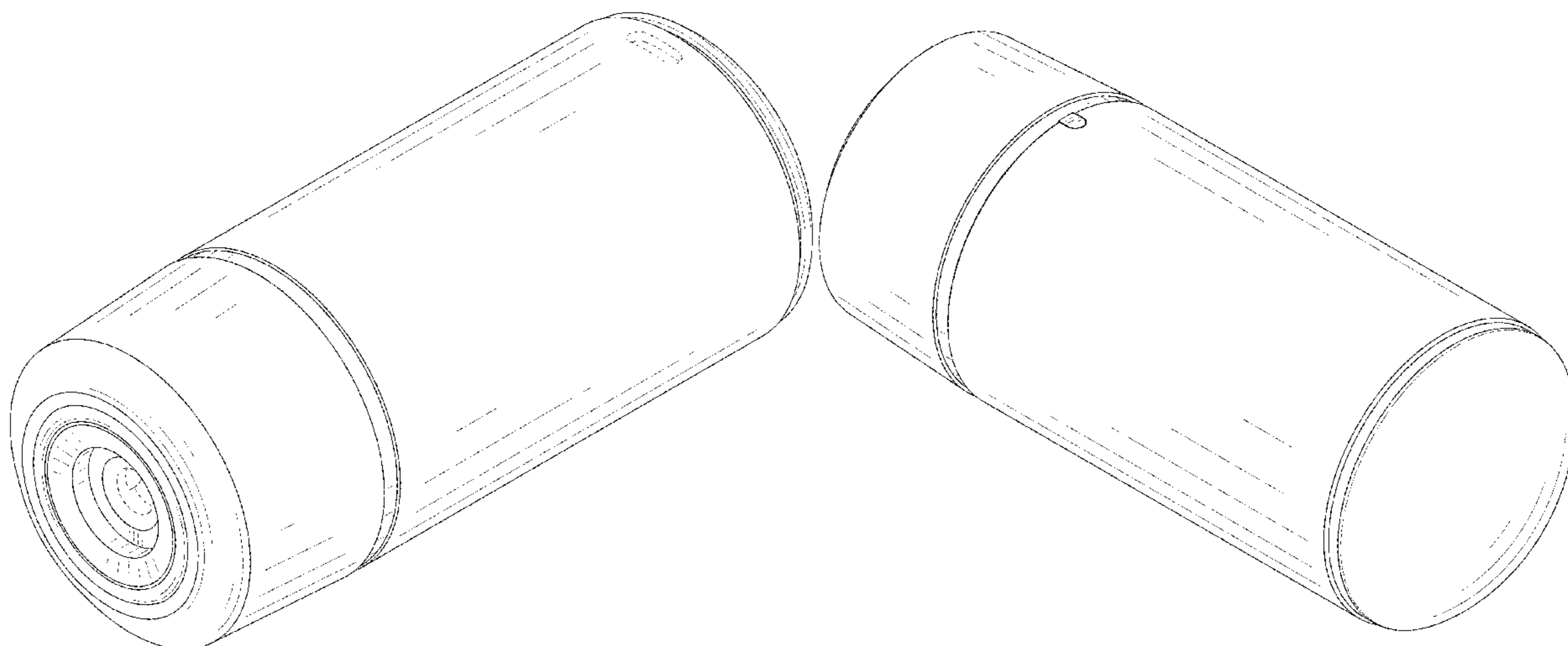
(57) **CLAIM**

The ornamental design for a vacuum machine, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a vacuum machine showing my new design;
FIG. 2 is another perspective view thereof;
FIG. 3 is a front elevational view thereof;
FIG. 4 is a rear elevational view thereof;
FIG. 5 is a left side elevational view thereof;
FIG. 6 is a right side elevational view thereof;
FIG. 7 is a top plan view thereof; and,
FIG. 8 is a bottom plan view thereof.
The broken lines in the drawings depict portions of the vacuum machine that form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2,848,731 A * 8/1958 Tamarin A47L 9/26
15/323
D303,856 S * 10/1989 Yuen D32/18
5,329,778 A * 7/1994 Padamsee A47J 41/0044
215/13.1
D371,304 S * 7/1996 Onneweer D7/511
D497,778 S * 11/2004 Rich D7/608
D518,369 S * 4/2006 Haber D9/424
D521,695 S * 5/2006 Jacobs D32/24
D527,502 S * 8/2006 Yoshimoto D32/24
D586,182 S * 2/2009 Trombly D7/509
D599,168 S * 9/2009 Alviar D7/510
D610,871 S * 3/2010 Alviar D7/510
D631,372 S * 1/2011 Poyner D9/772
D675,881 S * 2/2013 Wamack, Jr. D7/608
D709,734 S * 7/2014 Kotani D7/608
D737,149 S * 8/2015 Son D9/688
D760,542 S * 7/2016 Vu D7/511
D798,594 S * 10/2017 Boler D3/273
D831,434 S * 10/2018 Washburn D7/608
D836,760 S * 12/2018 Fredang D23/364
D868,402 S * 11/2019 Luo D32/18
D871,844 S * 1/2020 Adams, Jr. D7/510
D878,156 S * 3/2020 Rittri D7/511
D899,719 S * 10/2020 Liu D32/21

OTHER PUBLICATIONS

Car Air Purifier Negative Ions Air Cleaner Ionizer Air Freshener Eliminator Cup Car Charger, available in www.newegg.com, date first available Jul. 4, 2020 [online], [site visited May 28, 2021], Available from the internet URL: <https://www.newegg.com/p/101-00KK-00012> (Year: 2020).*

* cited by examiner

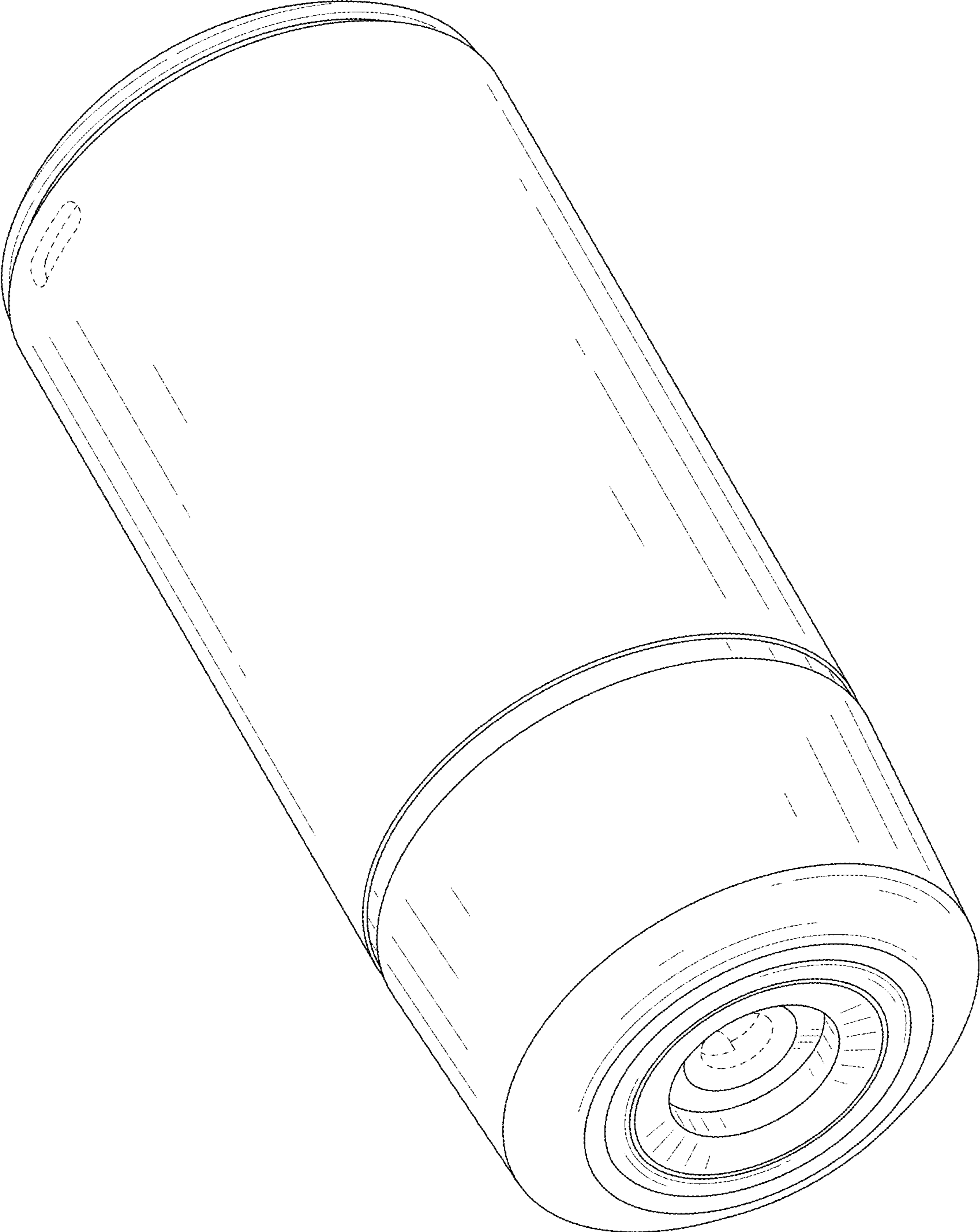


FIG. 1

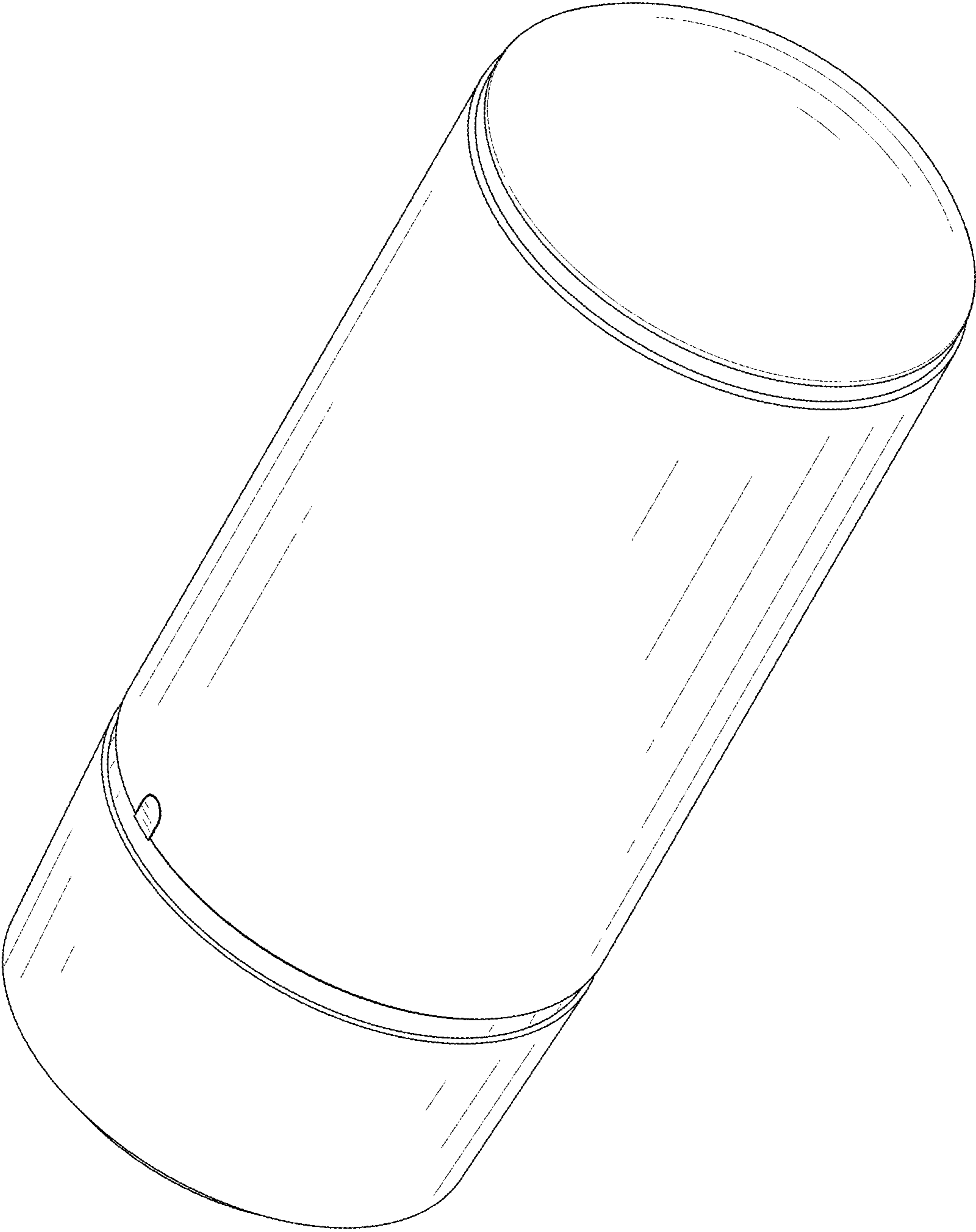


FIG. 2

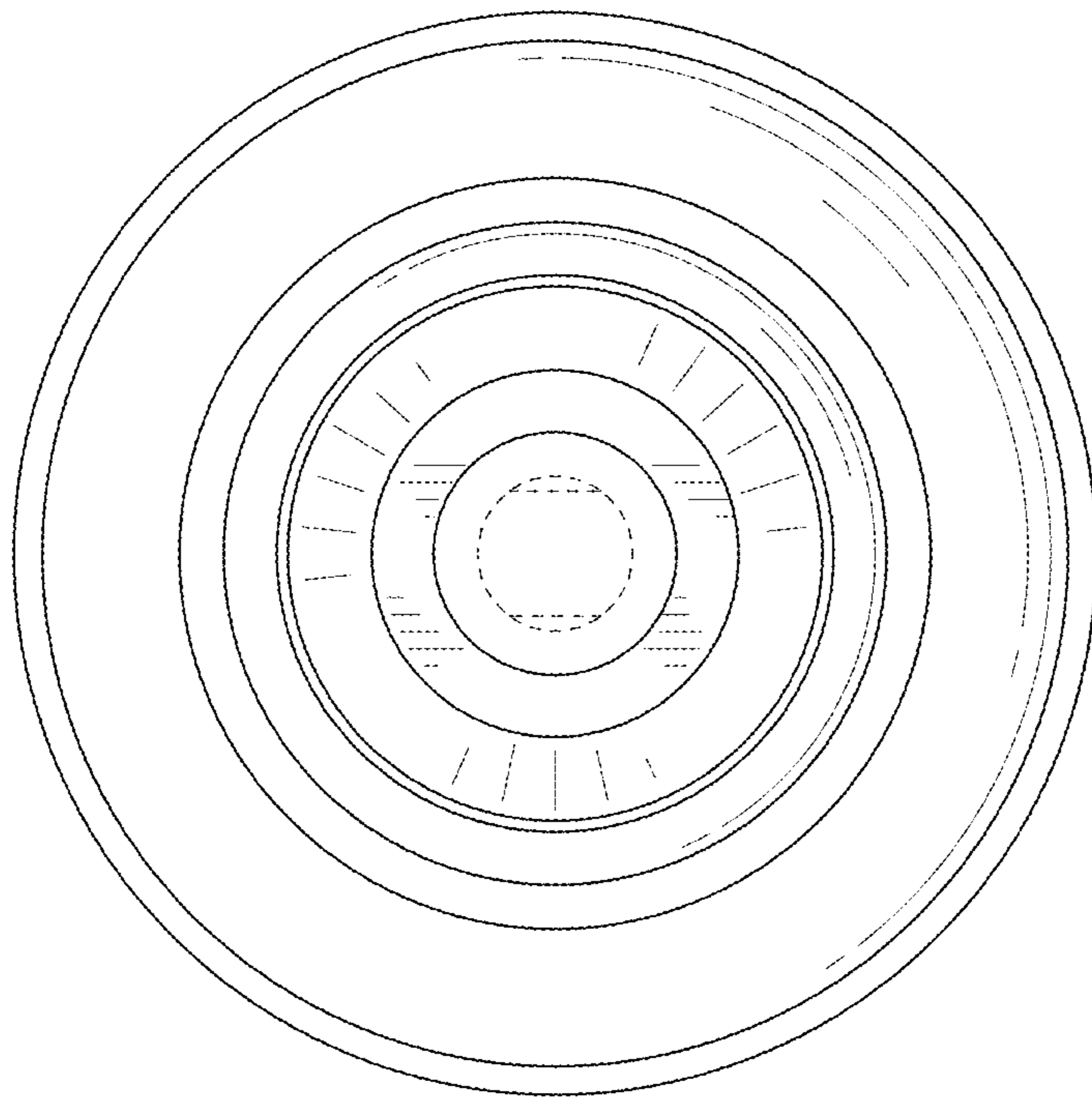


FIG. 3

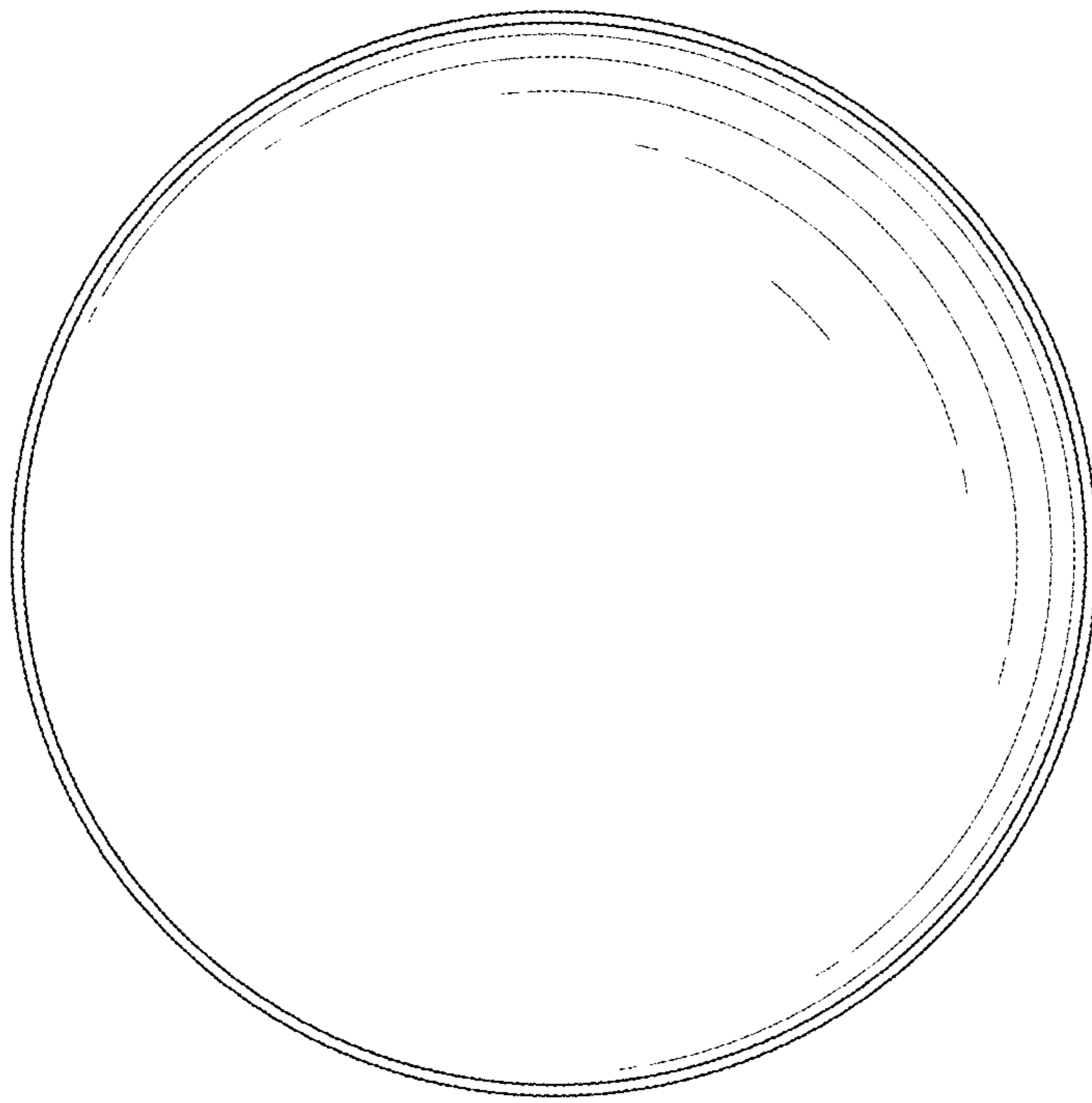


FIG. 4

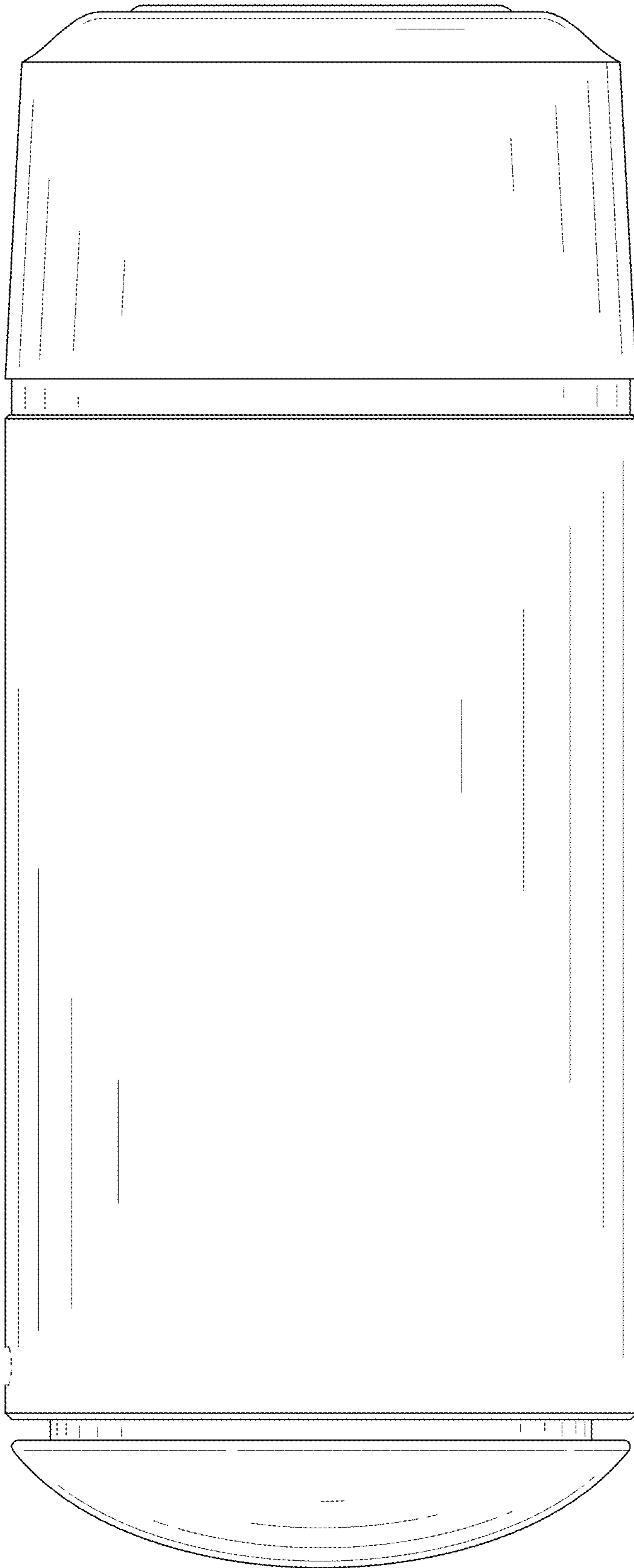


FIG. 5

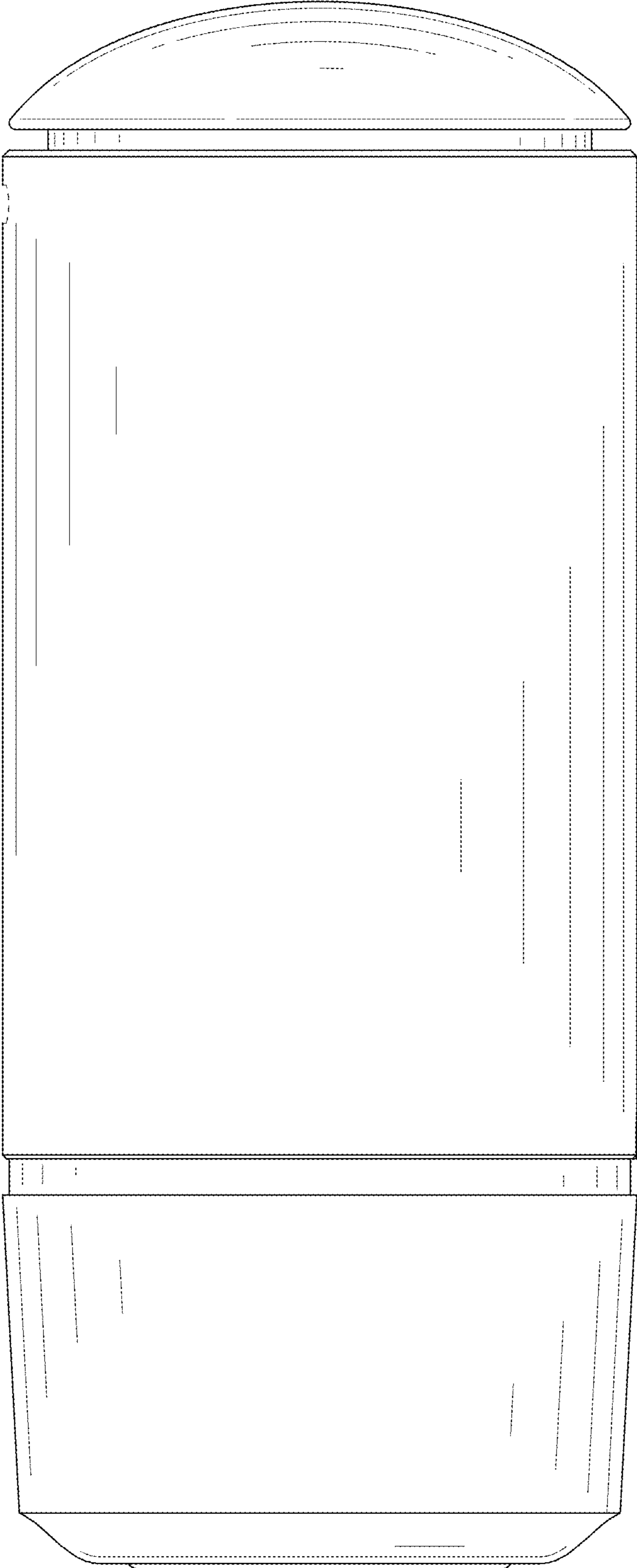


FIG. 6

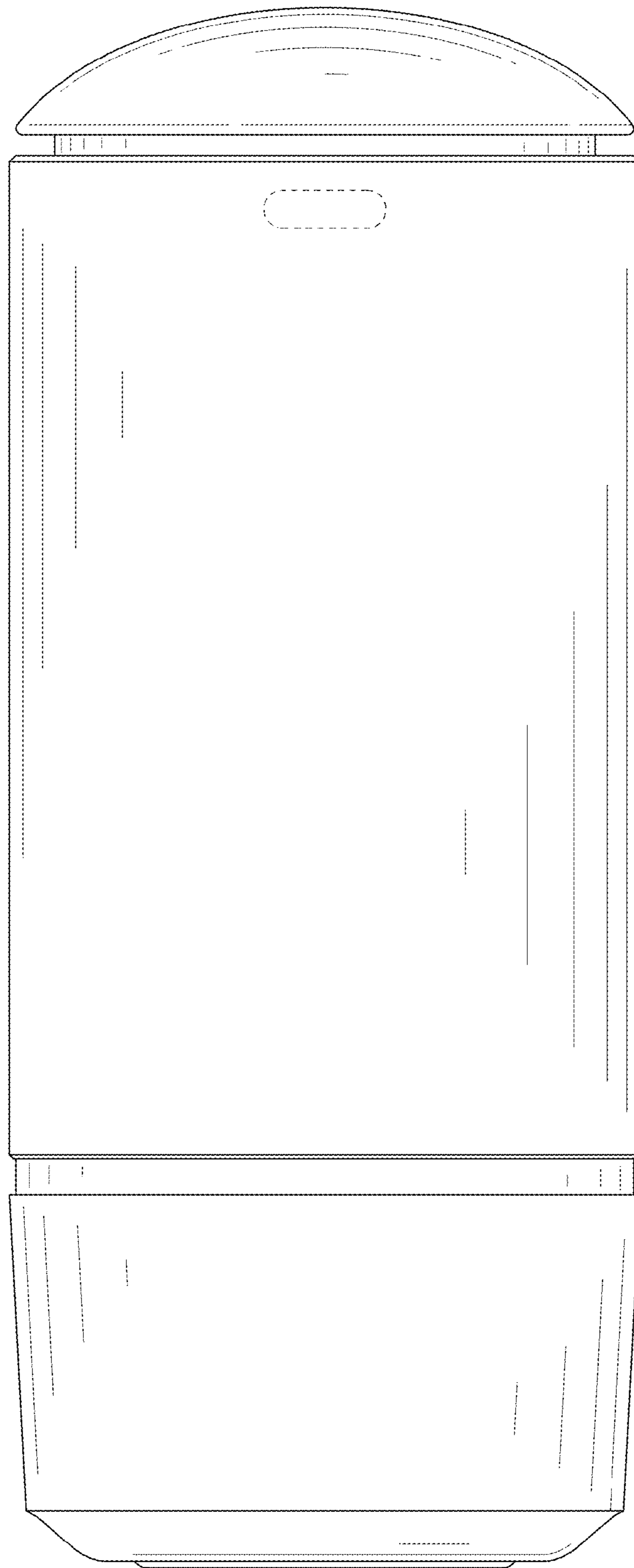


FIG. 7

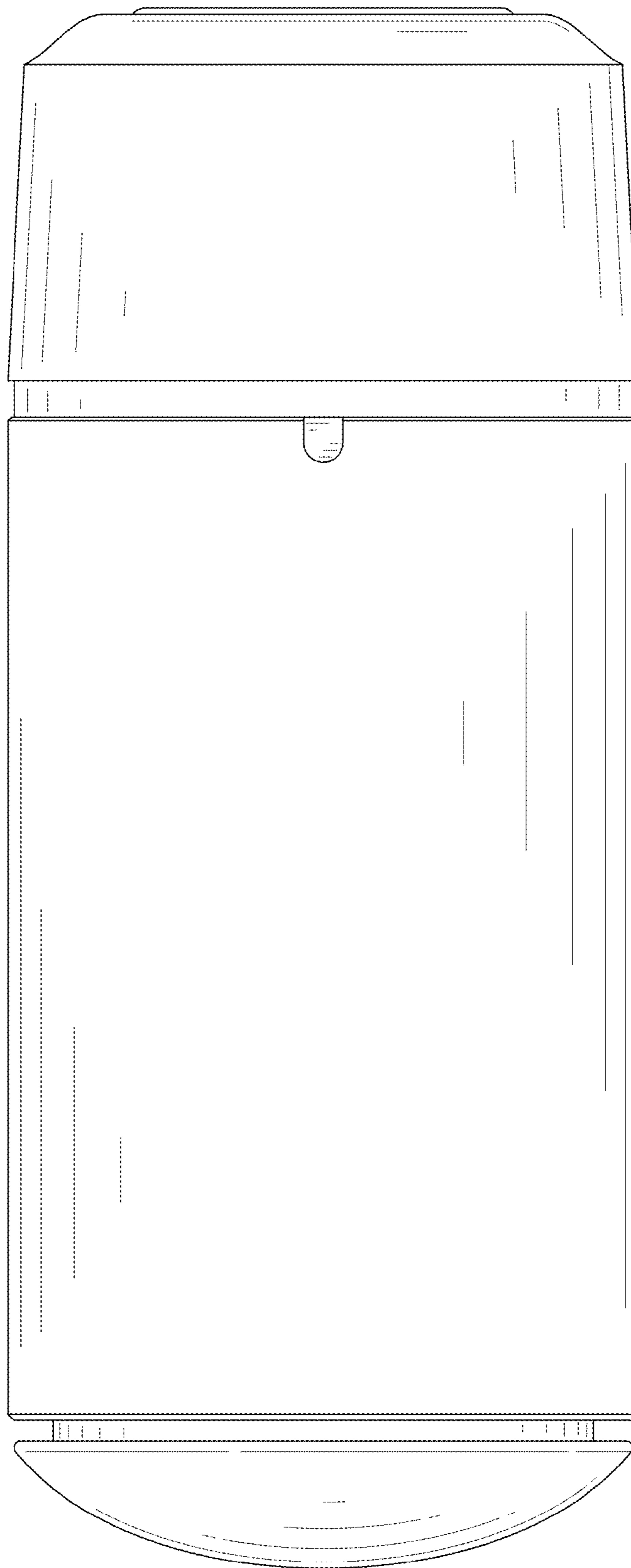


FIG. 8