



US00D833029S

(12) **United States Design Patent** (10) **Patent No.:** **US D833,029 S**
Guenst et al. (45) **Date of Patent:** **** Nov. 6, 2018**

(54) **GUM MASSAGER**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **ToothShower LLC**, Collegeville, PA (US)

CN 2536202 Y 2/2003
EP 0258512 A1 3/1988

(Continued)

(72) Inventors: **Lisa Michelle Guenst**, Collegeville, PA (US); **Daniel Shanahan**, Philadelphia, PA (US); **Robert James Andrade**, Abington, PA (US); **Jeremy Mark Fallis, Jr.**, Bethlehem, PA (US); **Brian Michael Orme**, Phoenixville, PA (US); **Marshal Lyndon Chang**, Philadelphia, PA (US)

OTHER PUBLICATIONS

Youtube (Inventor's Youtube page), "Toothshower", May 22, 2017. https://www.youtube.com/watch?v=2o2bM68m_Zc. Shown at 00:10 second mark. (Year: 2017).*

(Continued)

(73) Assignee: **TOOTHSHOWER, LLC**, Collegeville, PA (US)

Primary Examiner — Cynthia Ramirez
Assistant Examiner — Michael A Maharajh

(74) *Attorney, Agent, or Firm* — Workman Nydegger

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

(21) Appl. No.: **29/642,343**

(22) Filed: **Mar. 29, 2018**

Related U.S. Application Data

(63) Continuation-in-part of application No. 29/603,672, filed on May 11, 2017, and a continuation-in-part of application No. 15/401,144, filed on Jan. 9, 2017.

(51) **LOC (11) Cl.** **28-03**

(52) **U.S. Cl.**
USPC **D24/215**

(58) **Field of Classification Search**
USPC 601/15, 18, 19, 27, 28, 29, 30, 31, 32, 601/46, 47, 48, 52, 72, 99, 112, 113, 118,
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

655,490 A * 8/1900 Hollem A61H 7/003
601/135

683,075 A 9/1901 Schneider
(Continued)

(57) **CLAIM**

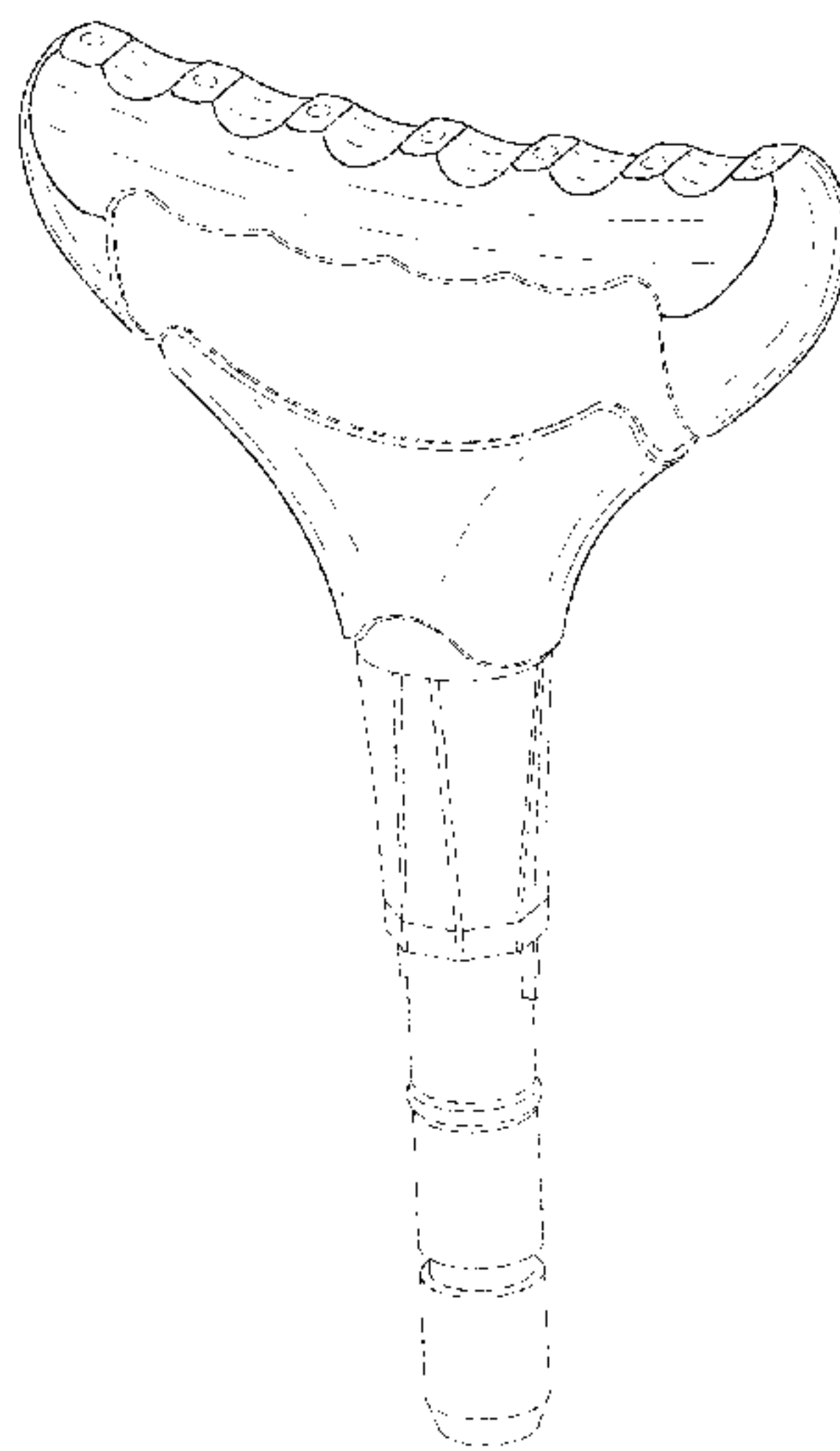
The ornamental design for a gum massager, as shown and described.

DESCRIPTION

FIG. 1 is a front left top perspective view of gum massager. 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 immediately adjacent the shaded areas represent the bounds of the claimed design while all the other broken lines are directed to environment and are for illustrative purposes only; the broken lines form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(58) **Field of Classification Search**
 USPC .. 601/135, 137, DIG. 12, DIG. 14, DIG. 15,
 601/DIG. 16, DIG. 17; D24/200, 211,
 D24/212, 213, 214, 215; D30/160;
 600/38; D4/104, 105
 CPC A61H 13/00; A61H 23/0263; A61H 7/003;
 A46B 2200/1066; A46B 5/02; A61C
 15/00
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

803,475	A	10/1905	Dennis	
1,500,107	A	7/1924	Chandler	
1,646,942	A	10/1927	Tuorto	
1,769,872	A *	7/1930	Weeks	A61H 7/003 601/137
1,868,368	A	7/1932	Reese	
2,638,527	A *	5/1953	Curtis	A61F 7/007 601/15
2,672,143	A	3/1954	Gold et al.	
3,379,192	A	4/1968	Warren, Jr.	
3,424,156	A	1/1969	Smith	
3,468,306	A	9/1969	Heitzman	
3,480,008	A	11/1969	Chao	
3,481,329	A	12/1969	Warren, Jr.	
3,489,141	A	1/1970	Warren, Jr.	
3,504,666	A	4/1970	Vireno	
3,509,874	A	5/1970	Stillman	
3,516,402	A	6/1970	Toth	
3,527,218	A	9/1970	Westline	
3,537,444	A	11/1970	Garn et al.	
3,542,017	A	11/1970	Adams	
3,568,667	A	3/1971	Krieger	
3,593,707	A	7/1971	Pifer	
3,612,045	A	10/1971	Dudas et al.	
3,669,101	A	6/1972	Kleiner	
3,731,675	A	5/1973	Kelly	
3,742,942	A	7/1973	Westline	
3,753,435	A	8/1973	Blasnik	
3,769,976	A	11/1973	Victory	
3,769,977	A	11/1973	Victory	
3,820,532	A	6/1974	Eberhardt et al.	
3,883,074	A	5/1975	Lambert	
3,973,558	A	8/1976	Stouffer et al.	
4,043,337	A	8/1977	Baughner	
4,106,501	A	8/1978	Ozbey et al.	
4,122,845	A	10/1978	Stouffer et al.	
4,164,940	A	8/1979	Quinby	
4,265,229	A	5/1981	Rice et al.	
4,564,005	A	1/1986	Marchand et al.	
4,630,629	A	12/1986	Nimberger	
4,640,462	A	2/1987	Stearns, III	
4,793,331	A	12/1988	Stewart	
4,863,302	A	9/1989	Herzfeld et al.	
4,865,021	A	9/1989	Siderman	
4,941,459	A	7/1990	Mathur	
5,027,798	A	7/1991	Primiano	
5,095,893	A	3/1992	Rawden, Jr.	
5,104,315	A	4/1992	McKinley	
5,136,128	A	8/1992	Thomas	
5,218,956	A	6/1993	Handler et al.	
5,220,914	A	6/1993	Thompson	
5,292,074	A	3/1994	Clark et al.	
5,365,624	A	11/1994	Berns	
5,387,182	A	2/1995	Otani	
5,484,281	A	1/1996	Renow et al.	
5,564,629	A	10/1996	Weissman et al.	
5,626,472	A	5/1997	Pennetta	
5,667,483	A	9/1997	Santos	
5,746,595	A	5/1998	Ford	
6,089,865	A	7/2000	Edgar	
6,193,512	B1	2/2001	Wallace	
6,305,617	B1	10/2001	Yu	
6,795,981	B2	9/2004	Sato et al.	

6,893,259	B1	5/2005	Reizenon	
6,908,047	B2	6/2005	Saunders et al.	
7,314,456	B2	1/2008	Shaw	
D565,175	S	3/2008	Boyd et al.	
7,367,803	B2	5/2008	Egeresi	
D574,952	S	8/2008	Boyd et al.	
7,814,585	B1	10/2010	Reich	
8,137,295	B2	3/2012	Castaldi et al.	
8,444,340	B2	5/2013	Best	
8,449,295	B2	5/2013	Hegemann	
8,647,447	B2	2/2014	Bunting et al.	
8,684,956	B2	4/2014	McDonough et al.	
D708,755	S *	7/2014	Kim	D24/215
8,801,316	B1	8/2014	Abedini	
D725,770	S	3/2015	Kim et al.	
D728,118	S	4/2015	Welt et al.	
D747,464	S	1/2016	Taylor et al.	
9,232,854	B2 *	1/2016	Ladva	A61B 17/244
9,233,048	B2 *	1/2016	Wu	A61H 23/0263
D755,985	S *	5/2016	Porat	D24/215
D766,454	S *	9/2016	Higgins	D24/214
D802,119	S	11/2017	Kim	
D818,600	S *	5/2018	Black	D24/214
D826,568	S *	8/2018	Sheinkman	D4/105
2003/0181837	A1	9/2003	Kaplowitz	
2004/0045107	A1	3/2004	Egeresi	
2006/0057539	A1	3/2006	Sodo	
2006/0079818	A1	4/2006	Yande	
2007/0184404	A1	8/2007	Johnki	
2008/0078021	A1	4/2008	Welch	
2009/0082706	A1	3/2009	Shaw	
2009/0098506	A1	4/2009	Shaw	
2009/0124945	A1	5/2009	Reich et al.	
2012/0064480	A1	3/2012	Hegemann	
2014/0261534	A1	9/2014	Schepis	
2015/0072303	A1	3/2015	Boyd et al.	
2015/0102130	A1	4/2015	Davenport	
2015/0250570	A1	9/2015	Persons et al.	
2016/0151133	A1	6/2016	Luetgen et al.	

FOREIGN PATENT DOCUMENTS

FR	2277567	2/1976
JP	2006141613 A	6/2006
KR	200374492 Y1	1/2005
KR	20120126260 A	11/2012
WO	2004021958 A1	3/2004

OTHER PUBLICATIONS

Pneumadyne, Inc. Cross Section, 2-Way Normally Open, last viewed Nov. 28, 2016.
 Pexco Medical, Multi-Lumen Tubing, www.pexco.com/medical, last viewed Nov. 28, 2016.
 Pneumadyne, Bleed Values, last viewed Oct. 25, 2016.
 Dental Depot, Showerfloss, https://www.dentaldepot.com/product/SHOWER_FLOSS/SHOWERFLO, last viewed Nov. 11, 2016.
 Waterpik Showerpik Water Flosser (WP-480), www.amazon.com, last viewed Mar. 4, 2016.
 Hydraulics & pneumatics, Sorting through pneumatic directional control valves, dated Apr. 1, 1997, last viewed Nov. 28, 2016.
 Standard Push Button Valve Drawing, last viewed Nov. 28, 2016.
 Versa, Series B Valves, Air Valves for Industry Since 1949, Bulletin B-2011, www.versa-valves.com, last viewed Nov. 28, 2016.
 Waterpik® White Ultra Water Flosser WP-100, <https://www.waterpik.com/oral-health/products/dental-water-flosser/WP-100/>, last viewed Nov. 11, 2016.
 Mouthwash & Your Waterpik® Water Flosser, dated Jun. 12, 2015, <https://www.waterpik.com/oral-health/blog/waterpik-mouthwash/>, last viewed Nov. 4, 2016.
 en.Wikipedia.org, Gingivitis, <https://en.wikipedia.org/wiki/Gingivitis>, last viewed Mar. 4, 2016.
 en.Wikipedia.org, Oral irrigator, https://en.wikipedia.org/wiki/Oral_irrigator, last viewed Mar. 4, 2016.
 English Translation FR2277567 Jean Baptiste published Feb. 6, 1976, last viewed Nov. 28, 2016.

(56)

References Cited

OTHER PUBLICATIONS

KleenTeeth DenTrust 3-Sided Toothbrush—Soft, <http://www.kleenteeth.com/dentrust-3-sided-toothbrush-soft/?gclid=CLr8>, last viewed Dec. 19, 2016.

Waterpik type products by OralBreeze, Oral Irrigator and Irrigation Products, <https://web.archive.org/web/20051013072208/http://oralbreeze.com:80/OralBreeze-products.html>, last viewed Dec. 13, 2017.

Kickstarter.com, ToothShower|Complete Oral Care Solution in Your Shower, <https://www.kickstarter.com/projects/toothshower/toothshower-complete-oral-care-solution-for-the-sh>, last viewed Mar. 22, 2018.

International Search Report from PCT Application No. PCT/US2017/067792, dated Apr. 16, 2018.

* cited by examiner

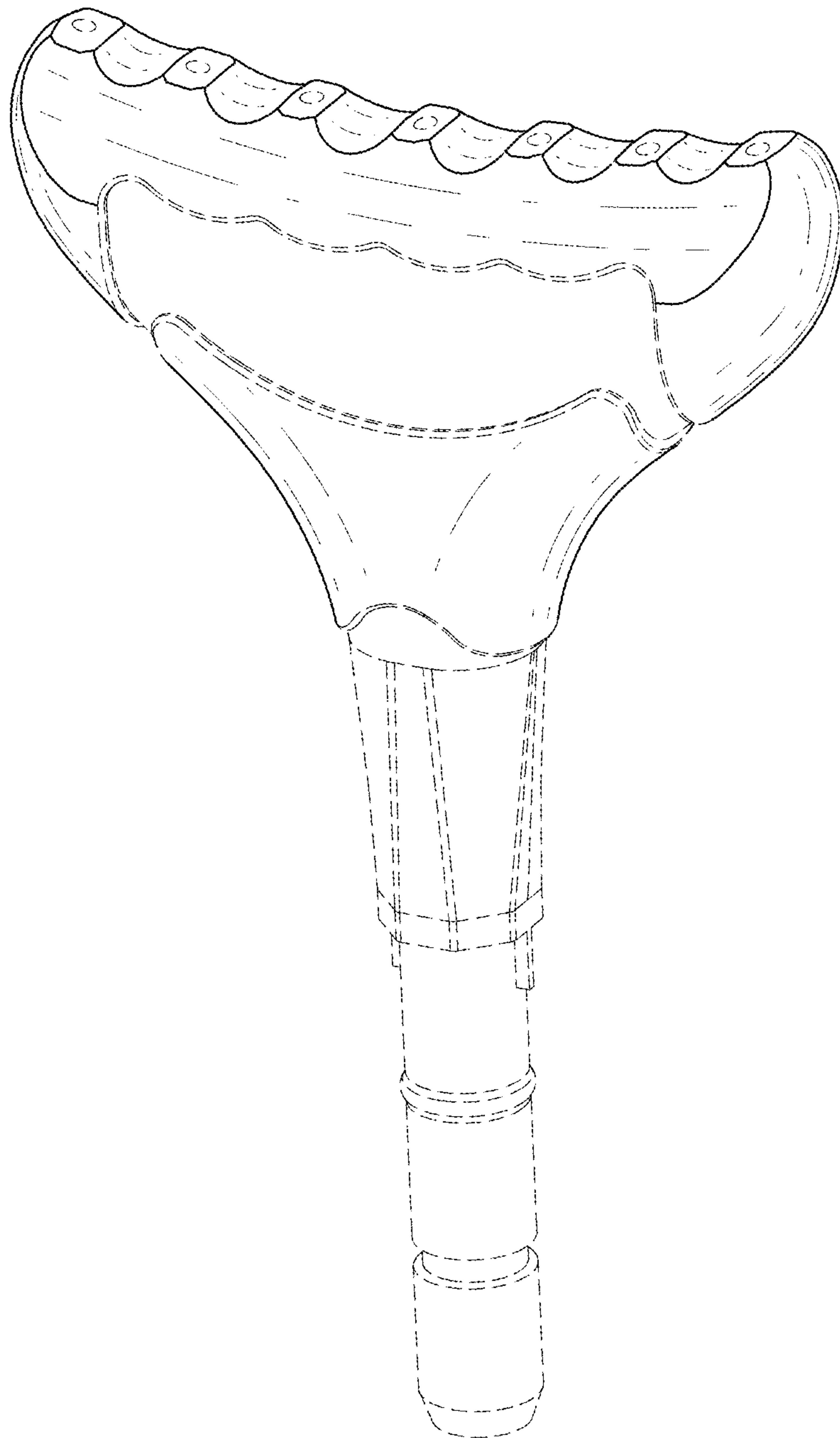


FIG. 1

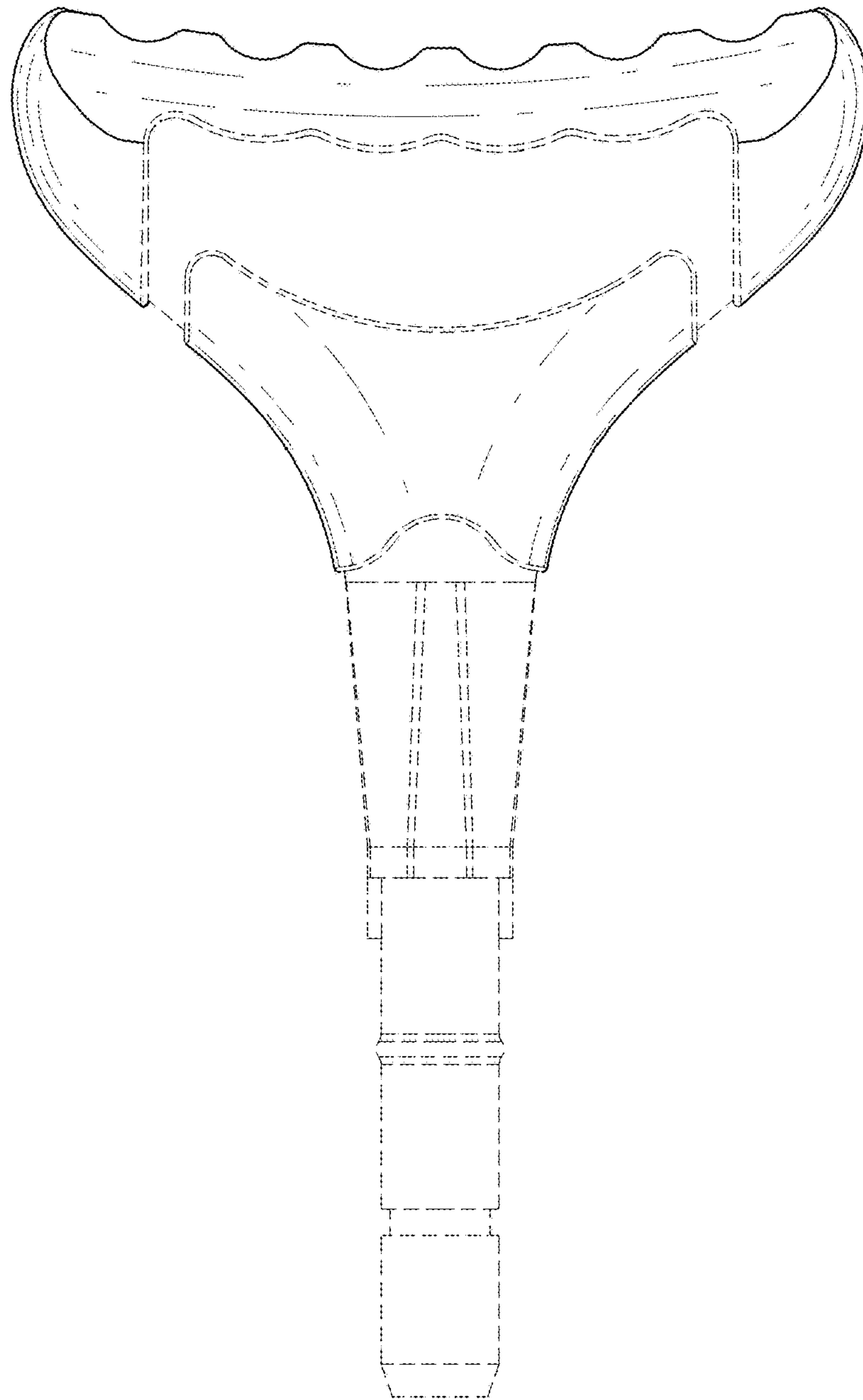


FIG. 2

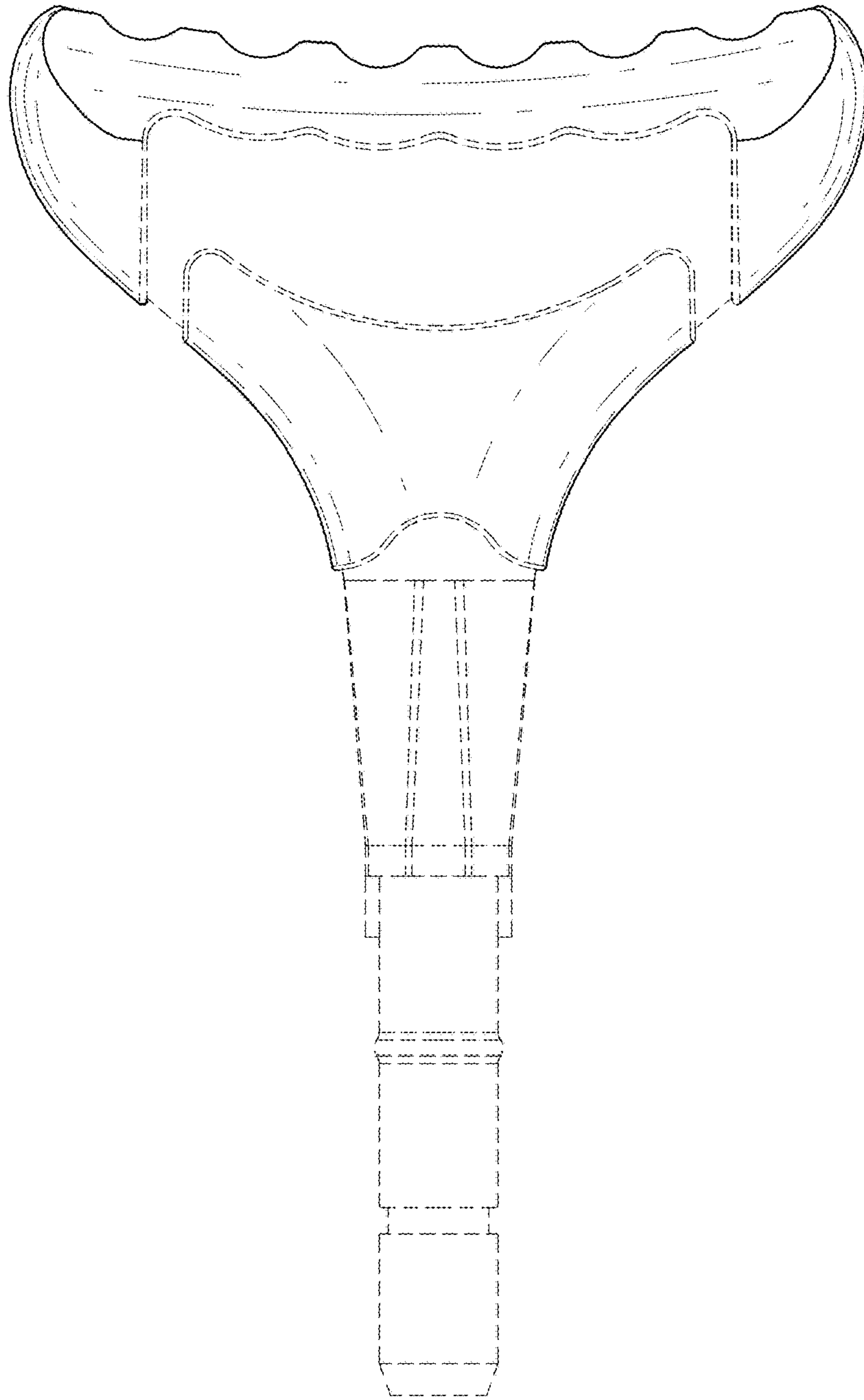


FIG. 3

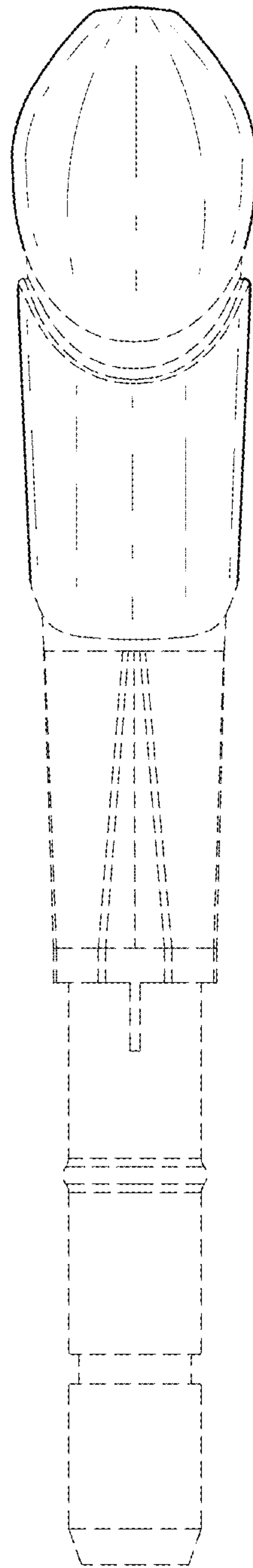


FIG. 4

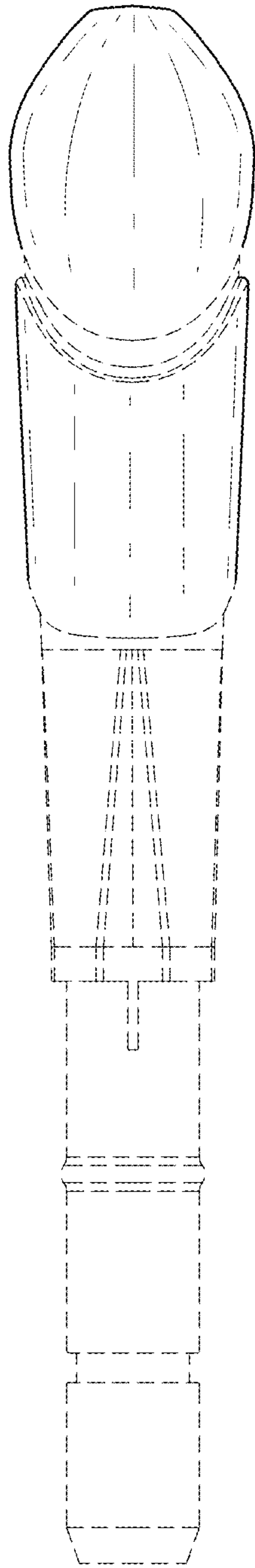


FIG. 5

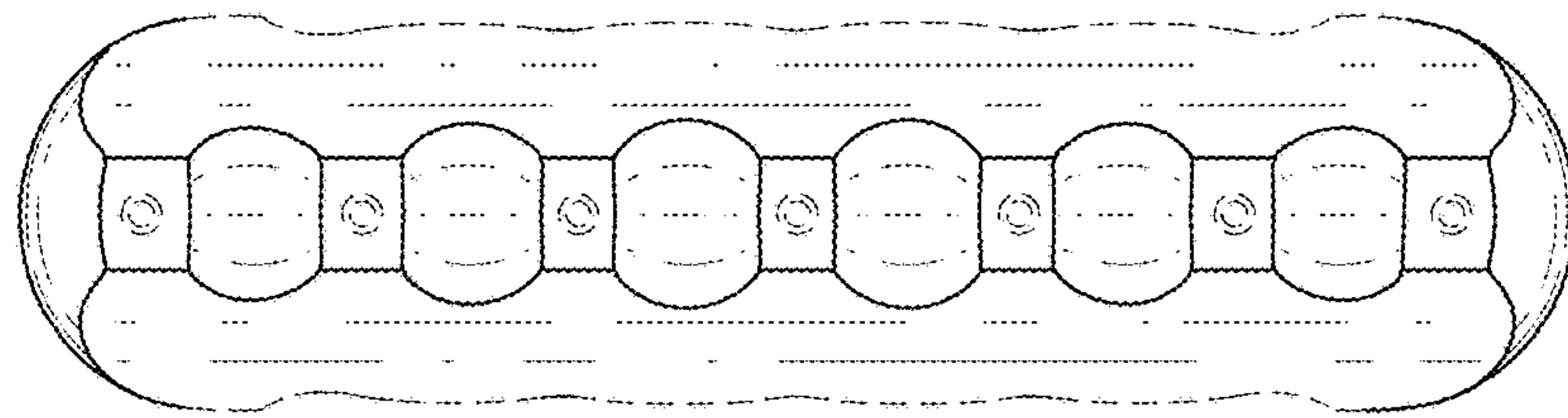


FIG. 6

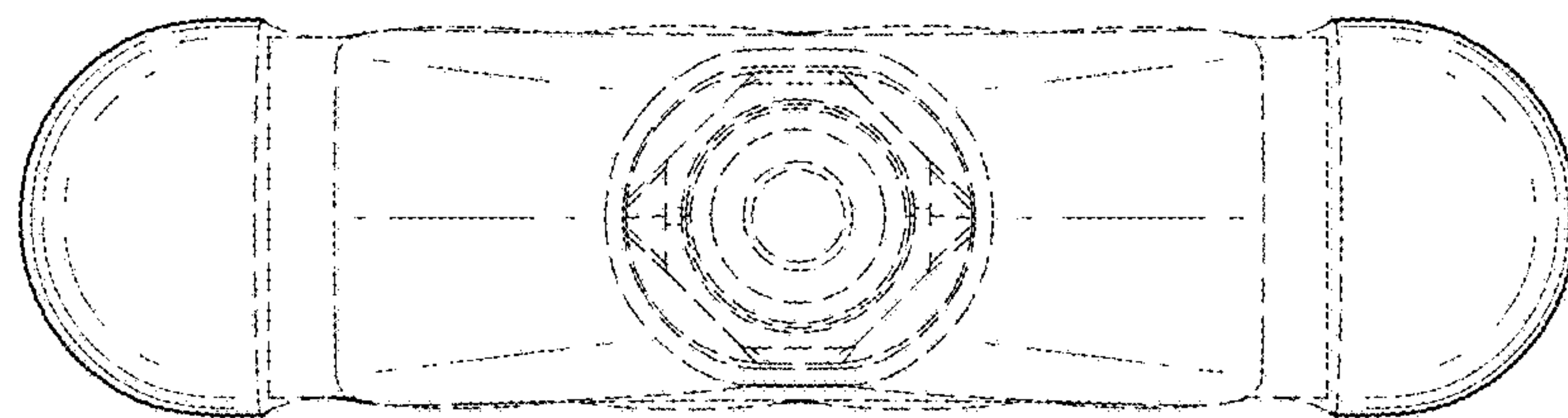


FIG. 7