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(12) United States Design Patent

Evans et al.

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(54) **SWIM PULLING DEVICE**

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(73) Assignee: **SPORTS ENGINEERING GROUP, LLC**, Longmont, CO (US)

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

(21) Appl. No.: **29/581,522**

(22) Filed: **Oct. 19, 2016**

(51) **LOC (12) Cl.** **21-02**

(52) **U.S. Cl.**
USPC **D21/803**

(58) **Field of Classification Search**
USPC D21/542, 544, 547, 646, 760, 761, 762, D21/764, 769, 770, 771, 778, 792, 801, D21/803, 804, 805, 806, 807, 808, 810; D12/301, 302, 303, 306, 310, 311, 312, D12/313, 314, 316
CPC A41D 13/0518; A63B 2208/03; A63B 2225/605; A63B 31/00; A63B 31/10; A63B 69/14; A63B 31/11; B63B 21/66; B63C 11/02
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

183,045	A	10/1876	Dunlop	
950,633	A	3/1910	Eastman	
1,971,844	A	8/1934	Jackson	
3,417,415	A	12/1968	John	
D217,644	S *	5/1970	Smith	D21/810
RE28,855	E	6/1976	Montrella	
D261,916	S *	11/1981	Knox	D21/778

(Continued)

OTHER PUBLICATIONS

"Speedo All Age Elite Pullkick Swim Training Aid" [online]. Speedo. [Listed on Sep. 13, 2011]. Retrieved from the Internet: < https://www.amazon.com/Speedo-Elite-Pullkick-Training-Black/dp/B005MTII4E>.*

(Continued)

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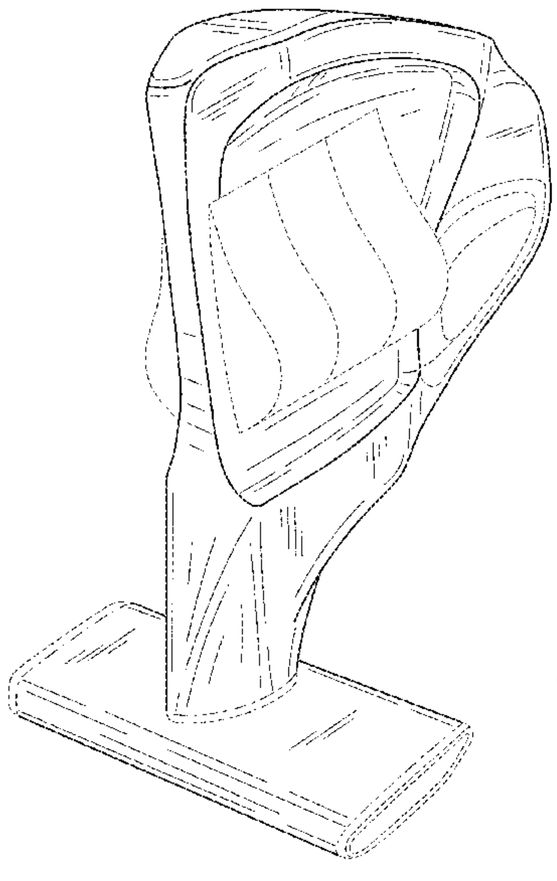
(57) **CLAIM**

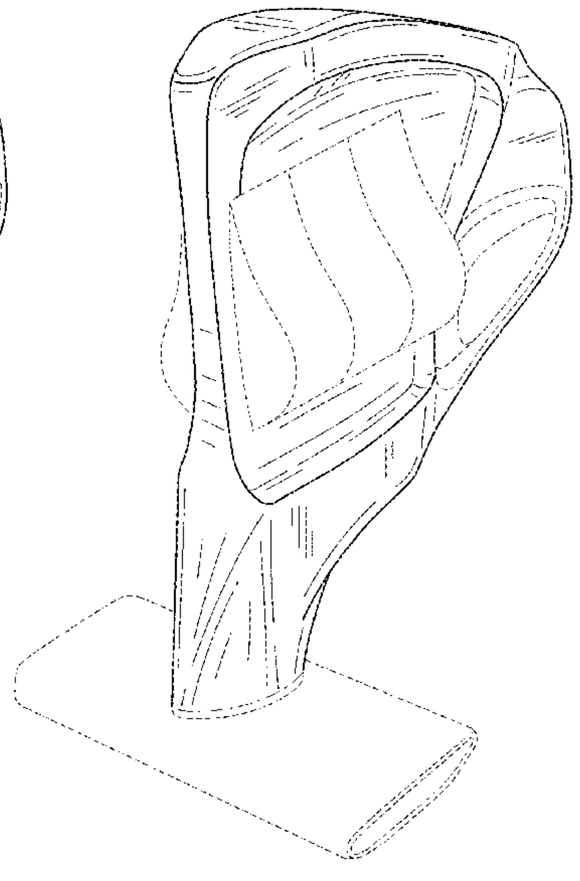
We claim the ornamental design for a swim pulling device, as shown and described.

DESCRIPTION

FIG. **1** is a top front isometric view of a swim pulling device in accordance with a first embodiment of the present design.
FIG. **2** is a front elevation view thereof.
FIG. **3** is a rear elevation view thereof.
FIG. **4** is a left side elevation view thereof.
FIG. **5** is a right side elevation view thereof.
FIG. **6** is a top plan view thereof.
FIG. **7** is a bottom plan view thereof.
FIG. **8** is a top front isometric view of a swim pulling device in accordance with a second embodiment of the present design.
FIG. **9** is a front elevation view thereof.
FIG. **10** is a rear elevation view thereof.
FIG. **11** is a left side elevation view thereof.
FIG. **12** is a right side elevation view thereof.
FIG. **13** is a top plan view thereof; and,
FIG. **14** is a bottom plan view thereof.
The dash-dash broken lines illustrate features of the swim pulling device that form no part of the claimed design. The dash-dot-dash broken lines represent unclaimed boundaries of the design.

1 Claim, 10 Drawing Sheets





(56) **References Cited**

U.S. PATENT DOCUMENTS

D262,477	S		12/1981	Lewis	
4,316,300	A		2/1982	Lewis	
4,379,704	A	*	4/1983	Rademacher	A63B 69/14 441/88
4,580,988	A	*	4/1986	Correll	A47C 15/006 114/123
4,721,300	A		1/1988	Guzman	
4,913,418	A		4/1990	Schlueter et al.	
5,147,233	A		9/1992	Hannula	
5,288,254	A		2/1994	Elson	
D345,668	S	*	4/1994	Braly	D6/596
5,304,080	A		4/1994	Dilger	
5,376,036	A		12/1994	Hull	
D363,754	S		10/1995	Johnson	
5,634,834	A		6/1997	Cole et al.	
5,643,027	A		7/1997	Evans et al.	
5,810,630	A		9/1998	Saghri	
D408,677	S	*	4/1999	Parnham	D6/601
D528,166	S	*	9/2006	Wright	D21/769
7,798,876	B2		9/2010	Mix	
D680,182	S	*	4/2013	Holliday	D21/778
D737,392	S	*	8/2015	Thomas	D21/778
9,308,418	B2		4/2016	Davis et al.	
D763,387	S	*	8/2016	Pierce	D21/778
D831,754	S	*	10/2018	Ladislao	D21/542
D832,384	S	*	10/2018	Frank	D21/803
2014/0141667	A1		5/2014	Dilorenzo et al.	
2016/0107731	A1		4/2016	Chen	
2016/0175655	A1	*	6/2016	Kacar	A63B 69/14 441/129
2018/0133554	A1	*	5/2018	Evans	A63B 31/10
2018/0133574	A1	*	5/2018	Evans	A63B 69/14

OTHER PUBLICATIONS

"Arena Pullkick Pro Swim Kickboard" [online]. Arena. [Retrieved on Sep. 20, 2019]. Retrieved from the Internet: <https://www.amazon.com/arena-Black-Pullkick-Swim-Kickboard/dp/B01J4N3O2O>.*

U.S. Appl. No. 15/788,413, filed Oct. 19, 2017.

U.S. Appl. No. 15/788,422, filed Oct. 19, 2017.

Author Unknown, "Strokemakers" Speedshop Int'l, Inc., Feb. 2, 1996, 2 pages.

Author Unknown, "CatalystTM Advertisement", TYR Sport, Huntington Beach, CA 92649, Jan. 1996, 3 pages.

Cappaert, et al., "Three-Dimensional Analysis of the Men's 100-m Freestyle During the 1992 Olympic Games", Journal of Applied Biomechanics; Human Kinetics Publishers, Inc., vol. 11, No. 1, Feb. 1995, pp. 103-112.

Donaldson, "A Sailor's Guide to Sails", Dodd, Mead & Company, 79 Madison Avenue, New York, NY 10016, 1984, pp. 4-7 and 36-41.

Hannula, "Effective Paddle Training", Source Unknown, May 1992, 5 pages.

Hannula, "Han's Paddles Brochure", Tacoma, WA, Feb. 2, 1996, 2 pages.

Hull, "Fulcrum High Speed Pull Paddles", Zoomers, Woodside CA, 1990, 3 pages.

Schleihauf, et al., "Propulsive Techniques: Front Crawl Stroke, Butterfly, Backstroke, and Breaststroke", Swimming Science V, International Series of Sport Sciences, vol. 18, 1988, pp. 53-59.

Smith, "The Illustrated Guide to Aerodynamics", Tab Books Inc., Blue Ridge Summit, PA, 1985, pp. 10-29 and 44-45.

* cited by examiner

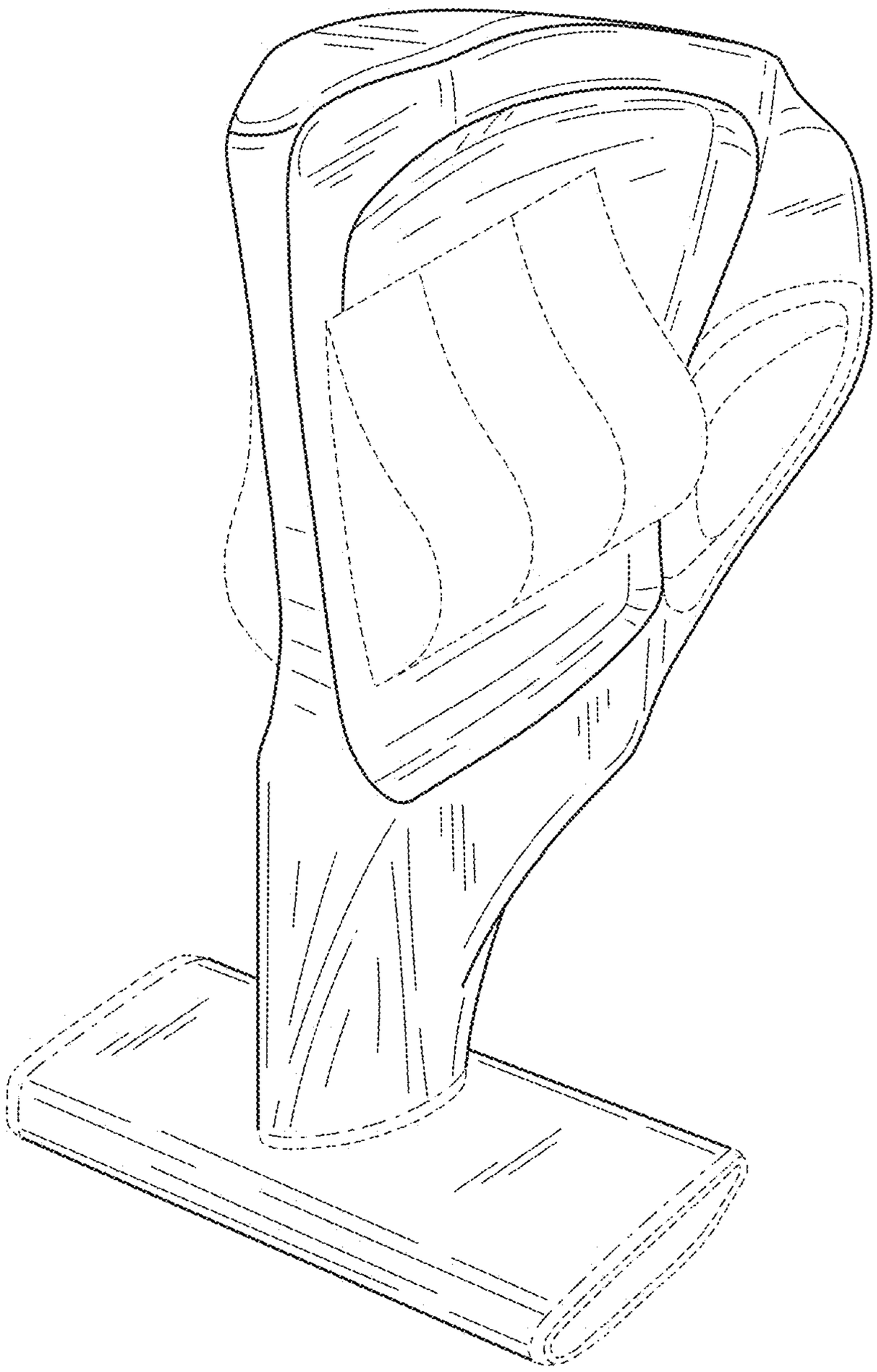


FIG. 1

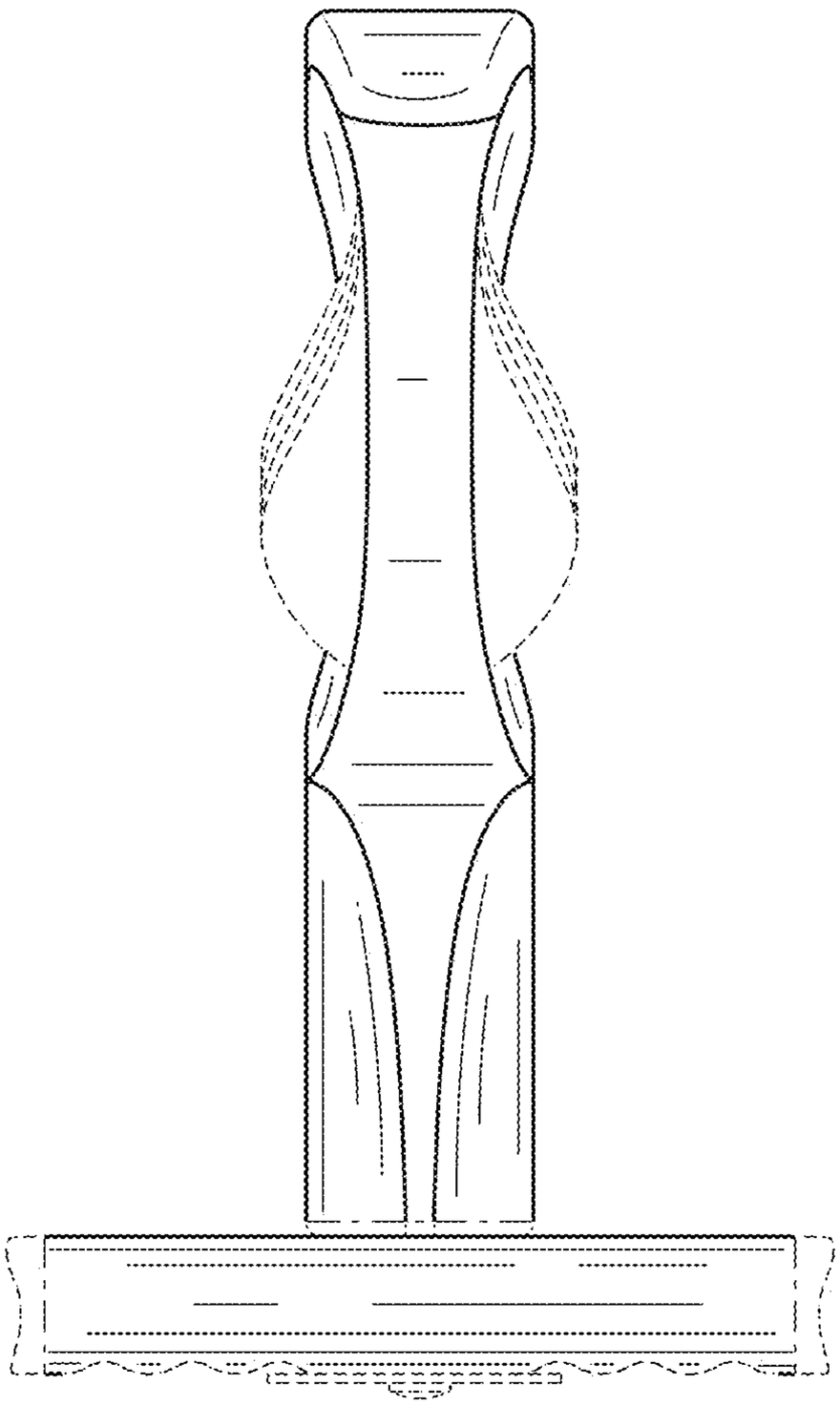
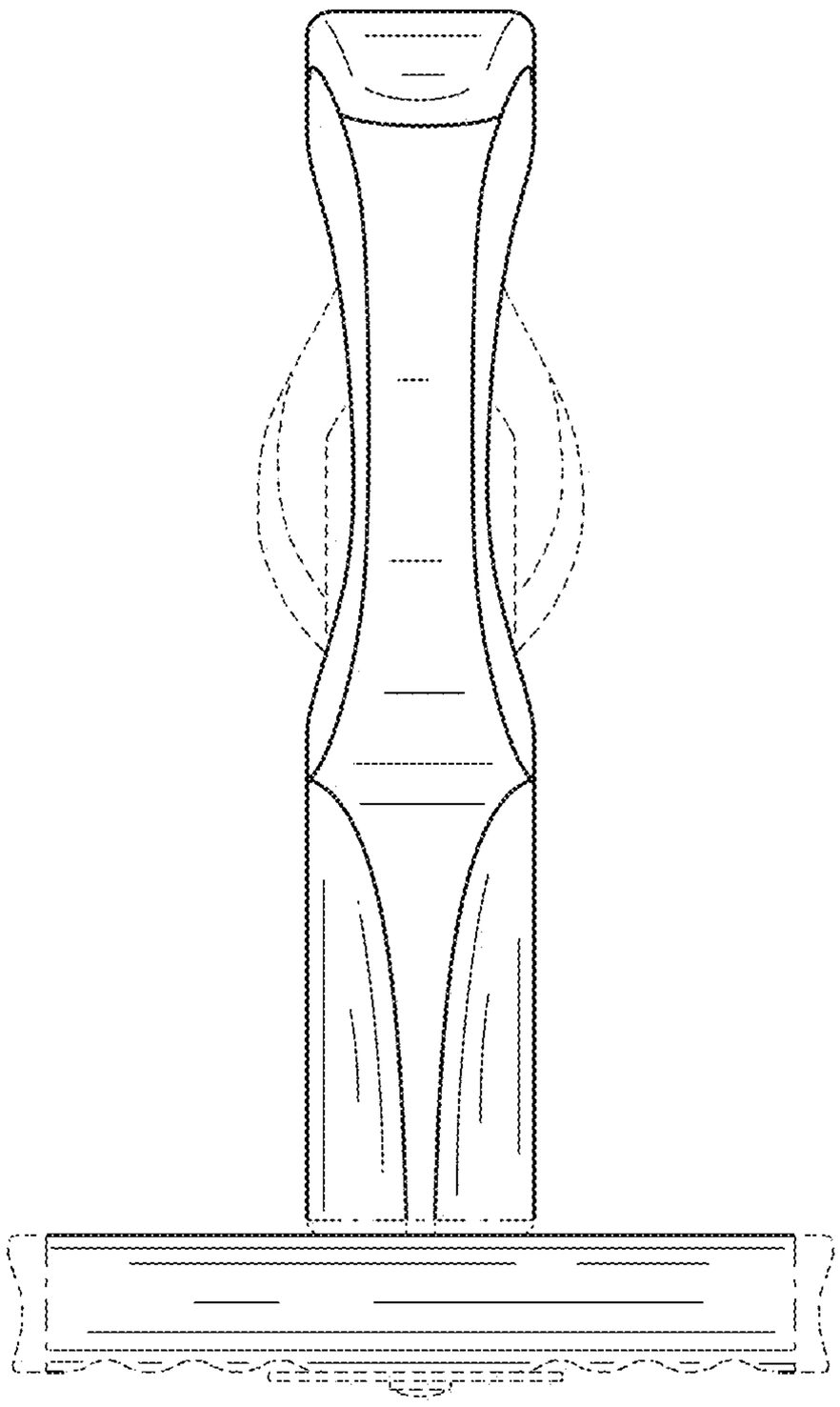


FIG. 2



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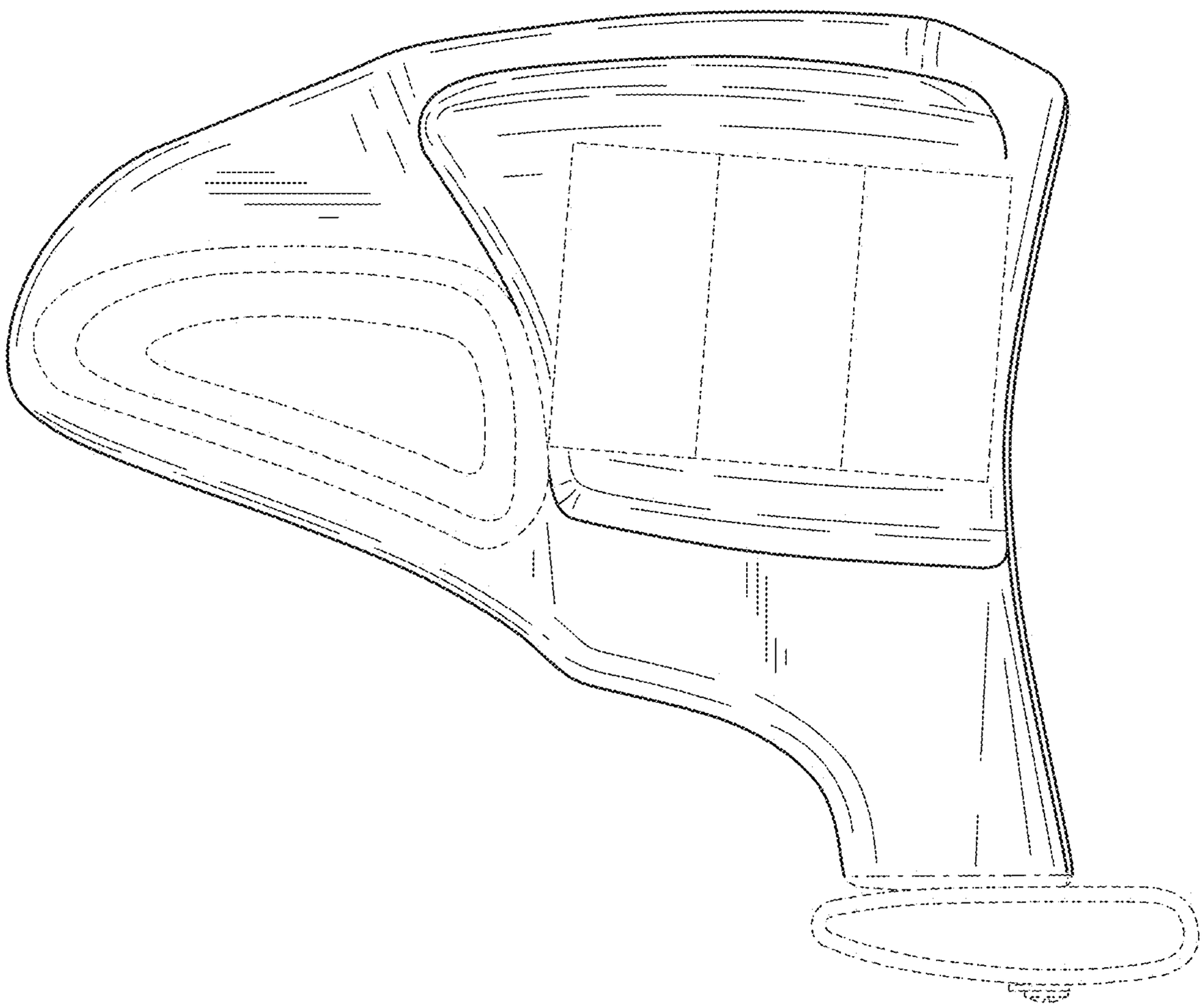

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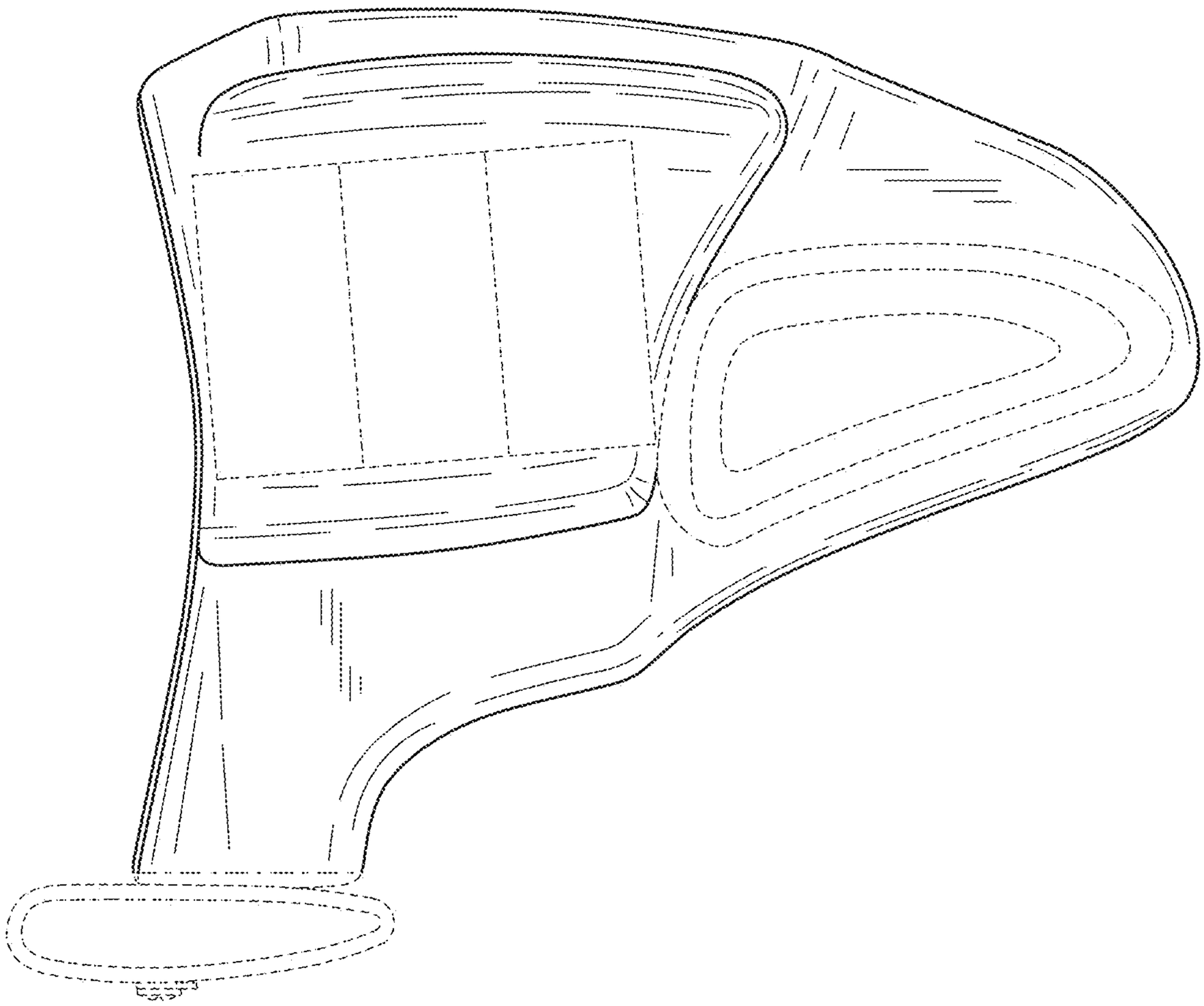


FIG. 5

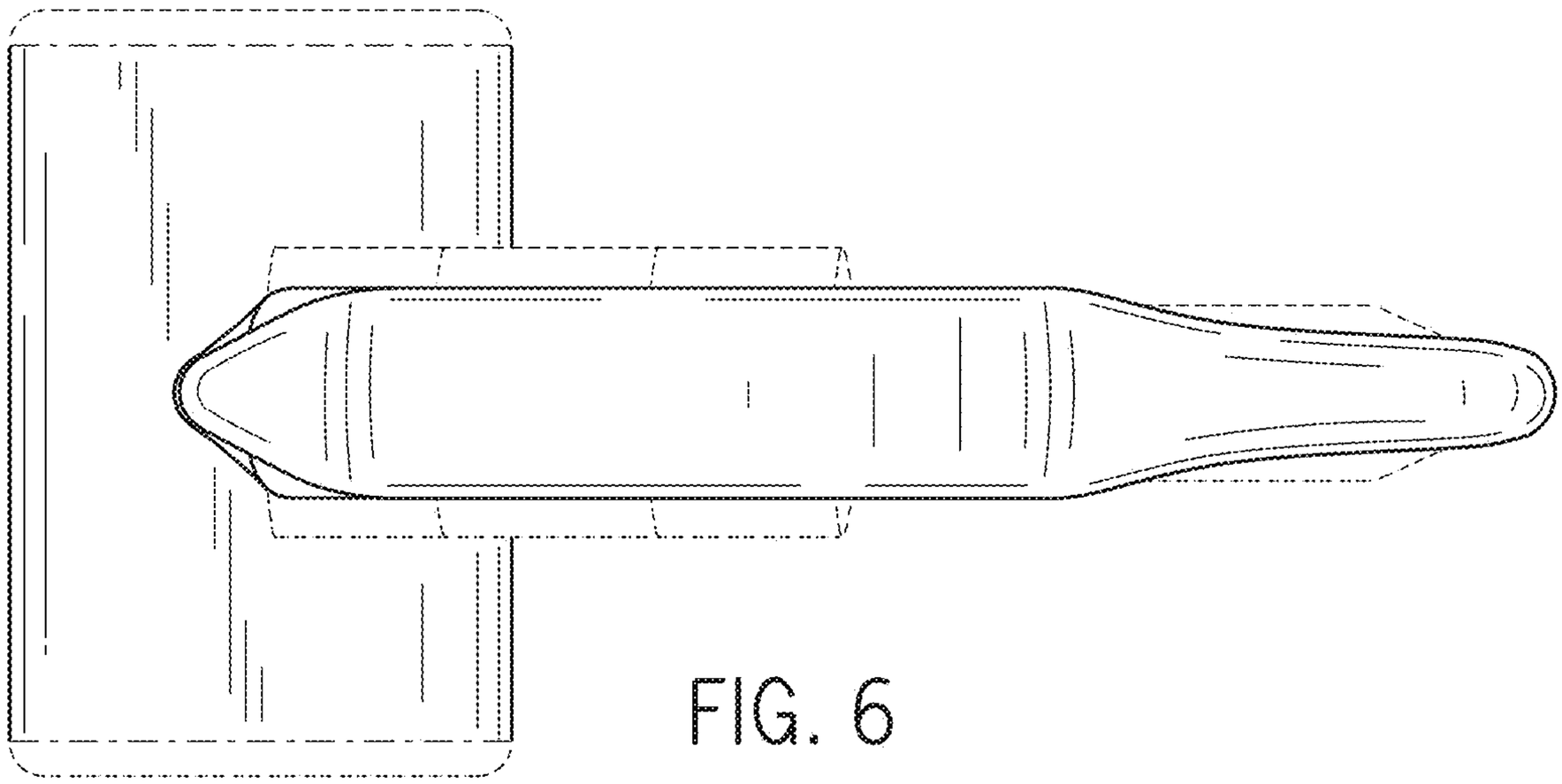


FIG. 6

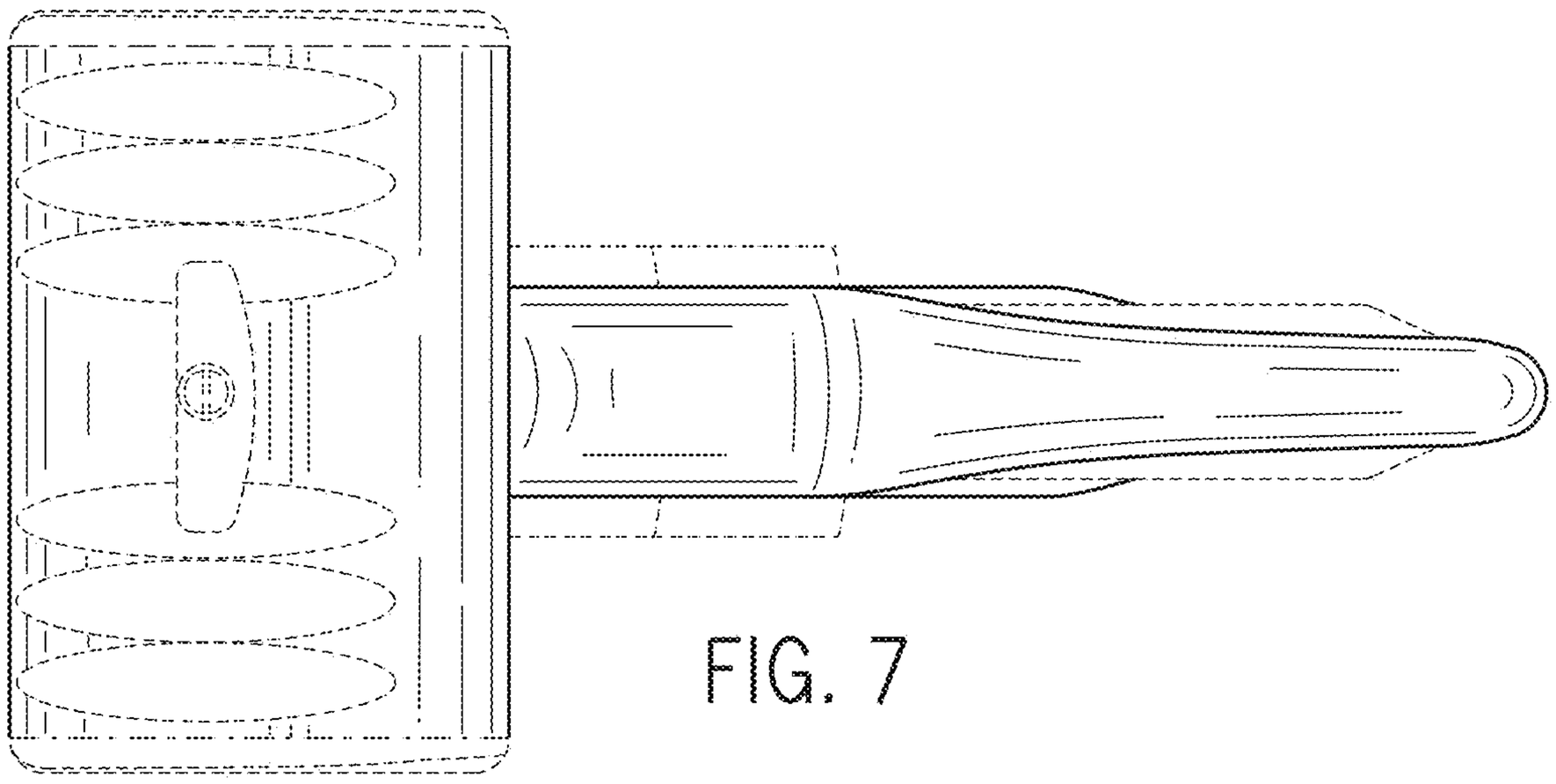
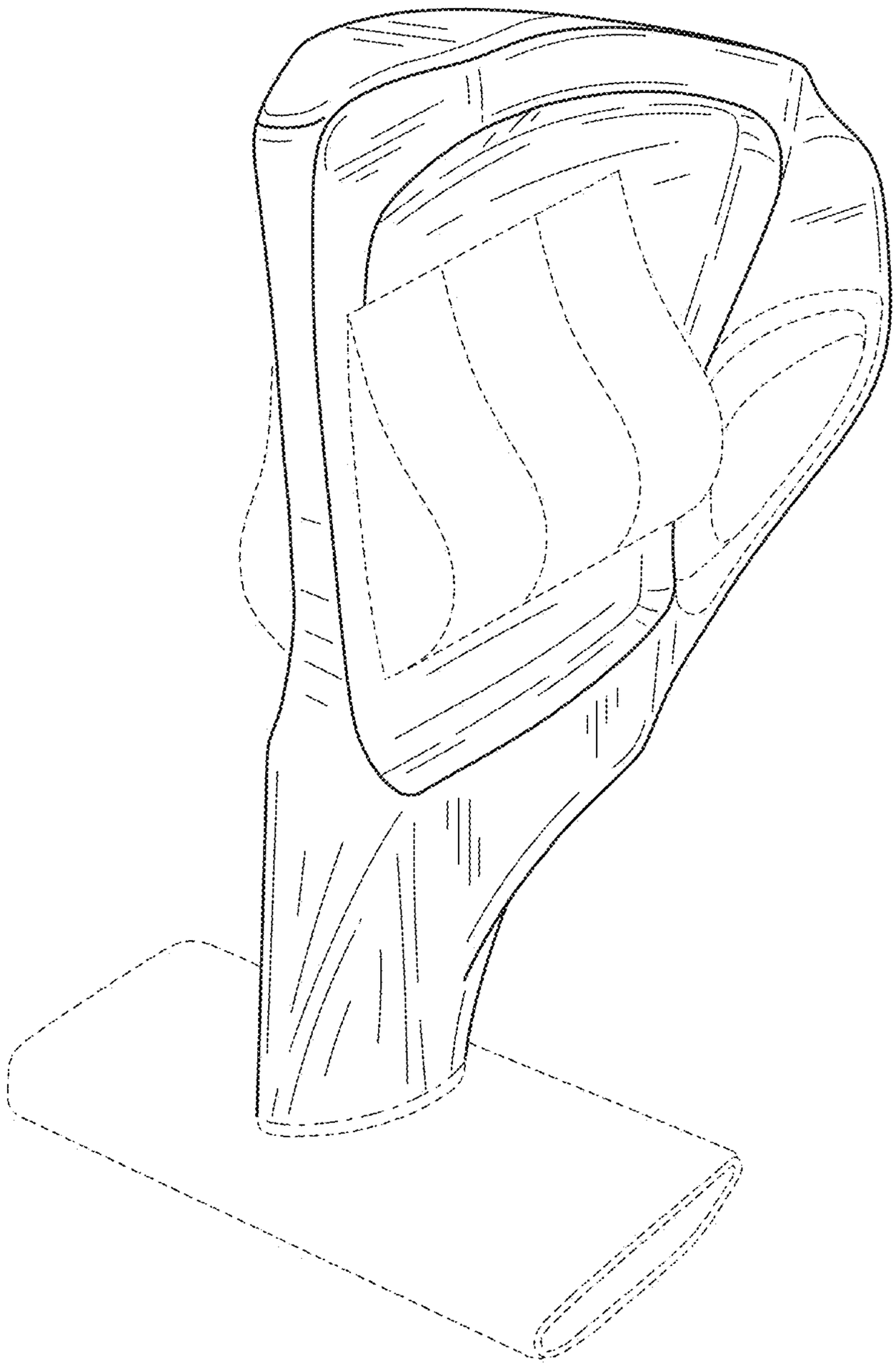


FIG. 7



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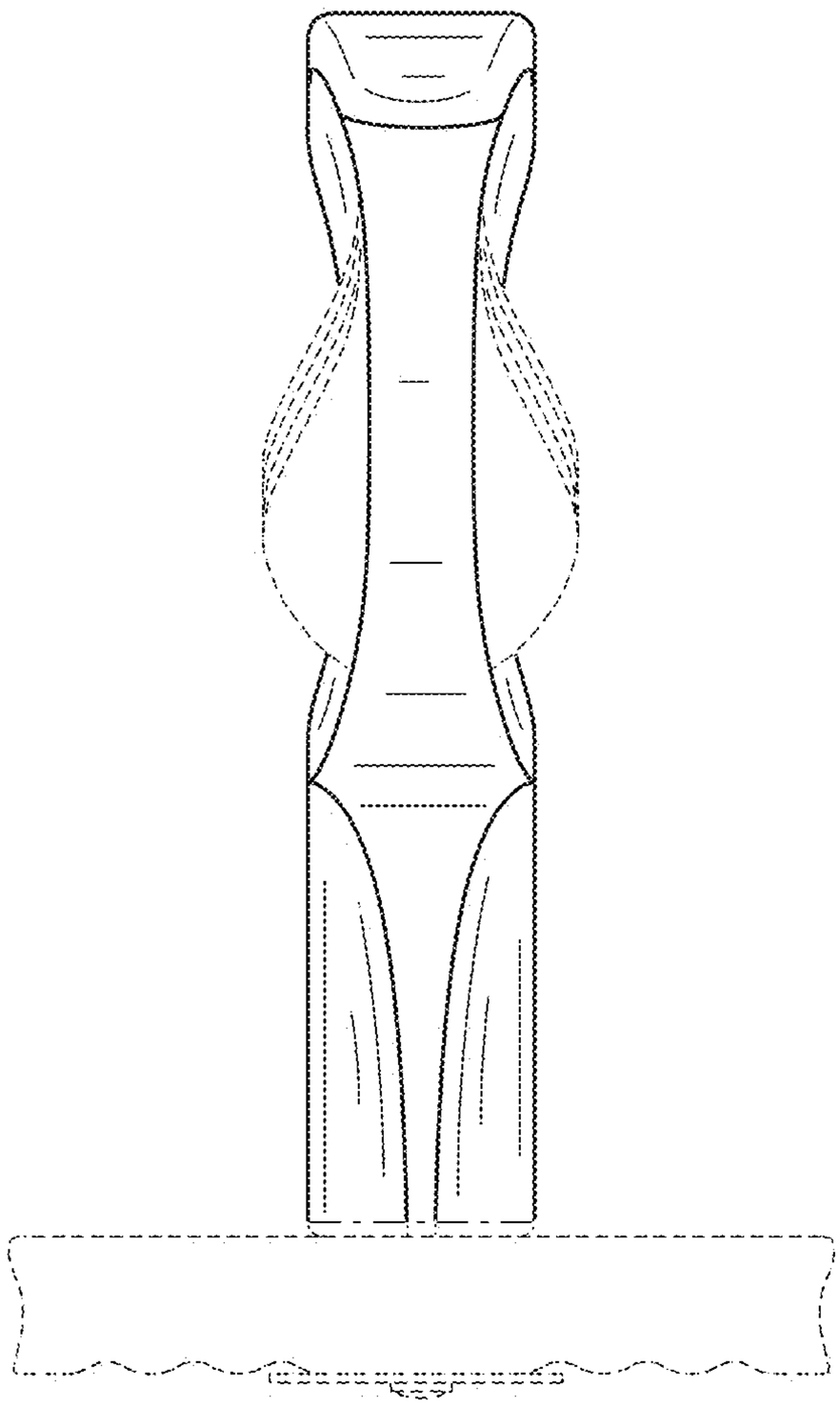

FIG. 9

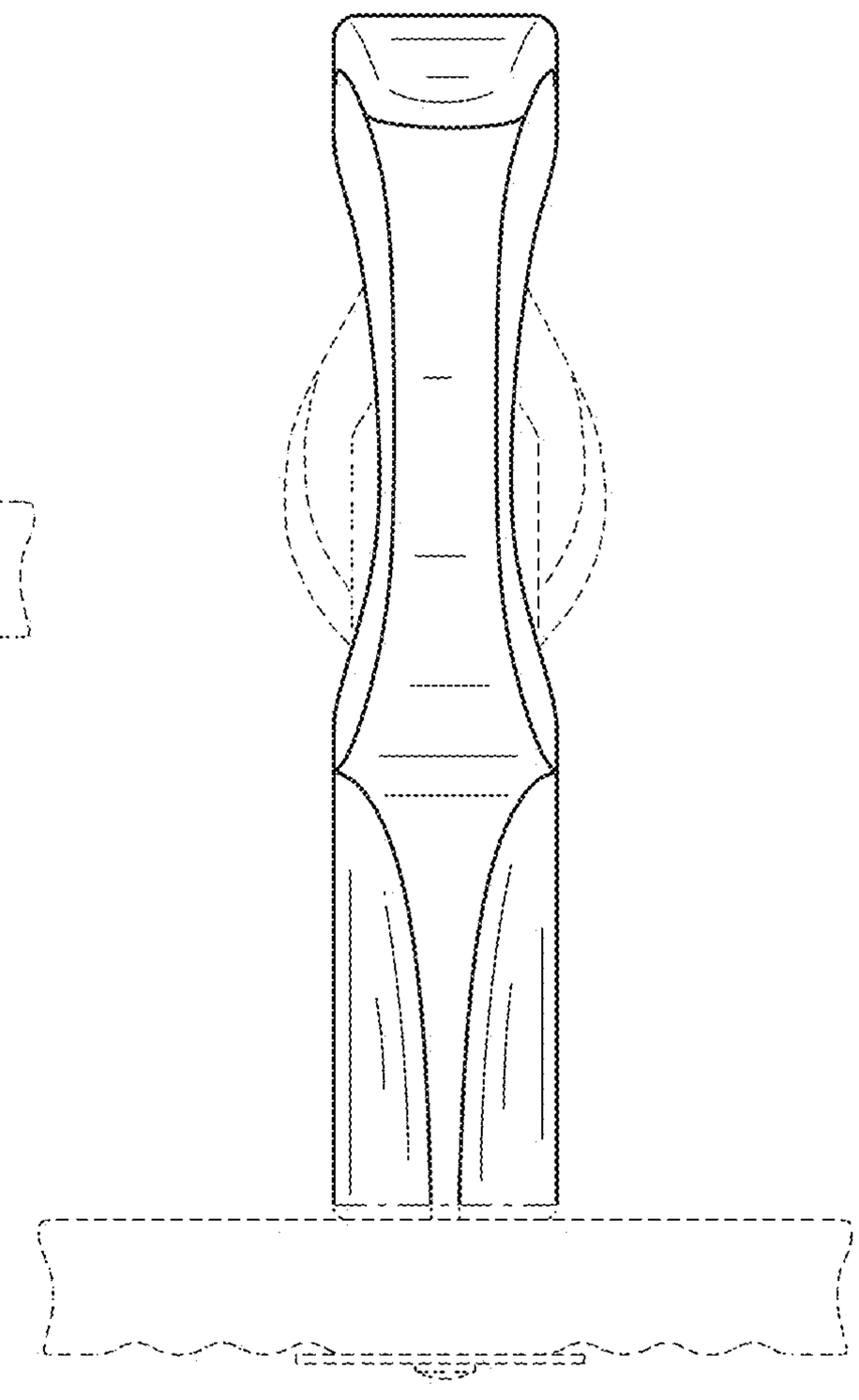

FIG. 10

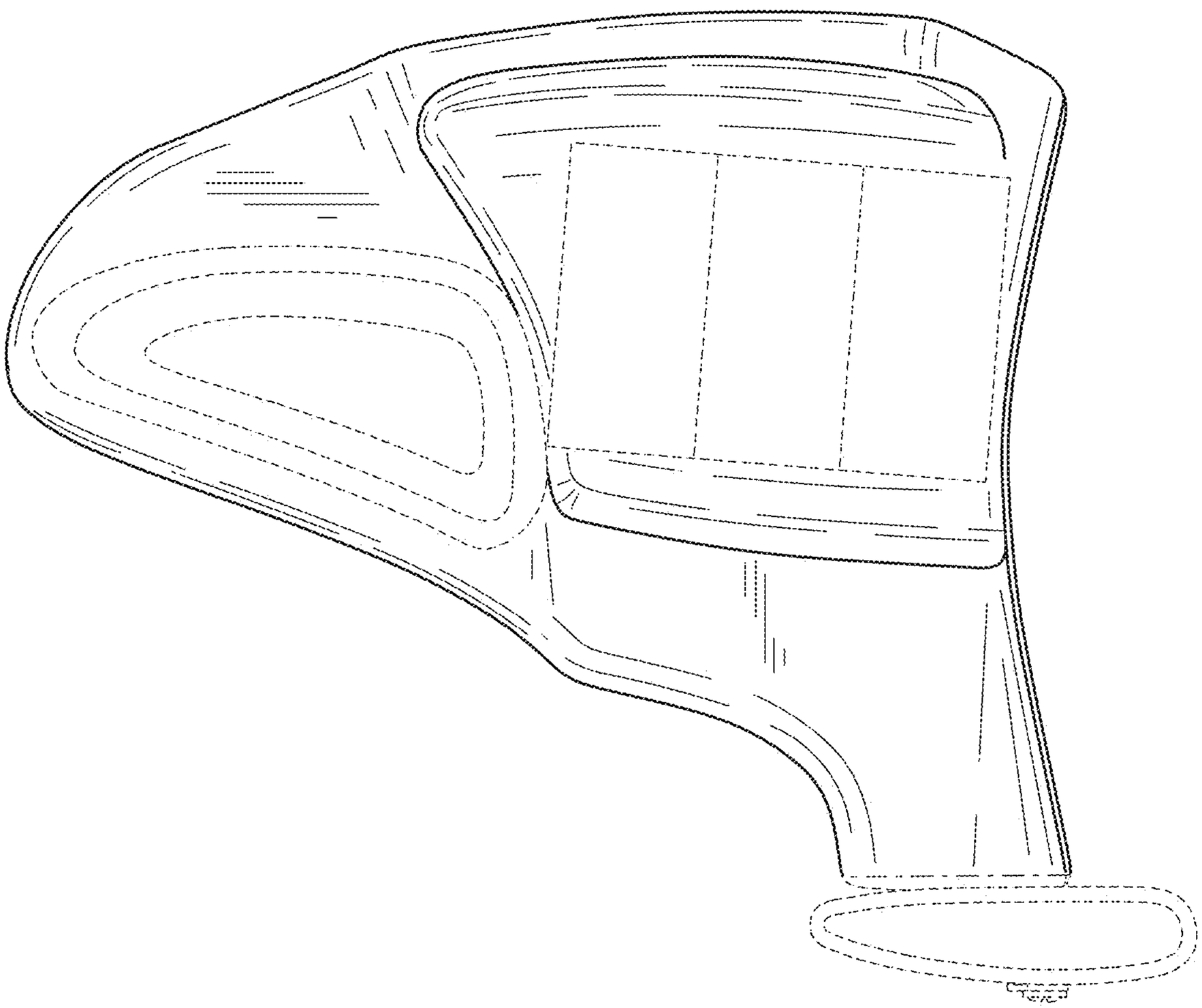

FIG. 11

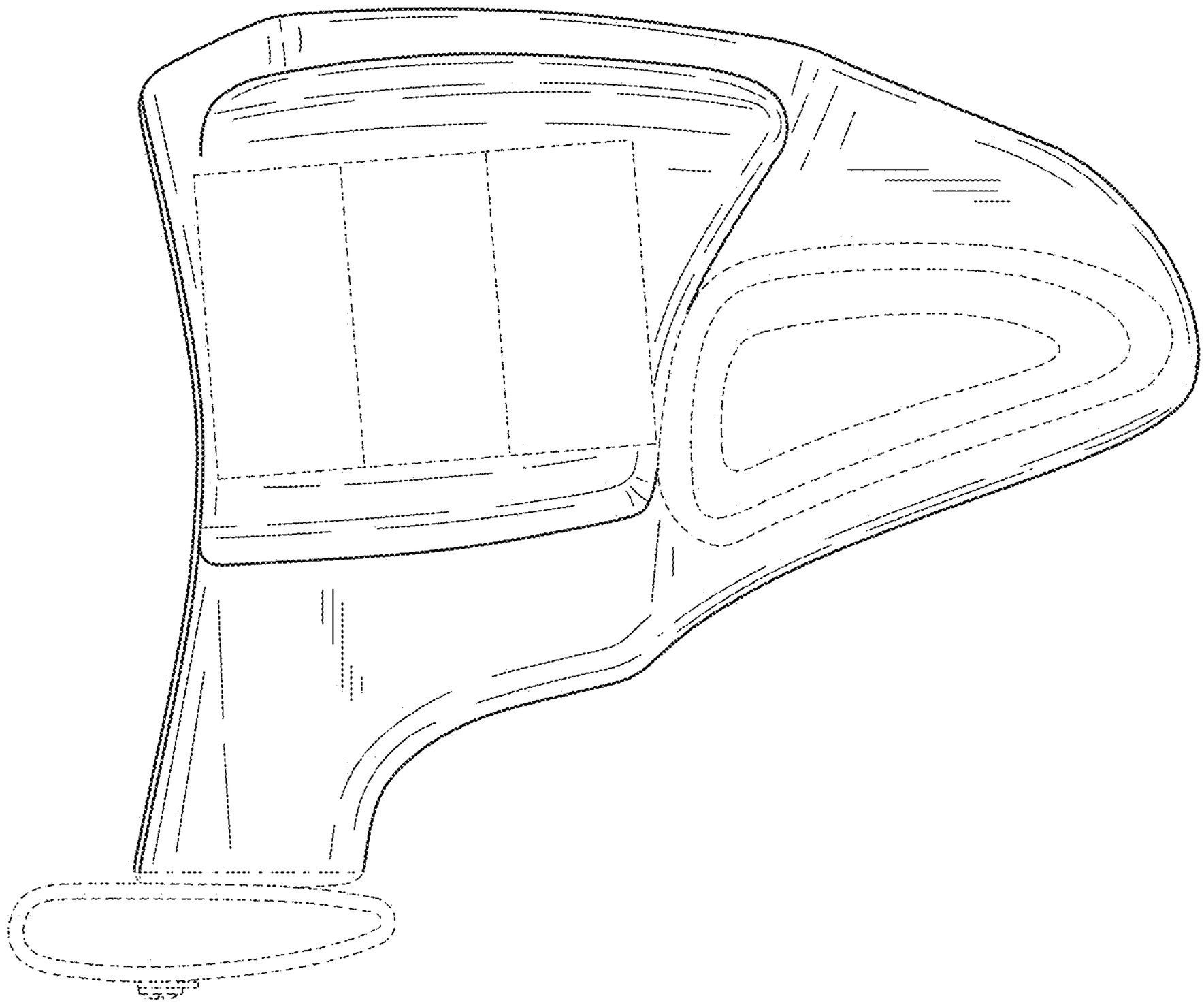

FIG. 12

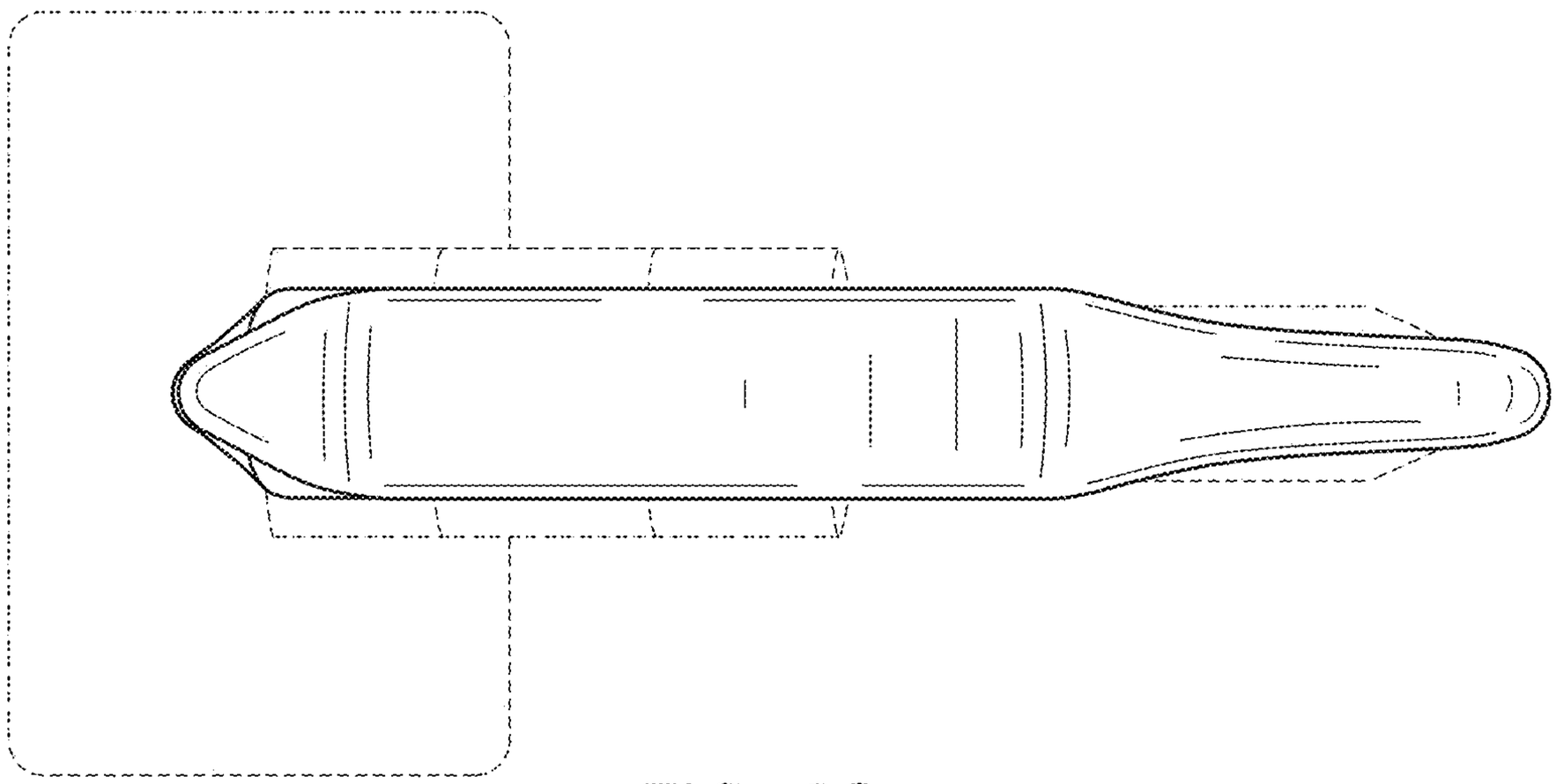

FIG. 13

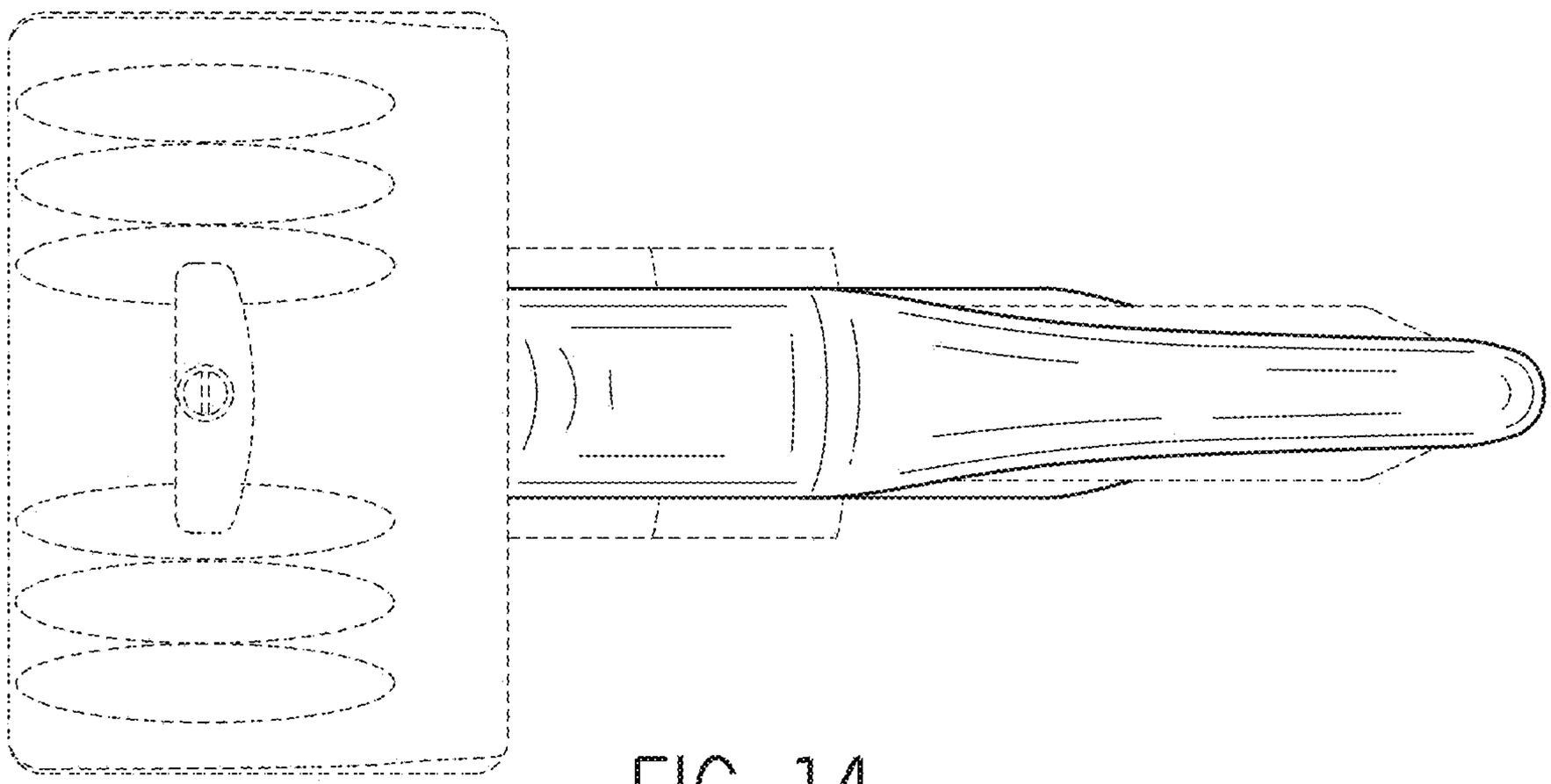

FIG. 14