

US00D872061S

(12) **United States Design Patent** (10) **Patent No.:** **US D872,061 S**
Cui (45) **Date of Patent:** **** Jan. 7, 2020**

(54) **EARPHONE**
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(**) Term: **15 Years**
(21) Appl. No.: **29/648,310**
(22) Filed: **May 21, 2018**
(51) **LOC (12) Cl.** **14-01**
(52) **U.S. Cl.**
USPC **D14/223**
(58) **Field of Classification Search**
USPC D14/223, 205; D24/174; 128/864, 865,
128/866; 181/129, 130, 135; 379/430,
379/431; 381/380, 381, 374, 370, 373,
381/338, 322, 328; 455/90.3, 575.1,
455/569.1
CPC H04R 1/10; H04R 25/00; H04R 1/1016;
H04R 1/1041; H04R 5/033; H04R
5/0335; H04R 1/1033
See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS
2,206,807 A * 7/1940 Christe A61F 2/18
181/129
D245,202 S * 7/1977 Asker 128/864
D259,279 S * 5/1981 Takeda D24/106
4,314,553 A * 2/1982 Westerdal A61F 11/12
128/201.18
4,539,708 A * 9/1985 Norris H04B 1/088
455/100
D287,765 S * 1/1987 Topholm D24/174
5,654,530 A * 8/1997 Sauer H04R 25/652
181/130

D481,709 S * 11/2003 Solderits D14/223
D514,094 S * 1/2006 Griffin D14/223
D519,108 S * 4/2006 Yang D14/223
D529,901 S * 10/2006 Ohta D14/223
D569,841 S * 5/2008 Chung D14/205
D614,168 S * 4/2010 Rogers D14/206
D654,056 S * 2/2012 Hoggarth D14/205
8,275,166 B2 * 9/2012 Wu H04R 25/00
381/328
D685,764 S * 7/2013 Coulter D14/205
D691,278 S * 10/2013 Aunio D14/223
D698,023 S * 1/2014 Iseberg D24/174
D699,226 S * 2/2014 Yoon D14/206
D705,757 S * 5/2014 Yashiro H04R 1/10
D14/223
8,731,227 B2 * 5/2014 Hwang H04R 1/1091
181/135
8,983,108 B2 * 3/2015 Ho H04R 1/1016
181/135

(Continued)

FOREIGN PATENT DOCUMENTS

EM 004675320-0002 * 1/2018
Primary Examiner — Paula Allen Greene

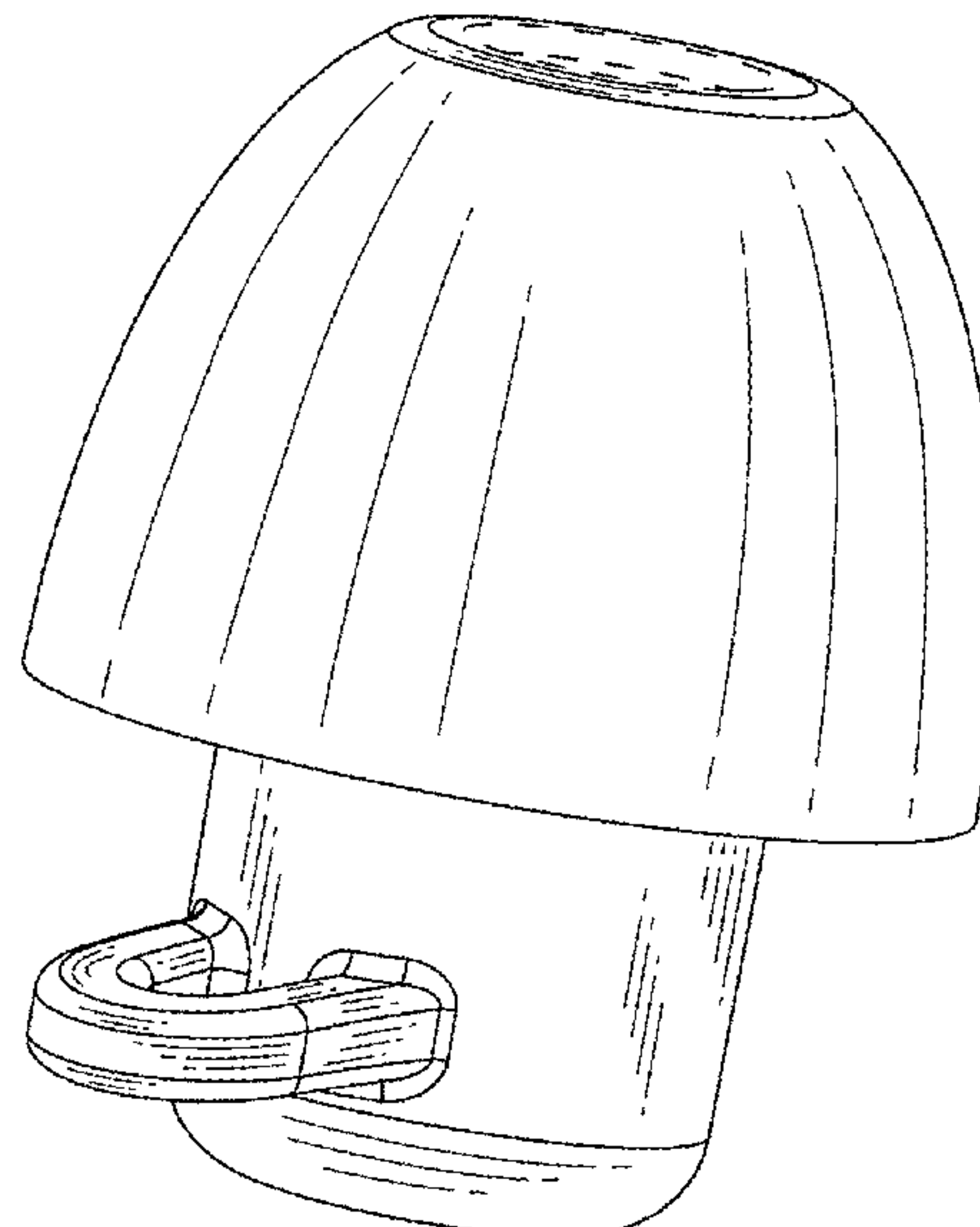
(57) **CLAIM**

The ornamental design for an earphone, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of an earphone showing my new design;
FIG. 2 is a front elevational view thereof;
FIG. 3 is a rear elevational view thereof;
FIG. 4 is a left side elevational view thereof;
FIG. 5 is a right side elevational view thereof;
FIG. 6 is a top plan view thereof; and,
FIG. 7 is a bottom plan view thereof.
The broken lines depict environment that forms no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D764,445	S *	8/2016	Czaniecki	.....	D14/223
D777,710	S *	1/2017	Palmberg	.....	D14/223
D788,079	S *	5/2017	Son	.....	D14/223
D828,823	S *	9/2018	Lin	.....	D14/223
D847,125	S *	4/2019	Akana	.....	D14/223
2011/0051979	A1 *	3/2011	Lee	.....	H04R 1/1016 381/380
2011/0176699	A1 *	7/2011	Lin	.....	H04R 1/1016 381/374
2015/0382099	A1 *	12/2015	Chu	.....	H04R 1/2811 381/370

* cited by examiner

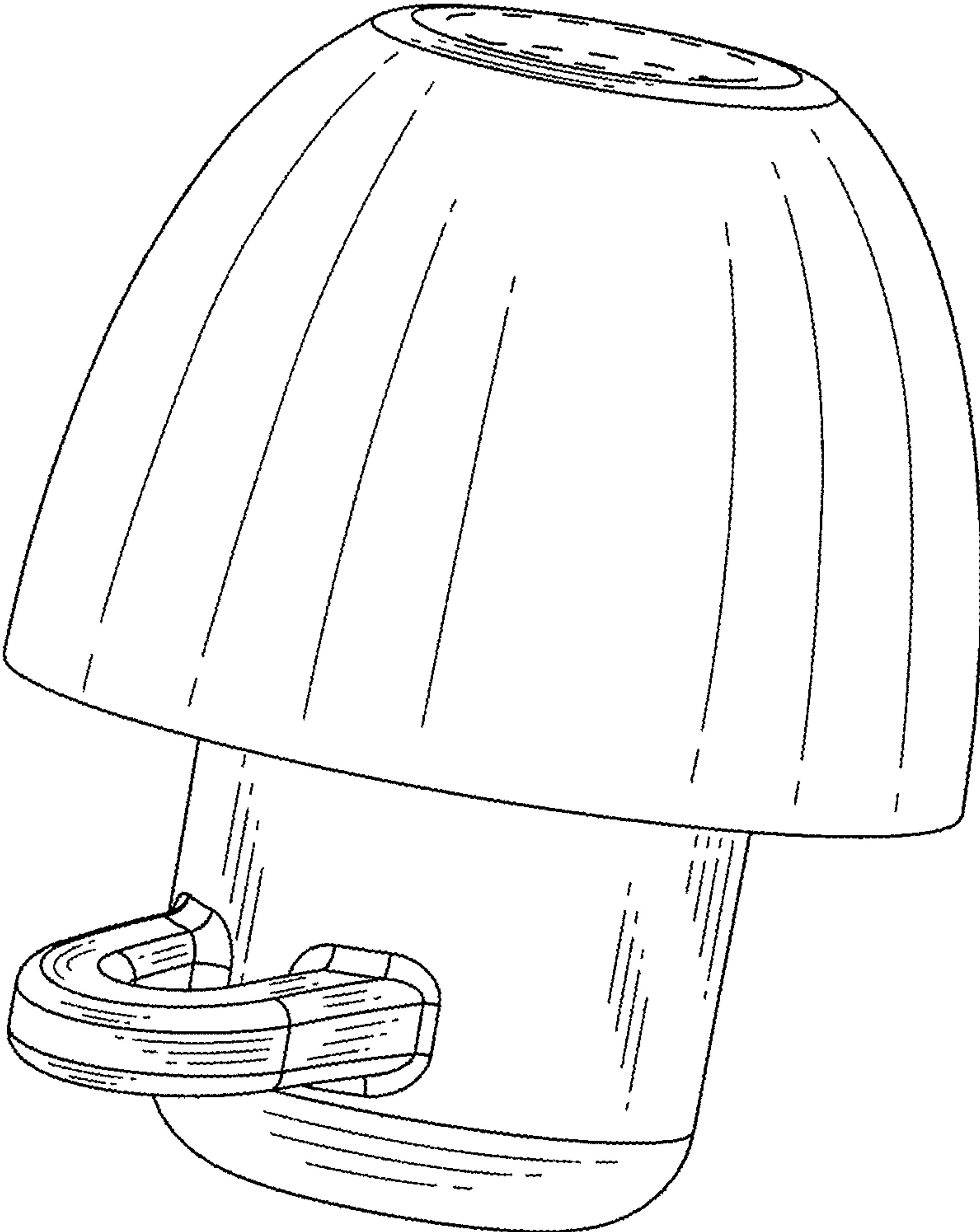


FIG.1

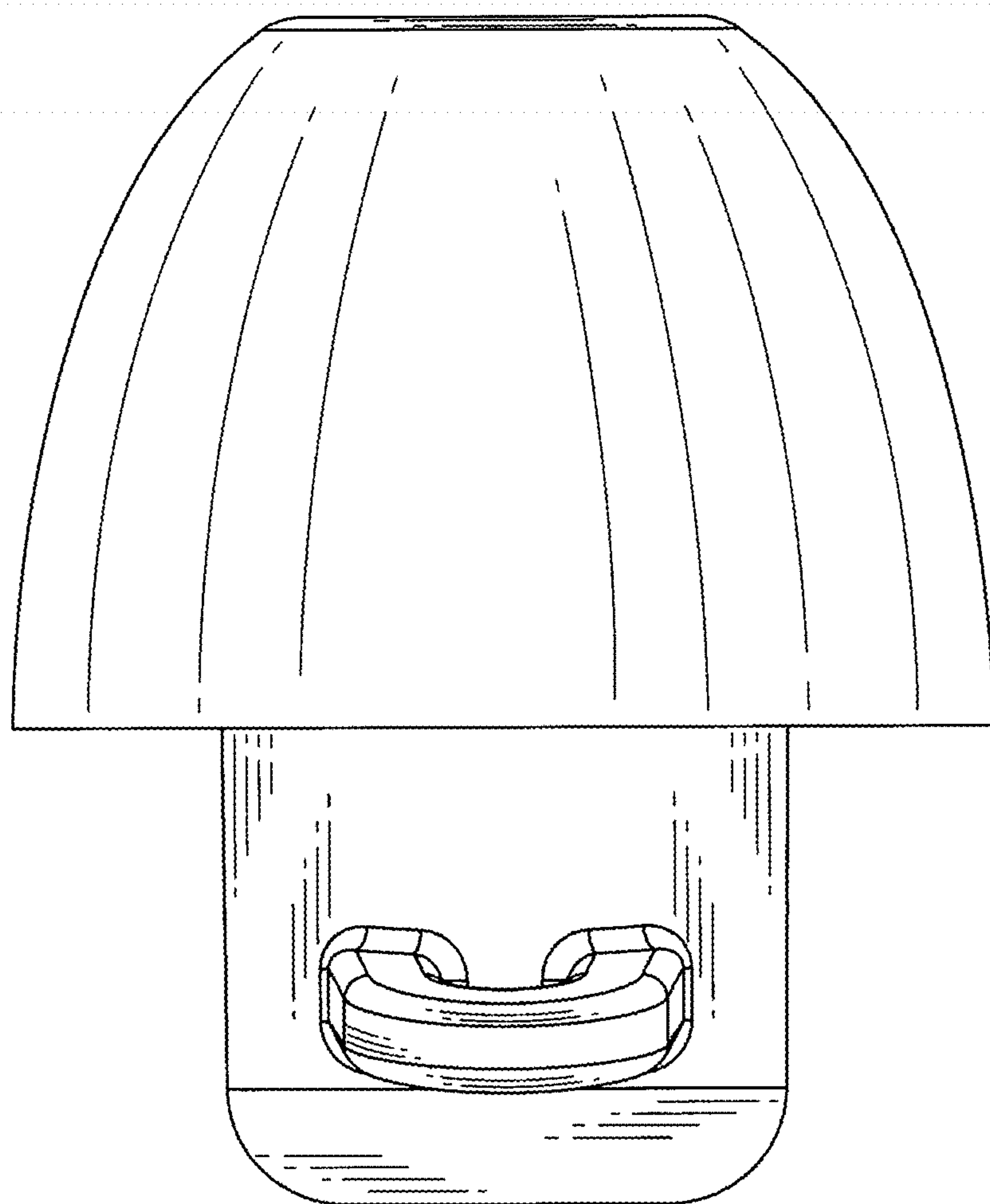


FIG.2

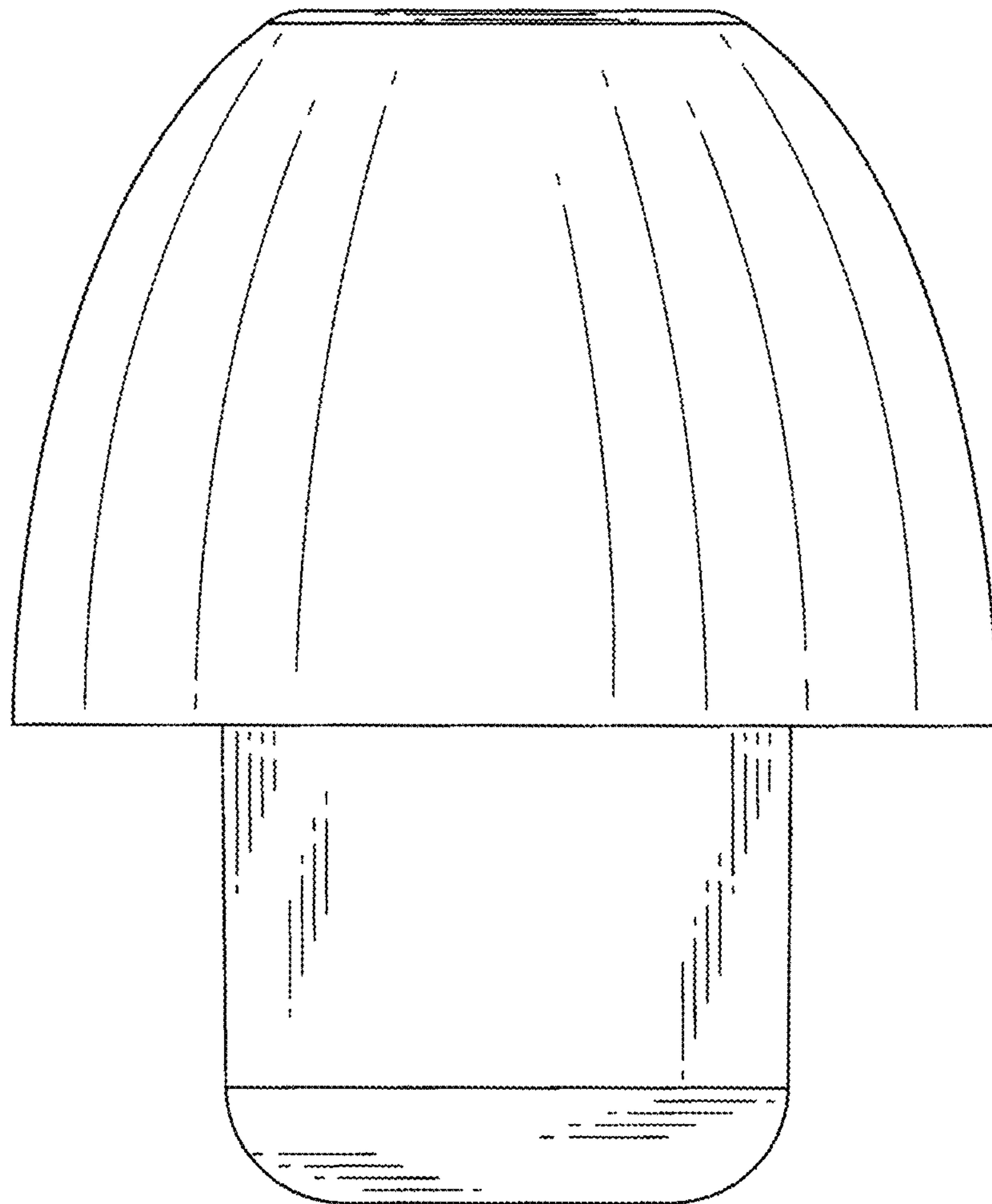


FIG.3

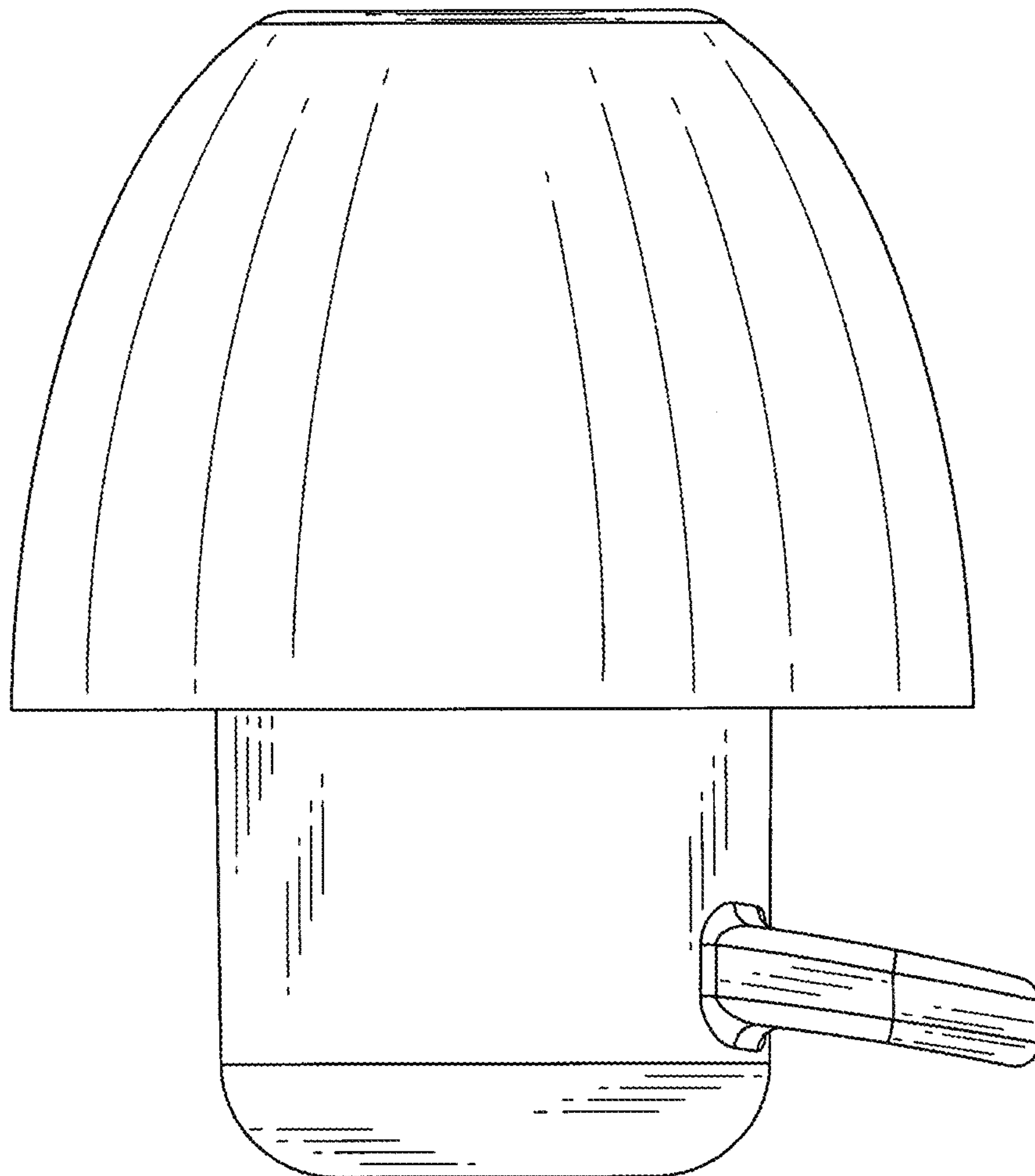


FIG.4

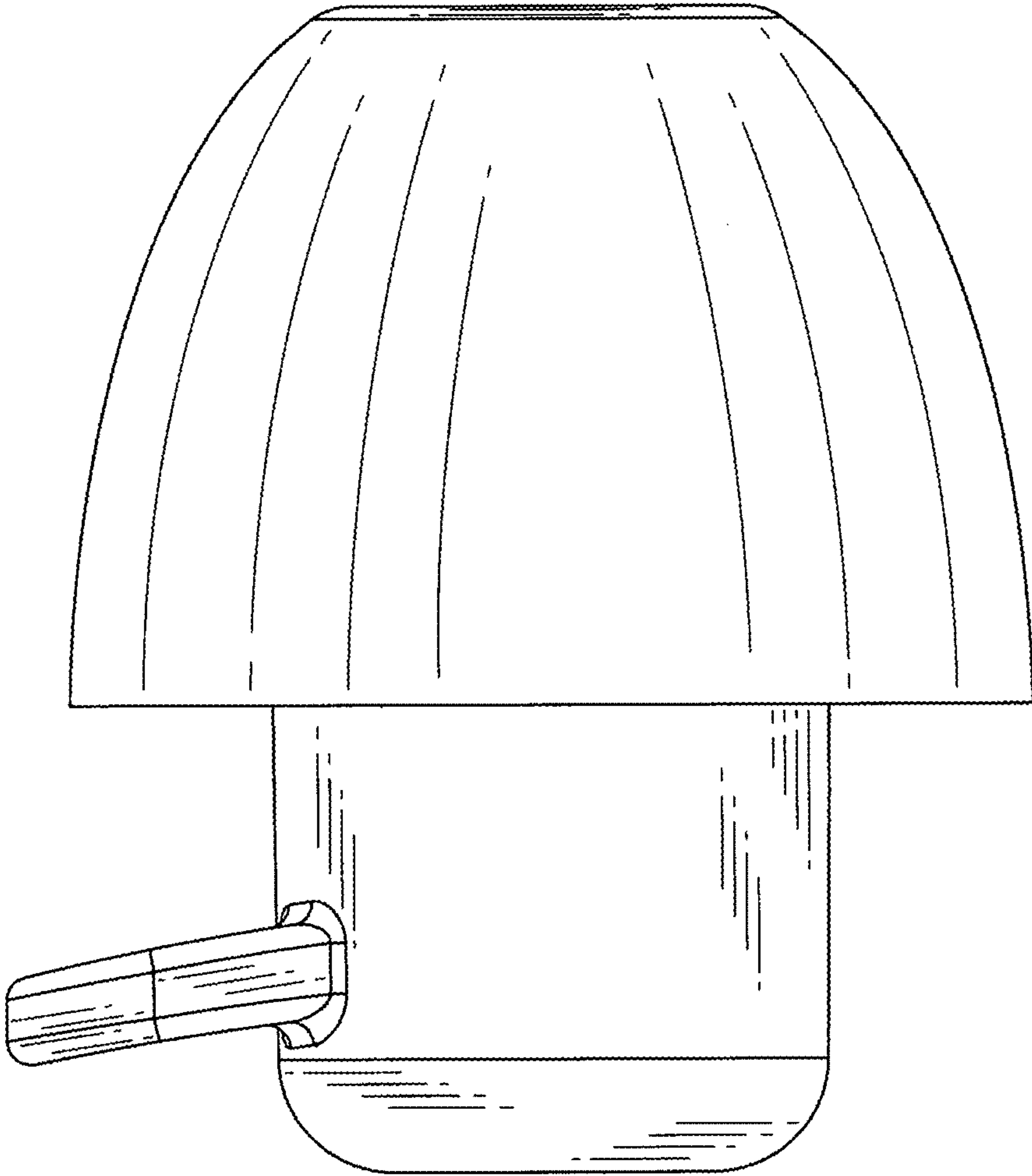


FIG.5

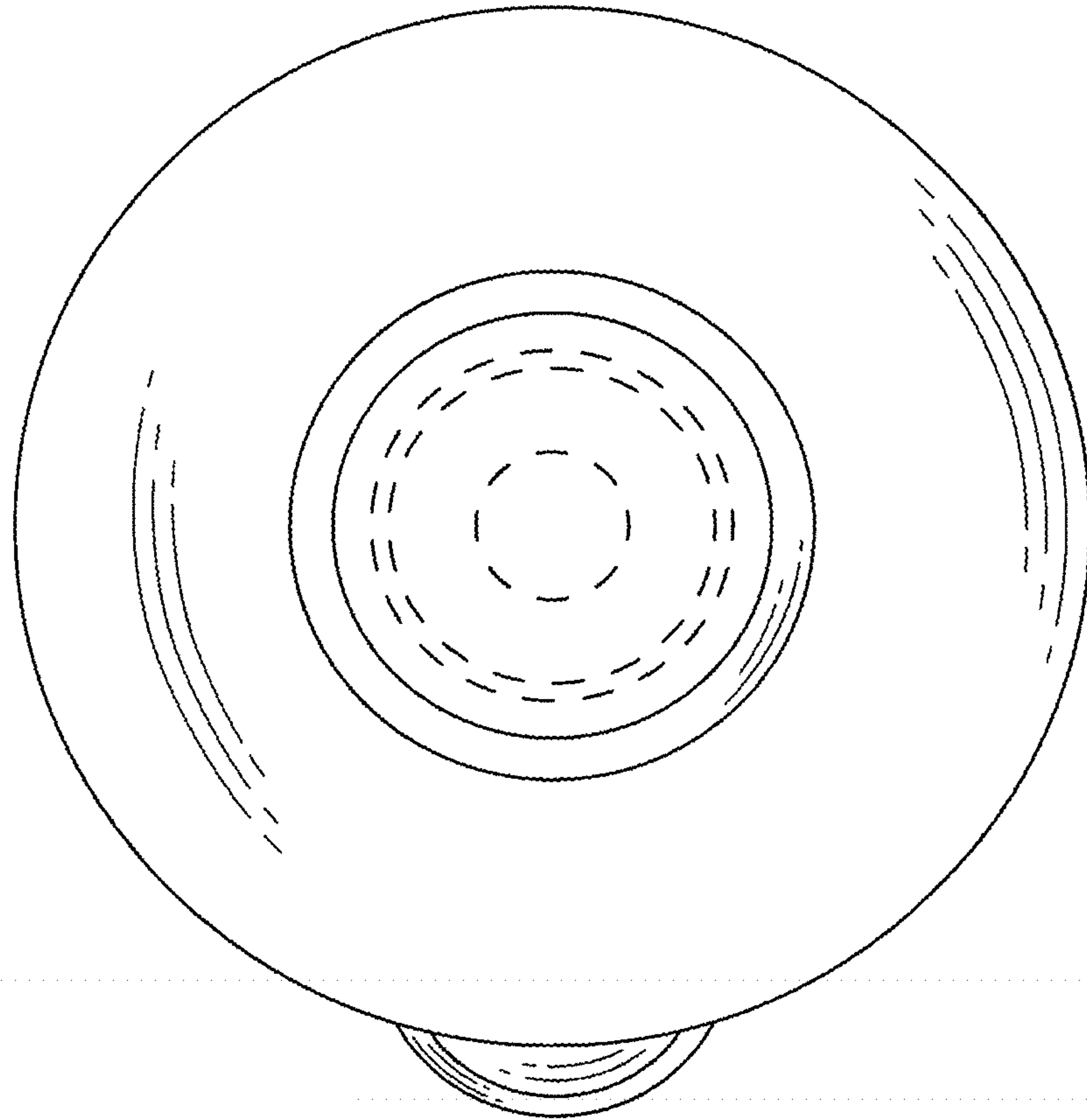


FIG.6

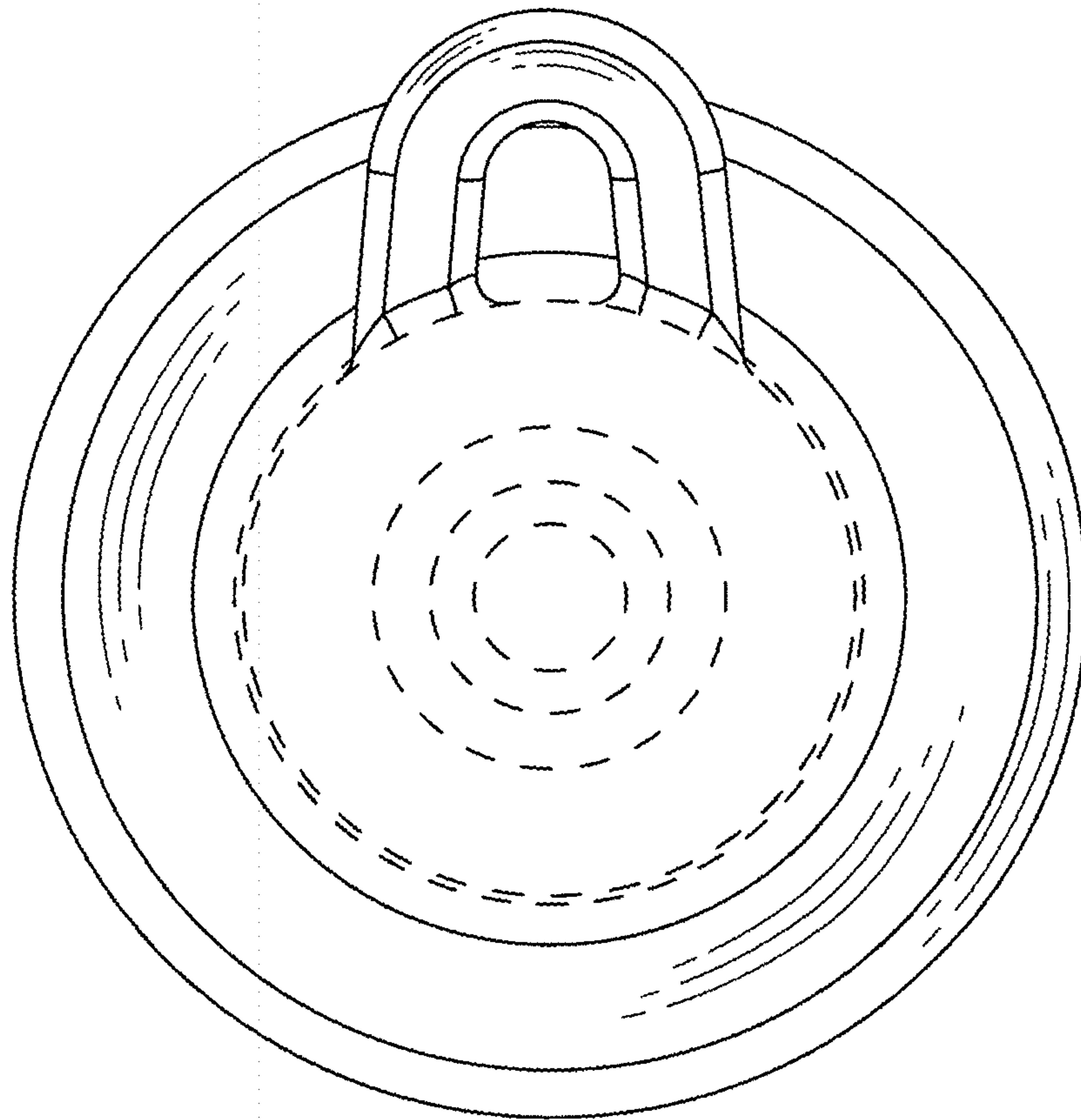


FIG. 7