



US00D684314S

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

(10) **Patent No.:** **US D684,314 S**
(45) **Date of Patent:** **** Jun. 11, 2013**

(54) **SMOKE FILTER**

(76) Inventor: **Ngoc Mai**, San Jose, CA (US)

(**) Term: **14 Years**

(21) Appl. No.: **29/431,410**

(22) Filed: **Sep. 7, 2012**

(51) **LOC (9) Cl.** **27-99**

(52) **U.S. Cl.**
USPC **D27/194**

(58) **Field of Classification Search**

USPC D27/195, 142, 143, 125, 194, 172,
D27/196, 101, 170, 189, 100, 162, 167, 169;
131/233, 254, 255, 329, 250, 251, 252, 253,
131/256, 248, 330, 187, 175, 328, 273, 274,
131/290, 291, 173, 202, 203, 204, 205, 206,
131/347, 360; D9/707, 706, 702, 703, 704,
D9/705, 708, 709

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

423,539	A *	3/1890	Todd	56/50
4,066,088	A *	1/1978	Ensor	131/185
4,164,230	A *	8/1979	Pearlman	131/330
4,790,332	A *	12/1988	Wallace	131/175
4,807,646	A *	2/1989	Sahar	131/175
4,947,875	A *	8/1990	Brooks et al.	131/330
4,993,435	A *	2/1991	McCann	131/330
D315,617	S *	3/1991	Boutte	D27/194
D320,670	S *	10/1991	Johnson et al.	D27/172
5,469,870	A *	11/1995	Meador	131/187
5,564,442	A *	10/1996	MacDonald et al.	131/194
5,638,833	A *	6/1997	Bowen et al.	131/202
D399,600	S *	10/1998	Bowen et al.	D27/194
5,934,289	A *	8/1999	Watkins et al.	131/328
D446,445	S *	8/2001	Croft et al.	D9/696
6,345,625	B1 *	2/2002	Chew	131/202
6,431,176	B1 *	8/2002	Rice	131/175

D484,972	S *	1/2004	Steele et al.	D9/707
D505,861	S *	6/2005	Risgalla	D9/696
D523,758	S *	6/2006	Risgalla	D9/707
D557,614	S *	12/2007	Murray	D9/708
D580,782	S *	11/2008	Murray	D9/707
D581,808	S *	12/2008	Schwartz	D9/708
D584,168	S *	1/2009	Murray	D9/710
D606,882	S *	12/2009	Sharp et al.	D9/707
7,735,494	B2 *	6/2010	Bollinger et al.	131/349
D638,720	S *	5/2011	Schwartz et al.	D9/709
2007/0068965	A1 *	3/2007	Von Flotow et al.	222/107
2007/0108158	A1 *	5/2007	Stribling et al.	215/389
2007/0204868	A1 *	9/2007	Bollinger et al.	131/174
2008/0060664	A1 *	3/2008	Richards	131/202
2009/0283103	A1 *	11/2009	Nielsen et al.	131/273
2011/0073120	A1 *	3/2011	Adamic	131/328
2011/0240047	A1 *	10/2011	Adamic	131/328
2012/0186593	A1 *	7/2012	Grano et al.	131/202
2012/0247494	A1 *	10/2012	Oglesby et al.	131/328
2012/0255546	A1 *	10/2012	Goetz et al.	128/202.21

* cited by examiner

Primary Examiner — Kevin Rudzinski

(74) *Attorney, Agent, or Firm* — Alexander Chen, Esq.; All Kamal, Esq.

(57) **CLAIM**

The ornamental design for a smoke filter, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view from the front left view of a smoke filter.

FIG. 2 is a front view and the back is identical or a mirror image of the front thereof.

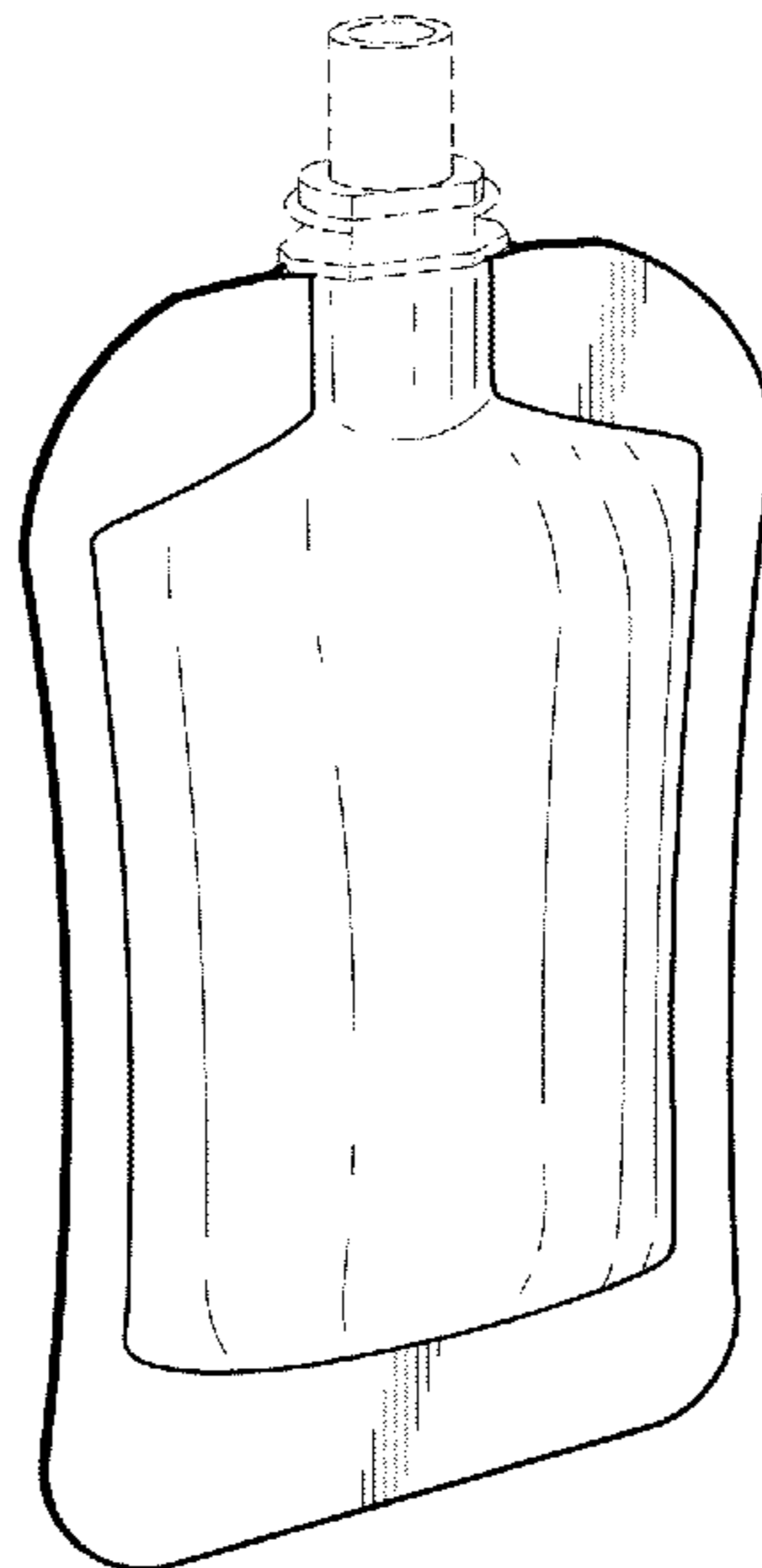
FIG. 3 is a top view thereof.

FIG. 4 is a bottom view thereof; and,

FIG. 5 is a side view and the other side is identical thereof.

The broken lines shown in the drawings illustrate portions of the smoke filter that form no part of the claimed design.

1 Claim, 3 Drawing Sheets



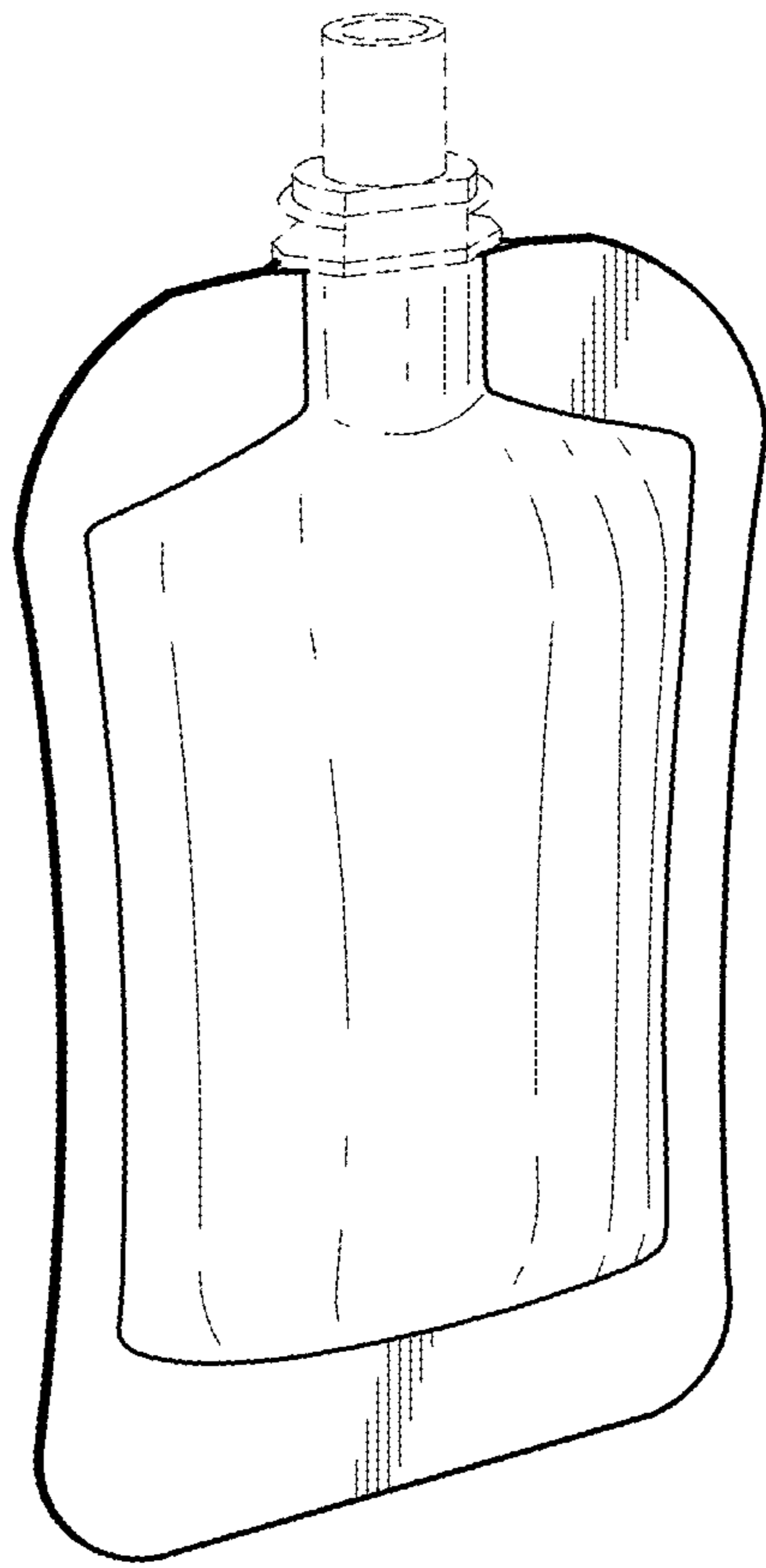


FIG. 1

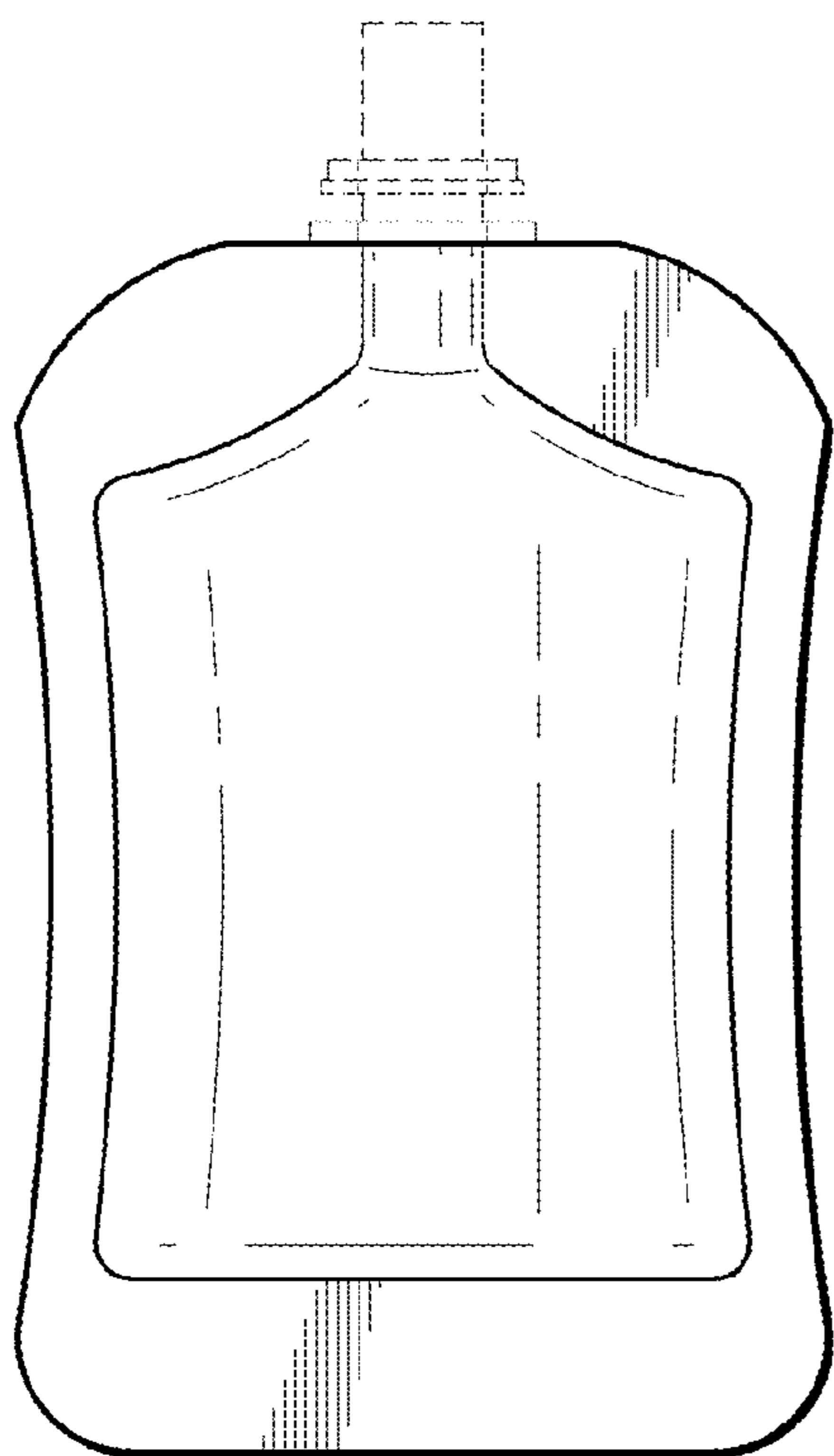


FIG. 2

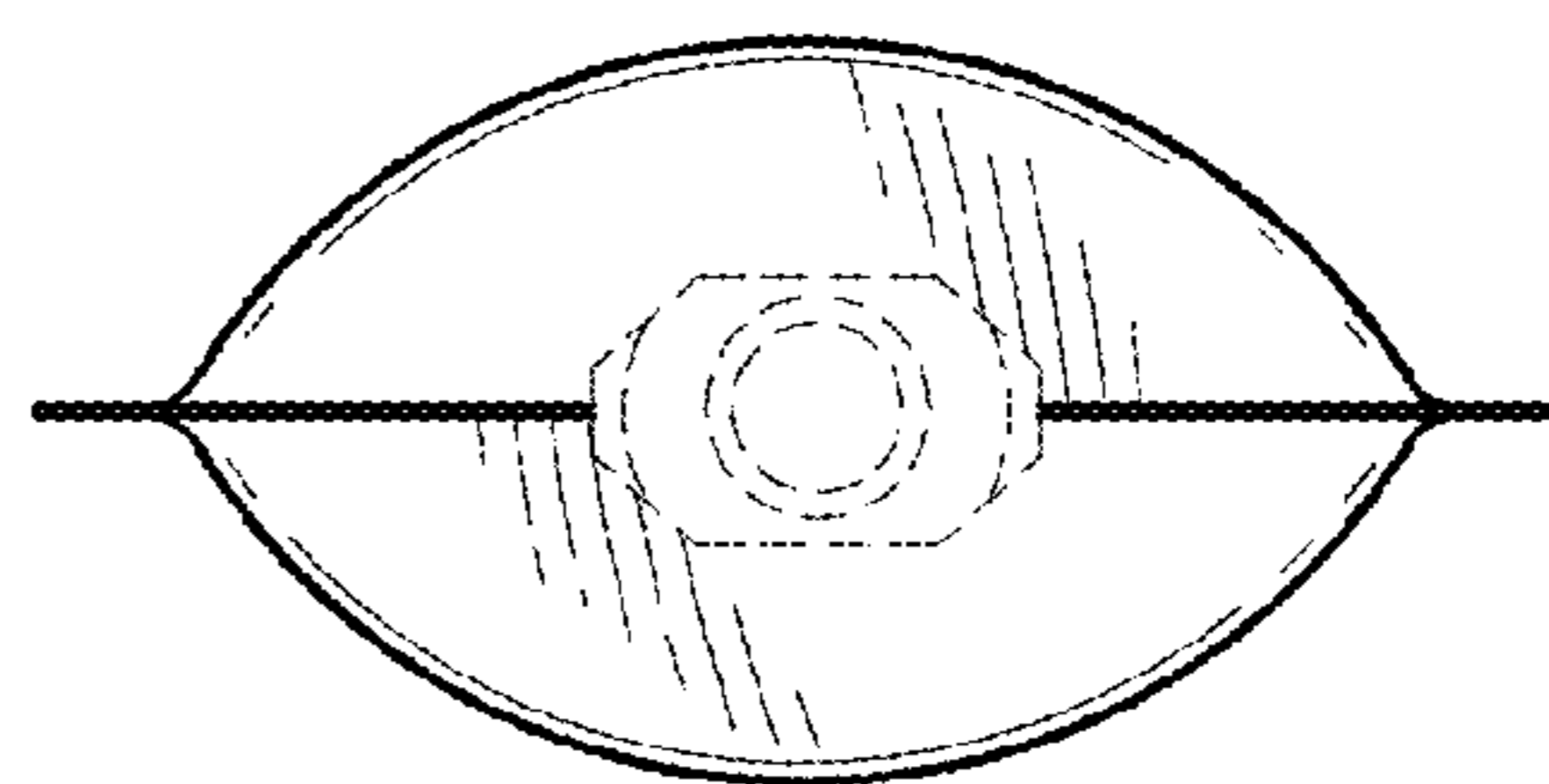


FIG. 3

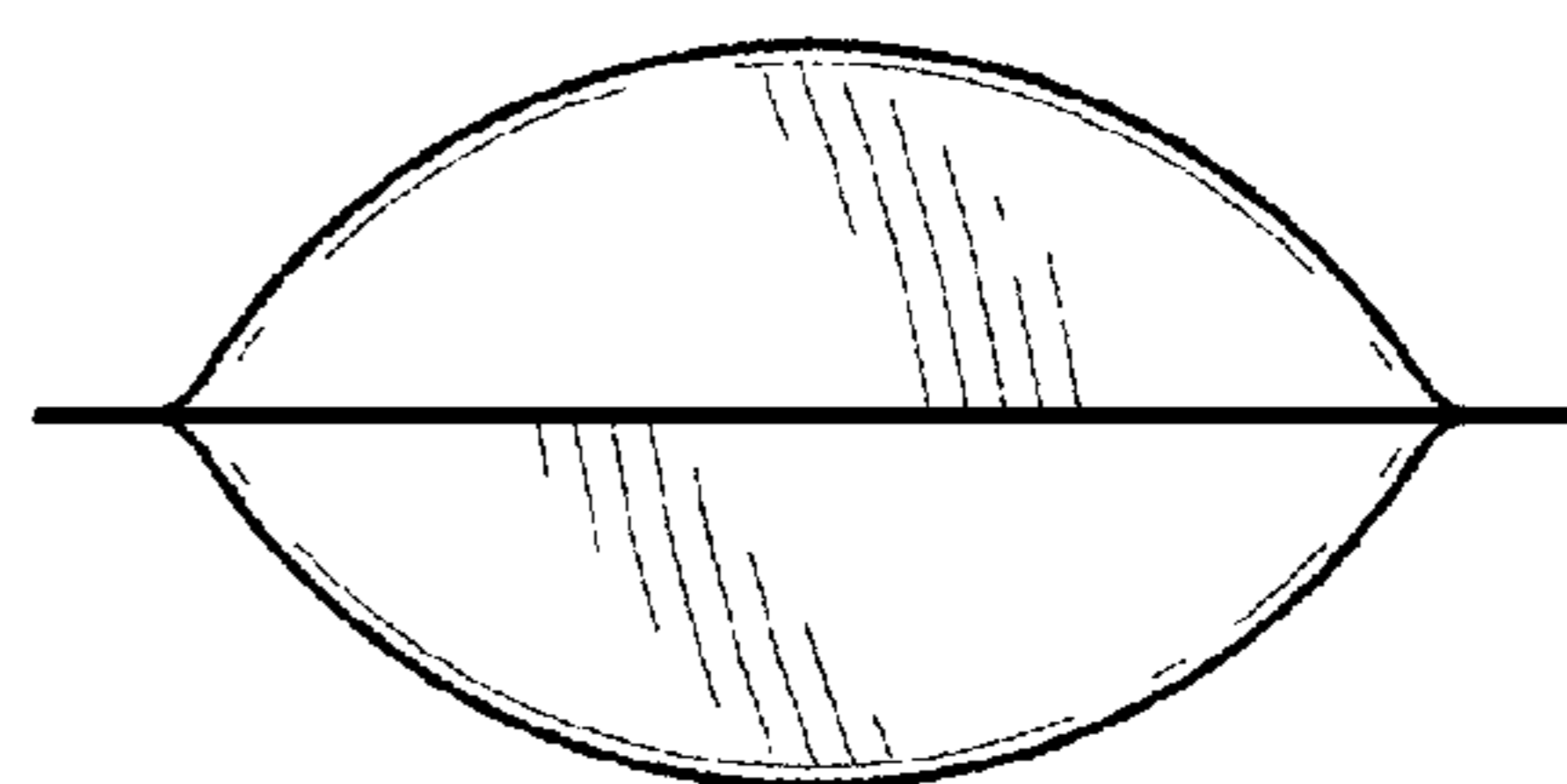


FIG. 4

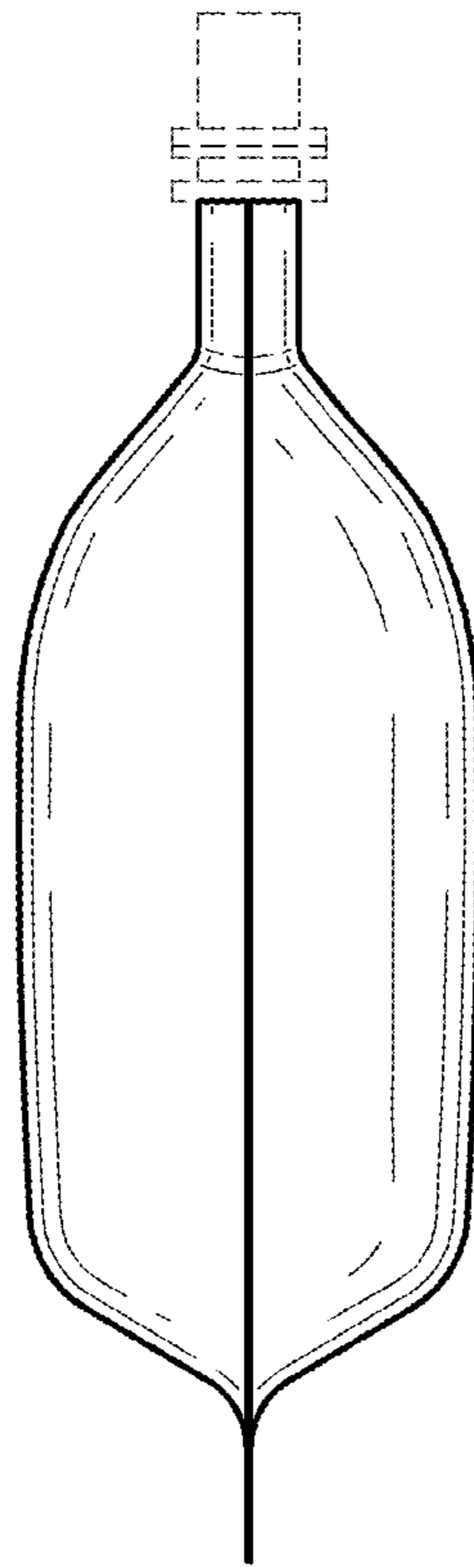


FIG. 5