



US00D872061S

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

(10) **Patent No.:** **US D872,061 S**

(45) **Date of Patent:** **\*\* Jan. 7, 2020**

- (54) **EARPHONE**
- (71) Applicant: **Yonggang Cui**, Guangdong (CN)
- (72) Inventor: **Yonggang Cui**, Guangdong (CN)
- (73) Assignee: **Shenzhen Tuopu Global Technology Co., Ltd**, Shenzhen, Guangdong (CN)
- (\*\*) 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

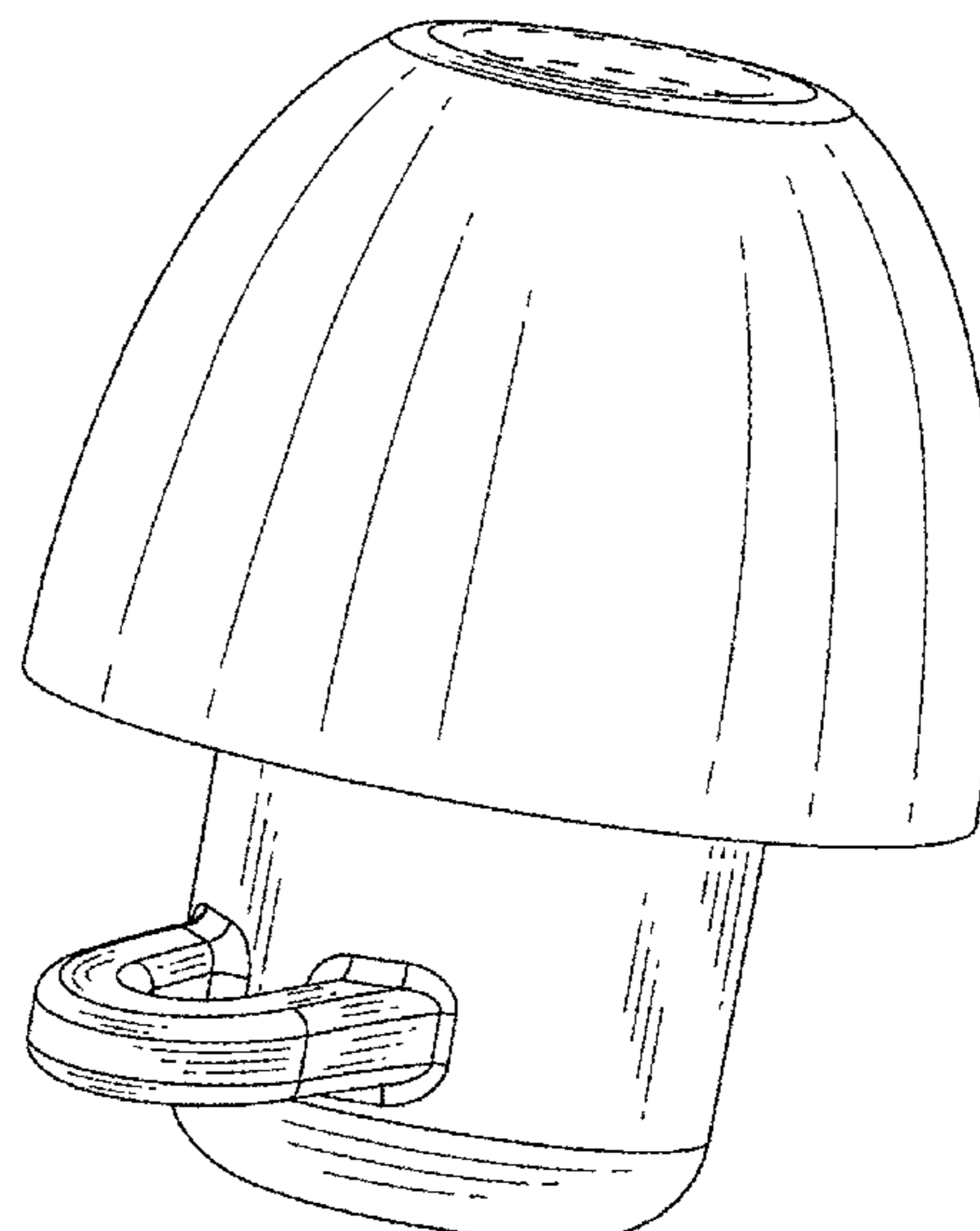
(57) **CLAIM**

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

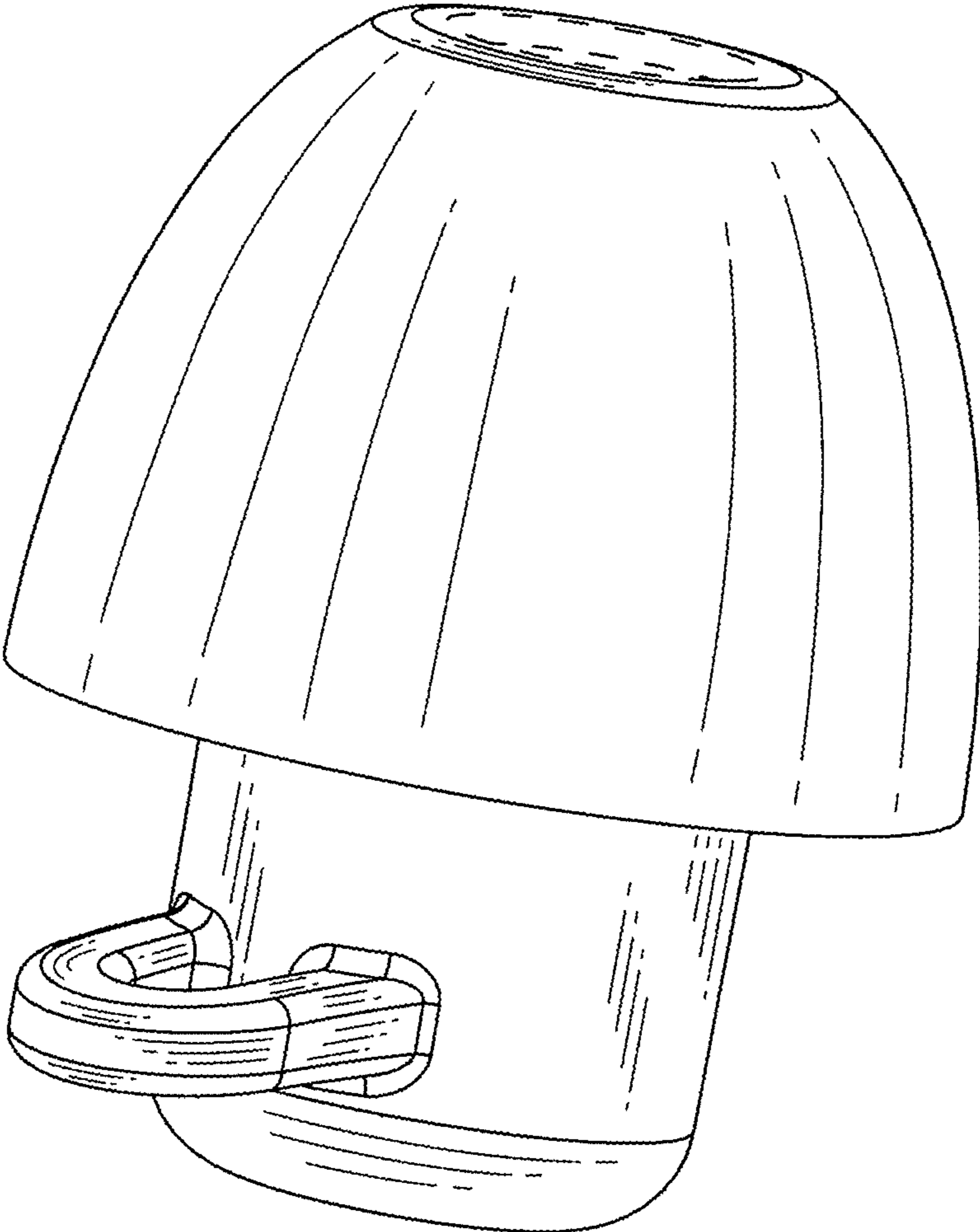


FIG.1

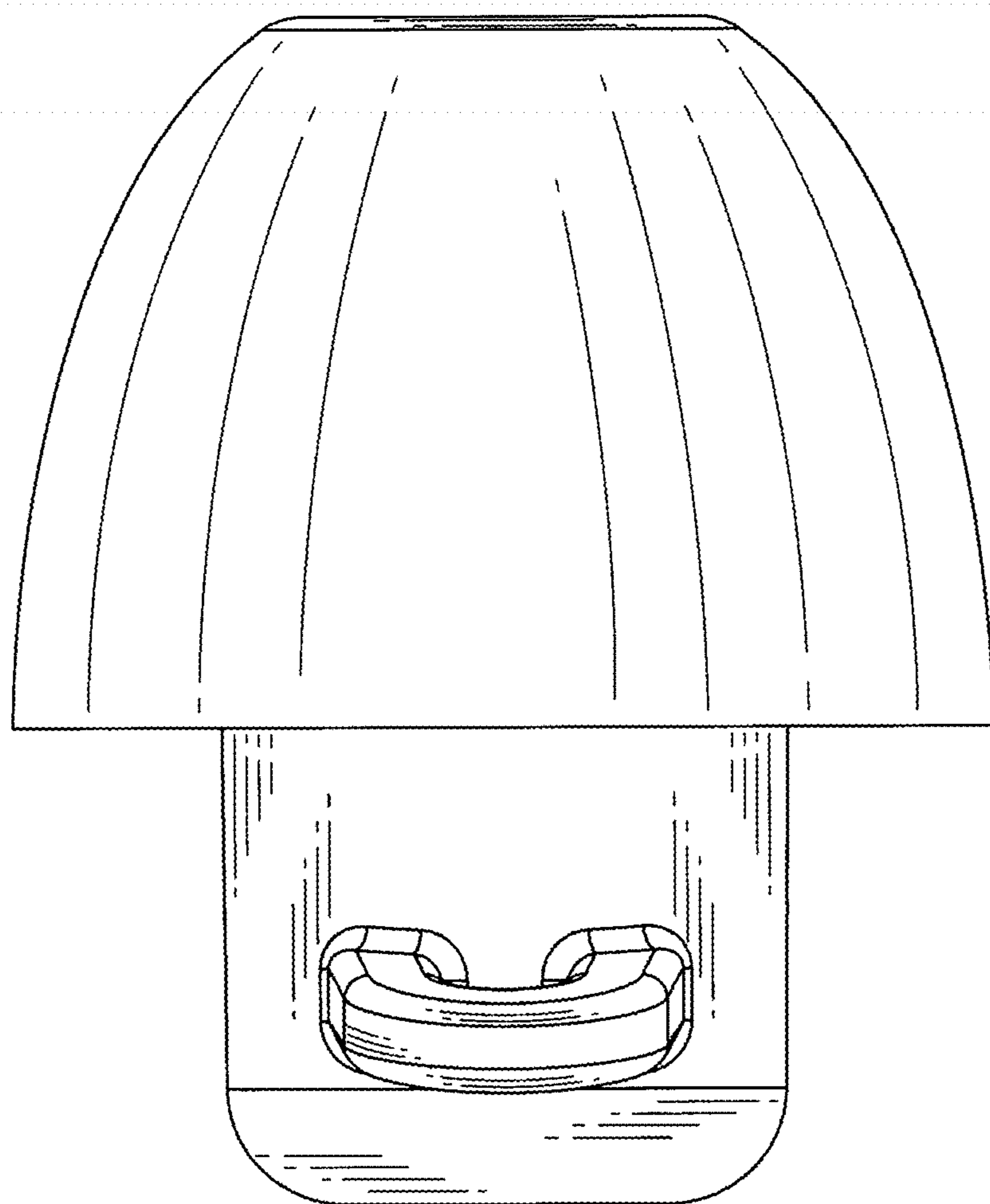


FIG.2

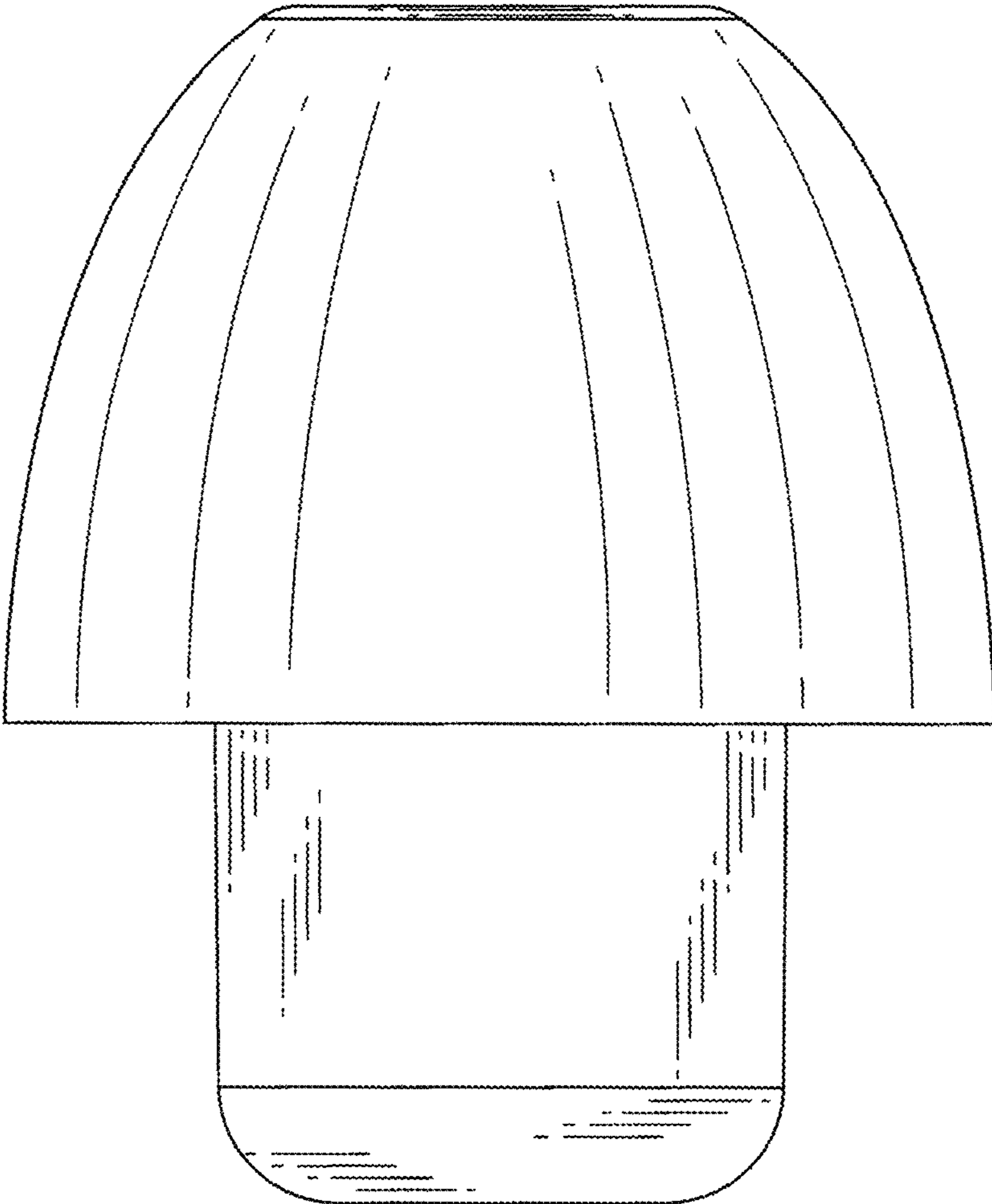


FIG.3

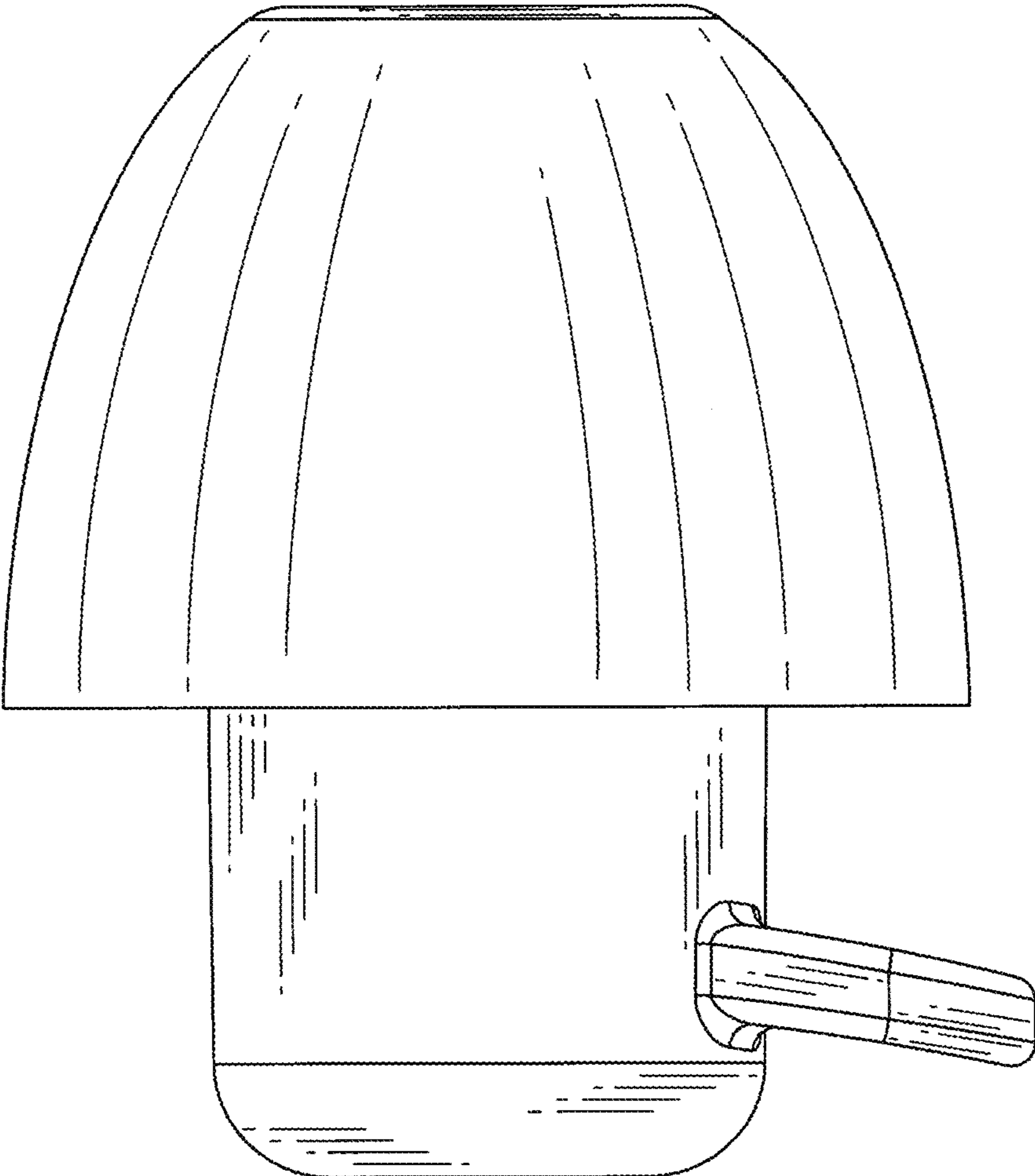


FIG.4

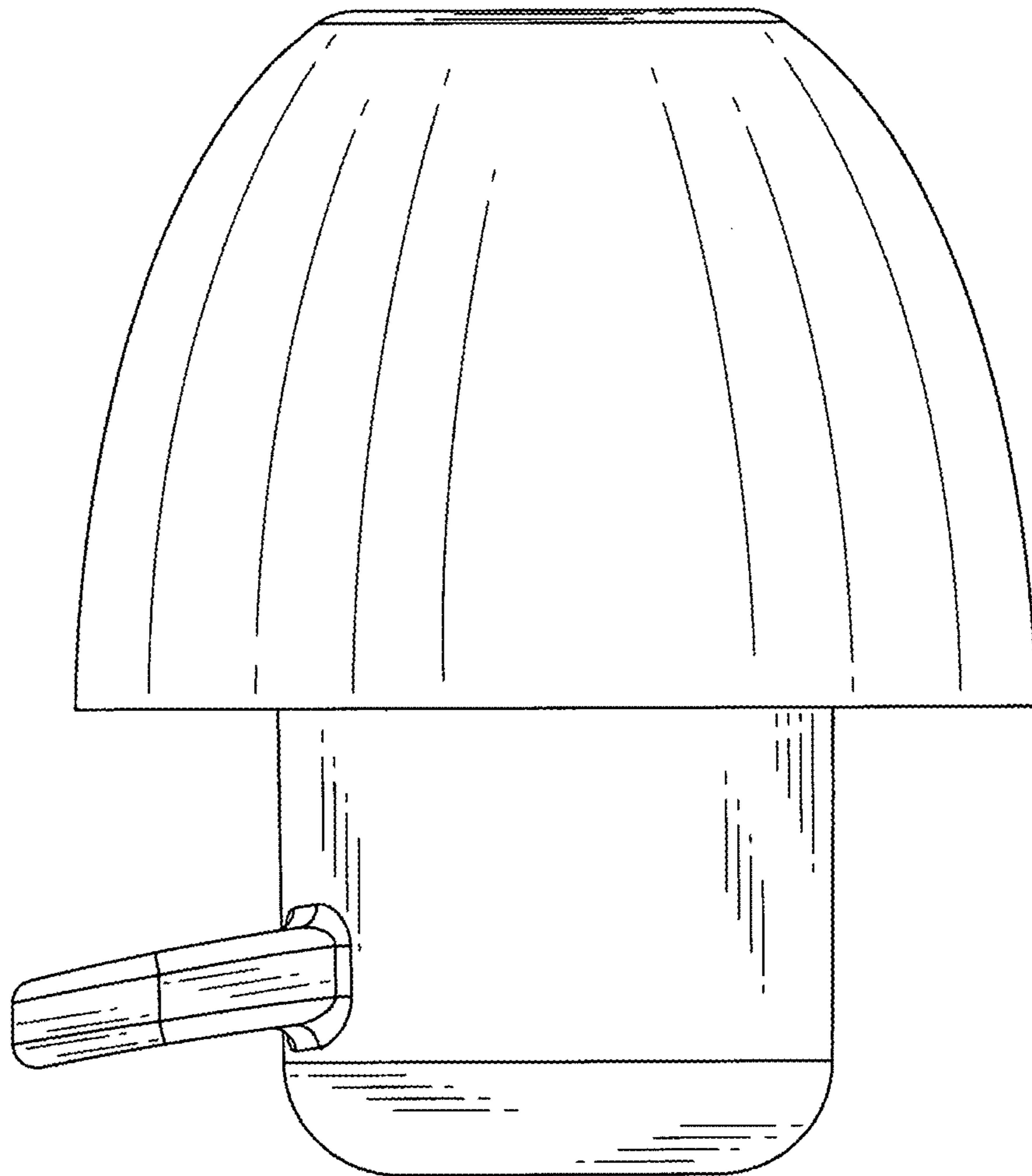


FIG.5

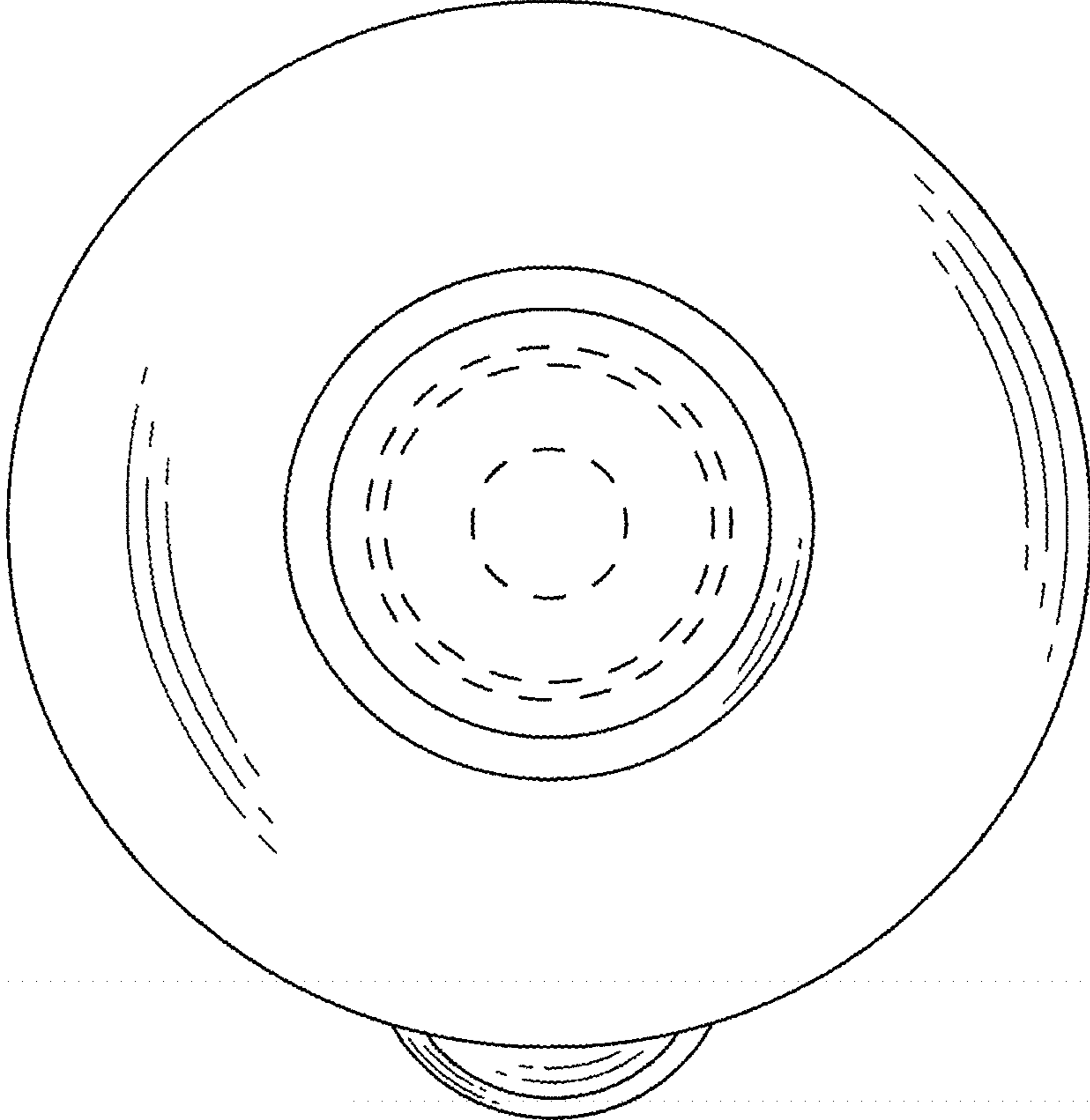


FIG.6



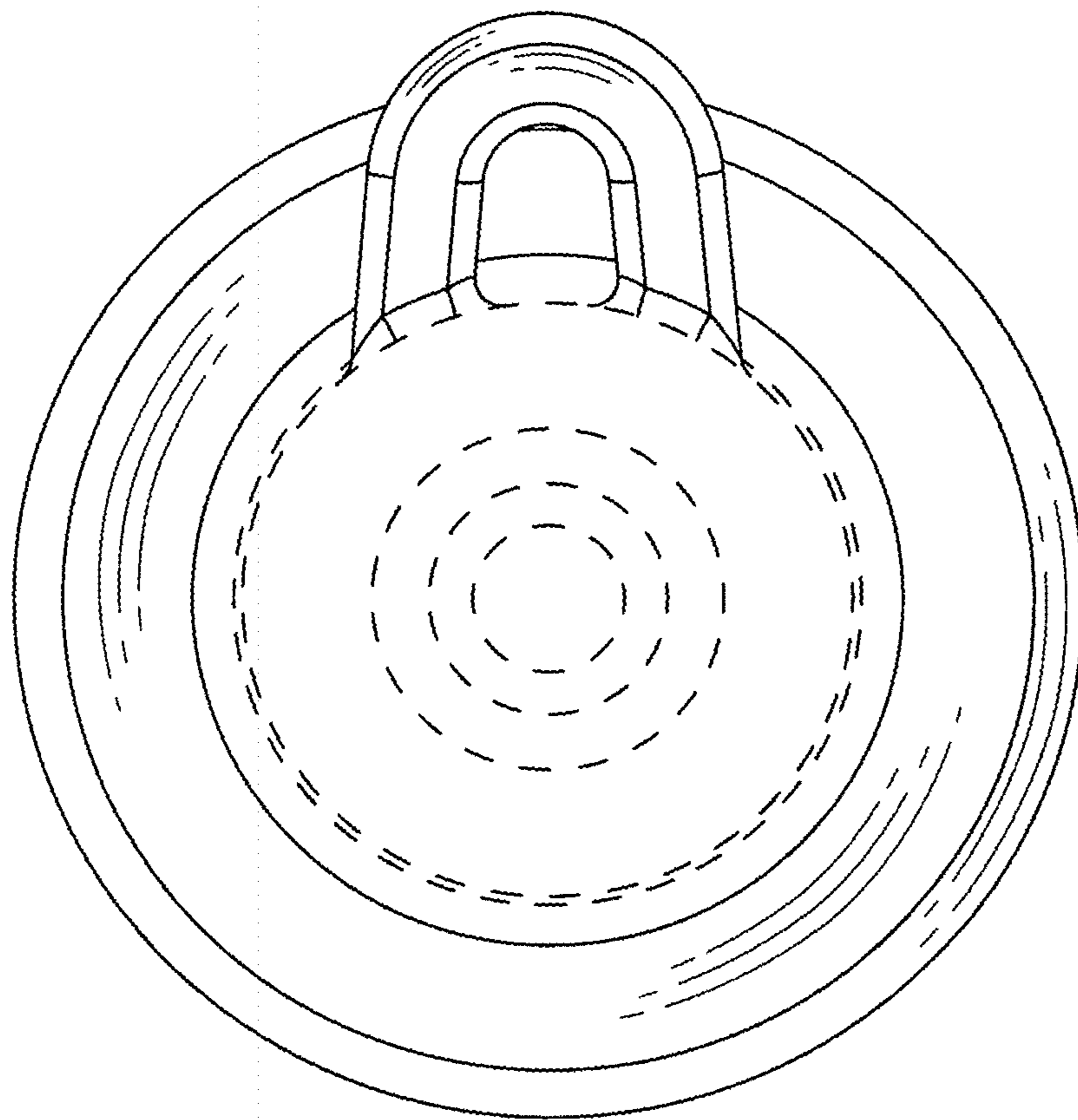


FIG. 7