



US00D908489S

(12) **United States Design Patent** (10) **Patent No.:** **US D908,489 S**
Lazarov (45) **Date of Patent:** **** Jan. 26, 2021**

(54) **HERBICIDE SPRAYER LOW PRESSURE
FOAM TIP**

(71) Applicant: **Ross Lazarov**, Prior Lake, MN (US)

(72) Inventor: **Ross Lazarov**, Prior Lake, MN (US)

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

(21) Appl. No.: **29/700,525**

(22) Filed: **Aug. 2, 2019**

(51) **LOC (13) Cl.** **09-01**

(52) **U.S. Cl.**

USPC **D9/445**; D23/249

(58) **Field of Classification Search**

USPC D3/202; D7/300, 300.1, 387, 391, 392,
D7/392.1, 393, 394, 396.1, 396.2, 401.1,
D7/509, 510, 511, 533, 536, 543, 589,
D7/591, 601, 602, 619.1; D9/434, 435,
D9/436, 438, 439, 440, 441, 443, 445,
D9/447, 448, 449, 454, 516, 520, 530,
D9/531, 686, 730, 733; D23/206, 227,
D23/249, 259, 260, 261, 313; D6/542,
D6/550

CPC B65D 2251/1066; B65D 2251/1058; B65D
47/0819; B65D 1/00; B65D 1/02; B65D
1/0223; B65D 2203/00; B65D 2203/02;
B65D 81/60; B65D 81/365; B65D
81/366; B65D 81/368; B65D 2539/008;
B65D 39/0094; B65D 2543/00046; B65D
2543/00027; B65D 2543/00092; B65D
2543/00296; B65D 2543/00351; B65D
2543/00537; B65D 2543/00731; B65D
43/0212; B65D 43/0218; A01G 31/02;
B02C 18/16; B02C 18/18; B02C 18/24;
A47J 42/08; A47J 42/38; A47J 42/04;
A47J 42/46; A47J 42/16; A47J 42/14;
A47J 42/34; A47J 42/40; A47J 42/25;
A47J 42/255

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,257,753 A 6/1966 Zennie
4,409,755 A 10/1983 Maddock
4,443,970 A 4/1984 Randolph
4,578,895 A 4/1986 Baumber
4,597,219 A 7/1986 Kropf
4,624,071 A 11/1986 Mumey
4,886,493 A 12/1989 Yee

(Continued)

FOREIGN PATENT DOCUMENTS

WO 2014110634 A1 7/2014

OTHER PUBLICATIONS

Dow Chemical Tips: Announced Mar. 16, 2015 [online]. Site
Visited [Sep. 26, 2020]. Available from Internet URL: https://www.amazon.com/CHEMICAL-11029297-10PK-Tips-Piece/dp/B00LMF9UP8/ref=cm_cr_arp_d_product_top?ie=UTF8.*

(Continued)

Primary Examiner — Catherine S Posthauer

(74) *Attorney, Agent, or Firm* — Haugen Law Firm PLLP

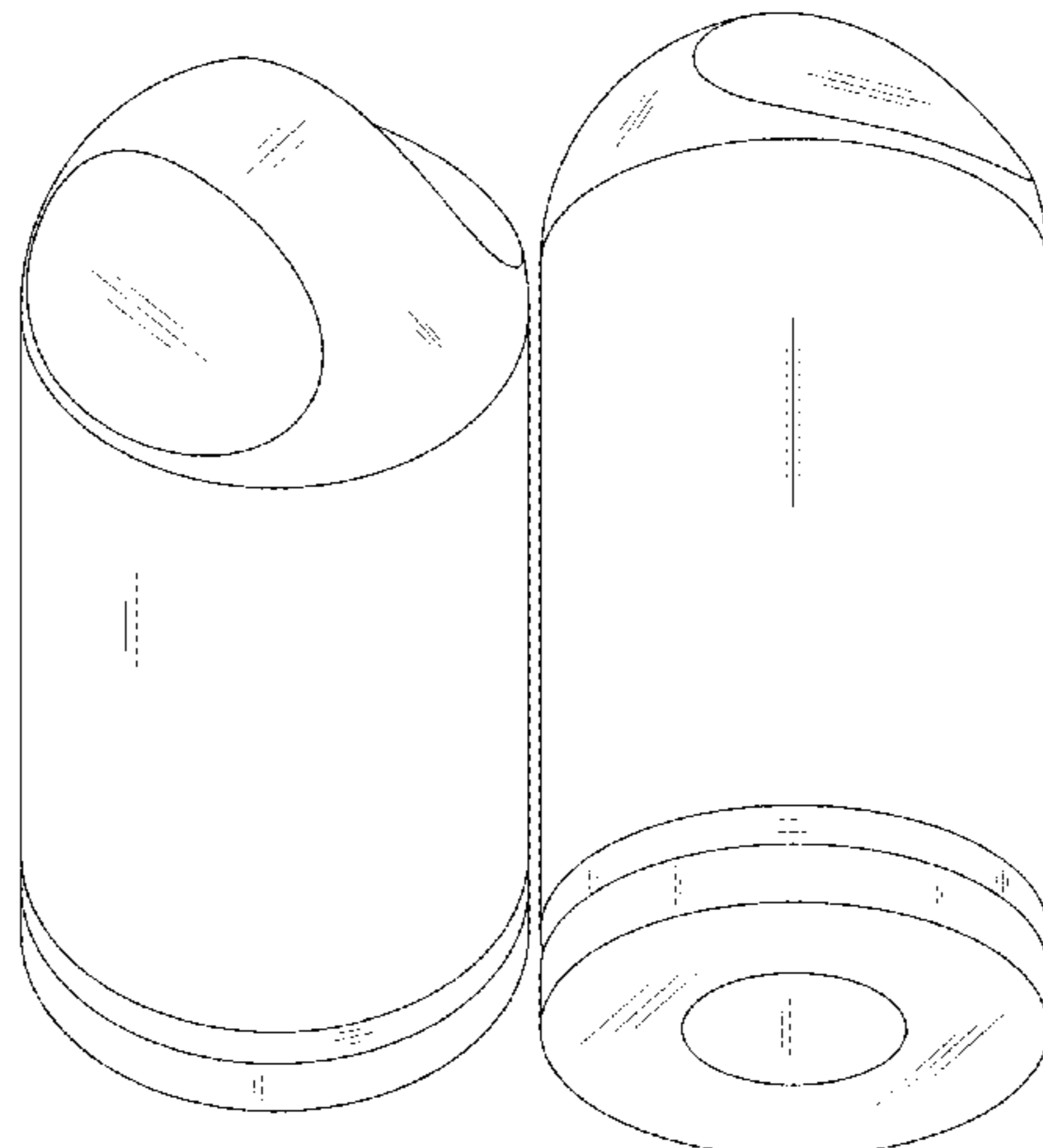
(57) **CLAIM**

The ornamental design for an herbicide sprayer low pressure
foam tip, as shown and described.

DESCRIPTION

FIG. 1 is a front top perspective view of the herbicide
sprayer low pressure foam tip of the present invention;
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 view thereof;
FIG. 7 is a bottom view thereof; and,
FIG. 8 is a back bottom perspective view thereof.

(Continued)



The dot-dash lines represent the boundaries of the claim and form no part thereof.

1 Claim, 8 Drawing Sheets

(56)

References Cited

U.S. PATENT DOCUMENTS

4,894,948	A	1/1990	Eubanks	
4,923,317	A	5/1990	Bishop et al.	
4,947,580	A	8/1990	Moore	
4,965,960	A	10/1990	Moore	
D318,231	S *	7/1991	Lay	D9/435
5,131,349	A	7/1992	Keller et al.	
D341,227	S *	11/1993	Lang	D28/76
5,388,369	A	2/1995	Moore	
5,480,250	A	1/1996	Birden	
5,813,122	A	9/1998	Mubareka	
5,964,931	A	10/1999	Korper	
6,014,836	A	1/2000	Chester	
6,032,077	A	2/2000	Pomeranz	
D425,792	S *	5/2000	Haller	D9/440
6,254,299	B1	7/2001	Russo	
6,497,527	B2	12/2002	Kaufmann	
6,749,356	B1	6/2004	Mead et al.	
6,802,153	B2	10/2004	DuBois et al.	
6,938,795	B2	9/2005	Barton, Jr. et al.	
7,108,440	B1	9/2006	Gruenbacher et al.	
D569,723	S *	5/2008	Sellick	D9/448
D604,609	S *	11/2009	Barker	D9/447
D633,385	S *	3/2011	Baker	D9/447
7,988,376	B2	8/2011	Todd	
D668,541	S *	10/2012	McCoy	D9/447
8,438,778	B2	5/2013	Rose	
8,944,709	B2	2/2015	Ellsworth et al.	
9,485,981	B1	11/2016	Seguin	
D779,882	S *	2/2017	Plott	D7/511
9,681,653	B2	6/2017	Peterson	
D807,744	S *	1/2018	Villarreal	D9/448
D808,264	S *	1/2018	Neuhalfen	D9/448
10,159,184	B2	12/2018	Ledebuhr	

D840,814	S *	2/2019	Willis	D9/447
D846,391	S *	4/2019	Duquet	D9/447
10,334,837	B1	7/2019	Reid et al.	
D859,987	S *	9/2019	Kravchenko	D9/447
D860,788	S *	9/2019	Abadilla	D9/447
D878,204	S *	3/2020	Rosebrook	D9/443
D888,552	S *	6/2020	Tempfli	D9/435
2003/0078163	A1	4/2003	Budke, II	
2006/0283726	A1	12/2006	McCloud	
2008/0060261	A1	3/2008	Stevenson	
2010/0140369	A1	6/2010	Siernos et al.	
2016/0318668	A1 *	11/2016	Wuethrich	B65D 41/3404

OTHER PUBLICATIONS

Atomizer Tip Cover: Site Visited [Sep. 26, 2020]. Available from Internet URL: <https://www.walmart.com/ip/RhinoGuard-Atomizer-Tip-Covers-Dispenser-Box-of-250/139406301>.*

Mid South Equipment AG. "Hypro Fanjet 0° Streaming Spray Nozzle", <https://shop.midsouthag.com/products/90a2cm10e00?channable=e7157> last accessed Jul. 16, 2019.

CropCare. "Is Your Sprayer Nozzle the Right Material?" <https://cropcareequipment.com/pages/2016/05/06/sprayer-nozzle-tip-rig> last accessed Jul. 9, 2019.

Montana State University. "Nozzle Tips and Strainers—Pesticide Safety Education Program". <http://www.pesticides.montana.edu/reference/nozzles.html> last accessed Jul. 17, 2019.

Solo. "Nozzle Assortment for Manual Sprayers." <https://www.zoro.com/solo-nozzle-assortment-for-manual-sprayers-4900448/i/G2796241/#specifications>.

Lot. "Sprayer Nozzle Cover." <https://ilotchina.en.made-in-china.com/product/hsVmkdxXPWI/China-I> last accessed Jul. 17, 2019.

eBay. "Weed Sprayer Bug Killer Eliminator Roundup Pump Pressure Garden Yard Pest." <https://www.ebay.com/itm/Weed-Sprayer-Bug-Killer-Eliminator-Round> last accessed Jul. 17, 2019.

Forestry Suppliers. "Weed Wand Magic Replacement Tips." https://www.forestry-suppliers.com/product_pages/ViewItem.php?item last accessed Jul. 16, 2019.

Barndoor AG., "TeeJet Poly with Stainless Screen 80 Mesh." <https://barndoorag.com/teejet-poly-with-stainless-screen-80-mesh-8079> last accessed Jul. 17, 2019.

* cited by examiner

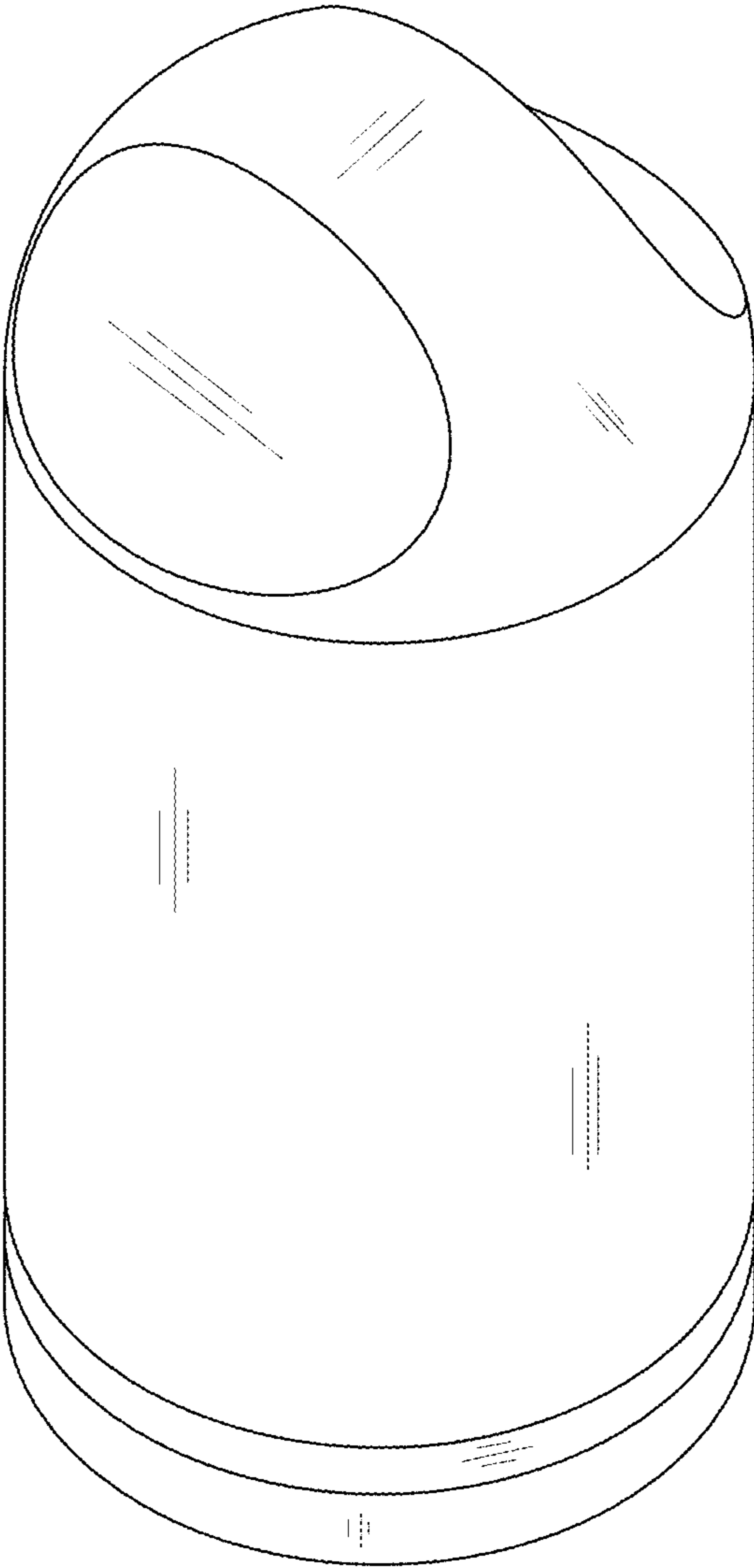


FIG. 1

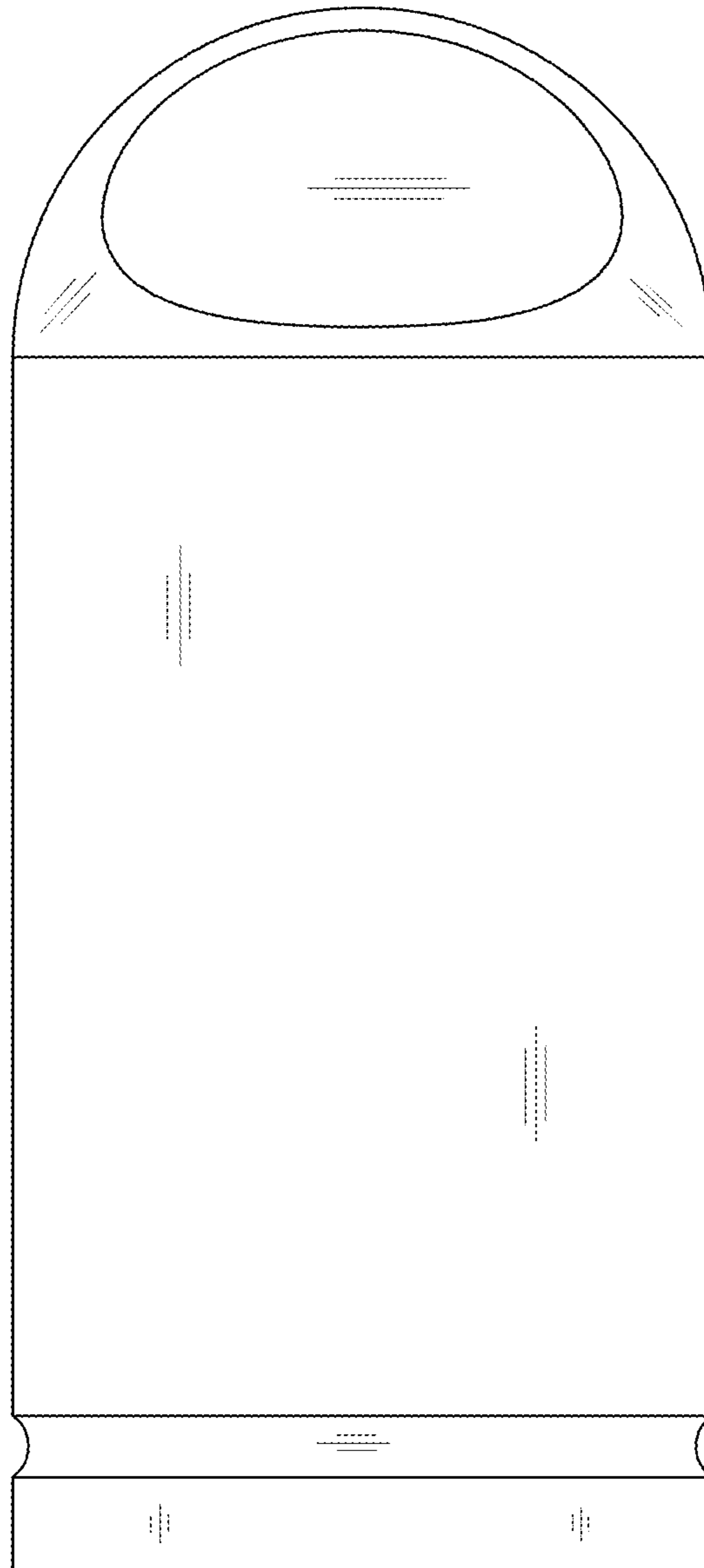


FIG. 2

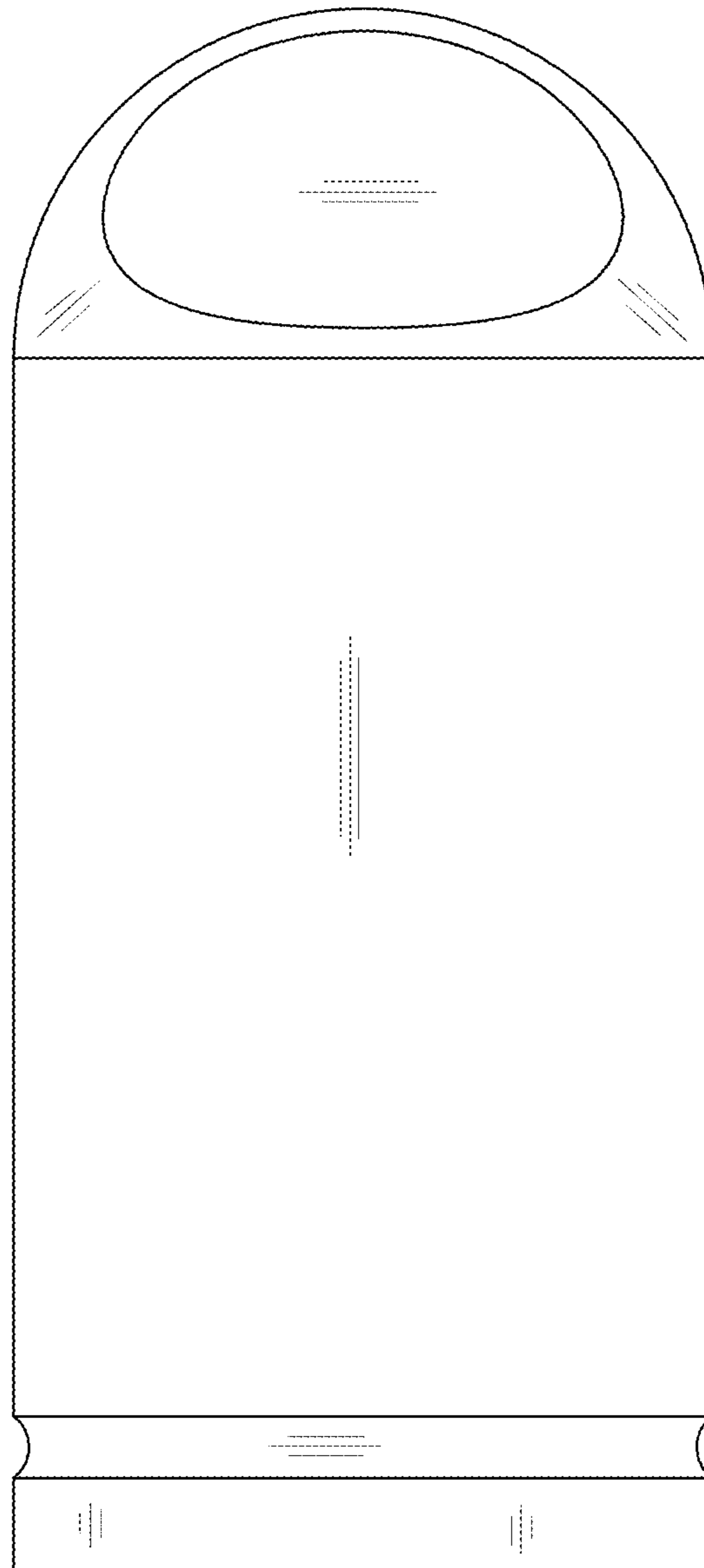


FIG. 3

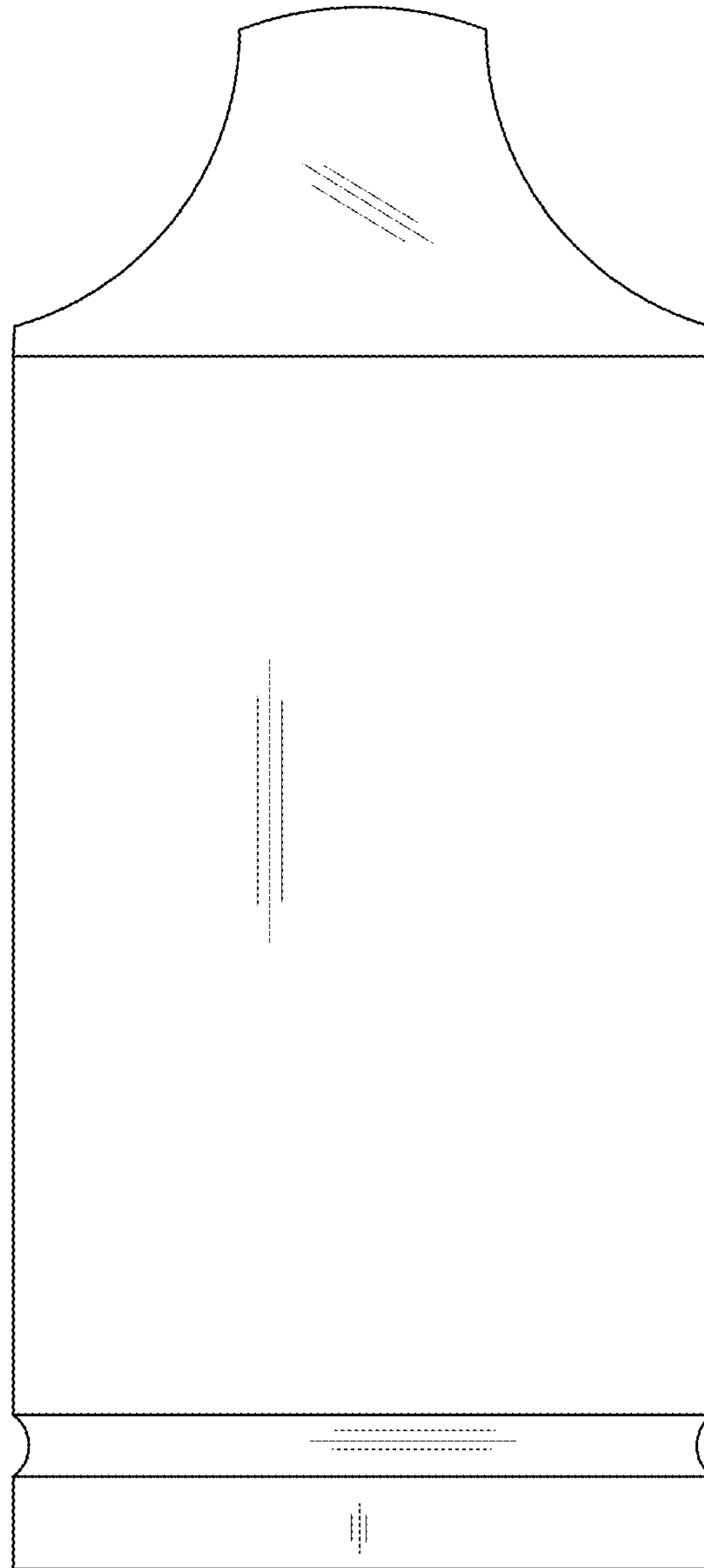


FIG. 4

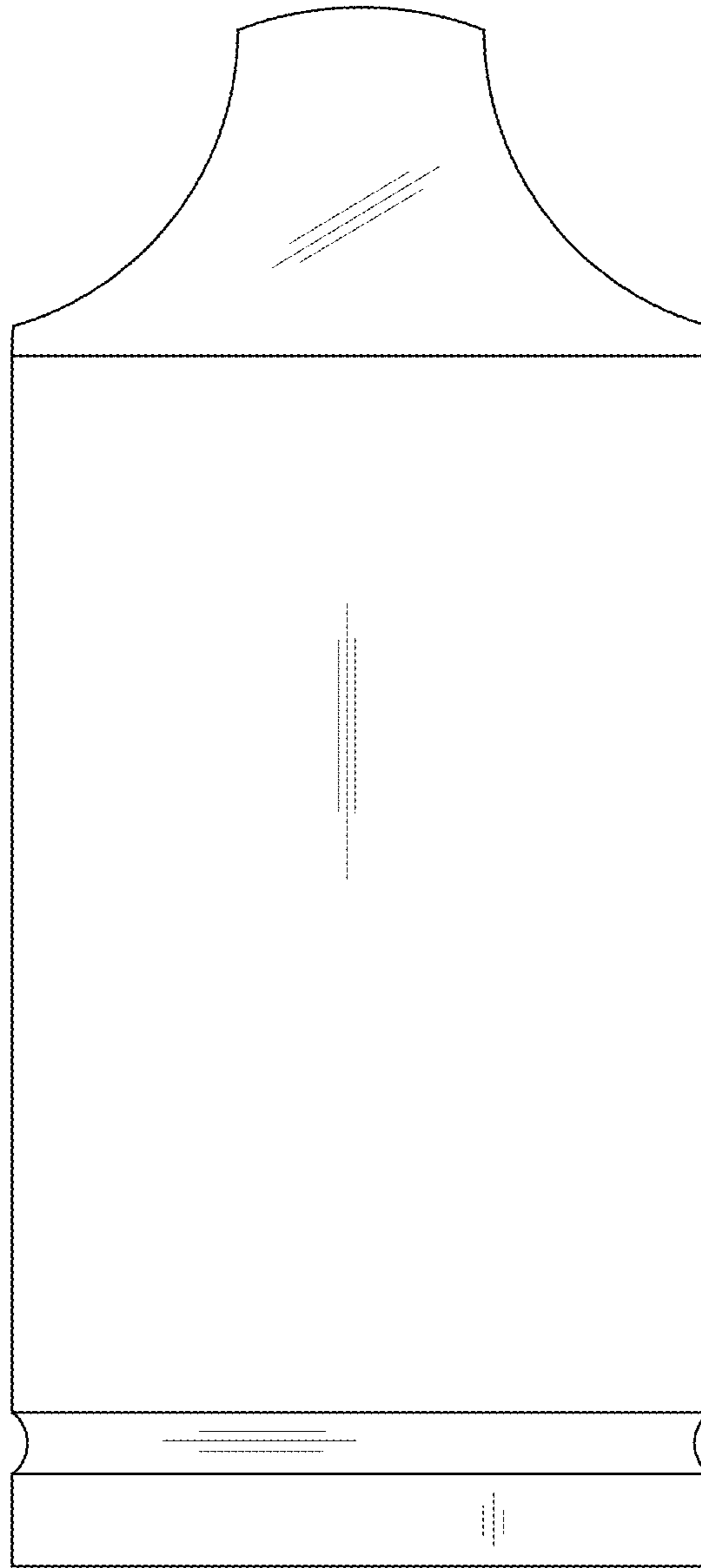


FIG. 5

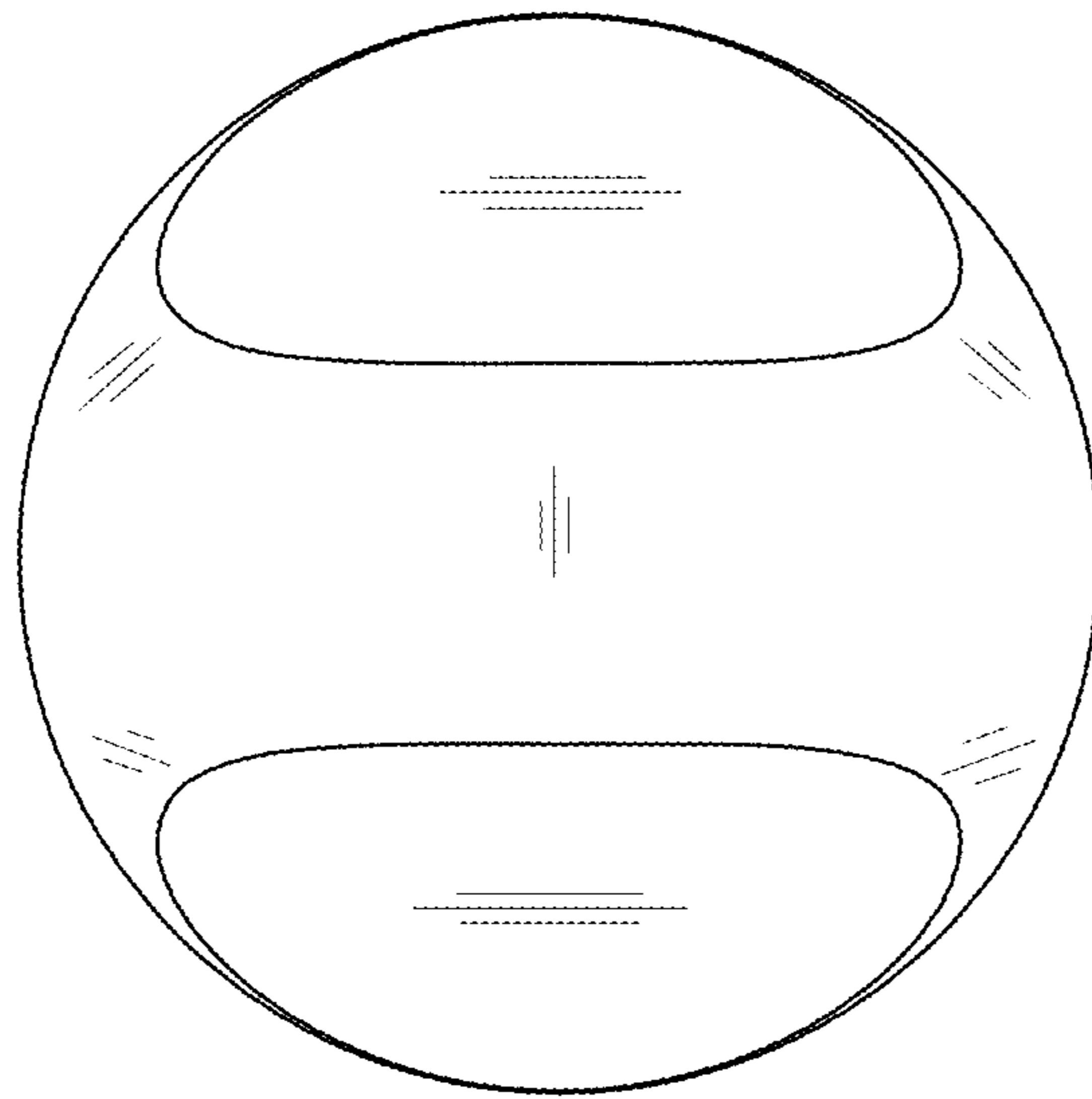


FIG. 6

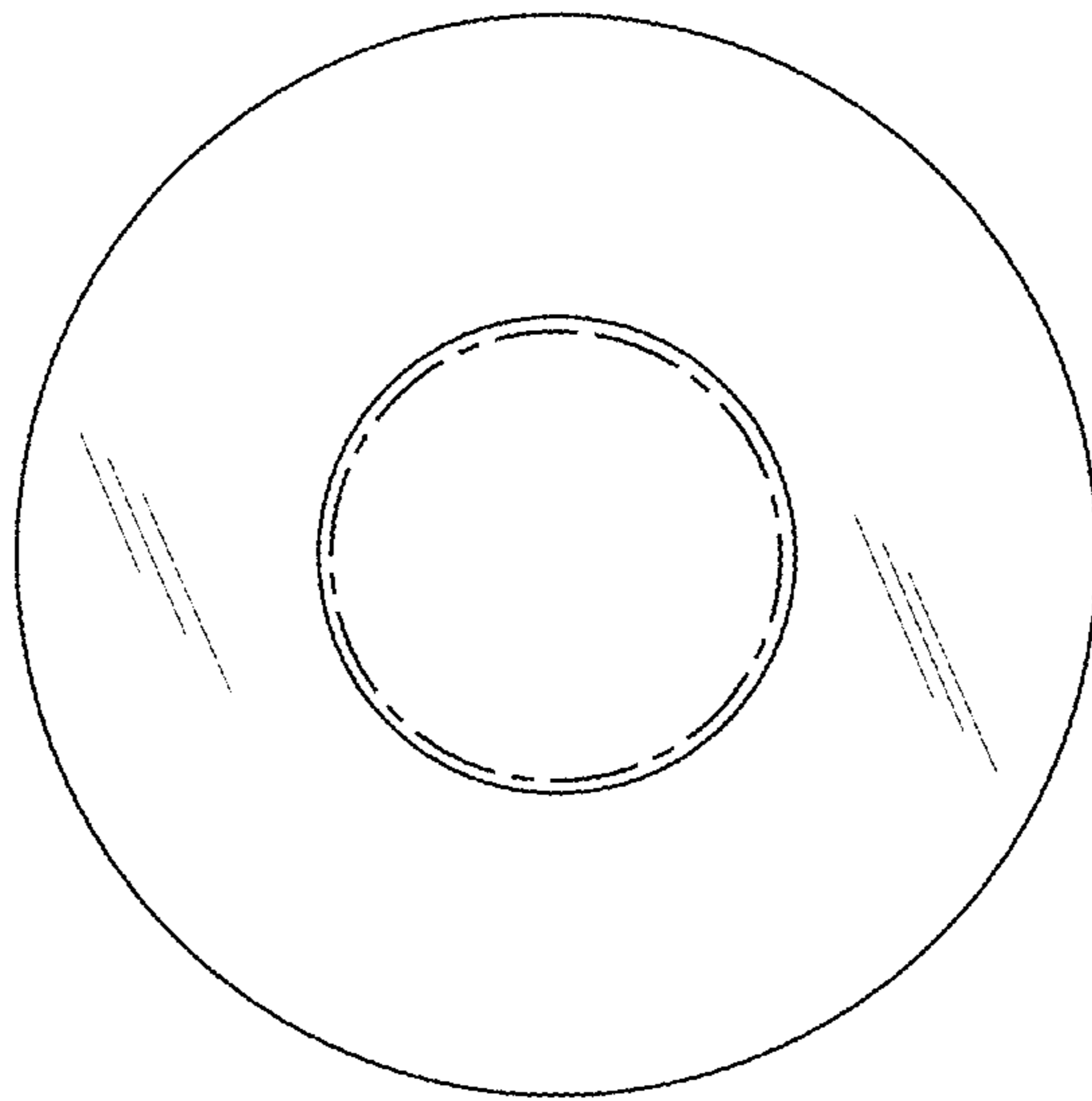


FIG. 7

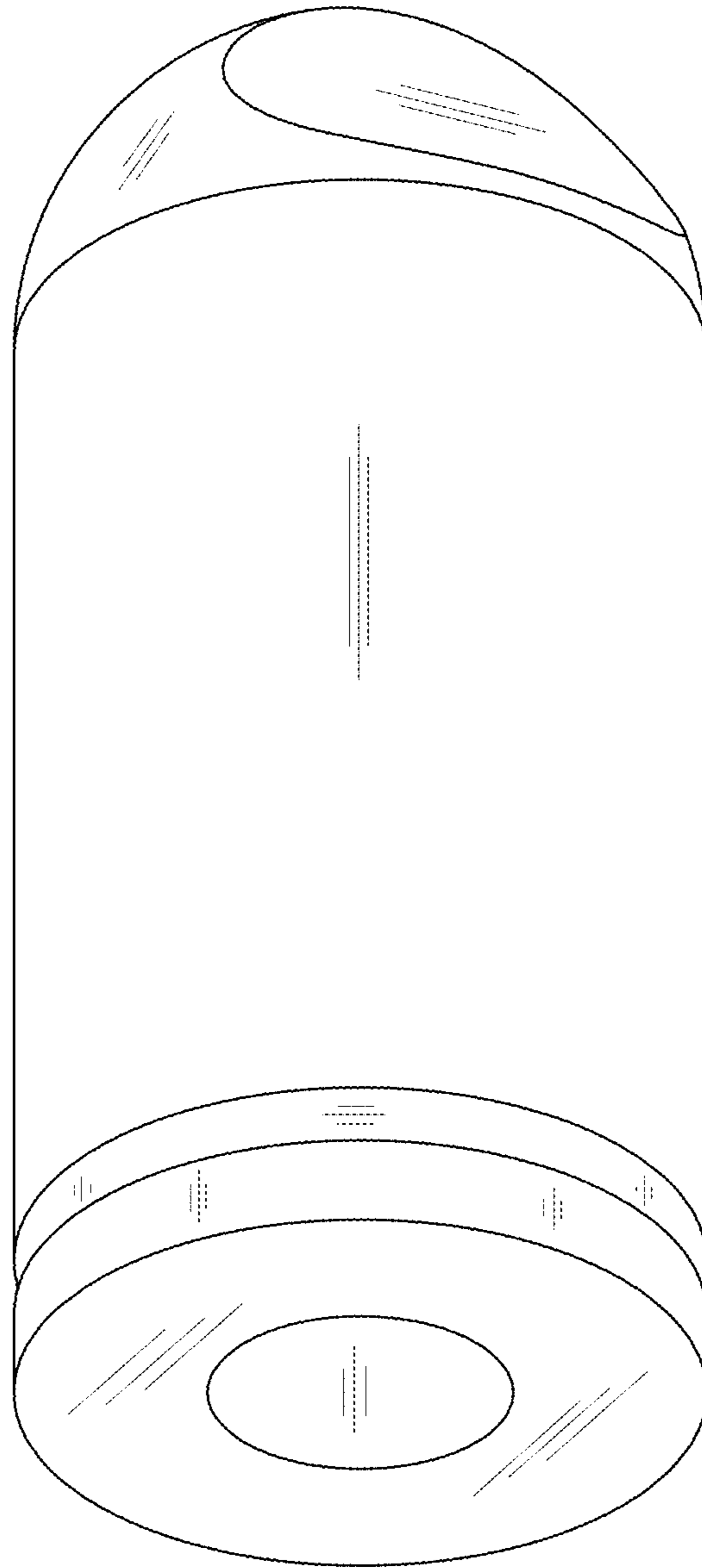


FIG. 8