



US00D822009S

(12) **United States Design Patent**  
**Matoba et al.**

(10) **Patent No.:** **US D822,009 S**

(45) **Date of Patent:** **\*\* Jul. 3, 2018**

(54) **EARPHONE**

(71) Applicant: **AUDIO-TECHNICA CORPORATION**, Tokyo (JP)

(72) Inventors: **Hiroyuki Matoba**, Kanagawa (JP);  
**Shohei Araki**, Kanagawa (JP)

(73) Assignee: **Audio-Technica Corporation**, Tokyo (JP)

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

(21) Appl. No.: **29/597,305**

(22) Filed: **Mar. 16, 2017**

(30) **Foreign Application Priority Data**

Sep. 20, 2016 (JP) ..... 2016-020291

(51) **LOC (11) Cl.** ..... **14-01**

(52) **U.S. Cl.**  
USPC ..... **D14/223**; D14/205

(58) **Field of Classification Search**  
USPC ..... D14/223, 205; 181/129, 130, 135;  
379/430, 431; 381/380, 381, 322, 330,  
381/378, 370, 353, 372, 373; 455/90.3,  
455/575.1, 569.1  
CPC ..... H04R 1/10; H04R 25/00; H04R 25/02;  
H04R 1/1058; H04R 1/1016; H04R  
25/65; H04R 1/20; H04R 1/105; H04R  
1/1091  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- 5,410,608 A \* 4/1995 Lucey ..... H04R 1/083  
381/360
- 6,574,345 B1 \* 6/2003 Huang ..... H04R 1/1016  
379/430
- D542,782 S \* 5/2007 Pena Angarita ..... D14/223

- D554,627 S \* 11/2007 Gondo ..... D14/223
- D555,152 S \* 11/2007 Wang ..... D14/223
- D567,217 S \* 4/2008 Kamo ..... D14/205
- D569,841 S \* 5/2008 Chung ..... D14/205
- D572,703 S \* 7/2008 Ledbetter ..... D14/205
- D576,154 S \* 9/2008 Ledbetter ..... D14/223
- D587,681 S \* 3/2009 Yanai ..... D14/205
- D587,685 S \* 3/2009 Densho ..... D14/206
- D589,493 S \* 3/2009 Densho ..... D14/206
- D594,441 S \* 6/2009 Lee ..... D14/205
- D598,894 S \* 8/2009 Masuda ..... D14/205
- D599,778 S \* 9/2009 Ando ..... D14/205
- D602,475 S \* 10/2009 Martin ..... D14/223
- D618,211 S \* 6/2010 Oguro ..... D14/205
- D627,764 S \* 11/2010 Tsai ..... D14/223
- D628,193 S \* 11/2010 Zheng ..... D14/223
- D628,564 S \* 12/2010 Chong ..... D14/223
- D629,395 S \* 12/2010 Lee ..... D14/223
- D637,181 S \* 5/2011 Fuller ..... D14/223
- D643,416 S \* 8/2011 Chong ..... D14/223
- D653,236 S \* 1/2012 Andre ..... D14/205

(Continued)

*Primary Examiner* — Paula Allen Greene

(74) *Attorney, Agent, or Firm* — W&C IP

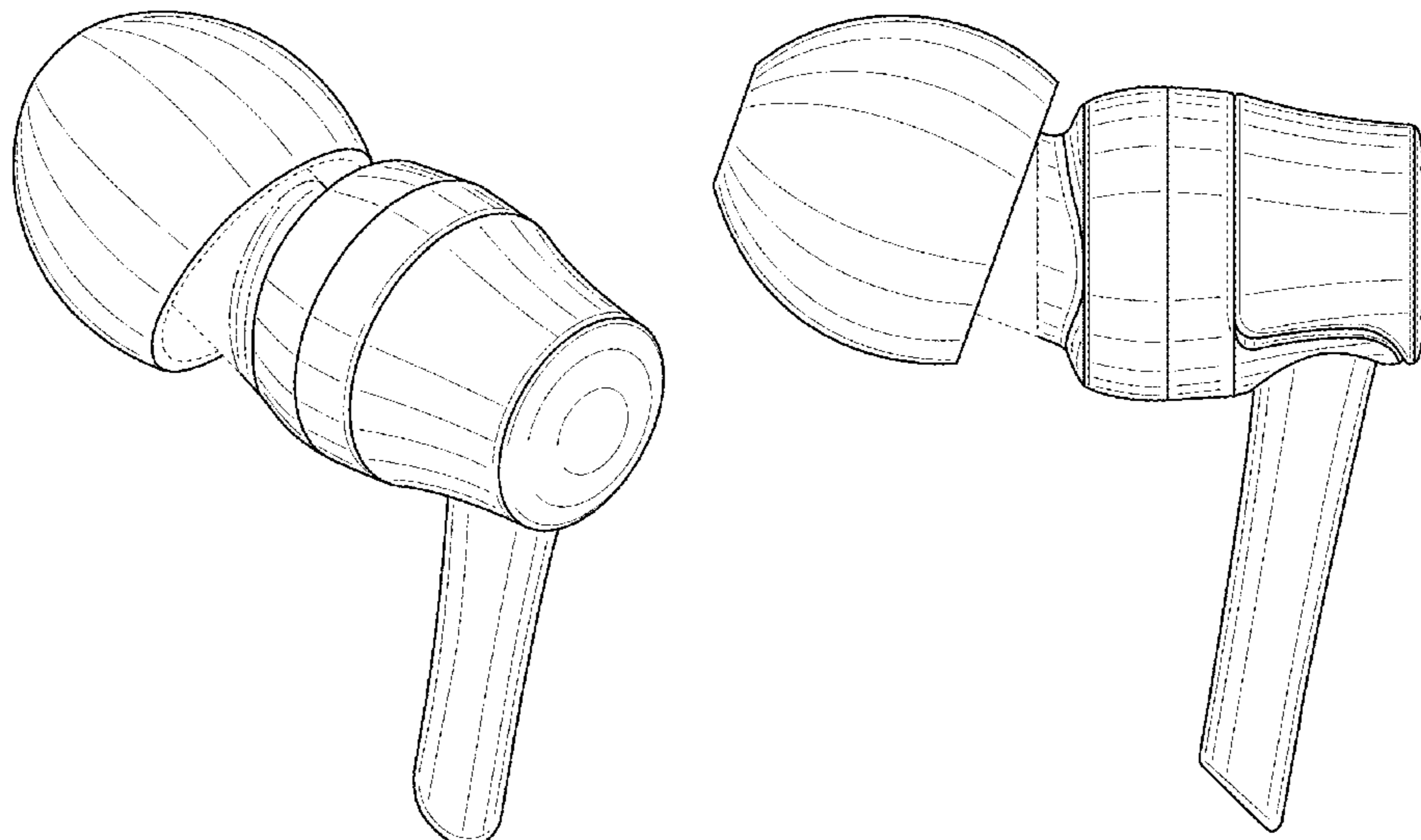
(57) **CLAIM**

We claim the ornamental design for an earphone, as shown and described.

**DESCRIPTION**

FIG. 1 is a front side perspective view of an earphone; FIG. 2 is a rear side perspective view of the earphone; FIG. 3 is a front elevational view of the earphone; FIG. 4 is a rear elevational view of the earphone; FIG. 5 is a left side elevational view of the earphone; FIG. 6 is a right side elevational view of the earphone; FIG. 7 is a top plan view of the earphone; and, FIG. 8 is a bottom plan view of the earphone. Portions of the drawings shown in broken lines form no part of the claimed design. The dot dash line represents a boundary of the claim and forms no part thereof.

**1 Claim, 8 Drawing Sheets**



(56)

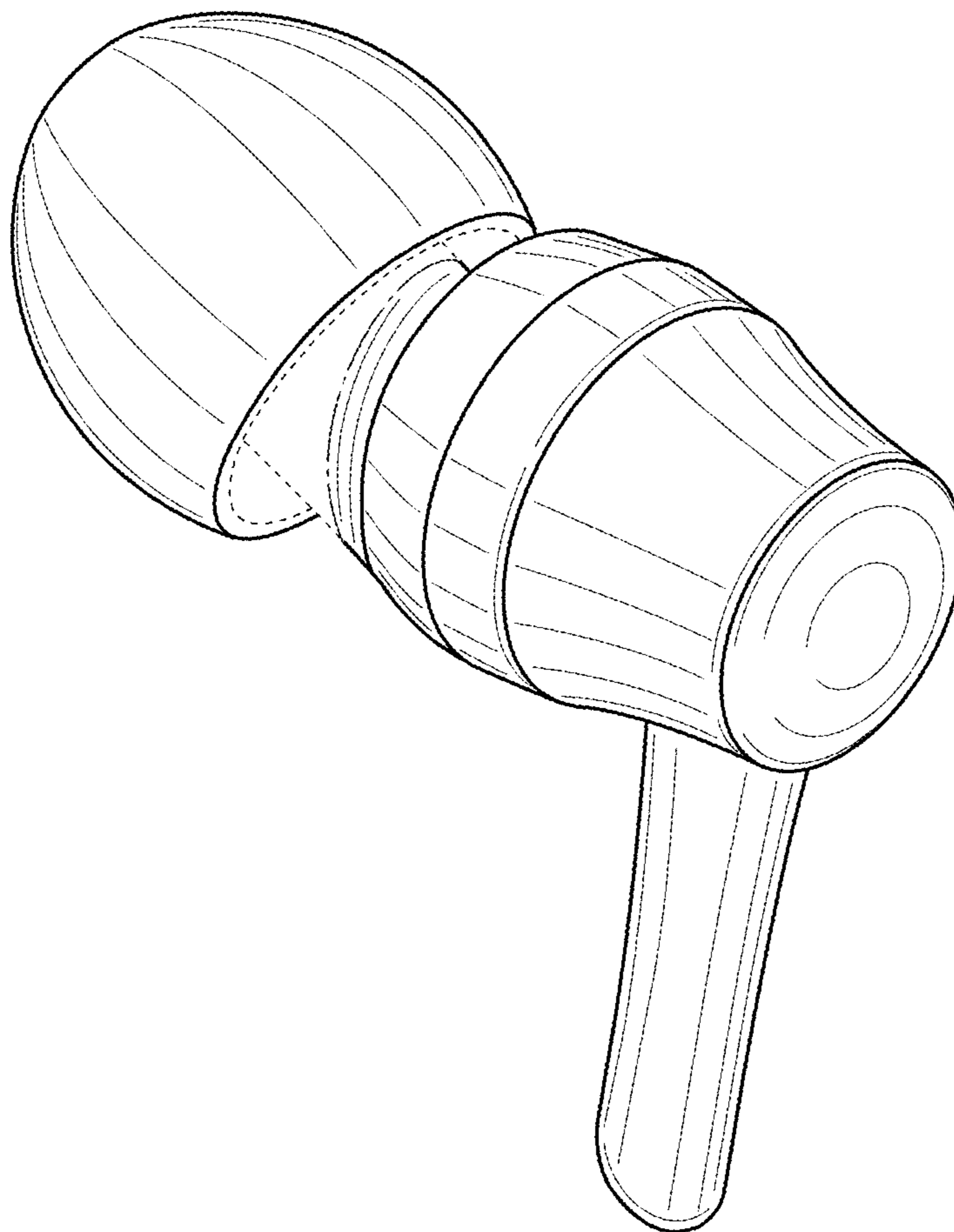
**References Cited**

U.S. PATENT DOCUMENTS

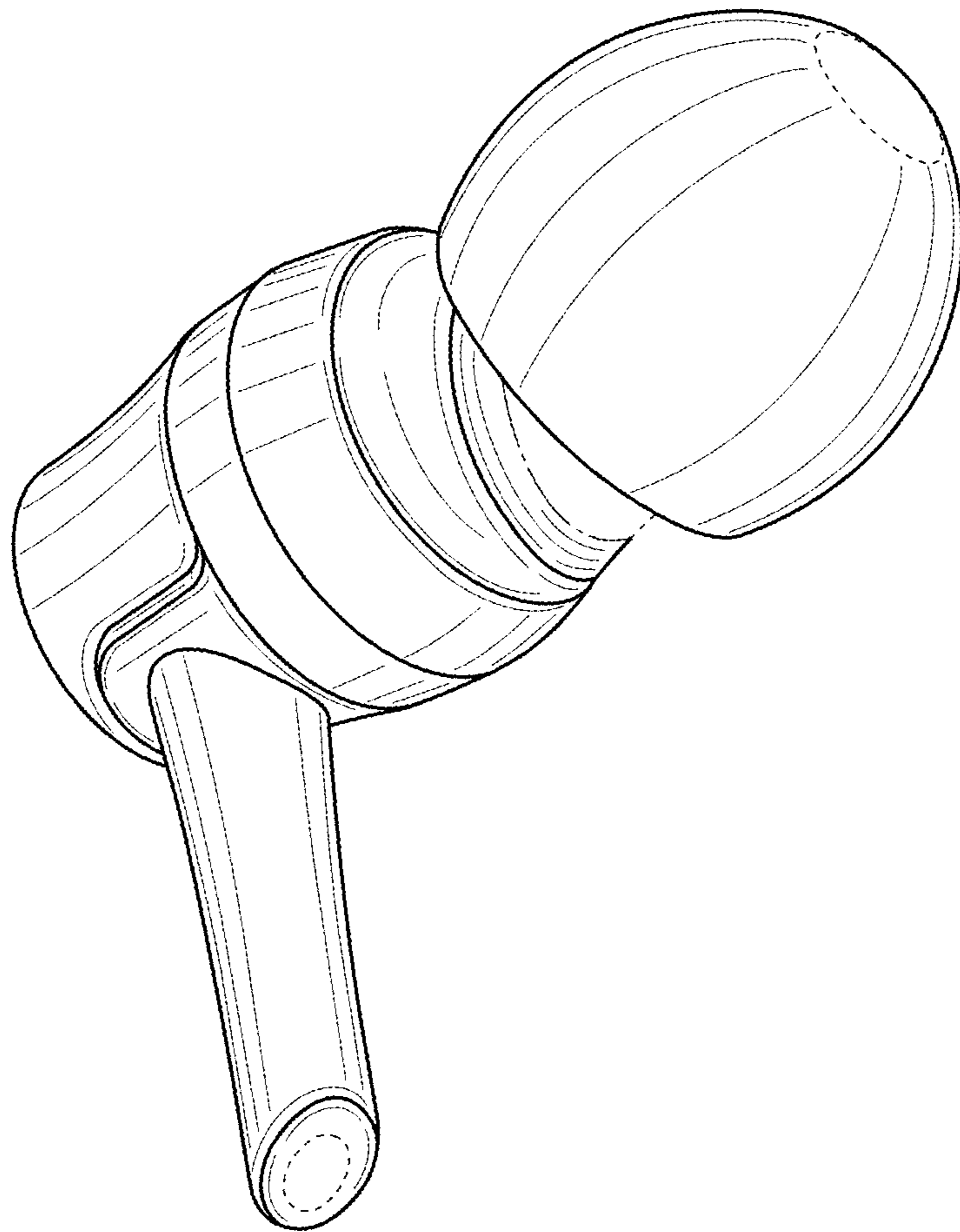
D660,290	S *	5/2012	Weedon .....	D14/223
D674,377	S *	1/2013	Schaefer .....	D14/223
D676,427	S *	2/2013	Yang .....	D14/223
8,391,536	B2 *	3/2013	Hashimoto .....	H04R 1/1016 381/370
D680,102	S *	4/2013	Chen .....	D14/223
D685,767	S *	7/2013	Kelly .....	D14/223
D710,334	S *	8/2014	Yang .....	D14/223
D718,286	S *	11/2014	Yang .....	D14/223
D784,298	S *	4/2017	Ozawa .....	D14/223
D784,962	S *	4/2017	Yang .....	D14/223
D786,221	S *	5/2017	Stoch .....	D14/223
D802,562	S *	11/2017	Baba .....	D14/223
D806,685	S *	1/2018	Park .....	D14/223
2008/0044003	A1 *	2/2008	Yang .....	H04R 1/1016 379/430
2011/0317864	A1 *	12/2011	Kaneko .....	H04R 1/1066 381/380
2012/0057738	A1 *	3/2012	Lin .....	H04R 1/1091 381/370
2013/0170692	A1 *	7/2013	Kaneko .....	H04R 1/1016 381/380
2014/0205125	A1 *	7/2014	Triato .....	H04R 1/1066 381/330
2016/0205458	A1 *	7/2016	Huang .....	H04R 1/1016 381/380

\* cited by examiner

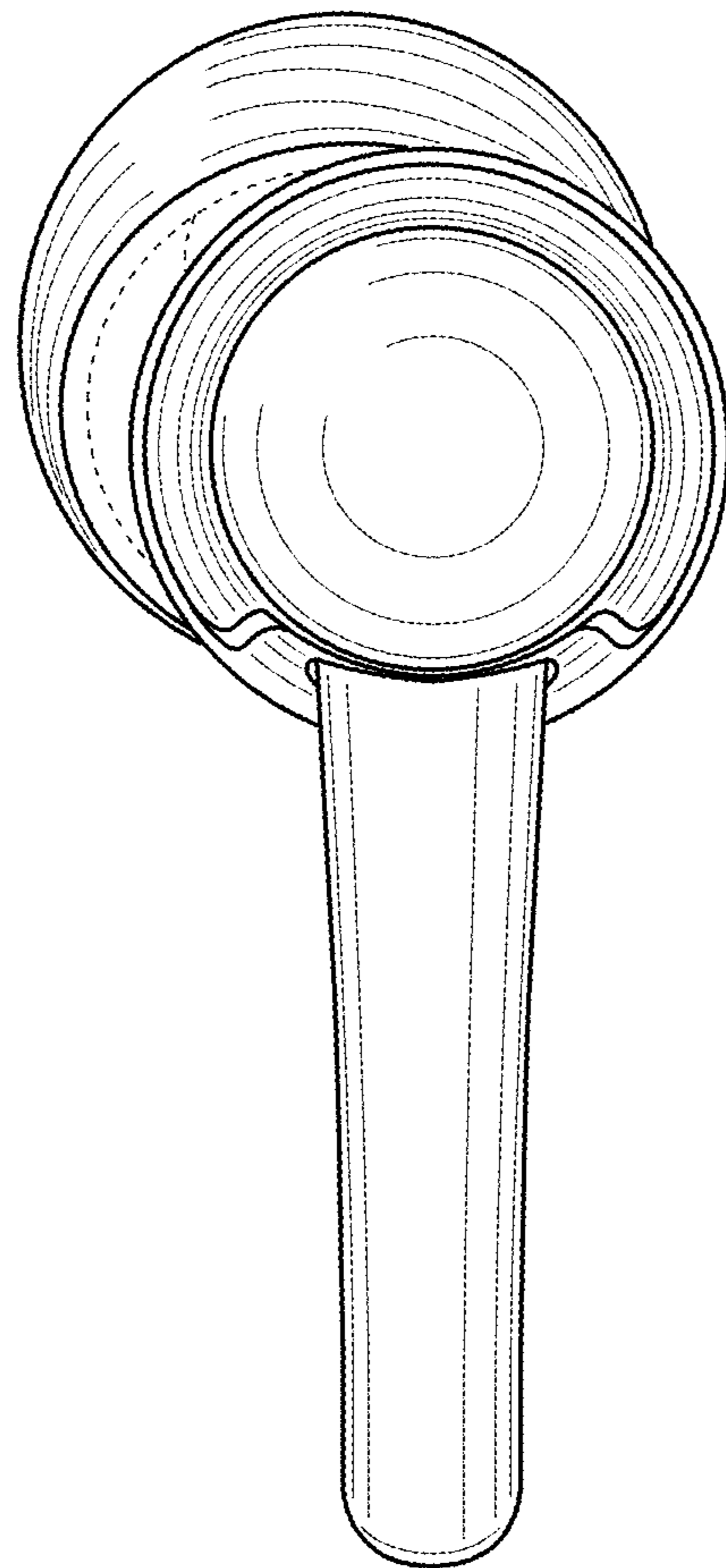
***FIG. 1***



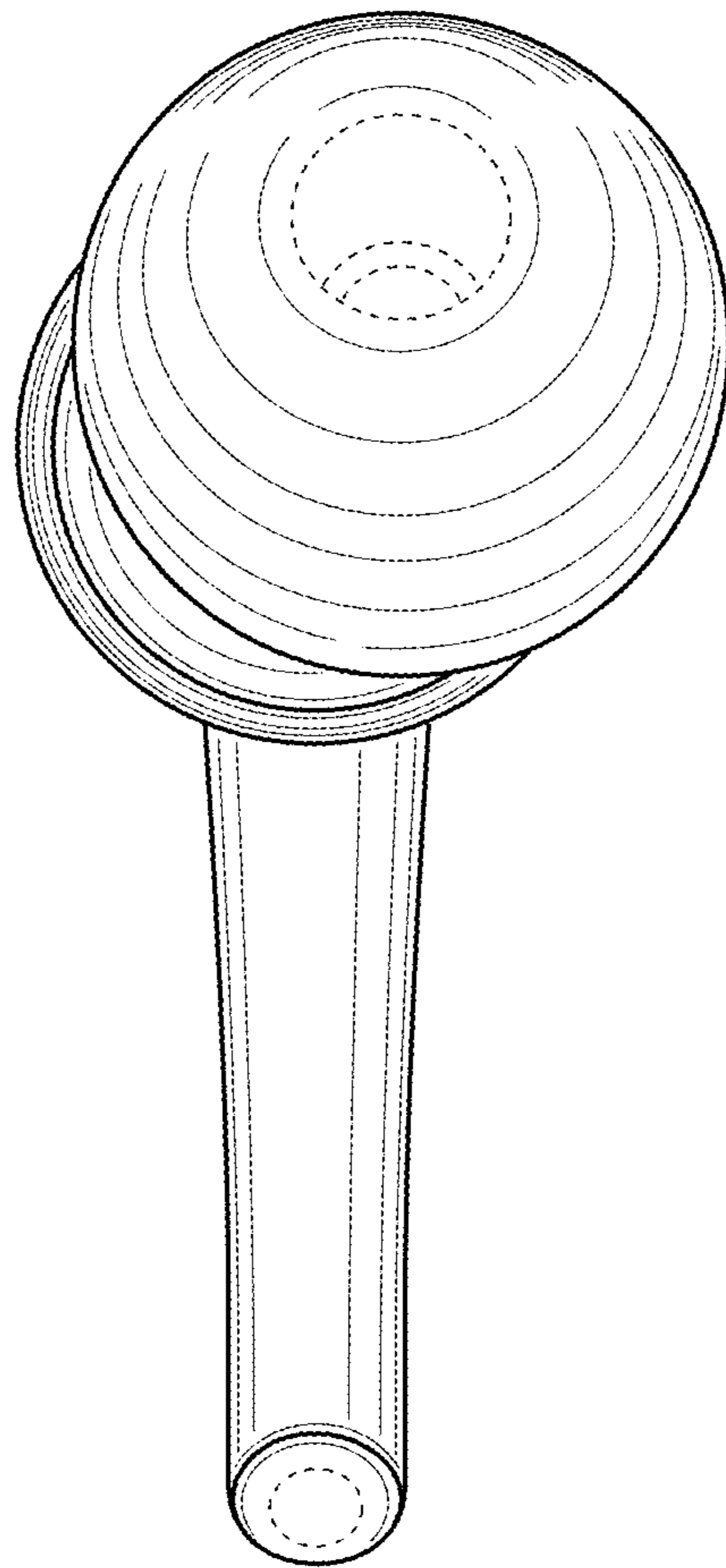
**FIG. 2**



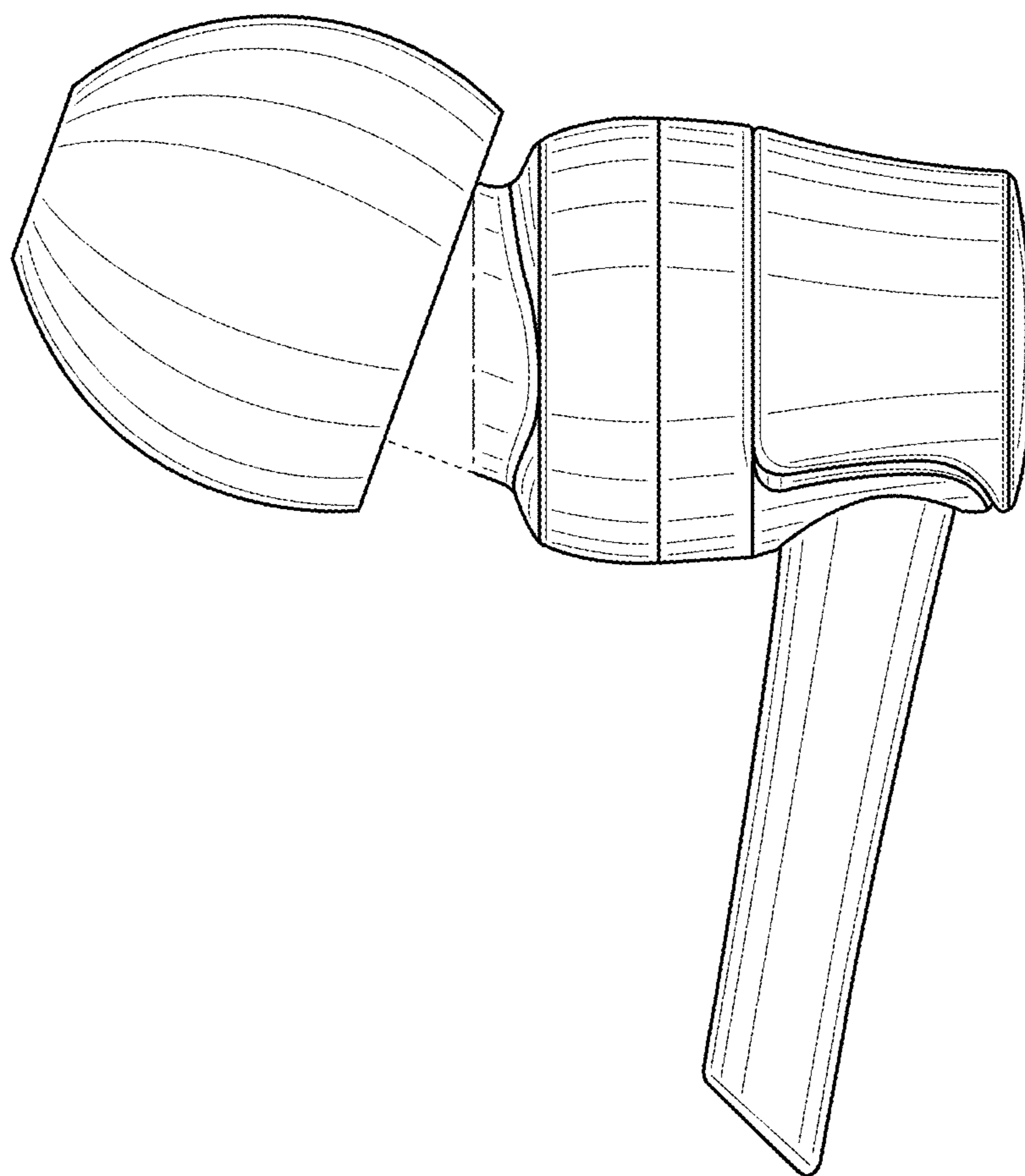
***FIG. 3***



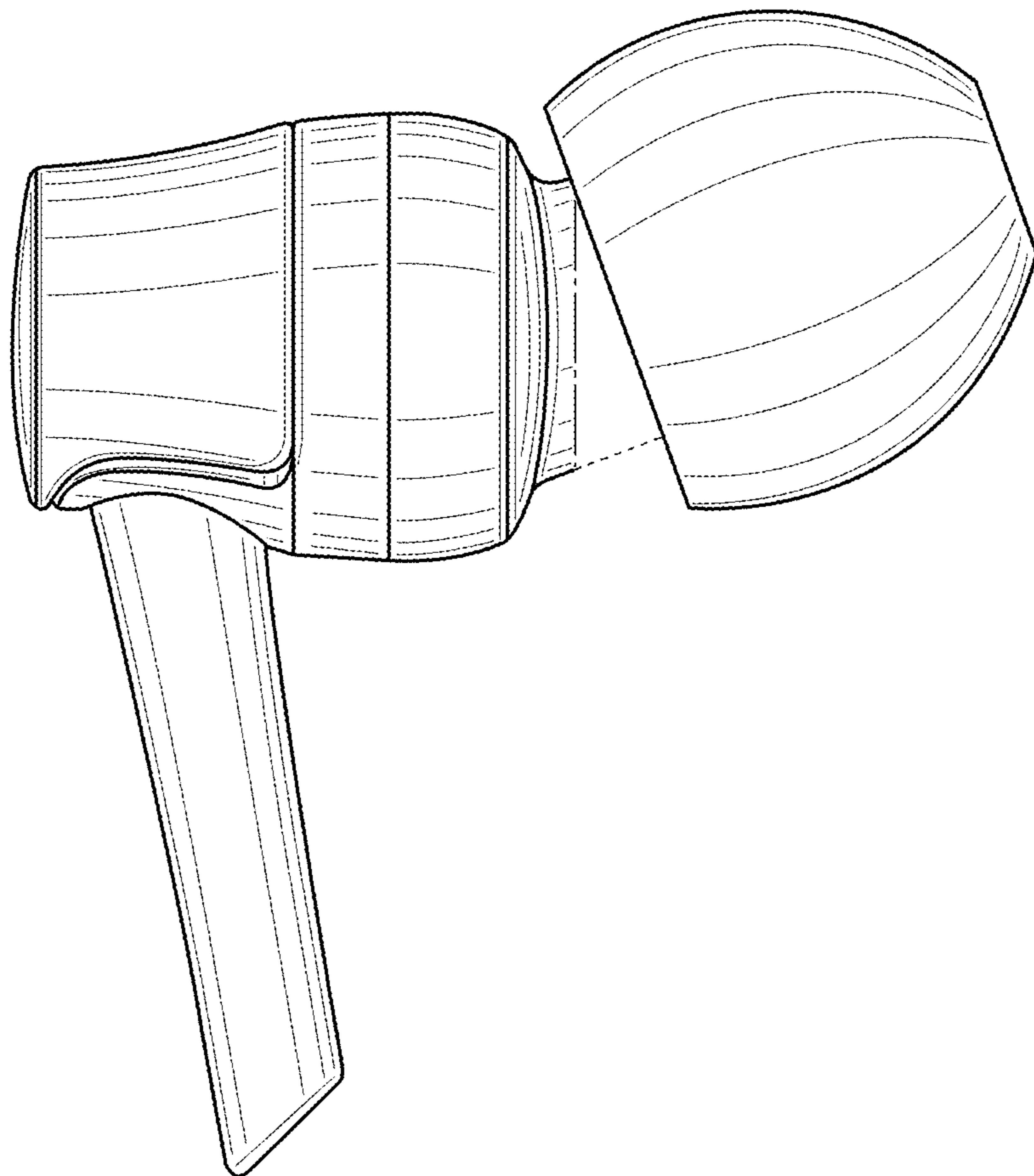
***FIG. 4***



**FIG. 5**

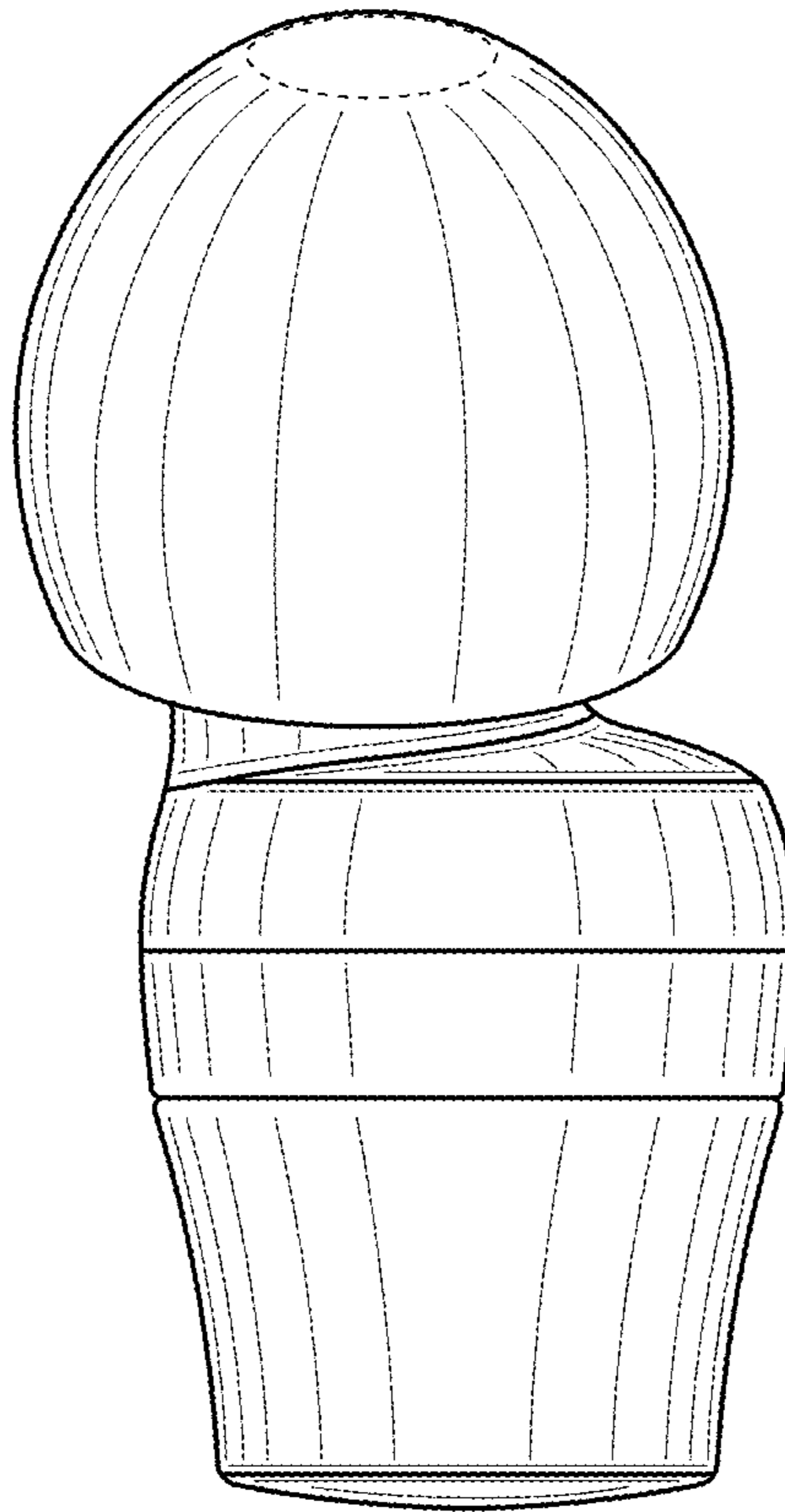


**FIG. 6**





***FIG. 7***



***FIG. 8***

