



US00D873995S

(12) **United States Design Patent** (10) **Patent No.:** **US D873,995 S**
Laing et al. (45) **Date of Patent:** **** Jan. 28, 2020**

(54) **UROFLOWMETER**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **ClearTrac Technologies, LLC**,
Elizabethton, TN (US)

CN 2221776 Y 3/1996
CN 105769223 A 7/2016

(Continued)

(72) Inventors: **Brent Laing**, Greenwood Village, CO
(US); **John Green**, Elizabethton, TN
(US); **Paul R. Johnson**, Boulder, CO
(US); **Robert John Smith**, Louisville,
CO (US); **Robert Edwin Schneider**,
Erie, CO (US); **Magnus Hargis**,
Hudson, CO (US); **Elise Geolat Edson**,
Boulder, CO (US); **Elizabeth A.**
O'Brien, Louisville, CO (US)

OTHER PUBLICATIONS

Drive Medical. "Drive Medical Folding Steel Bedside Commode,
Grey." obtained Nov. 12, 2018 from <https://www.amazon.com/Drive-Medical-Folding-Bedside-Commode/dp/B001HP7AQE/ref=sr_1_3?s=industrial&ie=UTF8&qid=1539732631&sr=1-3&keywords=commode>, 8 pages.

(Continued)

(73) Assignee: **CLEARTRAC TECHNOLOGIES,**
LLC, Elizabethton, TN (US)

Primary Examiner — Antoine Duval Davis

(74) *Attorney, Agent, or Firm* — Dorsey & Whitney LLP

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

(21) Appl. No.: **29/649,761**

(57) **CLAIM**

(22) Filed: **Jun. 1, 2018**

The ornamental design for a uroflowmeter, as shown and
described.

(51) **LOC (12) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/122**

(58) **Field of Classification Search**
USPC D10/96, 102; D24/121, 122, 123, 133
CPC A61B 10/007; B01L 3/00; B01L 2300/08
See application file for complete search history.

DESCRIPTION

FIG. 1 shows a front perspective view of a uroflowmeter;
FIG. 2 shows a right elevation view of the uroflowmeter of
FIG. 1;
FIG. 3 shows a left elevation view of the uroflowmeter of
FIG. 1;
FIG. 4 shows a front elevation view of the uroflowmeter of
FIG. 1;
FIG. 5 shows a rear elevation view of the uroflowmeter of
FIG. 1;
FIG. 6 shows a top view of the piece of the uroflowmeter of
FIG. 1; and,
FIG. 7 shows a bottom view of the uroflowmeter of FIG. 1.
The broken lines in FIGS. 1-7 illustrate portions of the
uroflowmeter and form no part of the claimed design.

(56) **References Cited**

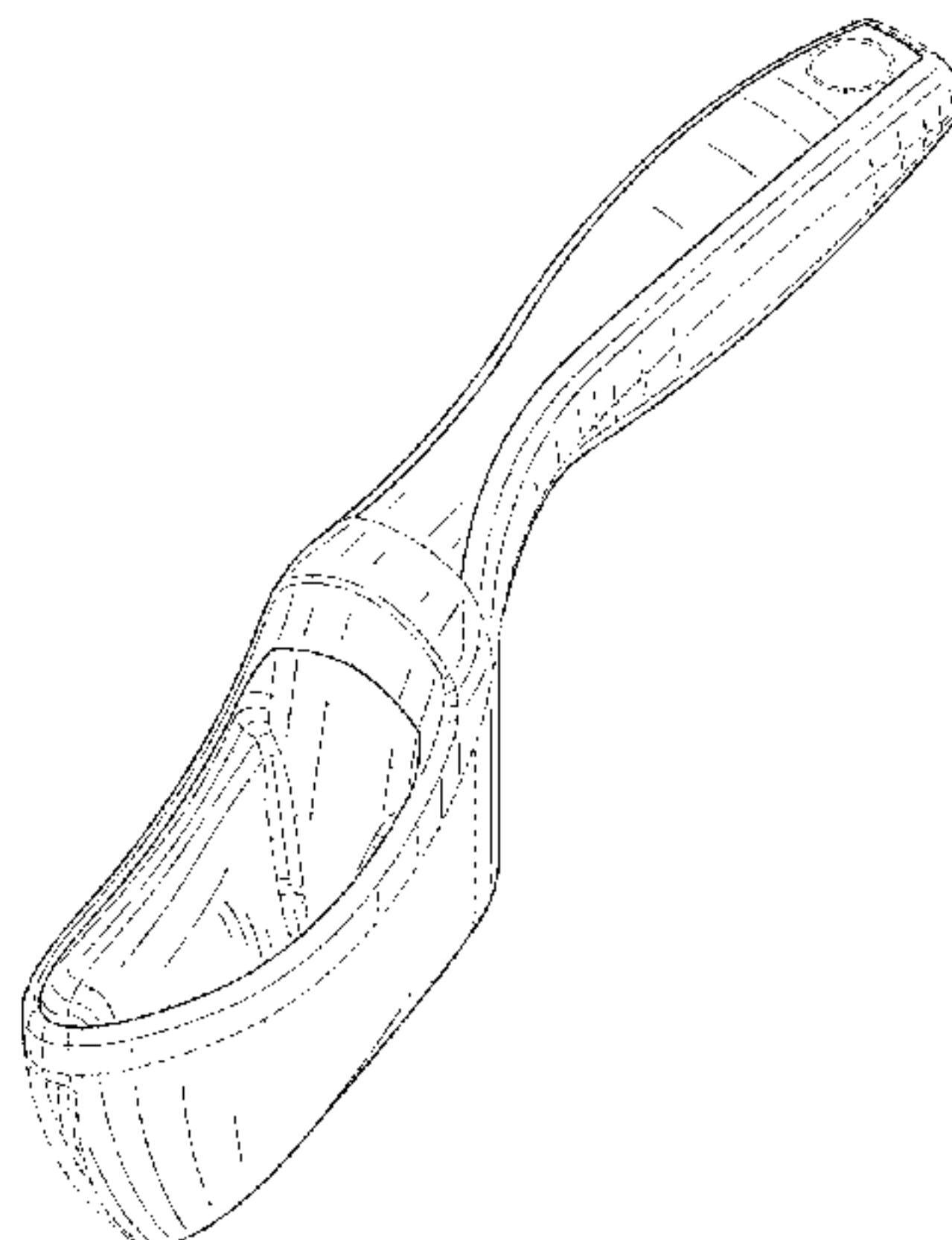
U.S. PATENT DOCUMENTS

2,648,981 A 8/1953 Drake
3,172,130 A * 3/1965 Lange A61B 10/007
220/834

3,859,854 A 1/1975 Dye et al.
3,871,230 A 3/1975 Dye et al.
3,884,072 A 5/1975 Cheng
3,929,412 A 12/1975 Villari
4,051,431 A 9/1977 Wurster
4,085,616 A 4/1978 Patel et al.
4,131,016 A 12/1978 Layton

(Continued)

1 Claim, 5 Drawing Sheets



FOREIGN PATENT DOCUMENTS

CN	106037766	A	10/2016
DE	3007855	A1	9/1981
DE	102014008760	A1	1/2015
EP	2303124	B1	8/2012
EP	2741671	B1	1/2016
EP	2716219	B1	3/2017
EP	2564778	B1	4/2018
JP	3729732	B2	10/2005
KR	20110030826	A	3/2011
RU	2034516	C1	5/1995
RU	2071724	C1	1/1997
RU	2643110	C1	1/2018
WO	2009035599	A1	3/2009
WO	2009142508	A1	11/2009
WO	2014141234	A1	9/2014
WO	2016056571	A1	4/2016
WO	2017036952	A1	3/2017
WO	2017149272	A1	9/2017
WO	2018036664	A1	3/2018
WO	2018051244	A1	3/2018

Specimen Collection Unit. "Specimen Collection Unit, QTY of 1." obtained Nov. 12, 2018 from <<https://www.amazon.com/Specimen-Collection-Unit-QTY-1/dp/B002ZUCVP0#feature-bullets-btf>>, 6 pages.

Bestmedical. "Uroflowmeter: Portable & wireless." obtained Nov 12, 2018 from <<http://www.best-medical.nl/uroflowmeter/>>, 6 pages., Jan. 1, 2016.

MDTI. "Uflow meter Male Urine Peak Flow Device." obtained Nov. 12, 2018 from <<https://www.mdti.co.uk/uflow->>, 2 pages., Jan. 1, 2017.

Albyn Medical Product Detail. "SmartFlow: SmartFlow brings together high specifications and ease-of-use." Obtained Nov. 12, 2018 from <<http://www.albynmedical.com/products/ProductDetail.aspx?ID=8>>, 2 pages., Jan. 1, 2018.

Laborie. "Uroflometry: Uroflowmeters designed for practical, every-day studies, available in a range of configurations to meet different demands." obtained Nov. 12, 2018 from <<https://www.laborie.com/category/urology-urogynecology/uroflowmetry/>>, 6 pages., Jan. 1, 2018.

Minze Health. "Homeflow." obtained Nov. 12, 2018 from <<https://minzehealth.com/products/homeflow/>>, 8 pages., Jan. 1, 2018.

Chun, Kwonsoo et al., Kwonsoo, Chun et al. "Noninvasive Medical Tools For Evaluating Voiding Pattern in Real Life." International Neurology Journal, 2017, S10-16., Jan. 1, 2017.

* cited by examiner

4,238,448	A	12/1980	Layton et al.	
4,343,316	A	8/1982	Jespersen	
4,554,687	A	11/1985	Carter et al.	
4,619,273	A	10/1986	Iosif	
4,832,046	A *	5/1989	Parrish	A61B 10/007 600/549
4,891,993	A	1/1990	Barker	
5,062,304	A	11/1991	Van et al.	
5,176,148	A	1/1993	Wiest et al.	
D340,768	S *	10/1993	Jabour	D10/46.2
5,377,101	A	12/1994	Rollema	
5,422,076	A *	6/1995	Jones	A61B 10/007 206/569
6,651,259	B1 *	11/2003	Hartman	A61B 10/007 4/144.1
D492,995	S *	7/2004	Rue	D24/113
6,904,809	B1	6/2005	Aundal	
6,931,943	B1	8/2005	Aundal	
7,416,542	B2	8/2008	Aundal	
7,606,617	B2	10/2009	Wariar	
7,739,907	B2	6/2010	Boiarski	
7,819,020	B2	10/2010	Jacobi et al.	
7,892,217	B2	2/2011	Boiarski	
8,141,420	B2	3/2012	Hirao	
8,231,552	B2	7/2012	Shahar et al.	
8,424,376	B2	4/2013	Boiarski	
8,500,705	B2	8/2013	Kim	
8,544,341	B2	10/2013	Grumbles et al.	
8,813,551	B2	8/2014	Boiarski	
9,021,878	B2	5/2015	Grinstein et al.	
9,642,737	B2	5/2017	Seres et al.	
9,775,556	B2	10/2017	Dimino et al.	
10,034,659	B2 *	7/2018	Siller Gonzalez ...	A61B 10/007
2005/0261605	A1	11/2005	Shemer et al.	
2008/0312556	A1	12/2008	Dijkman	
2008/0312557	A1	12/2008	Cho et al.	
2011/0000309	A1	1/2011	Griffiths et al.	
2012/0109008	A1	5/2012	Charlez et al.	
2016/0029942	A1	2/2016	Paulsen et al.	
2016/0051176	A1	2/2016	Ramos et al.	
2017/0020433	A1	1/2017	Hotaling et al.	
2017/0086728	A1	3/2017	Hidas	
2017/0105670	A1	4/2017	Holt et al.	
2017/0135622	A1	5/2017	Shimokawa et al.	
2017/0307423	A1	10/2017	Pahwa et al.	
2018/0085008	A1	3/2018	Hall et al.	

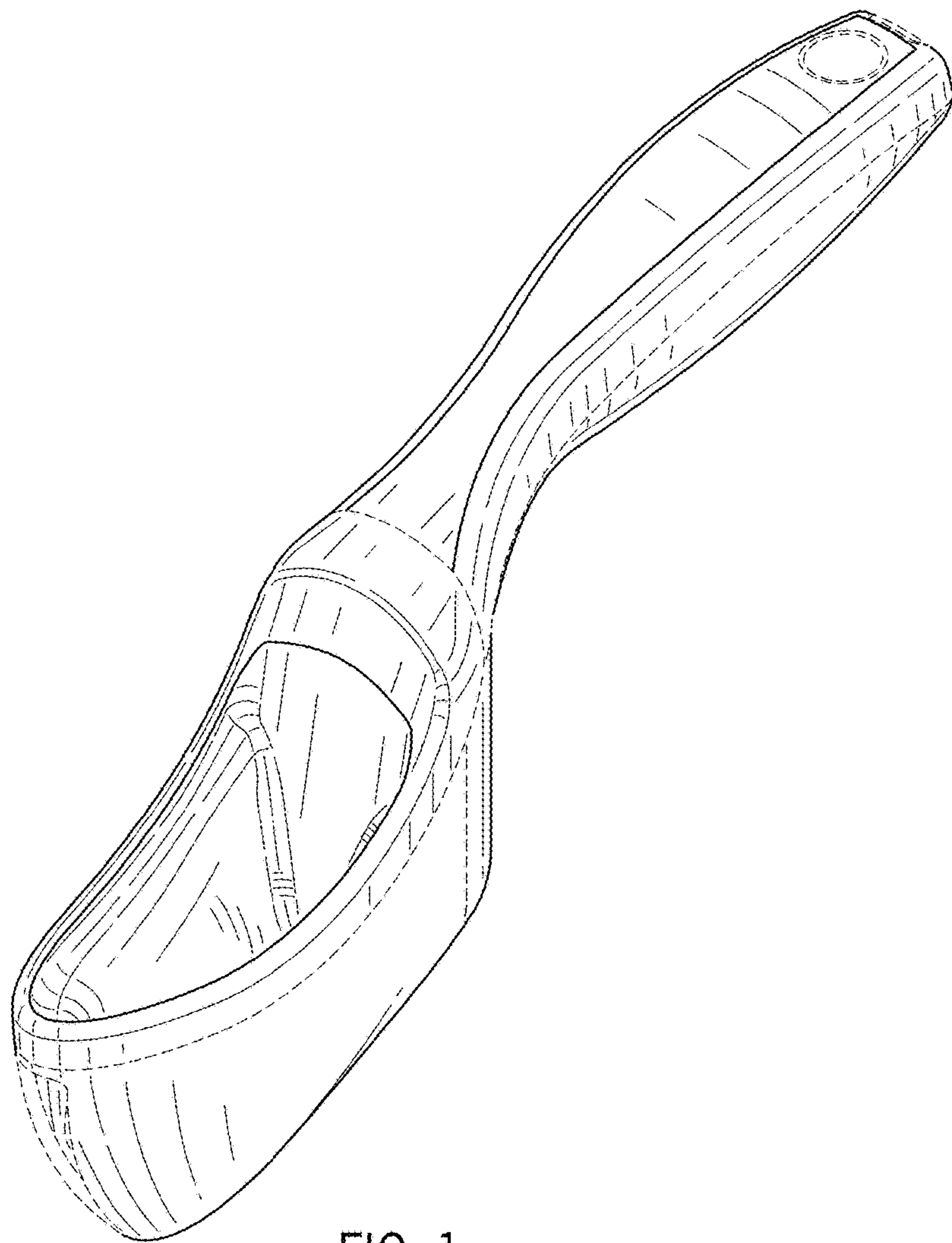


FIG. 1

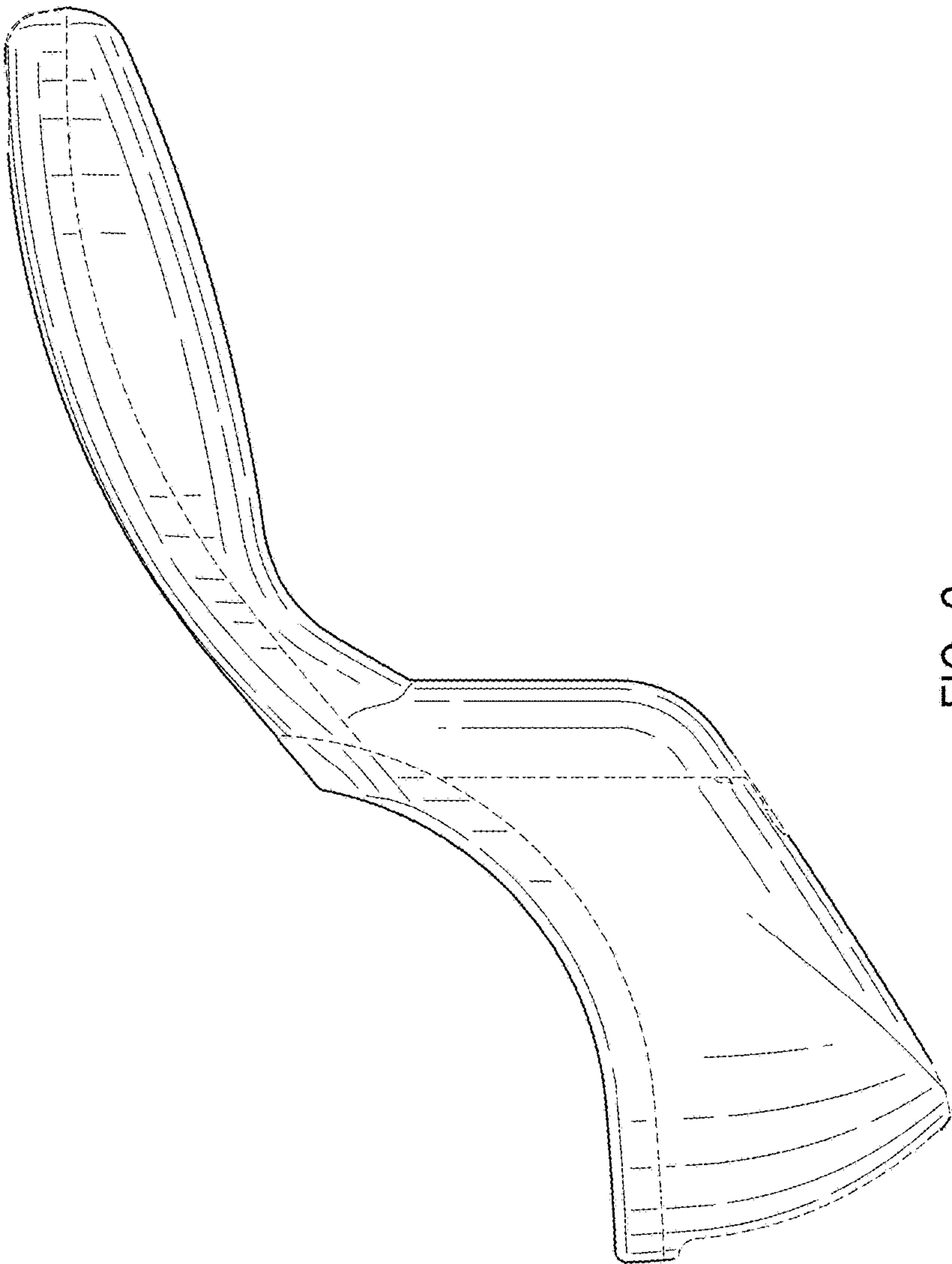


FIG. 2

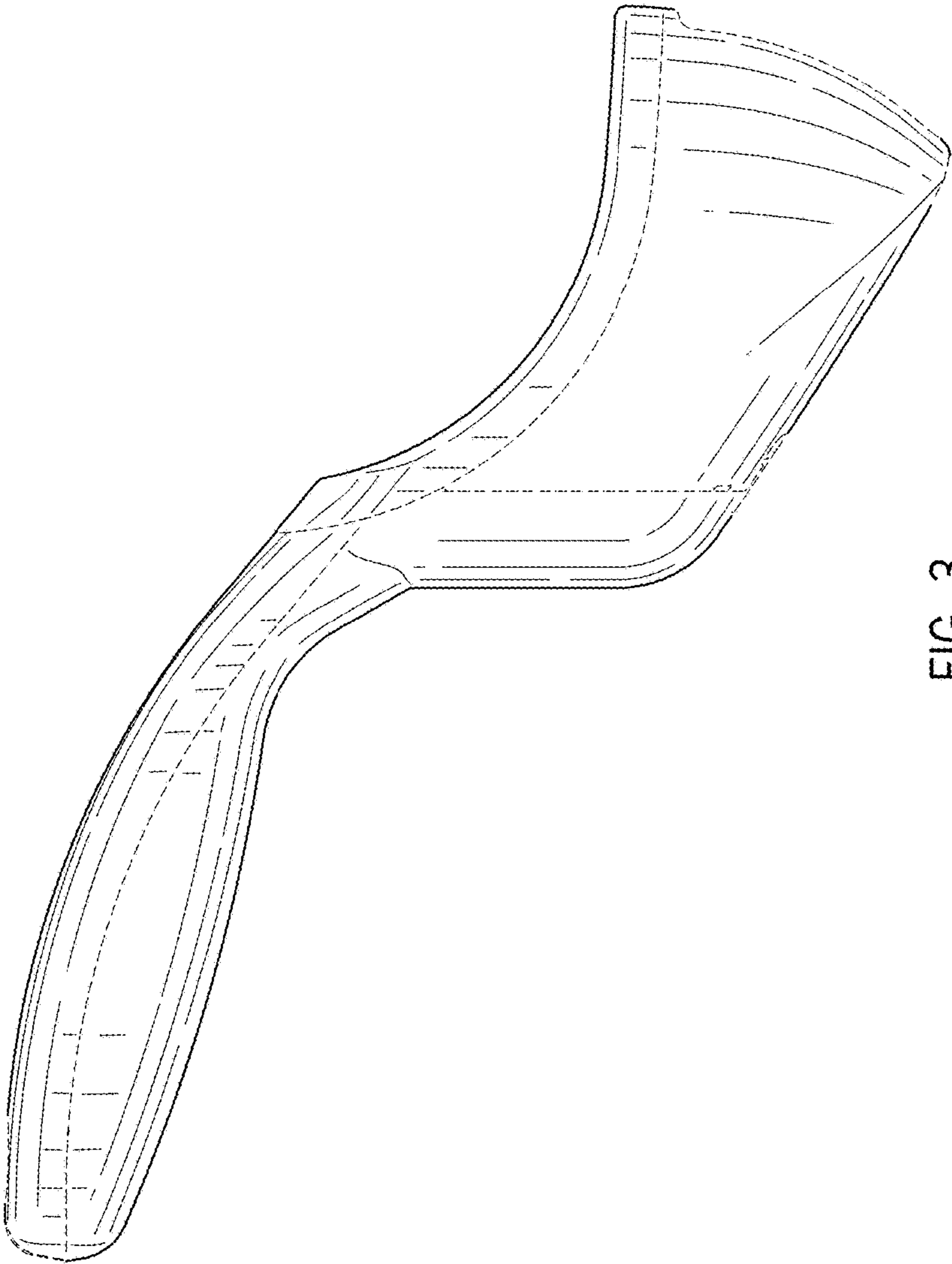


FIG. 3

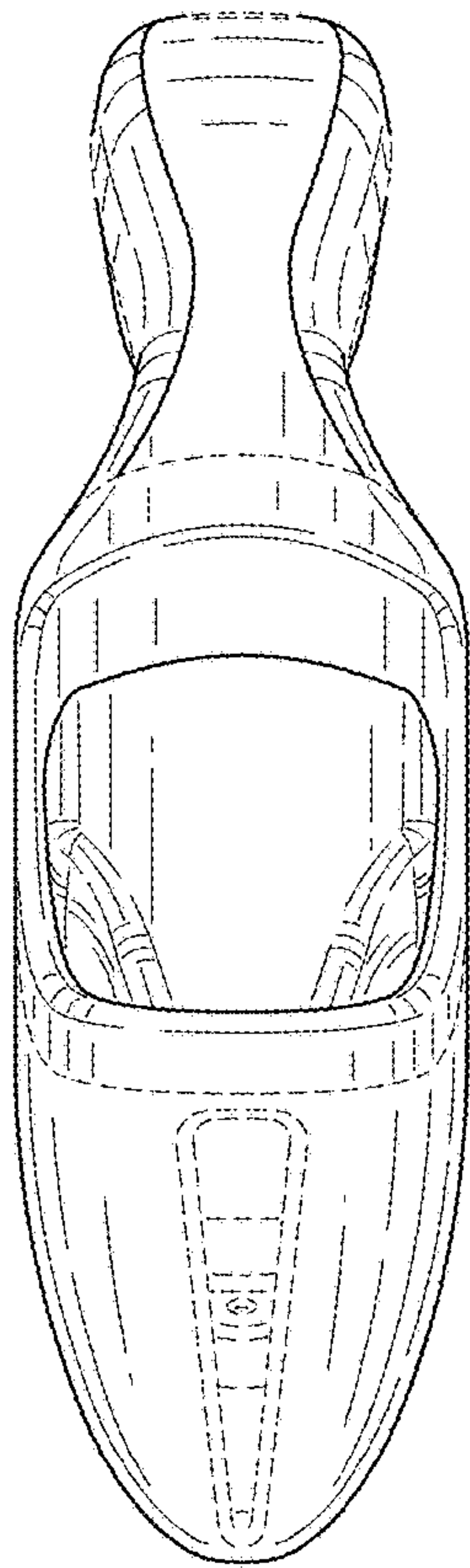


FIG. 4

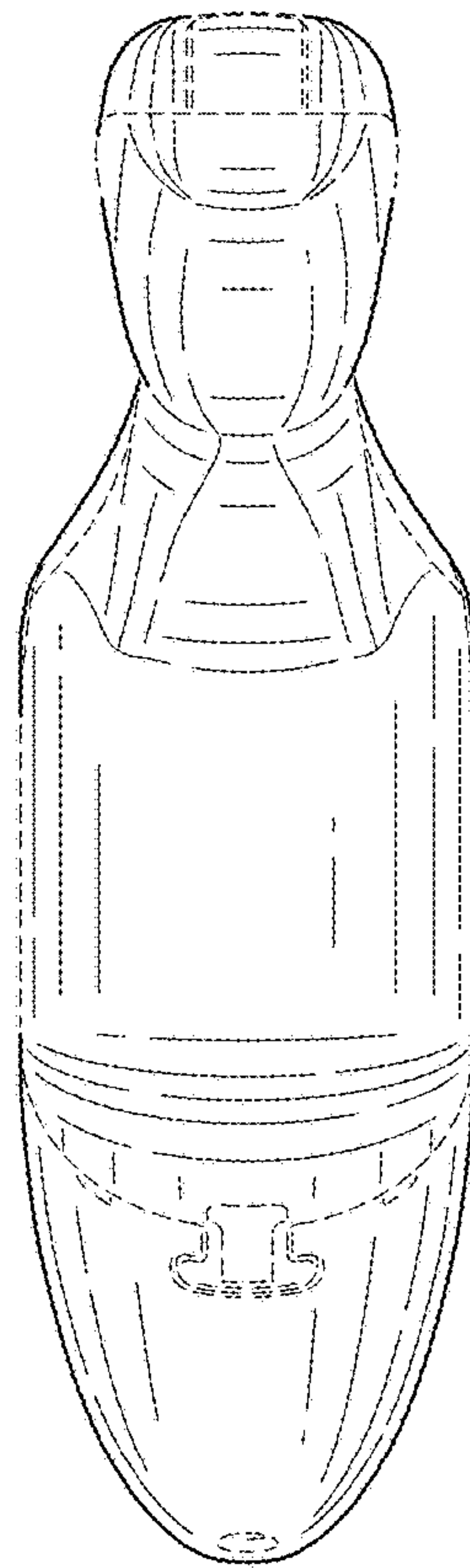


FIG. 5

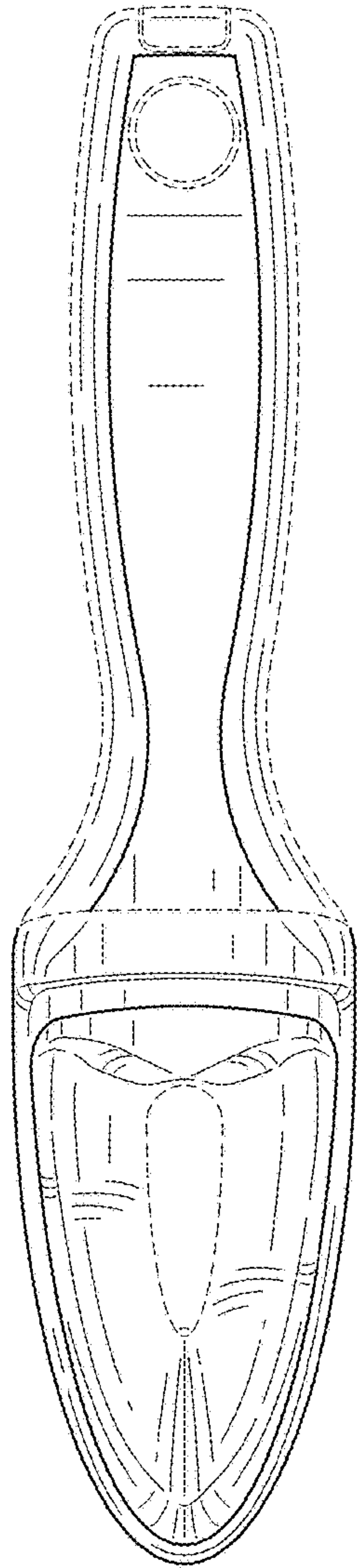


FIG. 6

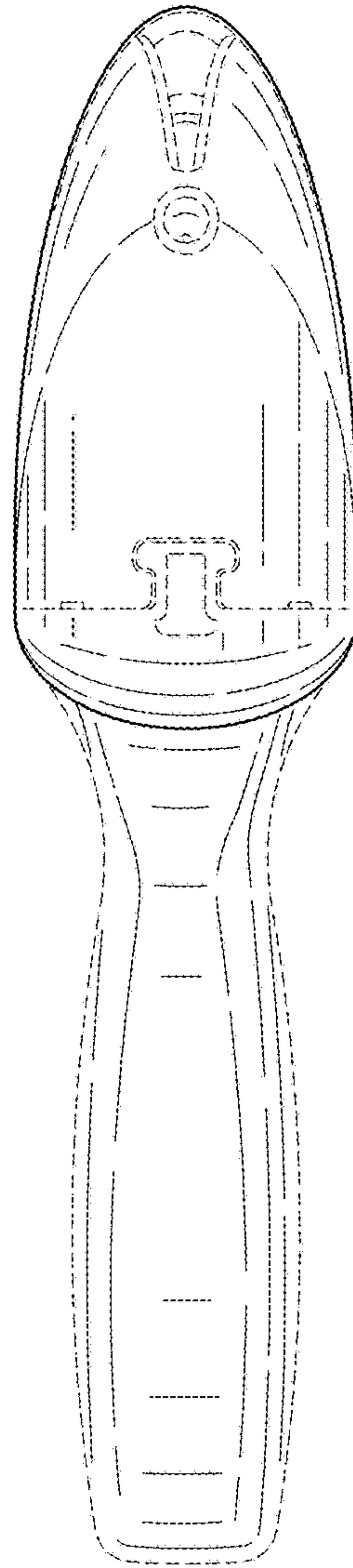


FIG. 7