



US00D688477S

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

(10) **Patent No.:** **US D688,477 S**

(45) **Date of Patent:** **** Aug. 27, 2013**

(54) **BICYCLE SEAT**

572,062 A 11/1896 Peck
605,151 A 6/1898 Twist
608,682 A 8/1898 Jamieson

(71) Applicant: **Tampa Bay Recreation, LLC**, Lutz, FL
(US)

(Continued)

(72) Inventor: **Steven G. Toll**, Tampa, FL (US)

FOREIGN PATENT DOCUMENTS

(73) Assignee: **Tampa Bay Recreation, LLC**, Lutz, FL
(US)

JP 2008-509047 3/2008
WO 99/14103 3/1999
WO 20071038692 4/2007

(**) Term: **14 Years**

OTHER PUBLICATIONS

(21) Appl. No.: **29/448,221**

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

(22) Filed: **Mar. 11, 2013**

(Continued)

Related U.S. Application Data

(60) Continuation of application No. 29/390,794, filed on Apr. 29, 2011, now Pat. No. Des. 677,479, which is a division of application No. 29/360,324, filed on Apr. 23, 2010, now Pat. No. Des. 639,081.

Primary Examiner — Susan M Lee

Assistant Examiner — Linda Brooks

(74) *Attorney, Agent, or Firm* — Akerman Senterfitt; Peter A. Chiabotti

(51) **LOC (9) Cl.** **12-11**

(57) **CLAIM**

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

(52) **U.S. Cl.**

USPC **D6/354**

DESCRIPTION

(58) **Field of Classification Search**

USPC D6/354, 340; D12/111; 297/195.1, 297/196-215, 215.1-216.16, 452.1, 452.11-452.19, 297/452.21, 452.4, 452.55-452.59, 452.63-452.65; 296/65.13, 68.1; 267/132

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 bottom plan view of the ornamental design of FIG. 1; FIG. 4 is a left side elevation view of the ornamental design of FIG. 1; FIG. 5 is a right side elevation view of the ornamental design of FIG. 1; FIG. 6 is a front view of the ornamental design of FIG. 1; and, FIG. 7 is a rear view of the ornamental design of FIG. 1. The portions shown in broken lines, including the stitching, form no part of the claimed design.

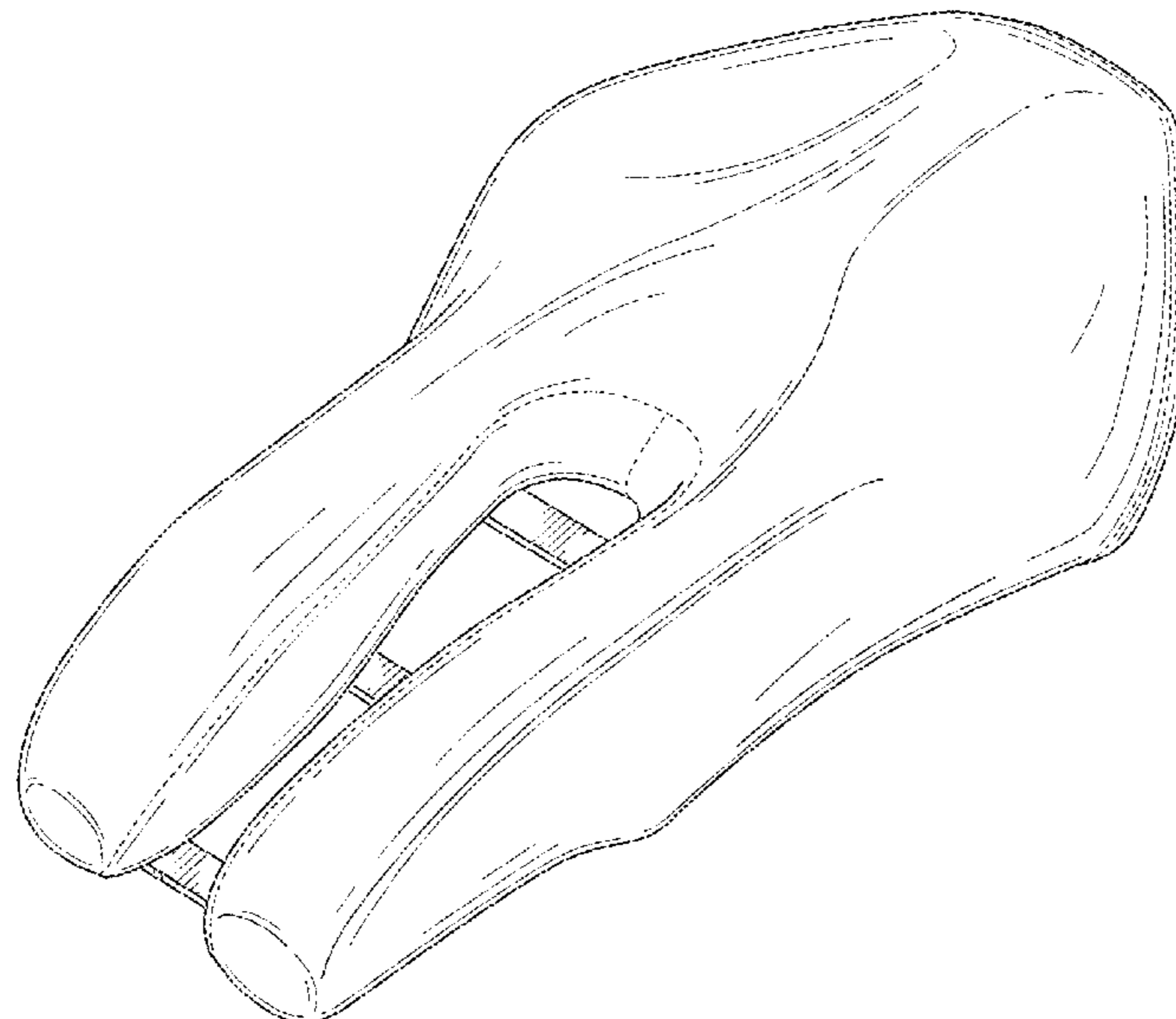
See application file for complete search history.

(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
537,375 A 4/1895 Wright et al.
568,626 A 9/1896 Pierce et al.
570,497 A 11/1896 Pattison

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

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
 635,598 A 10/1899 Rowe
 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.
 5,108,076 A 4/1992 Chiarella
 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
 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
 6,450,572 B1 9/2002 Kuipers
 6,783,176 B2 8/2004 Ladson, III
 6,957,857 B1 10/2005 Lee
 7,025,417 B2 4/2006 Cohen
 7,077,469 B2 7/2006 Badia i Farre
 7,104,600 B2 9/2006 Scholz
 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
 2002/0117880 A1 8/2002 Ladson
 2005/0006932 A1 1/2005 Laidlaw
 2007/0069557 A1 3/2007 Toll
 2007/0200399 A1 8/2007 Riondato
 2008/0265636 A1 10/2008 Toll
 2009/0079237 A1 3/2009 Riondato

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).

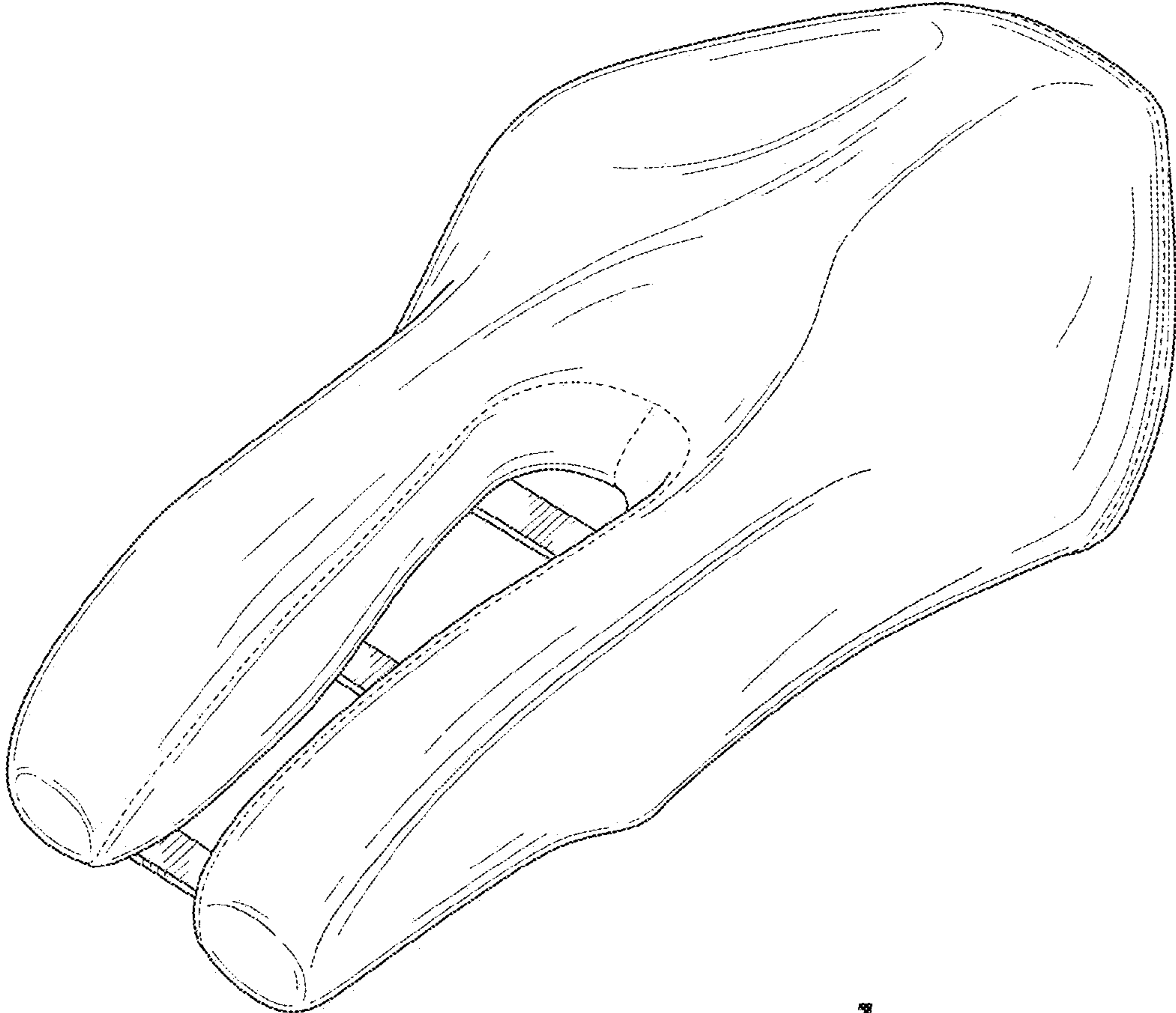


FIG. 1

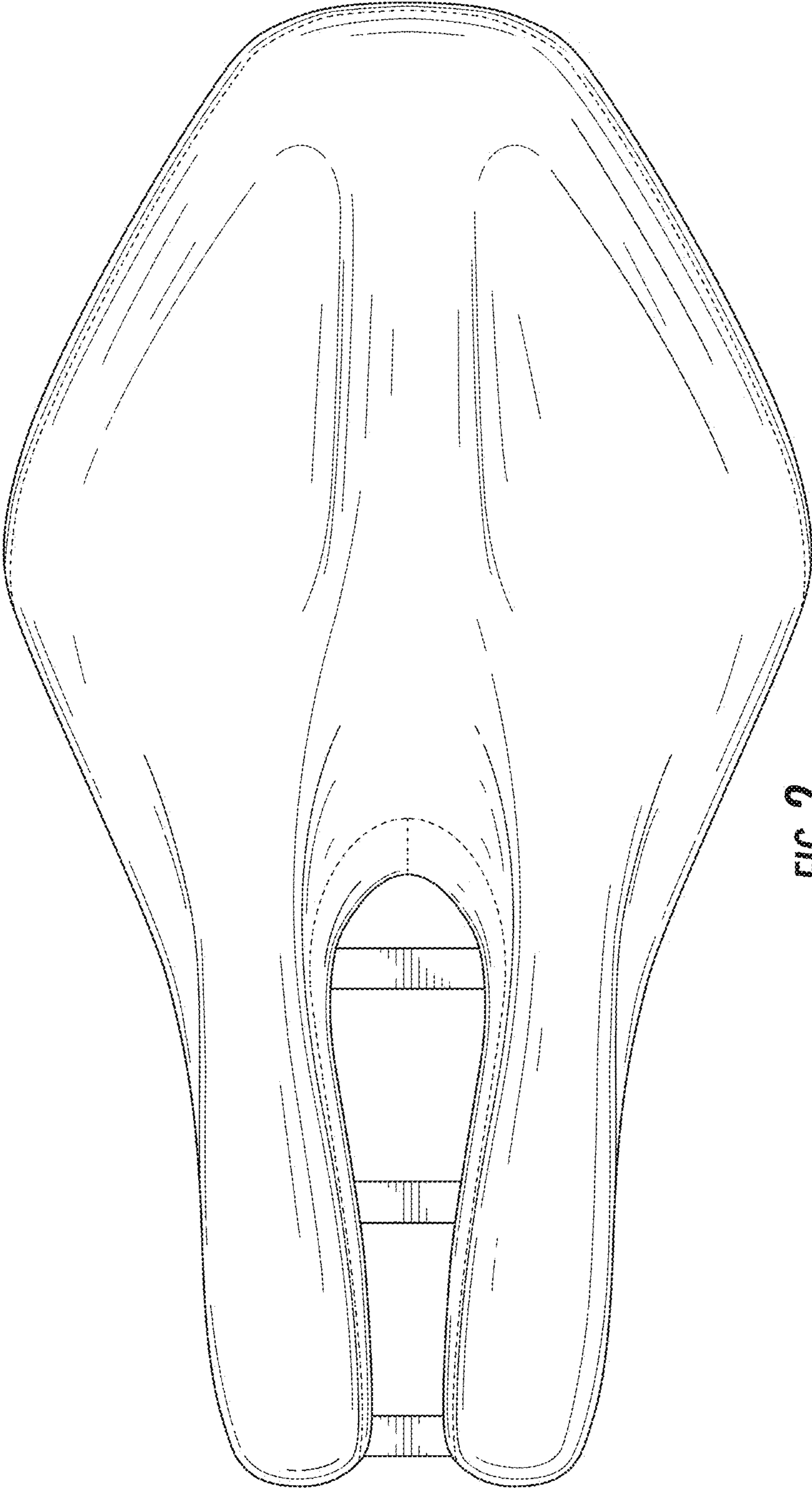


FIG. 2

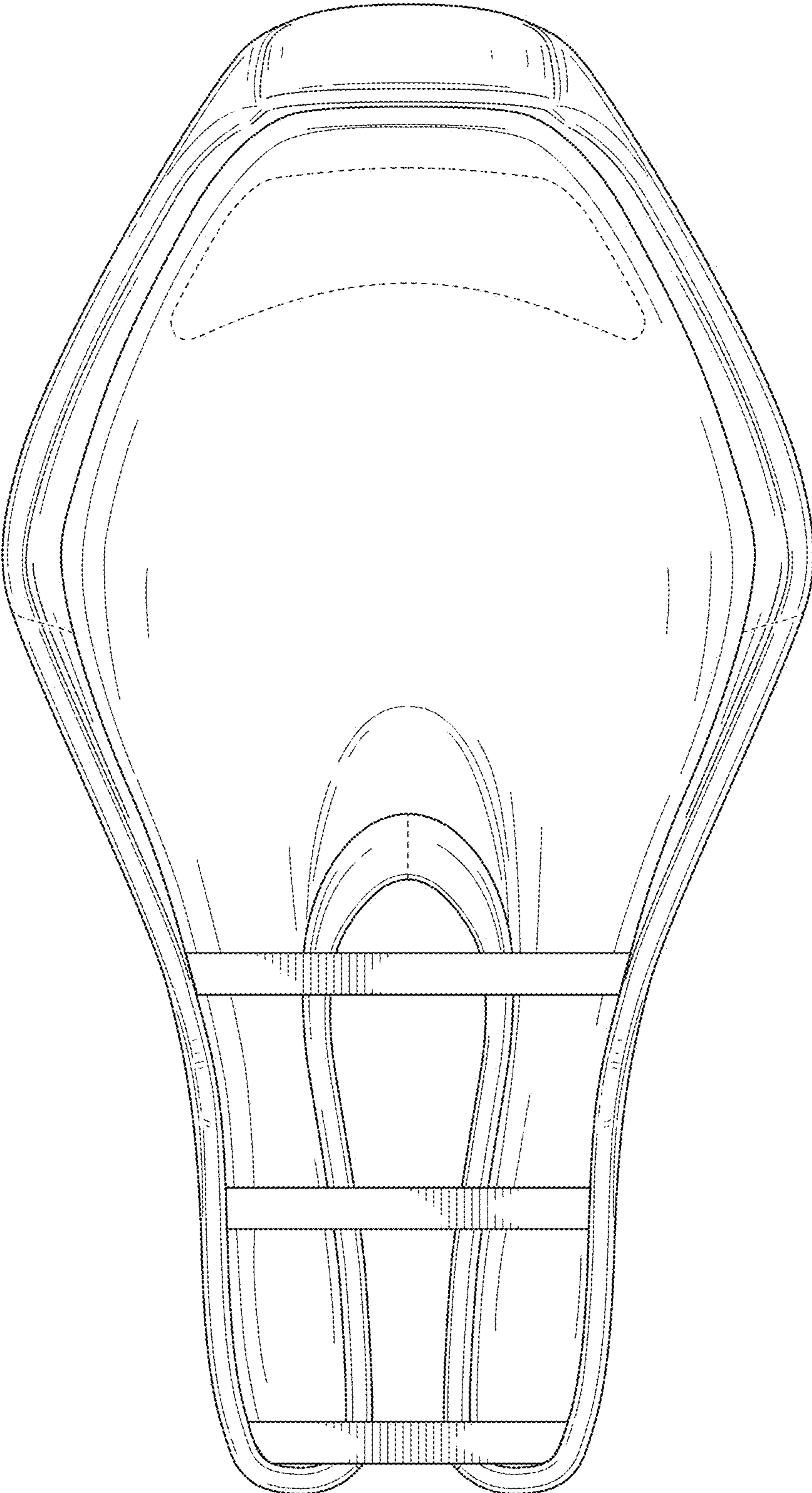


FIG. 3

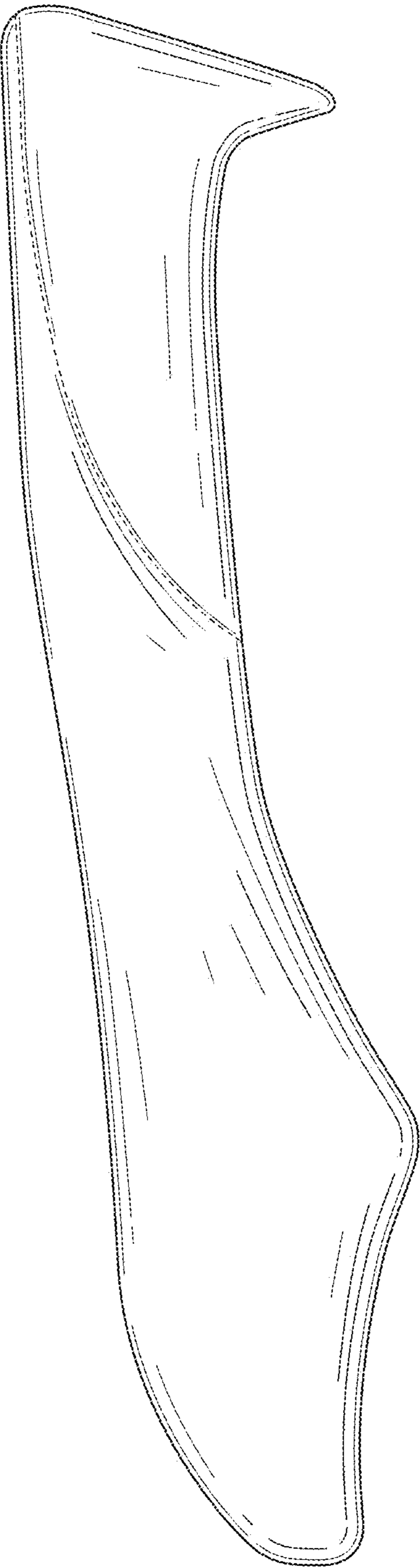


FIG. 4

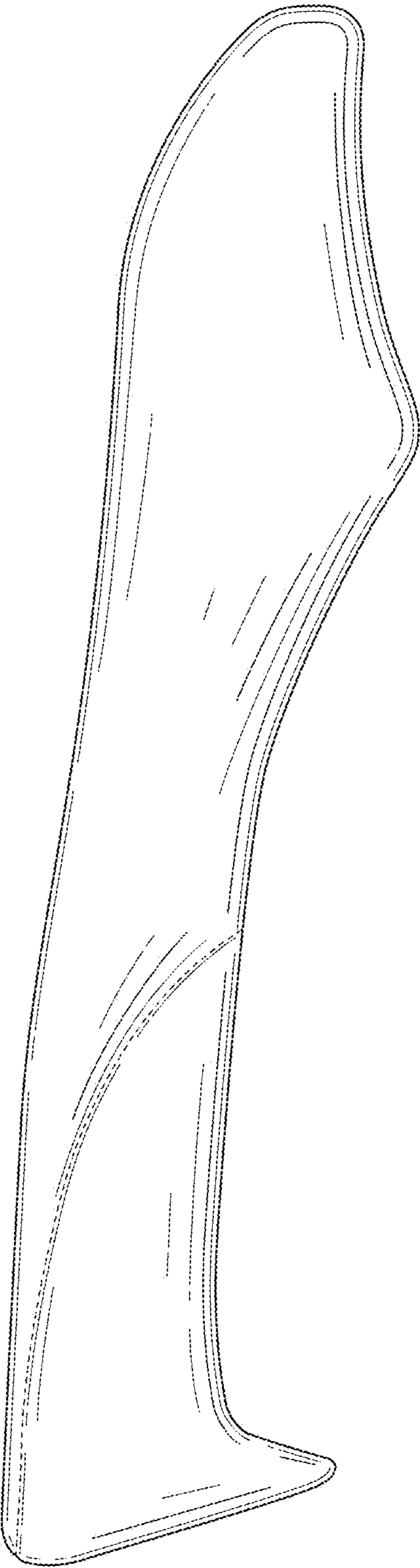


FIG. 5

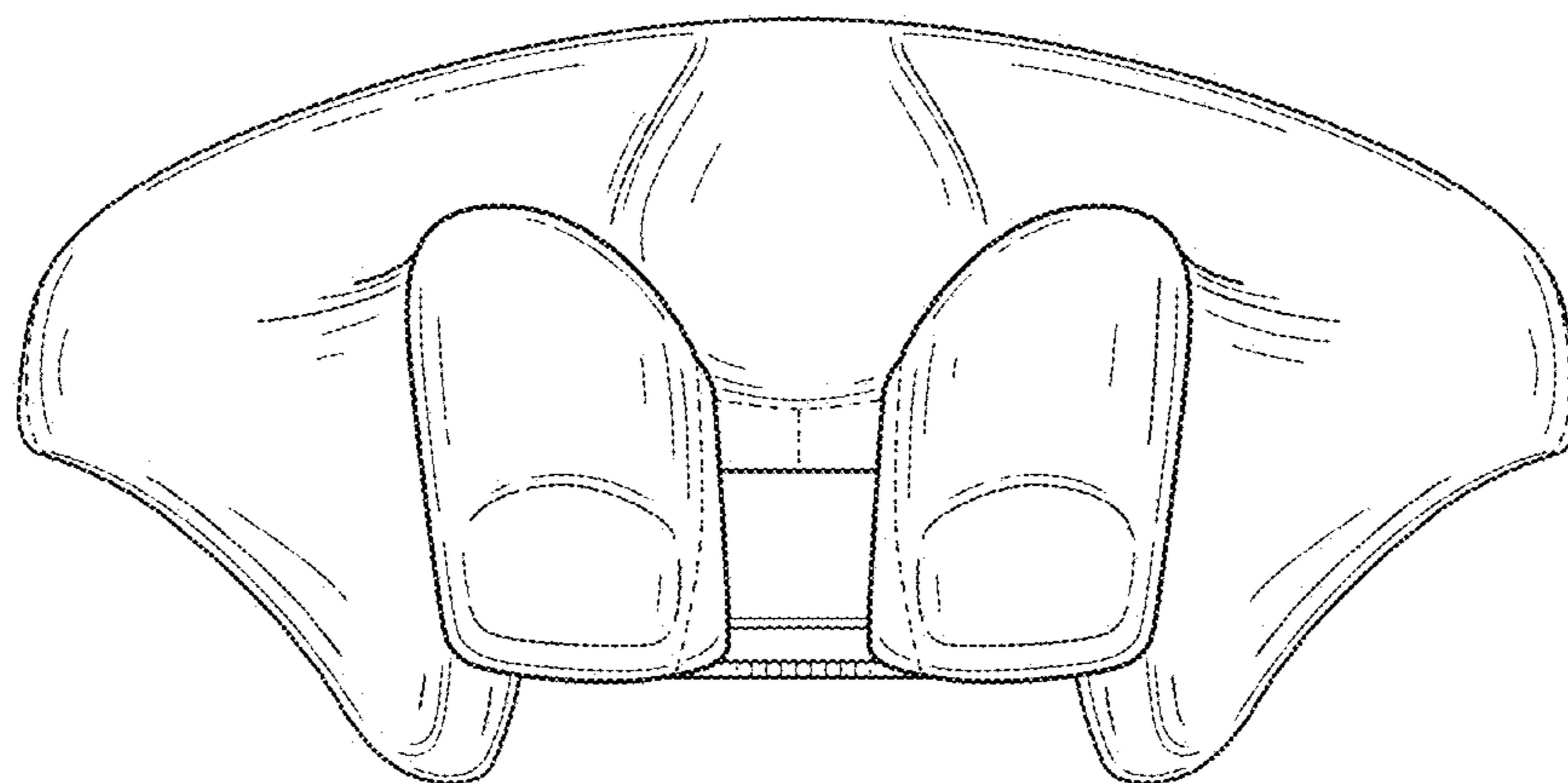


FIG. 6

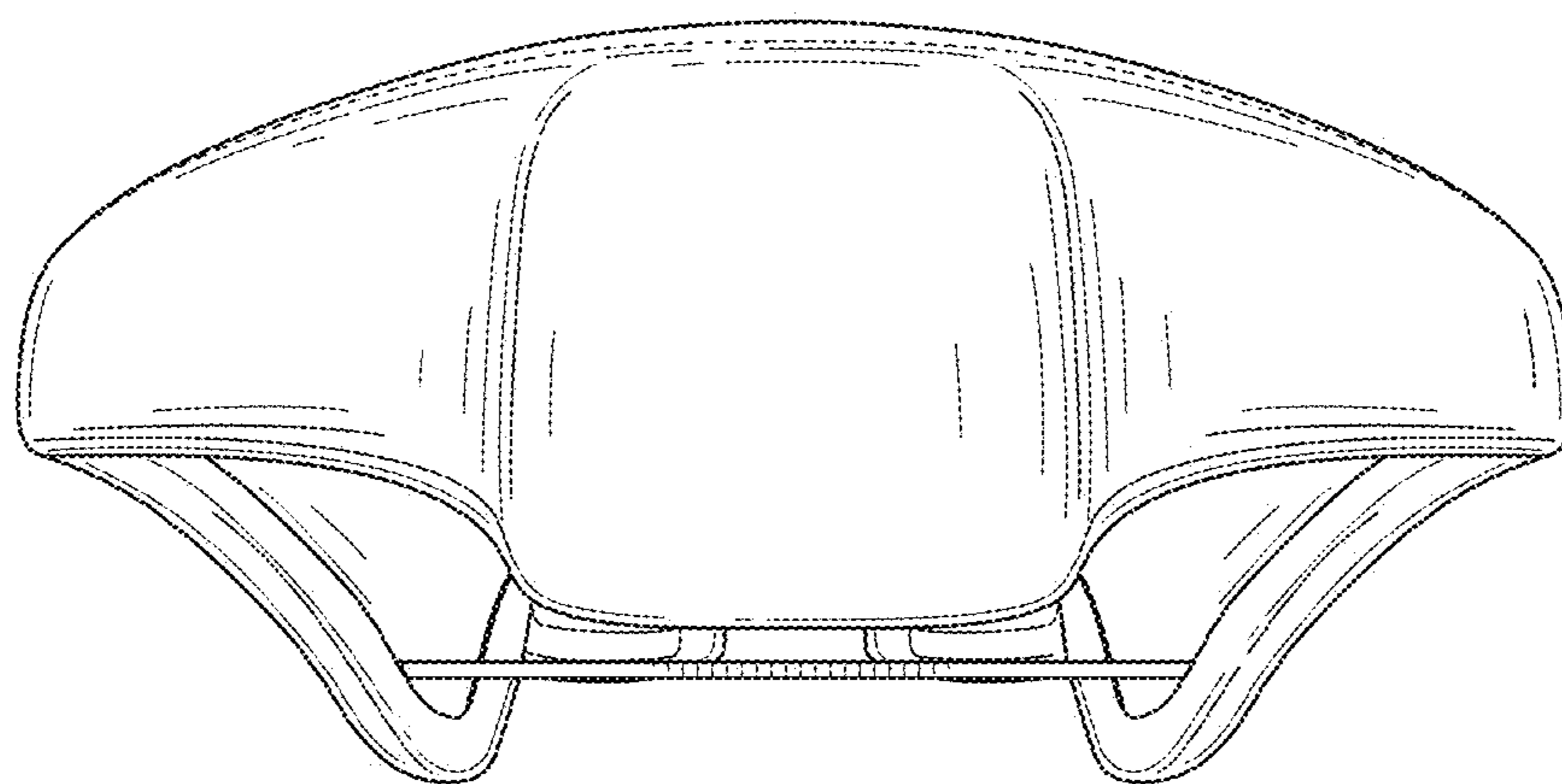


FIG. 7