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(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

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

(Continued)

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OTHER PUBLICATIONS

Youtube (Inventor's Youtube page), "Toothshower", May 22, 2017. [https://www.youtube.com/watch?v=2o2bM68m\\_Zc](https://www.youtube.com/watch?v=2o2bM68m_Zc). Shown at 00:10 second mark. (Year: 2017).\*

(Continued)

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

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

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**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**

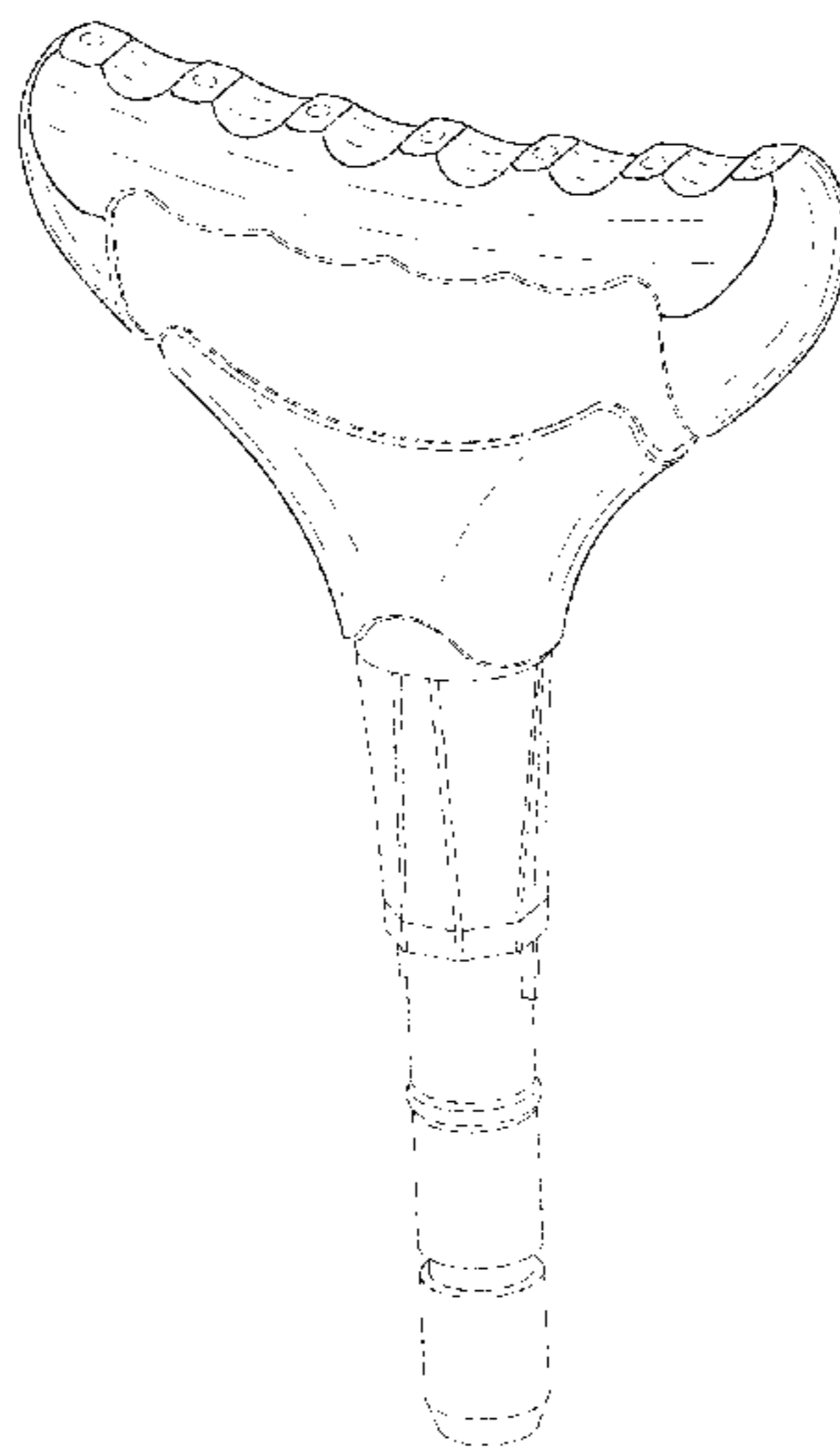
The ornamental design for a gum massager, as shown and described.

**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<br>601/137 |
| 1,868,368 | A   | 7/1932  | Reese            |                       |
| 2,638,527 | A * | 5/1953  | Curtis           | A61F 7/007<br>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](http://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](https://www.dentaldepot.com/product/SHOWER_FLOSS/SHOWERFLO), last viewed Nov. 11, 2016.  
 Waterpik Showerpik Water Flosser (WP-480), [www.amazon.com](http://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](http://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](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

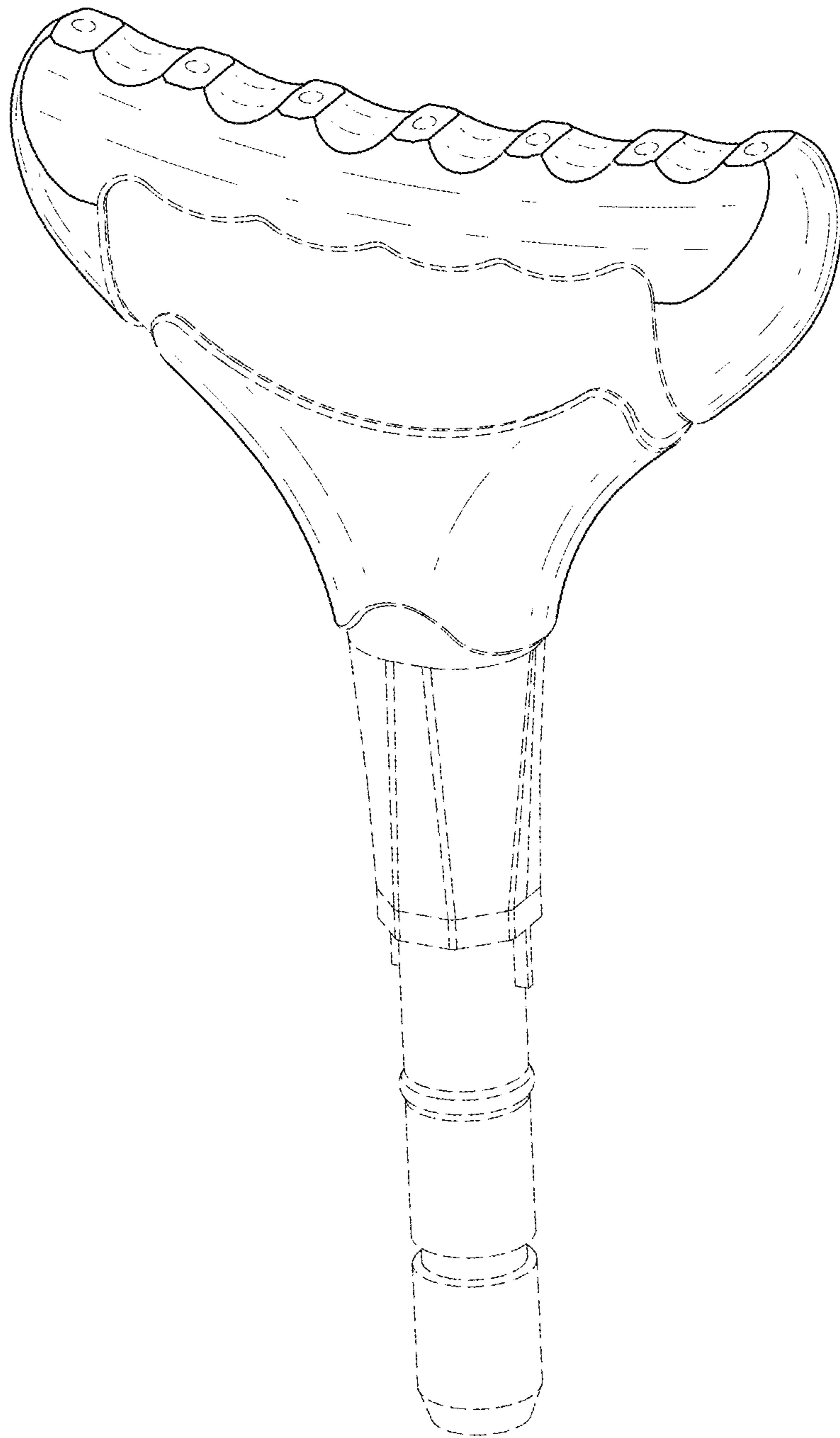
KleenTeeth DenTrust 3-Sided Toothbrush—Soft, <http://www.kleenteeth.com/dentrust-3-sided-toothbrush-soft/?gclid=CLr8>, last viewed Dec. 19, 2016.

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**

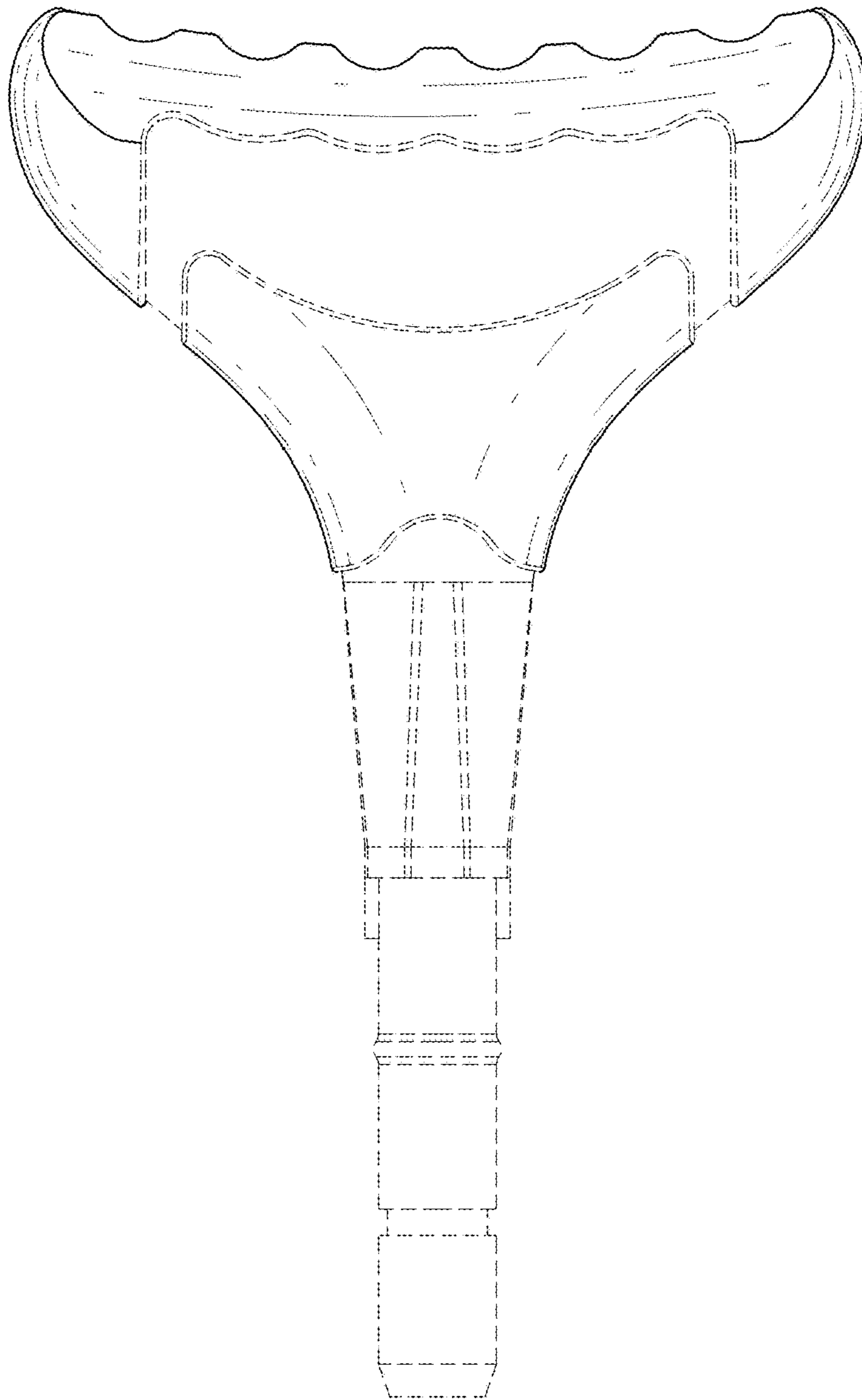


FIG. 2

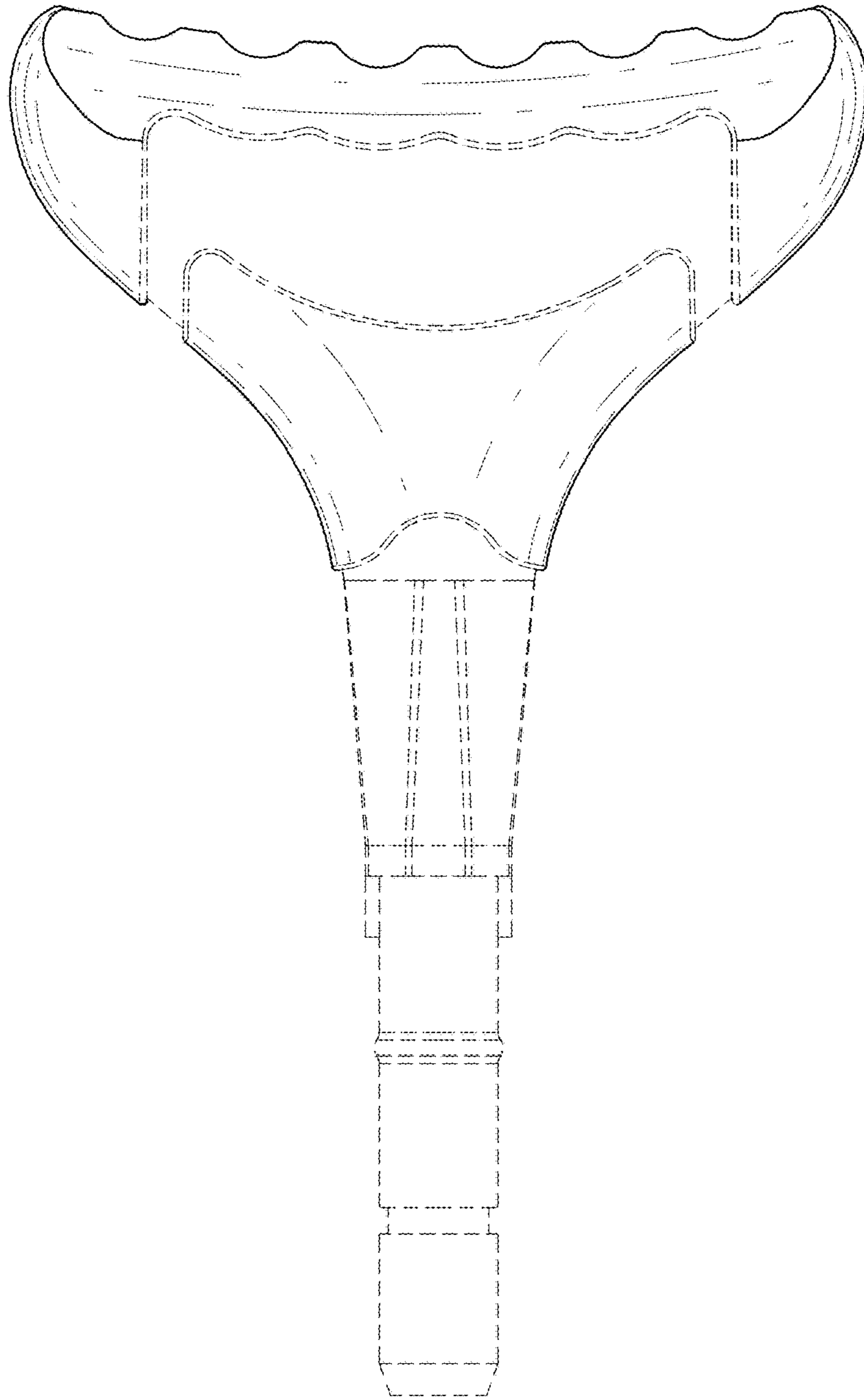
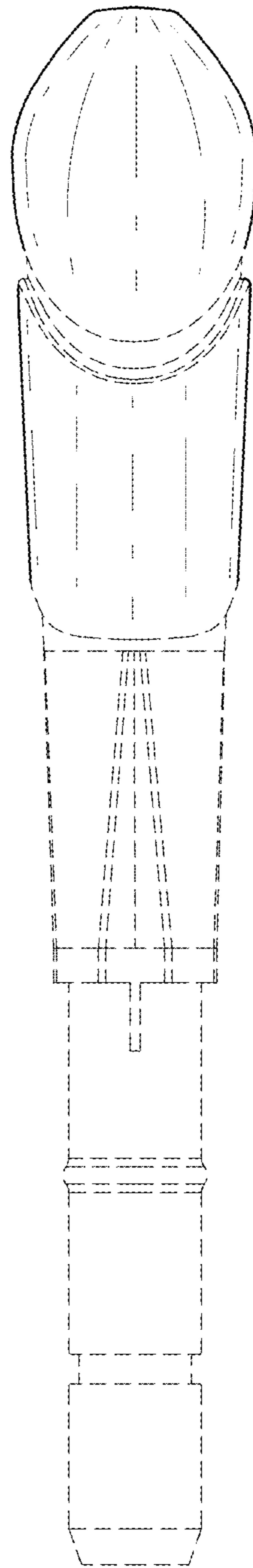
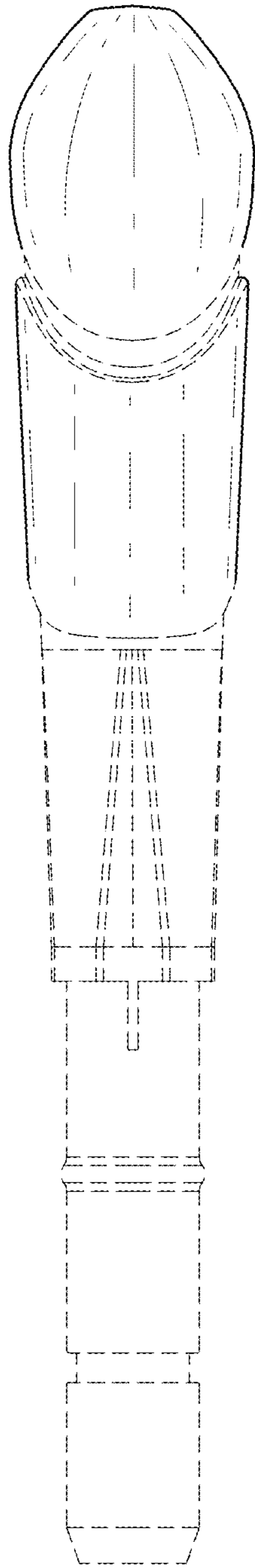


FIG. 3

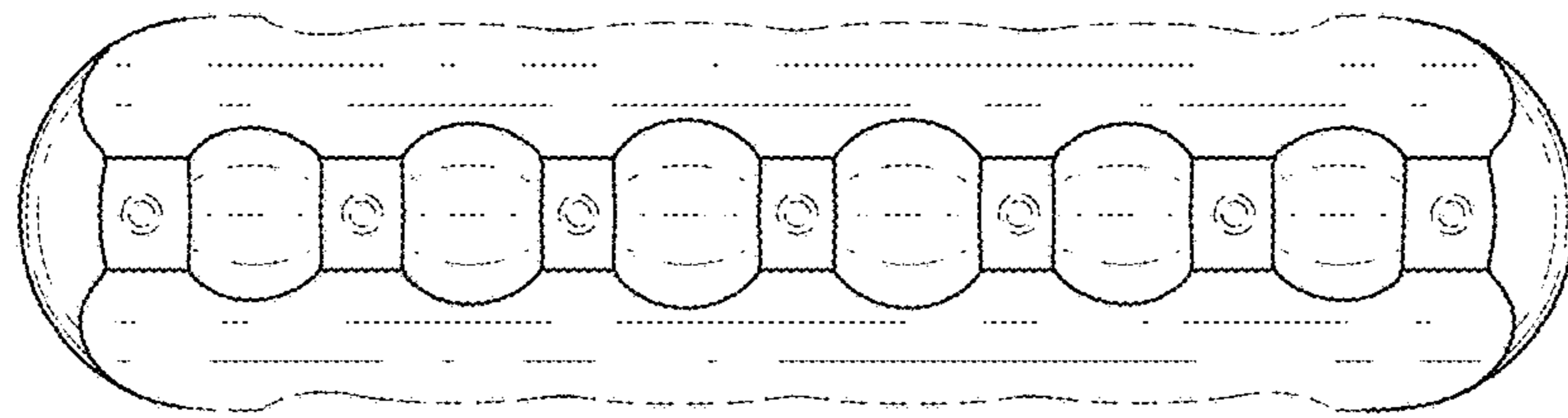


*FIG. 4*

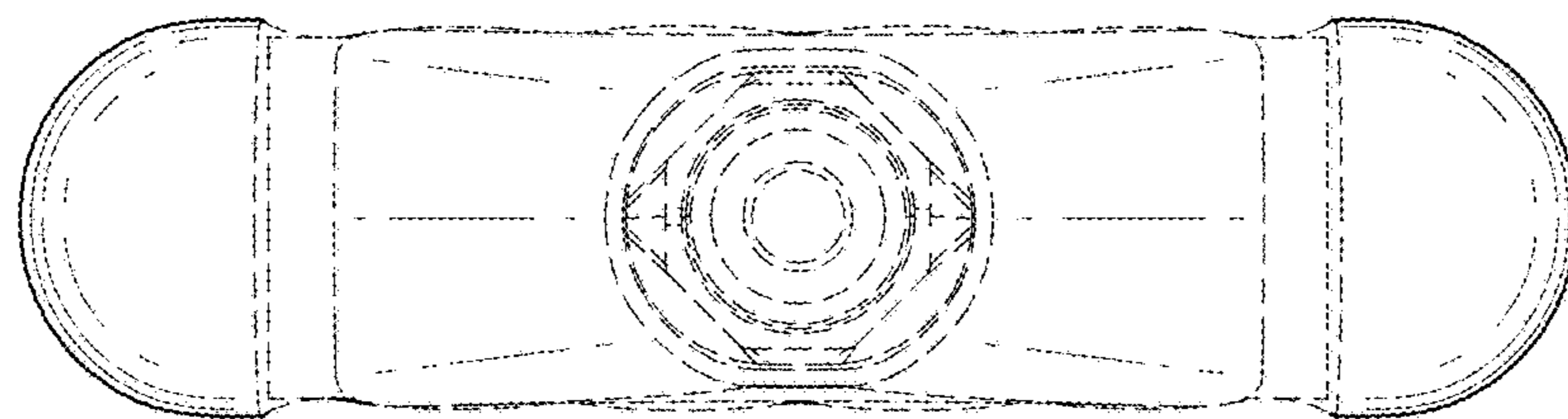


*FIG. 5*





*FIG. 6*



*FIG. 7*