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(12) **United States Design Patent** (10) **Patent No.:** **US D846,900 S**  
**Toll** (45) **Date of Patent:** **\*\* Apr. 30, 2019**

(54) **BICYCLE SEAT**  
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1/26  
See application file for complete search history.

623,238 A 4/1899 Davis  
629,956 A 8/1899 Craig  
635,598 A 10/1899 Rowe  
654,720 A 7/1900 Engelbert  
701,390 A 6/1902 Provoost  
872,124 A 11/1907 Hammaren  
(Continued)

**FOREIGN PATENT DOCUMENTS**

EP 1444127 11/2004  
EP 2910458 8/2015  
(Continued)

**OTHER PUBLICATIONS**

Leibovitch et al., "The Vicious Cycling: Bicycling Related Uro-  
genital 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  
532,444 A 1/1895 Christy  
D24,139 S \* 3/1895 Christy ..... D6/354  
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  
D27,616 S \* 8/1897 Rusch ..... D6/354  
D28,433 S 3/1898 Hollenbeck  
D28,434 S 3/1898 Hollenbeck  
602,732 A 4/1898 Craig  
605,151 A 6/1898 Twist  
608,682 A 8/1898 Jamieson  
612,552 A 10/1898 Standeford  
612,972 A 10/1898 Leech  
D29,719 S 11/1898 Leech et al.  
619,204 A 2/1899 Moore  
622,357 A 4/1899 Hitchcock et al.

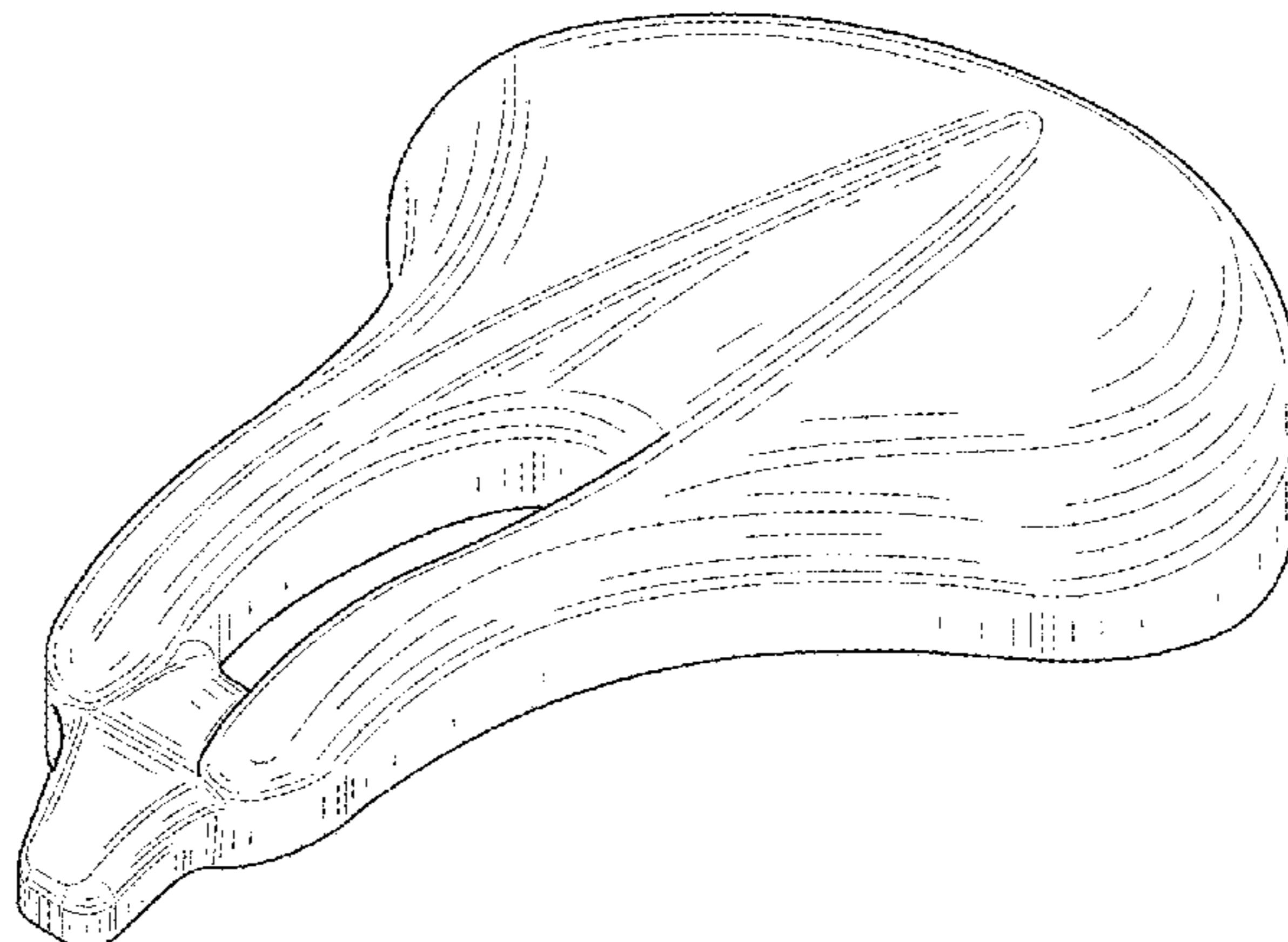
(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a perspective view of a bicycle Seat showing my  
new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a top plan view thereof  
FIG. 5 is a bottom plan view thereof;  
FIG. 6 is a left side elevation view thereof; and,  
FIG. 7 is a right side elevation view thereof.  
The broken lines in the drawings illustrate portions of the  
bicycle seat which form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

1,462,976 A 9/1922 Mesinger  
 1,538,542 A 2/1924 Blake  
 1,858,477 A 5/1932 Blake  
 D213,488 S 3/1969 Golden  
 3,844,611 A 10/1974 Young  
 D237,123 S 10/1975 Hogkvist  
 4,429,915 A 2/1984 Flager  
 4,451,083 A 5/1984 Marchello  
 4,898,422 A 2/1990 West  
 D306,378 S \* 3/1990 Bernardi ..... D6/354  
 D315,646 S 3/1991 Hood  
 4,999,068 A 3/1991 Chiarella  
 5,011,222 A 4/1991 Yates et al.  
 5,108,076 A 4/1992 Chiarella  
 5,167,435 A 12/1992 Aldi  
 5,676,420 A 10/1997 Kuipers et al.  
 5,765,912 A 6/1998 Bontrager  
 5,863,094 A 1/1999 Endo  
 5,873,626 A 2/1999 Katz  
 D407,910 S 4/1999 Terry  
 D408,159 S 4/1999 Clutton  
 D409,009 S 5/1999 Toll et al.  
 D412,791 S \* 8/1999 Tsai ..... D6/354  
 D416,394 S 11/1999 Minkow 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  
 D429,905 S 8/2000 White  
 D430,745 S 9/2000 Minkow et al.  
 6,113,184 A 9/2000 Barnes  
 6,139,098 A 10/2000 Carrillo  
 D433,827 S \* 11/2000 Kuipers ..... D6/354  
 D434,235 S \* 11/2000 Kuipers ..... D6/354  
 6,193,309 B1 2/2001 Gooter et al.  
 D440,779 S 4/2001 Bernardi  
 6,224,151 B1 5/2001 McMullen  
 D443,426 S \* 6/2001 Diaz ..... D6/354  
 6,244,655 B1 6/2001 Minkow et al.  
 D446,032 S 8/2001 Arcieri  
 6,290,291 B1 9/2001 Kojima  
 D454,258 S 3/2002 Yates  
 D456,157 S \* 4/2002 Yates ..... D6/354  
 6,402,236 B1 6/2002 Yates  
 6,422,647 B1 7/2002 Turudich  
 6,450,572 B1 9/2002 Kuipers  
 D463,676 S 10/2002 Minkow et al.  
 6,652,025 B2 11/2003 Sylvester  
 6,669,283 B2 12/2003 Yu  
 6,761,400 B2 7/2004 Hobson  
 6,783,176 B2 8/2004 Ladson, III  
 6,880,885 B2 4/2005 Lan  
 D507,421 S 7/2005 Lawson  
 6,957,857 B1 10/2005 Lee  
 7,025,417 B2 4/2006 Cohen  
 7,077,469 B2 7/2006 Farré  
 7,104,600 B2 9/2006 Scholz  
 7,121,622 B1 10/2006 Mendez  
 7,374,517 B2 5/2008 Lockett  
 D575,070 S 8/2008 Toll  
 7,441,836 B2 10/2008 Chen et al.  
 7,478,871 B2 1/2009 Pandozy  
 D590,160 S 4/2009 Hung  
 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  
 7,976,102 B2 7/2011 Chang  
 D642,846 S 8/2011 Parish et al.  
 D658,396 S 5/2012 Sprouse, II  
 D677,479 S 3/2013 Toll  
 D684,780 S 6/2013 Toll  
 D684,781 S 6/2013 Toll

8,480,169 B2 7/2013 Bailie et al.  
 D688,051 S 8/2013 Toll  
 D688,052 S 8/2013 Toll  
 D688,477 S 8/2013 Toll  
 D688,478 S 8/2013 Toll  
 D688,479 S 8/2013 Toll  
 8,845,018 B2 9/2014 Toll  
 D720,939 S 1/2015 Toll  
 D722,446 S 2/2015 Toll  
 D724,329 S 3/2015 Toll  
 D724,330 S 3/2015 Toll  
 D728,952 S \* 5/2015 Yu ..... D6/354  
 D753,925 S \* 4/2016 Toll  
 D753,926 S \* 4/2016 Smith ..... D6/354  
 D754,450 S 4/2016 Toll  
 D756,675 S 5/2016 Toll  
 D762,073 S 7/2016 Toll  
 D764,820 S 8/2016 Toll  
 D764,821 S 8/2016 Toll  
 D764,822 S 8/2016 Toll  
 D767,909 S 10/2016 Toll  
 D767,910 S 10/2016 Toll  
 D767,911 S 10/2016 Toll  
 D769,007 S 10/2016 Toll  
 D769,008 S 10/2016 Toll  
 D769,631 S \* 10/2016 Toll ..... D6/354  
 D774,790 S 12/2016 Toll  
 D774,791 S 12/2016 Toll  
 D778,079 S \* 2/2017 Porter ..... D6/354  
 D784,033 S \* 4/2017 Li ..... D6/354  
 D786,573 S 5/2017 Toll  
 9,718,509 B2 8/2017 Toll  
 D802,947 S 11/2017 Toll  
 D802,948 S 11/2017 Toll  
 D802,949 S 11/2017 Toll  
 D803,594 S 11/2017 Toll  
 D804,204 S \* 12/2017 Bigolin ..... D6/354  
 D806,415 S 1/2018 Toll  
 2002/0117880 A1 8/2002 Ladson  
 2003/0025363 A1 2/2003 Gaggiola  
 2003/0034678 A1 2/2003 Farré  
 2003/0038515 A1 2/2003 Martin et al.  
 2003/0067195 A1 4/2003 Sylvester  
 2003/0071498 A1 \* 4/2003 Yu ..... B62J 1/00  
 297/215.16  
 2005/0006932 A1 1/2005 Laidlaw  
 2007/0069557 A1 3/2007 Toll  
 2007/0102970 A1 5/2007 Wallace  
 2007/0200399 A1 8/2007 Riondato  
 2007/0246978 A1 10/2007 Yu  
 2007/0273184 A1 11/2007 Garneau  
 2008/0265636 A1 10/2008 Toll  
 2009/0079237 A1 3/2009 Riondato  
 2010/0109392 A1 5/2010 Toll  
 2011/0298253 A1 12/2011 Toll  
 2012/0086246 A1 4/2012 Belliveau  
 2015/0097401 A1 4/2015 Toll  
 2015/0239515 A1 \* 8/2015 Toll ..... B62J 1/18  
 297/214

FOREIGN PATENT DOCUMENTS

FR 796997 4/1936  
 JP 2007-186075 7/2007  
 JP 2008-509047 3/2008  
 JP 2011-143734 7/2011  
 JP 2012-162255 8/2012  
 WO 99/14103 3/1999  
 WO 2006015731 2/2006  
 WO 2007/038692 4/2007  
 WO 2014/035972 2/2011  
 WO 2013/134253 9/2013

OTHER PUBLICATIONS

Randrup et al., "Bicycle Riding as a Cause for Erectile Dysfunction", www.medicalsexuality.org, pp. 26-27, (Nov. 2000).



(56)

**References Cited**

## OTHER PUBLICATIONS

Jeong et al., “Bicycle Saddle Shape affects penile blood flow”, *International Journal of Impotence Research*, 14, 513-517 (2002).  
Spears et al., “The Effect of Saddle Design on Stresses in the Perineum during Cycling”, *Medical Science Sports Exercise*, vol. 35, No. 9, pp. 1620-1625 (2003).

Bressel et al., “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).

Breda et al., 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).

Lowe et al., “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).

Bressel et al., “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).

Bressel et al., “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).

U.S. Appl. No. 29/539,809, filed Jul. 21, 2016 with the following characterization: “Noseless Saddles—My Two Cents Worth.” *The Bike Noob.*, Jun. 30, 2011 [online], [retrieved on Jul. 8, 2016]. Retrieved from the Internet <URL: <http://bikenooob.com/2011/06/30/noseless-saddles-my-two-cents-worth/>>.

U.S. Appl. No. 29/539,809, filed Jul. 21, 2016 with the following characterization: “Saddles Part 3—ISM Adamo.” *Bike Test Reviews*.

Apr. 5, 2013 [online], [retrieved on Jul. 8, 2016]. Retrieved from the Internet <URL: <http://biketestreviews.com/saddles-part-3-ism-adamo/>>.

U.S. Appl. No. 29/484,042, filed Jul. 29, 2014 with the following characterization: “Podium Imports ISM Saddles.” *Podium Imports.*, Feb. 20, 2013 [online], [retrieved on Jul. 19, 2014]. Retrieved from the Internet <URL: <http://www.podiumimports.ca/shop-online/brand/ism-saddles/>>.

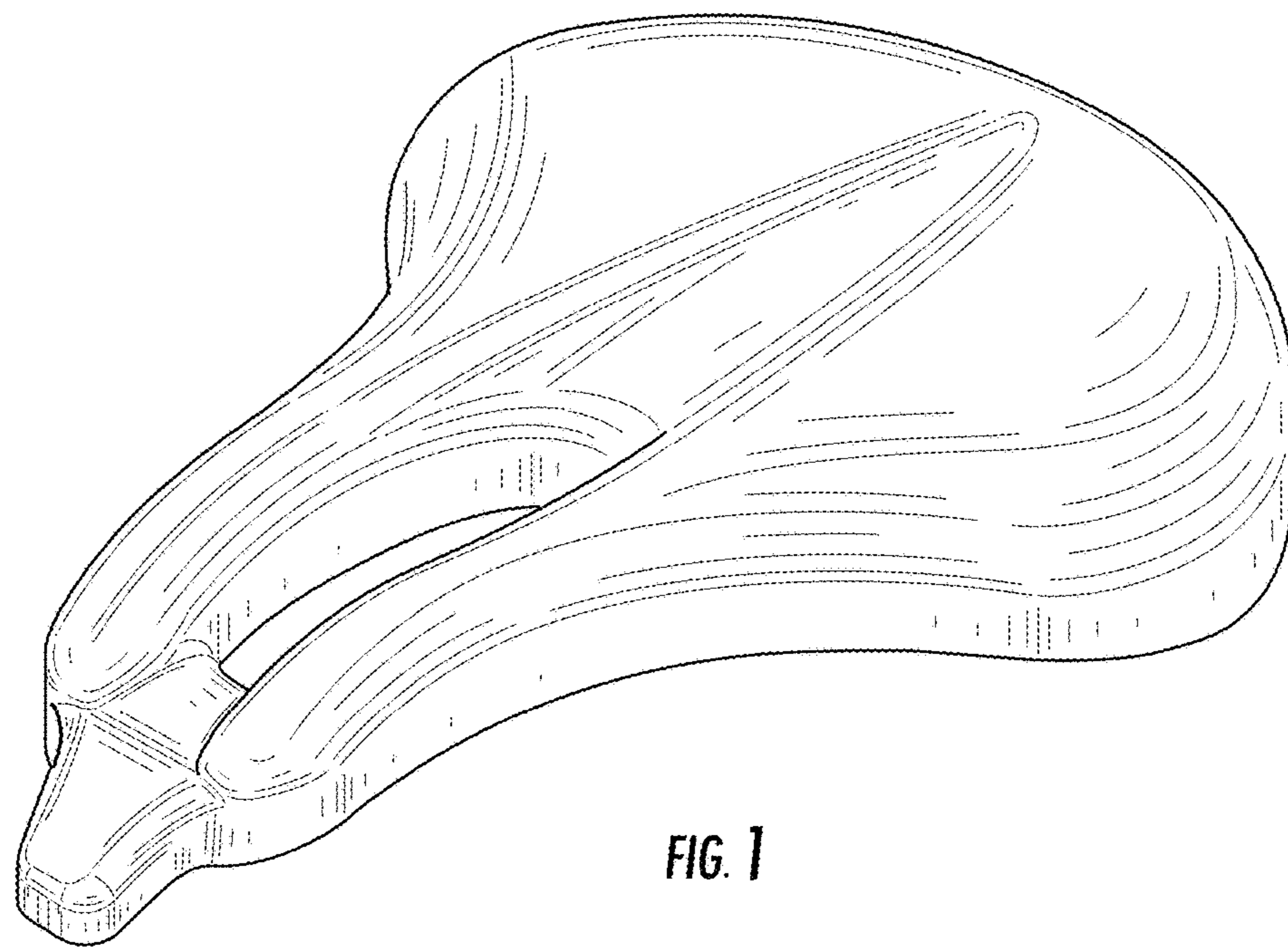
U.S. Appl. No. 29/484,042, filed Jul. 29, 2014 with the following characterization: Alter, Lloyd. “No—Nose Bicycle Seats: Are They The Answer to Erectile Dysfunction And Prostate . . . ” *Tree Hugger.*, Sep. 17, 2010 [online], [retrieved on Jul. 19, 2014]. Retrieved from the Internet <URL: <http://www.treehugger.com/bikes/no-nose-bicycle-seats-are-they-the-answer-to-erectile-dysfunction-and-prostate-problems-among-cyclists.html>>.

U.S. Appl. No. 29/484,039, filed Jul. 29, 2014 with the following characterization: Demerly, Tom. “ISM Adamo Time Trial and Racing 2 Saddles: The Triathlon Saddle Evolved . . . ” *Just Tri Talk.*, Feb. 27, 2013 [online], [retrieved on Jul. 19, 2014]. Retrieved from the Internet <URL: <http://justtritalk.com/ism-adamo-time-trial-and-racing-2-saddles-the-triathlon-saddle-evolved/>>.

U.S. Appl. No. 29/539,813, filed Jul. 25, 2016 with the following characterization: “Noseless Bicycle Saddles—What You Need to Know.” *Electro Heart Beats.*, Mar. 15, 2014 [online], [retrieved on Jul. 8, 2016]. Retrieved from the Internet <URL: <http://www.electroheartbeats.com/2014/03/noseless-bicycle-saddles-what-youneed.html>>.

Patent Cooperation Treaty, “International Search Report and Written Opinion”, issued in International Application No. PCT/US2017/048420, by European Searching Authority, document of 15 pages, dated Nov. 8, 2017.

\* cited by examiner



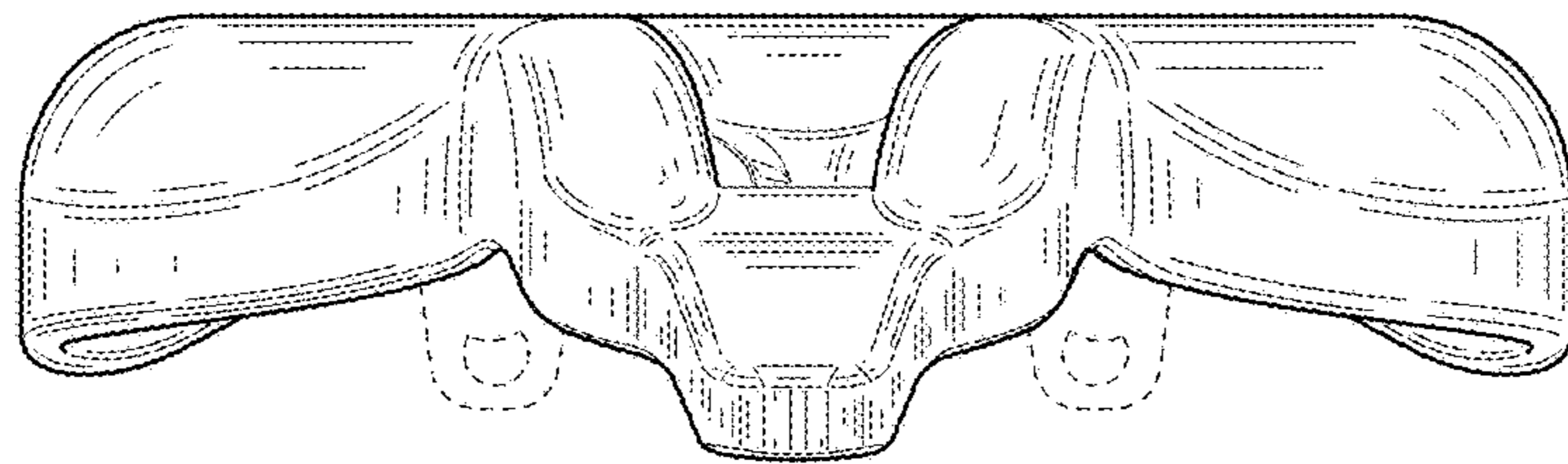


FIG. 2

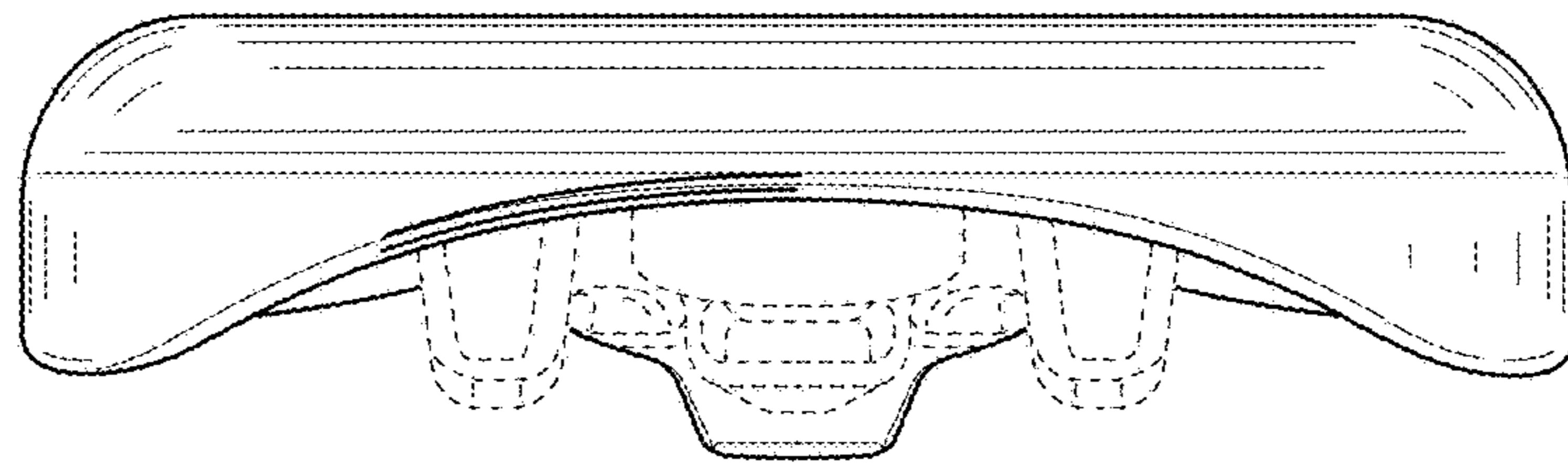


FIG. 3

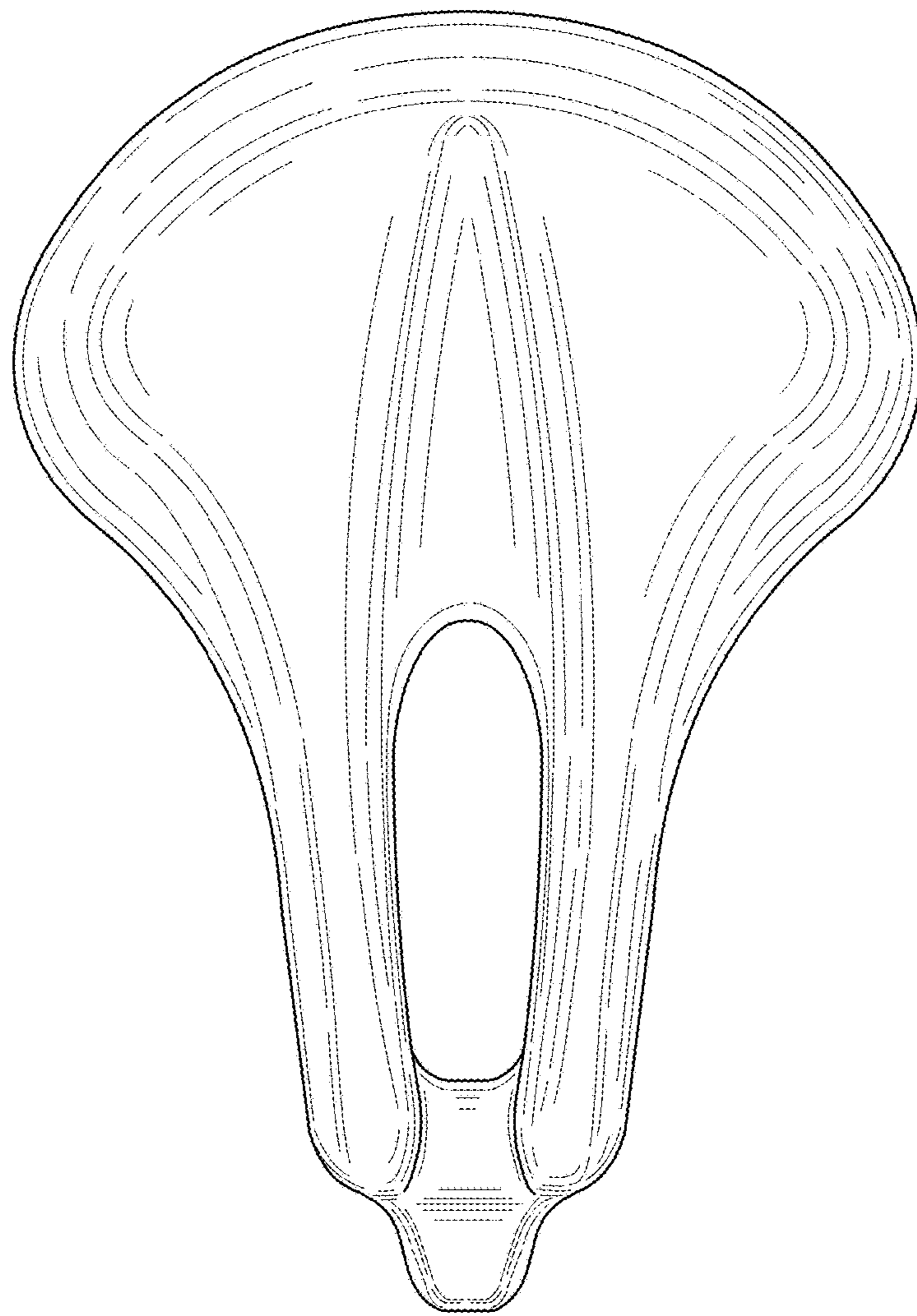


FIG. 4

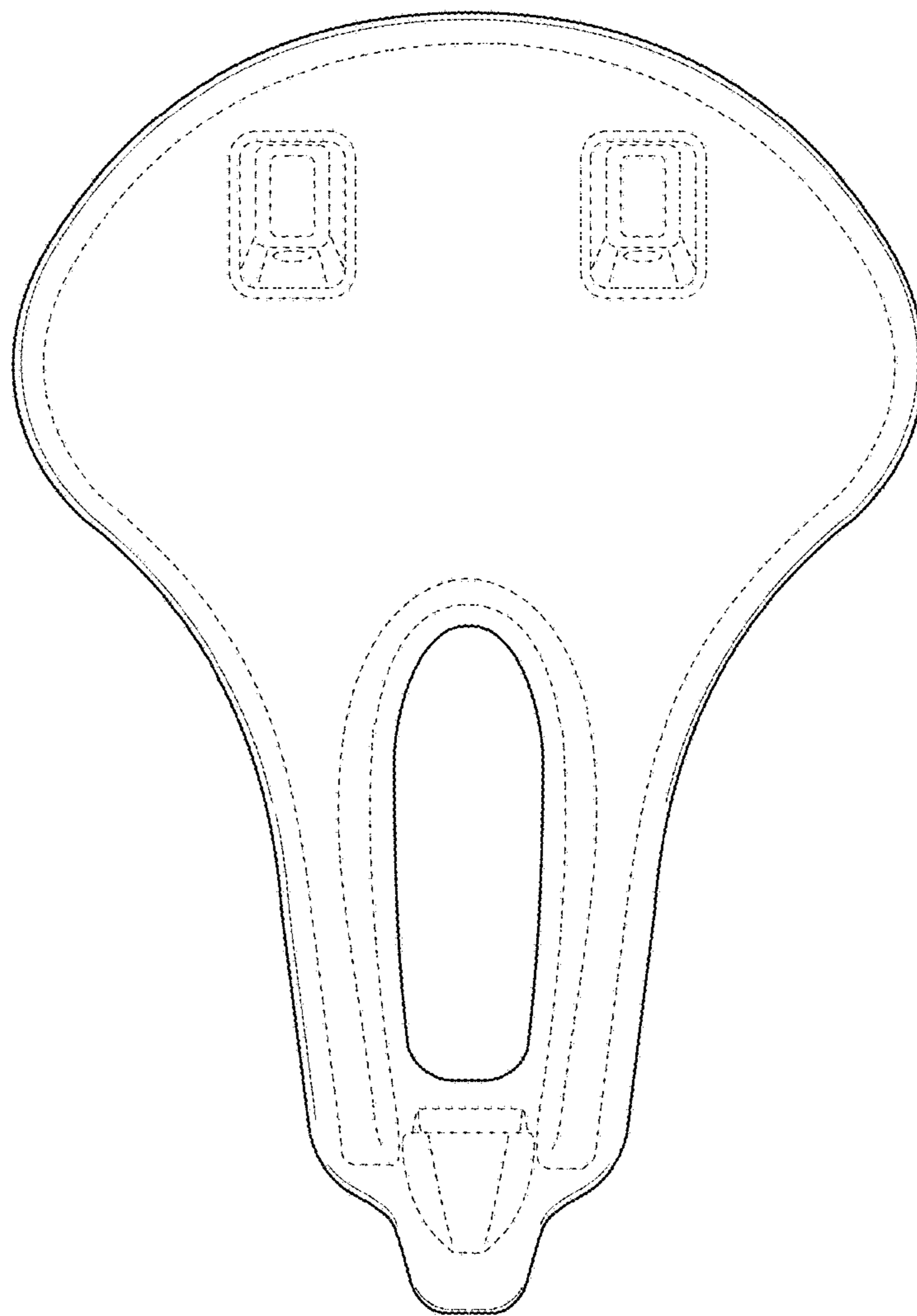


FIG. 5



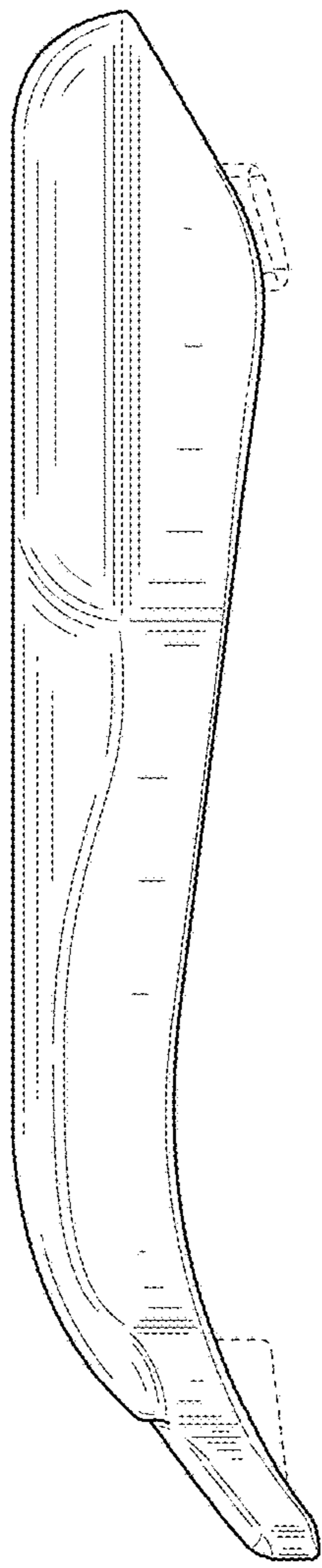


FIG. 6

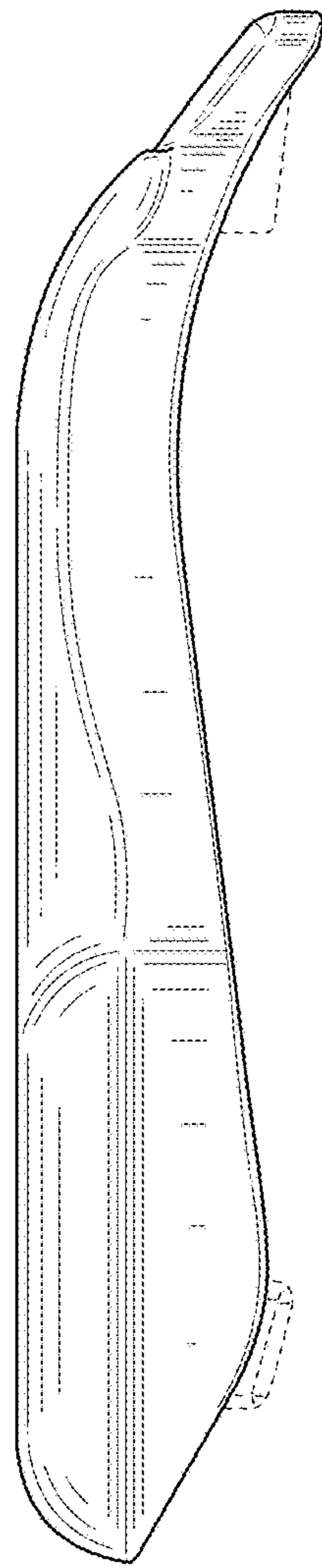


FIG. 7