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(12) **United States Design Patent**
Toll

(10) **Patent No.:** **US D684,781 S**
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(54) **BICYCLE SEAT**
(75) **Inventor:** **Steven G. Toll**, Tampa, FL (US)
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(**) **Term:** **14 Years**
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(52) **U.S. Cl.**
USPC **D6/354**
(58) **Field of Classification Search**
USPC D6/354; D12/111; 297/195.1, 196-215
See application file for complete search history.

5,765,912 A 6/1998 Bontrager
5,863,094 A 1/1999 Endo
5,873,626 A 2/1999 Katz

(Continued)

FOREIGN PATENT DOCUMENTS

WO 99/14103 3/1999
WO 20071038692 4/2007

OTHER PUBLICATIONS

Ilan Leibovitch, Yoram Mor, "The Vicious Cycling: Bicycling Related Urogenital Disorders", *European Urology* 47, pp. 277-287 (2005).

(Continued)

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(56) **References Cited**

U.S. PATENT DOCUMENTS

642,191 A 1/1890 Wright
464,653 A 12/1891 Latta
537,375 A 4/1895 Wright et al.
568,626 A 9/1896 Pierce et al.
570,497 A 11/1896 Pattison
572,062 A 11/1896 Peck
608,682 A 8/1898 Jamieson
612,552 A 10/1898 Standeford
612,972 A 10/1898 Leech
619,204 A 2/1899 Moore
622,357 A 4/1899 Hitchcock et al.
623,238 A 4/1899 Davis
872,124 A 11/1907 Hammaren
1,538,542 A 2/1924 Blake
1,858,477 A 5/1932 Blake
3,844,611 A 10/1974 Young
4,429,915 A 2/1984 Flager
4,898,422 A 2/1990 West
4,999,068 A 3/1991 Chiarella
5,011,222 A 4/1991 Yates et al.
5,676,420 A 10/1997 Kuipers et al.

(57) **CLAIM**

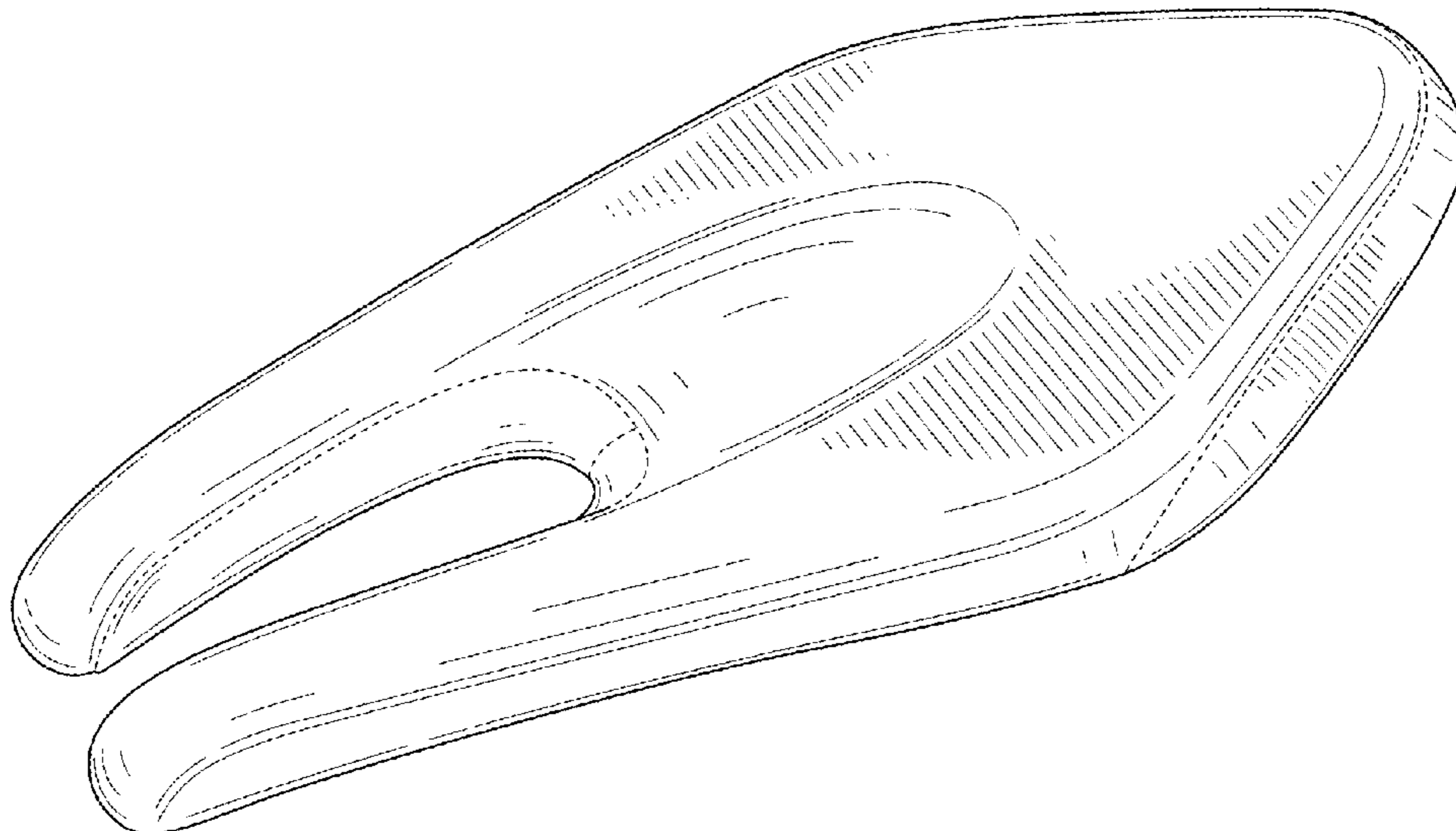
The ornamental design for a bicycle seat, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the ornamental design;
FIG. 2 is a top plan view of the ornamental design of FIG. 1;
FIG. 3 is a front view of the ornamental design of FIG. 1;
FIG. 4 is a rear view of the ornamental design of FIG. 1;
FIG. 5 is a left side elevation view of the ornamental design of FIG. 1;
FIG. 6 is a right side elevation view of the ornamental design of FIG. 1; and,
FIG. 7 is a bottom plan view of the ornamental design of FIG. 1.

The portions of the bottom of the bicycle seat shown within the broken lines form no part of the claimed design.

1 Claim, 5 Drawing Sheets



U.S. PATENT DOCUMENTS

D409,009	S	5/1999	Toll et al.
D417,560	S	12/1999	Tollefson et al.
6,019,423	A	2/2000	Dodge et al.
6,039,395	A	3/2000	Culbertson
6,113,184	A	9/2000	Barnes
6,193,309	B1	2/2001	Gootter et al.
D454,258	S	3/2002	Yates
6,422,647	B1	7/2002	Turudich
6,783,176	B2	8/2004	Ladson, III
7,025,417	B2	4/2006	Cohen
7,077,469	B2	7/2006	Farré
7,121,622	B1	10/2006	Mendez
D575,070	S	8/2008	Toll
7,537,281	B2	5/2009	Riondato
D604,056	S	11/2009	Toll et al.
D604,057	S	11/2009	Toll
7,699,391	B2	4/2010	Riondato
D622,973	S	9/2010	Toll
7,934,770	B2	5/2011	Toll
D639,081	S	6/2011	Toll

OTHER PUBLICATIONS

Eddy Randrup, M.D., and Neil Baum, M.D., "Bicycle Riding as a Cause for Erectile Dysfunction", www.medicalsexuality.org, pp. 26-27, (Nov. 2000).

S. J. Jeong, K. Park, J. D. Moon, and Sb Ryu, "Bicycle Saddle Shape affects penile blood flow", *International Journal of Impotence Research*, 14, 513-517 (2002).

Ian R. Spears, Neil K. Cummins, Zoe Brenchley, Claire Donahue, Carl Turnbull, Shona Burton, and Gabrielle A. Macho, "The Effect of Saddle Design on Stresses in the Perineum during Cycling", *Medical Science Sports Exercise*, vol. 35, No. 9, pp. 1620-1625 (2003).

Eadric Bressel, and Brad J. Larson, "Bicycle Seat Designs and Their Effect on Pelvic Angle, Trunk Angle, and Comfort", *Medical Science Sports Exercise*, vol. 35, No. 2, pp. 327-332 (2003).

G. Breda, M.D., N. Piazza, M.D., V. Bernardi, M.D., E. Lundardon, M.D., and Adara Caruso, M.D., "Development of New Geometric Bicycle Saddle for the Maintenance of Genital—Perineal Vascular Perfusion," *Journal of Sexual Medicine*, vol. 2, Issue 5, pp. 605-611 (Sep. 2005).

Brian D. Lowe, Steven M. Schrader, and Michael J. Breitenstein, "Effect of Bicycle Saddle Designs on the Pressure to the Perineum of the Bicyclist", *Medical Science Sports Exercise*, vol. 36, No. 6, pp. 1055-1062 (2004).

Eadric Bressel, John Cronin, and Alicia Exeter, "Bicycle Seat Interface Pressure: Reliability, Validity, and Influence of Hand Position and Workload", *Journal of Biomechanics*, vol. 38, Issue 6, pp. 1325-1331 (Jun. 2005).

Eadric Bressel, Tracey Reeve, Dan Parker, John Cronin, "Influence of Bicycle Seat Pressure on compression of the perineum: a MRI Analysis," *Journal of Biomechanics* 40, pp. 198-202 (2007, Accepted Nov. 26, 2005).

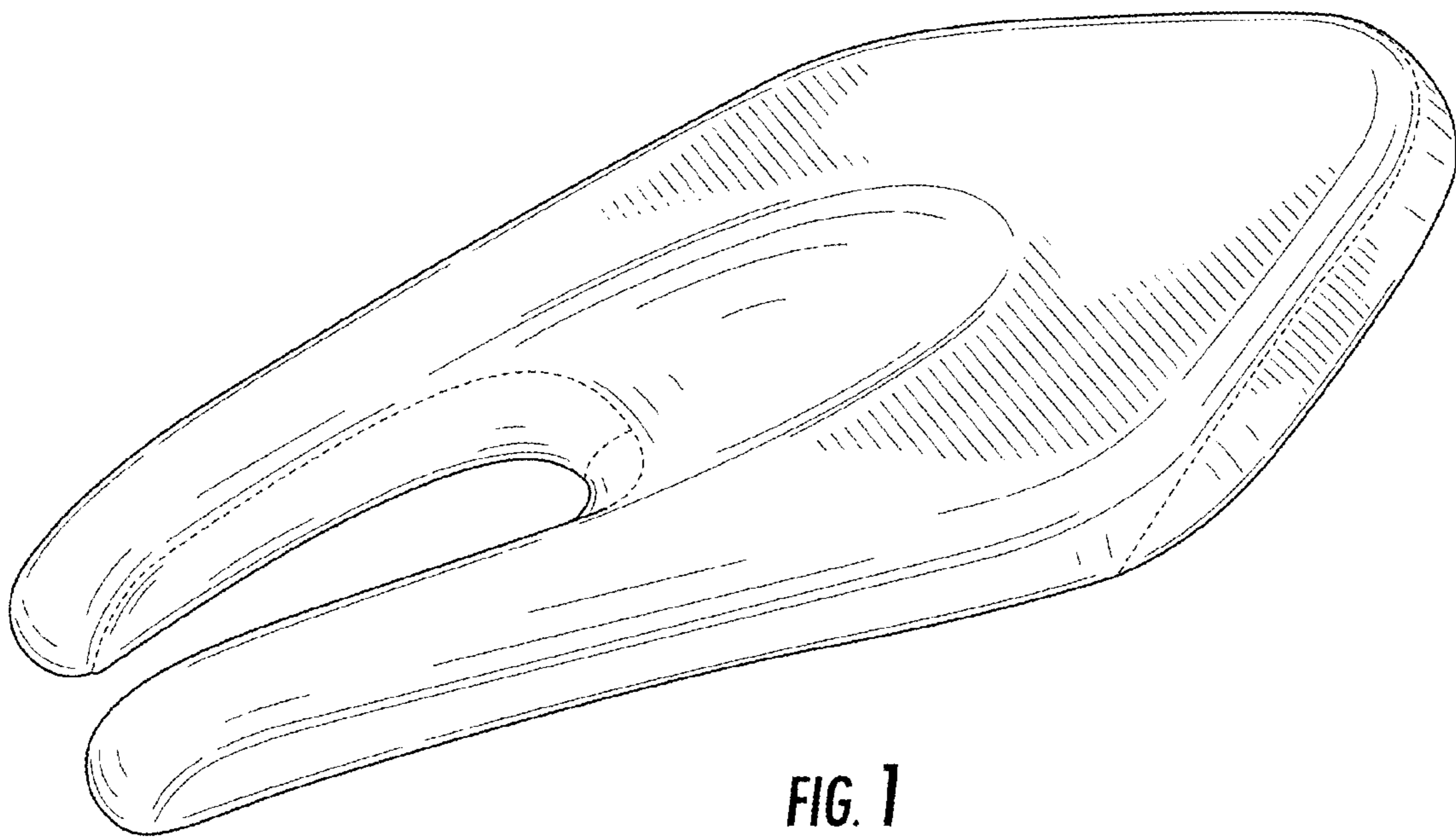


FIG. 1

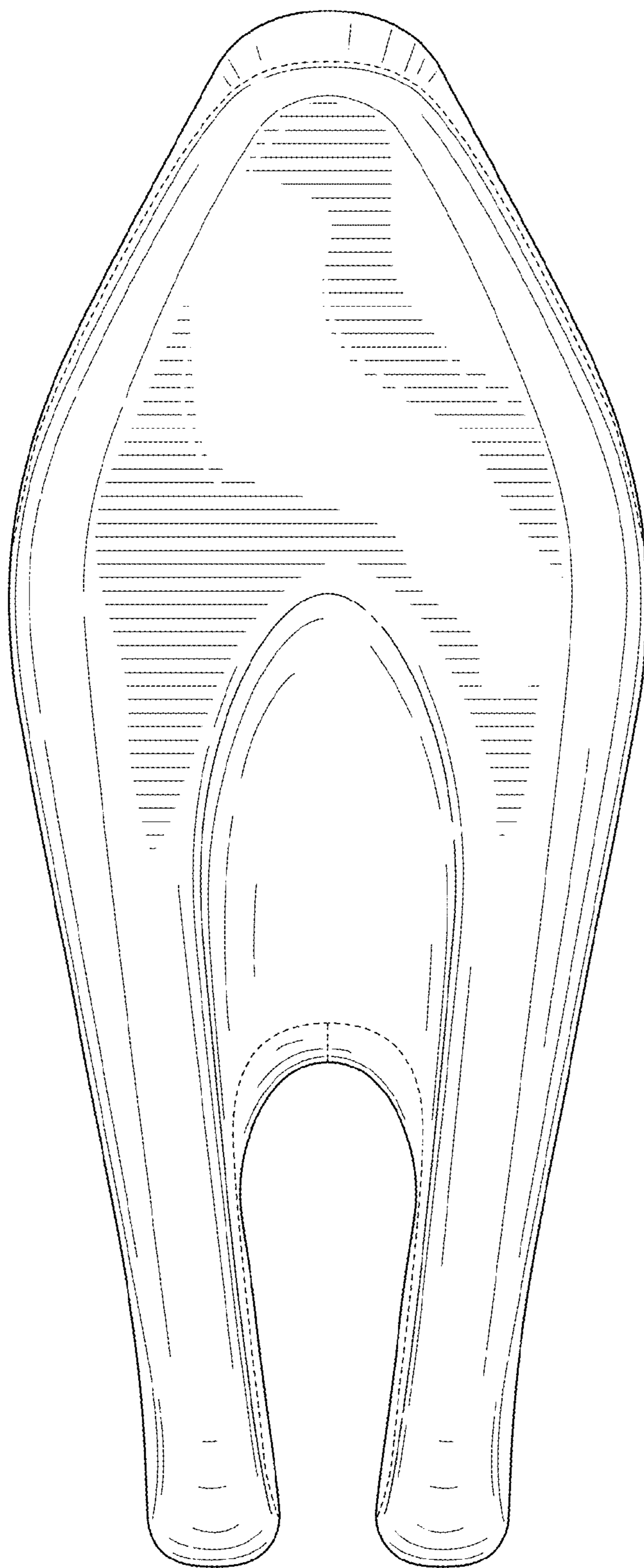


FIG. 2

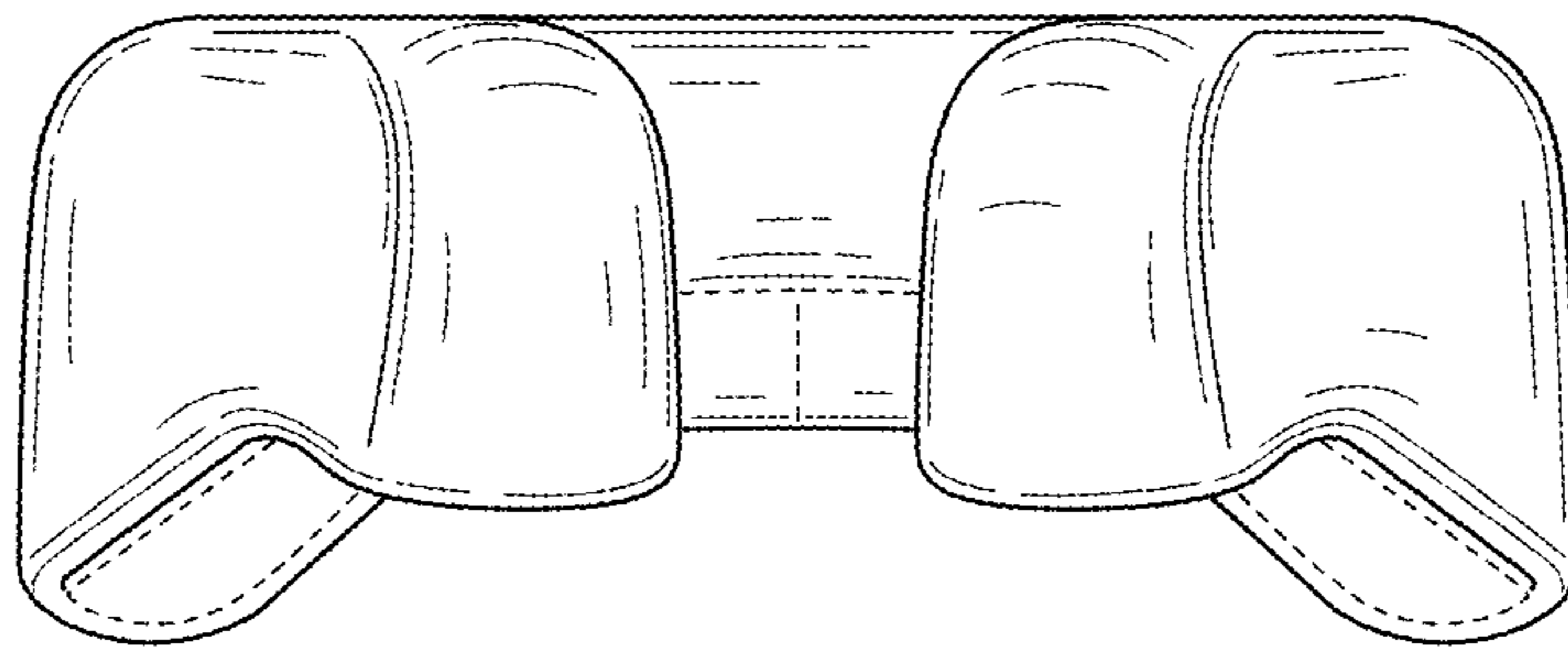


FIG. 3

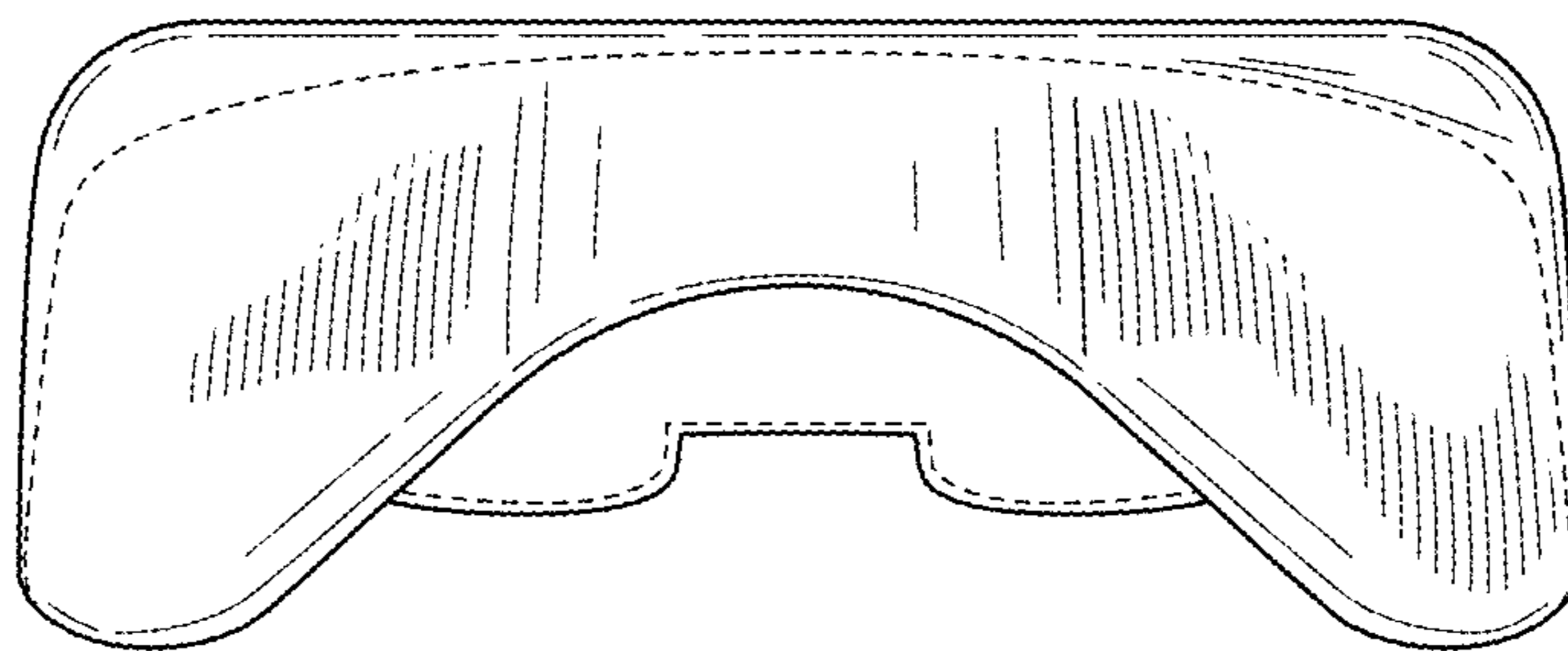


FIG. 4

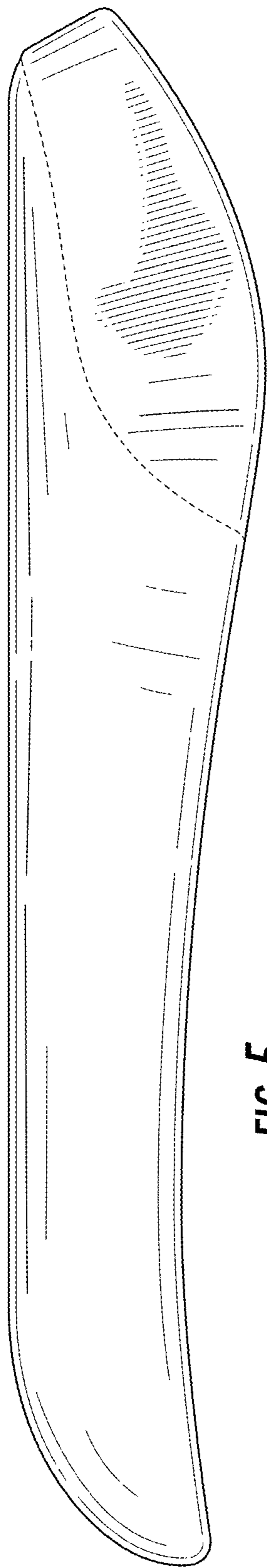


FIG. 5

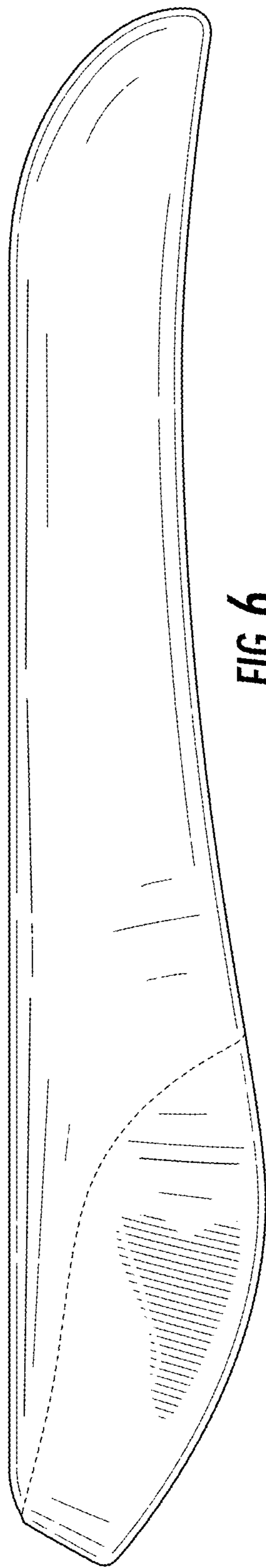


FIG. 6

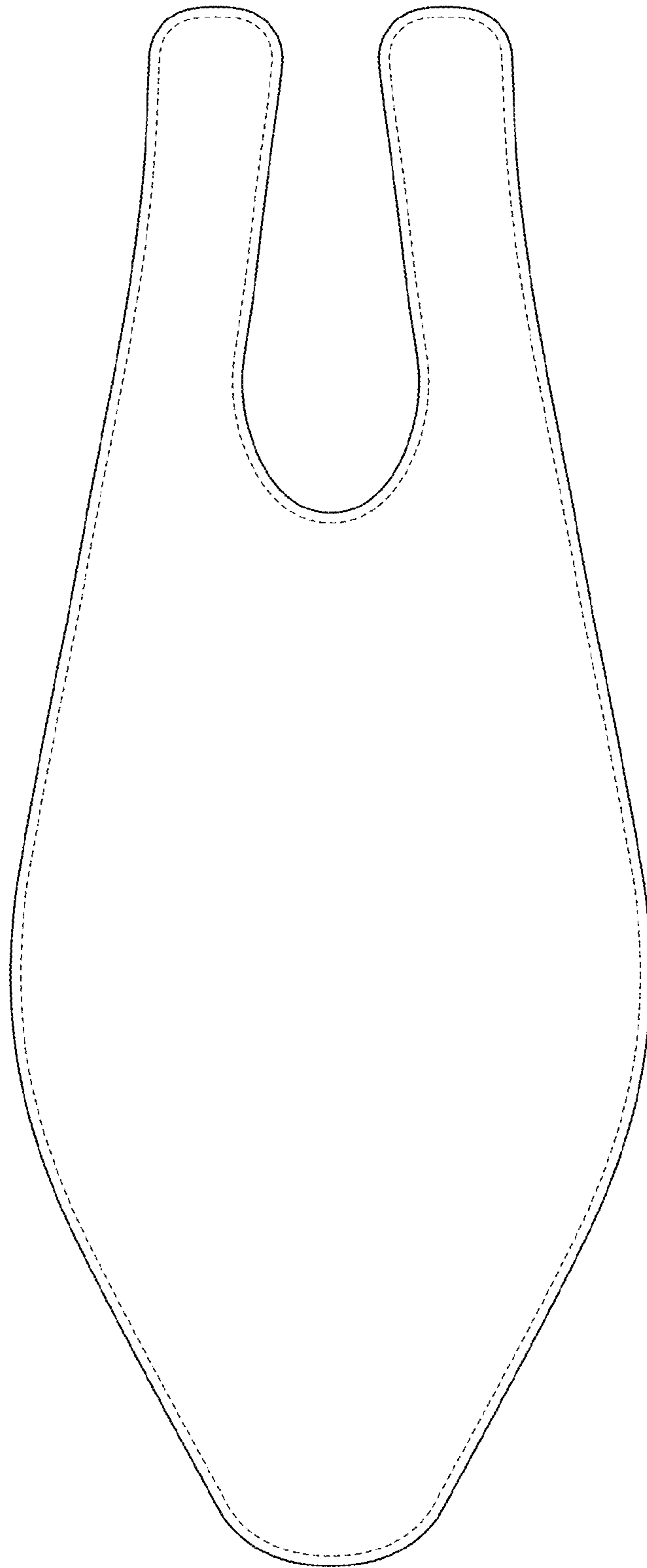


FIG. 7