



US00D557417S

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

(10) **Patent No.:** **US D557,417 S**

(45) **Date of Patent:** **** Dec. 11, 2007**

(54) **DISK PROSTHESIS**

(75) Inventor: **Walter W. Eckman**, Tupelo, MS (US)

(73) Assignee: **Concept Matrix, LLC**, Orlando, FL (US)

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

(21) Appl. No.: **29/248,994**

(22) Filed: **Sep. 14, 2006**

Related U.S. Application Data

(60) Continuation of application No. 11/370,537, filed on Mar. 8, 2006, which is a division of application No. 10/345,634, filed on Jan. 16, 2003, now Pat. No. 7,011,684.

(51) **LOC (8) Cl.** **24-03**

(52) **U.S. Cl.** **D24/155**

(58) **Field of Classification Search** D24/155-157, D24/107; 623/1.13-1.23; 372/94; 606/61; 604/1.02, 103.02; D21/712

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 4,349,921 A 9/1982 Kuntz
- 4,545,374 A 10/1985 Jacobson
- 4,936,848 A 6/1990 Bagby
- 4,961,740 A 10/1990 Ray et al.
- 5,258,031 A 11/1993 Salib et al.
- 5,425,773 A 6/1995 Boyd et al.
- D371,178 S * 6/1996 Pearson D21/712
- 5,522,899 A 6/1996 Michelson
- 5,549,679 A 8/1996 Kuslich
- 5,562,738 A 10/1996 Boyd et al.
- 5,571,189 A 11/1996 Kuslich
- D377,095 S 12/1996 Michelson
- D377,096 S 12/1996 Michelson

- D377,527 S * 1/1997 Michelson D24/155
- 5,593,409 A 1/1997 Michelson
- 5,609,635 A 3/1997 Michelson
- 5,645,596 A 7/1997 Kim et al.
- 5,669,909 A 9/1997 Zdeblick et al.

(Continued)

FOREIGN PATENT DOCUMENTS

GB 2097594 * 2/2001

(Continued)

OTHER PUBLICATIONS

Helmut D. Link et al., "Link(R) SB Charite Artificial Disc: History, Design & Biomechanics", Spinal Restabilization Procedures, Edited by D.L. Kaech and J.R. Jenkins, pp. 293-298, (2002), Berlin, Germany.

(Continued)

Primary Examiner—Charles Rademaker

(74) *Attorney, Agent, or Firm*—Akin Gump Strauss Hauer & Feld LLP

(57) **CLAIM**

The ornamental design for a disk prosthesis, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a disc prosthesis showing my new design;

FIG. 2 is a left side elevation thereof;

FIG. 3 is a right side elevation thereof;

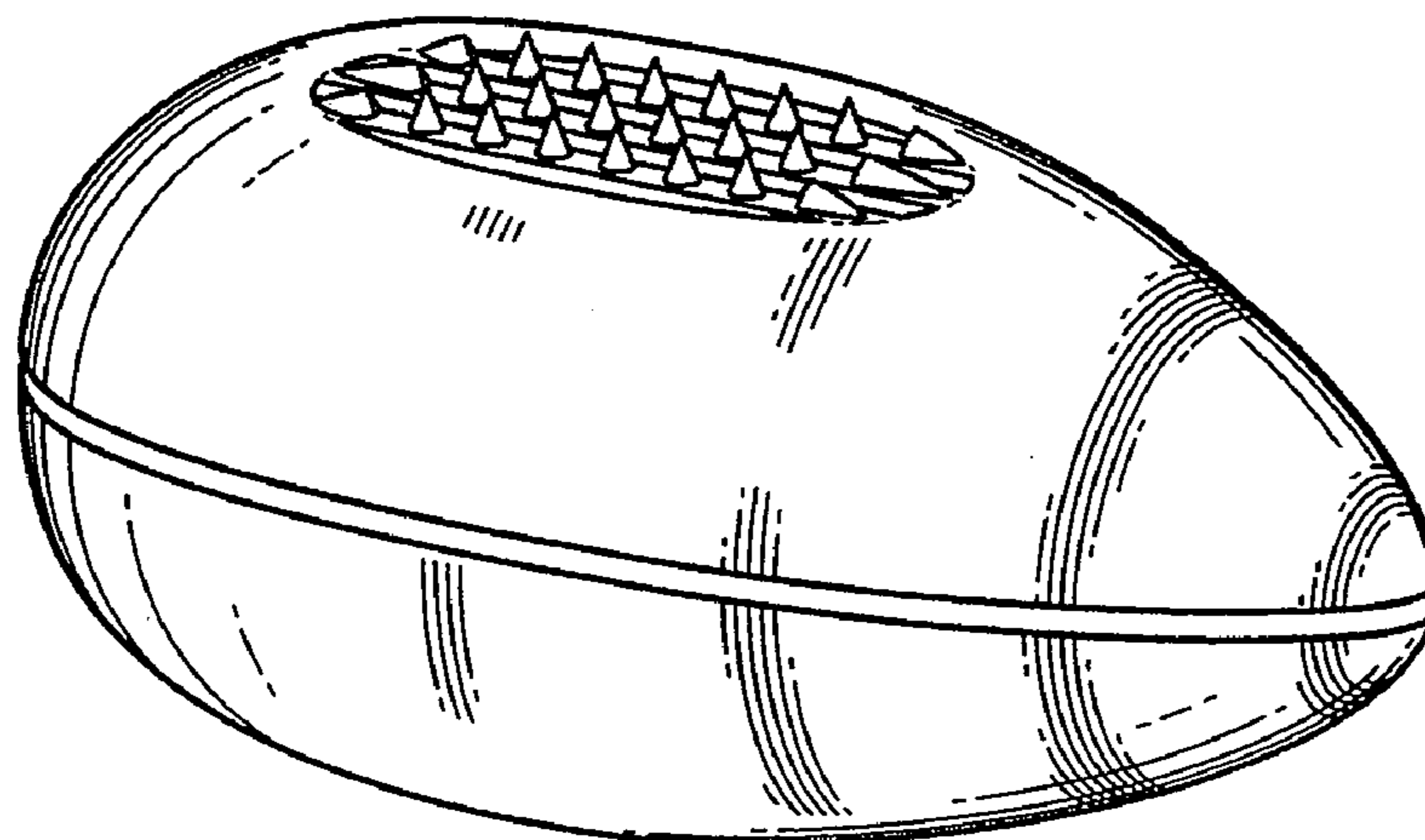
FIG. 4 is a bottom plan thereof;

FIG. 5 is a top plan view thereof;

FIG. 6 is a rear elevation thereof; and,

FIG. 7 is a front elevation thereof.

1 Claim, 3 Drawing Sheets



US D557,417 S

Page 2

U.S. PATENT DOCUMENTS

5,674,296 A 10/1997 Bryan et al.
5,702,449 A 12/1997 McKay
5,776,199 A 7/1998 Michelson
5,785,710 A 7/1998 Michelson
5,865,846 A 2/1999 Bryan et al.
5,888,223 A 3/1999 Bray, Jr.
5,888,226 A 3/1999 Rogozinski
5,984,967 A 11/1999 Zdeblick et al.
6,039,762 A 3/2000 McKay
6,039,763 A 3/2000 Shelokov
D425,989 S 5/2000 Michelson
6,113,637 A 9/2000 Gill et al.
6,136,031 A 10/2000 Middleton
6,159,215 A 12/2000 Urbahns et al.
6,174,334 B1 1/2001 Suddaby
6,270,528 B1 8/2001 McKay
D450,123 S * 11/2001 Atkin et al. D24/155
6,315,797 B1 11/2001 Middleton
6,325,827 B1 12/2001 Lin
6,419,705 B1 7/2002 Erickson
6,425,920 B1 7/2002 Hamada
6,447,547 B1 9/2002 Michelson
6,454,805 B1 9/2002 Baccelli et al.
6,468,311 B2 10/2002 Boyd et al.
6,478,823 B1 11/2002 Michelson
D483,822 S * 12/2003 Pelfrey D21/712
6,902,581 B2 * 6/2005 Walkenhorst et al. 623/17.16

7,011,684 B2 * 3/2006 Eckman 623/17.16
2002/0035400 A1 3/2002 Bryan et al.
2004/0034422 A1 2/2004 Erico et al.
2005/0192671 A1 9/2005 Bao et al.

FOREIGN PATENT DOCUMENTS

WO 96/40014 A1 12/1996
WO 97/14377 A1 4/1997
WO 99/32054 A1 7/1999

OTHER PUBLICATIONS

Paul C. McAfee, Artificial Disc Prosthesis: The Link SB Charite III (TM), Spinal Restabilization procedures, edited by D.L. Kaech and J.R. Jinkins, pp. 299-301, (2002), Towson, MD.
"Prodisc" Brochure, Spine Solutions, new York, NY.
"Is Fusion Still Today's Gold Standard" "Link (R) SB Charite (TM) Artificial Disc" brochure, Maintaining Natural Mobility, Link Spine Group, Branford, CT.
"Prodisc" Brochure, Spine Solutions: The Non-Fusion Technology Company.
Anthony G. Viscogliosi, et al., "Spine Arthroplasty", Spine Industry Analysis Series, Viscogliosi Bros., LLC., Nov. 2001.
Depraetere, P., et al., Interbody Cages in PLIF Surgery: A Multicentric Report, Journal of Musculoskeletal Research, vol. 2, No. 2 (1998), pp. 9-14.

* cited by examiner

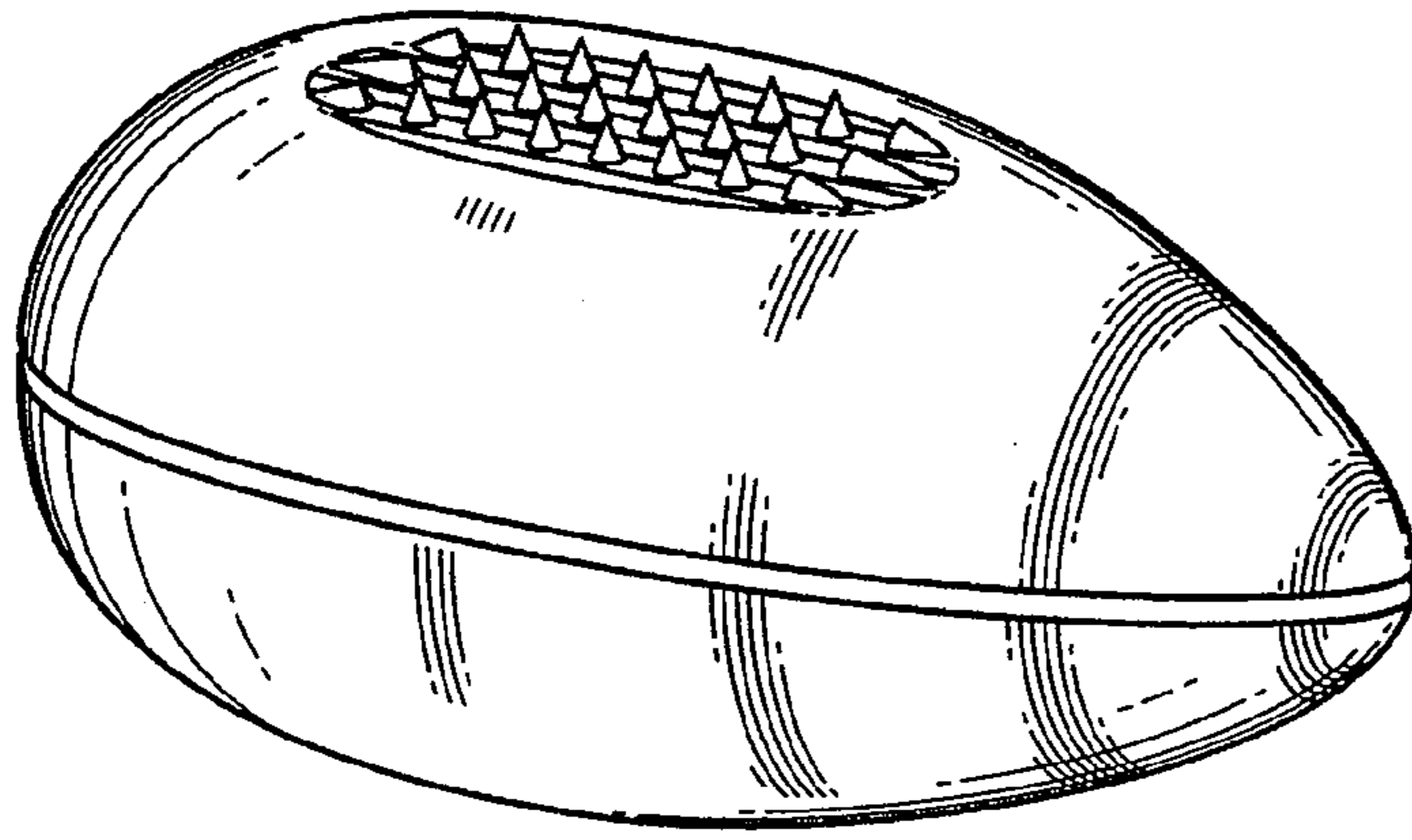


FIG. 1

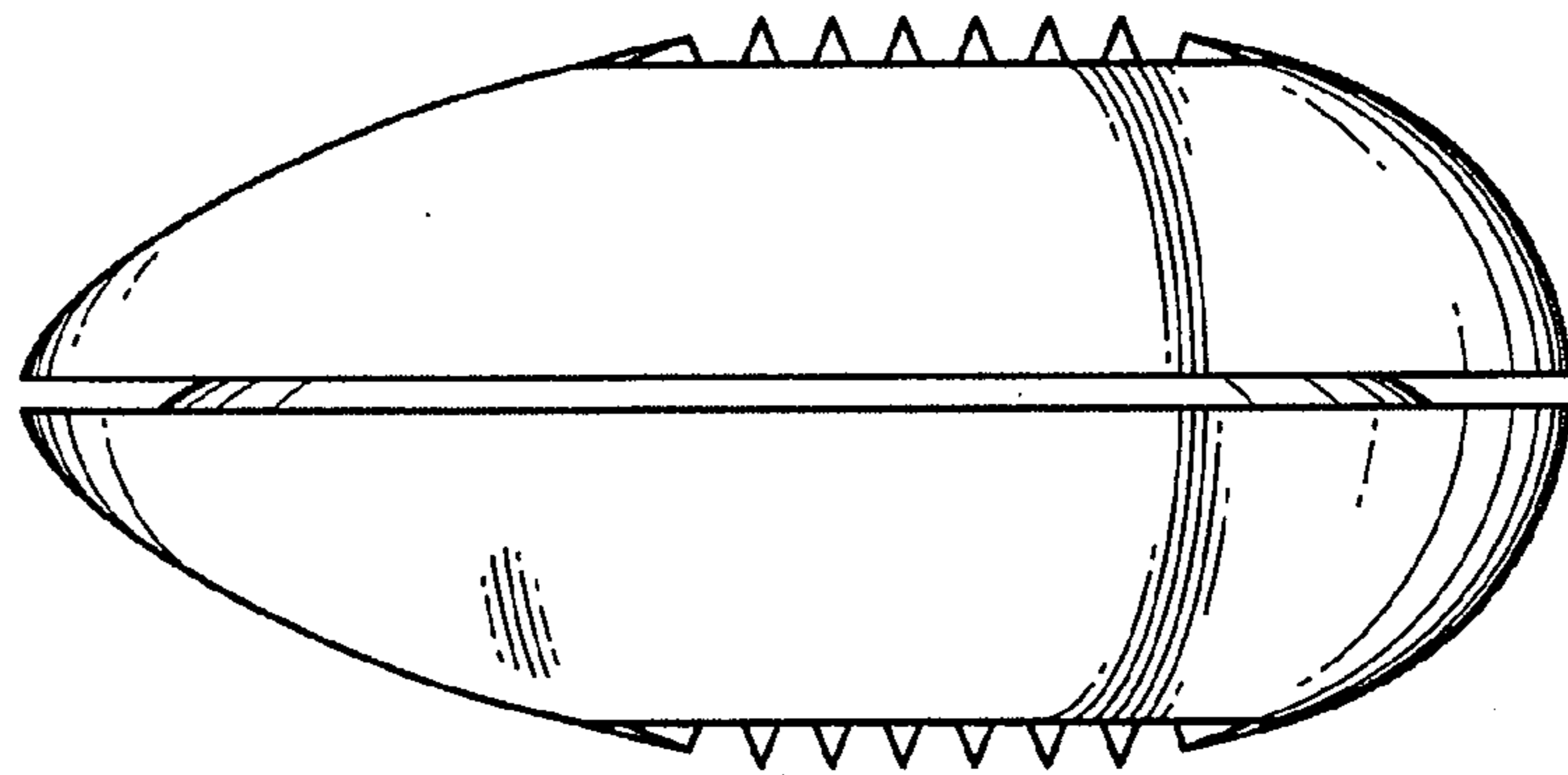


FIG. 2

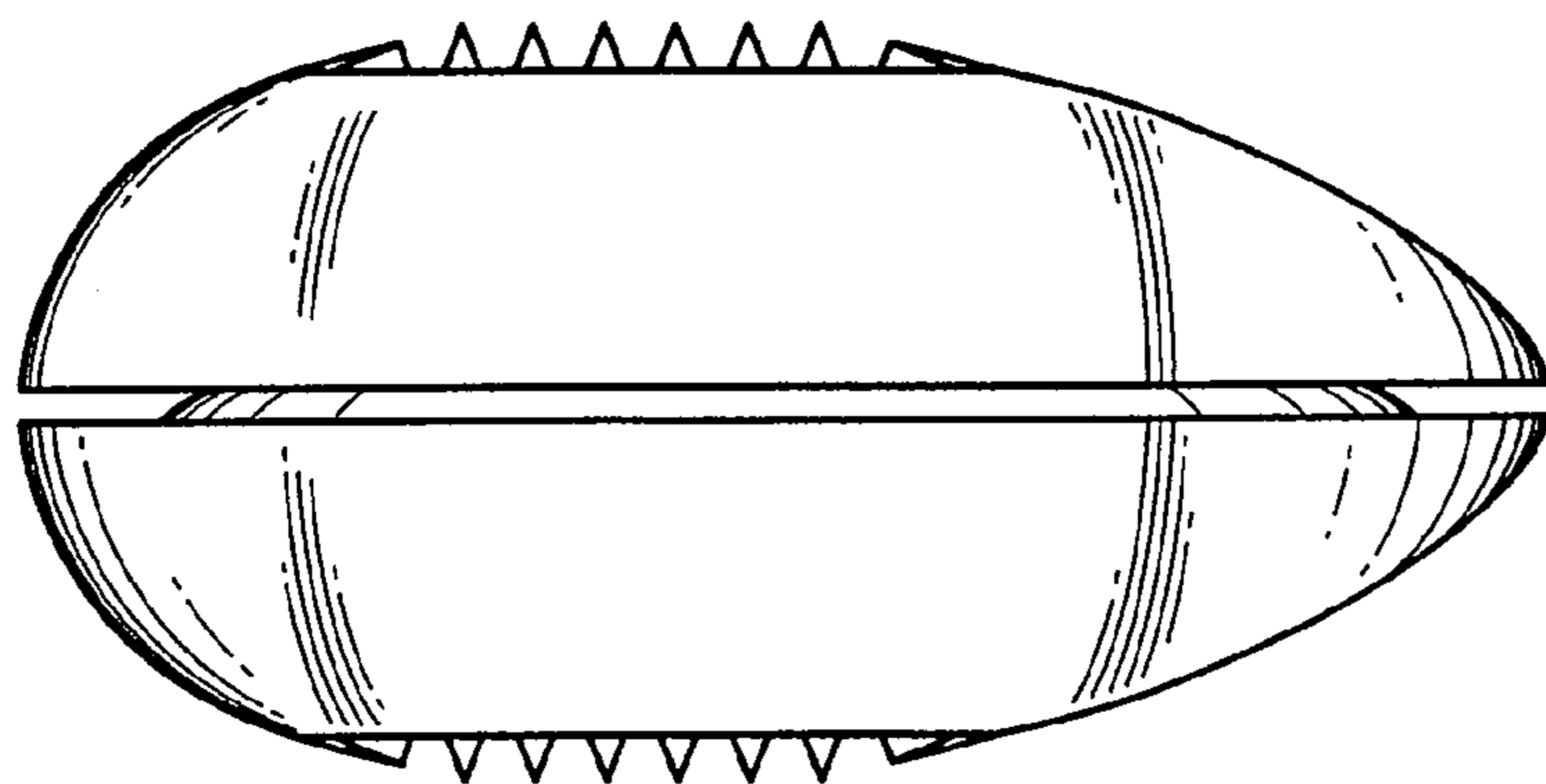


FIG. 3

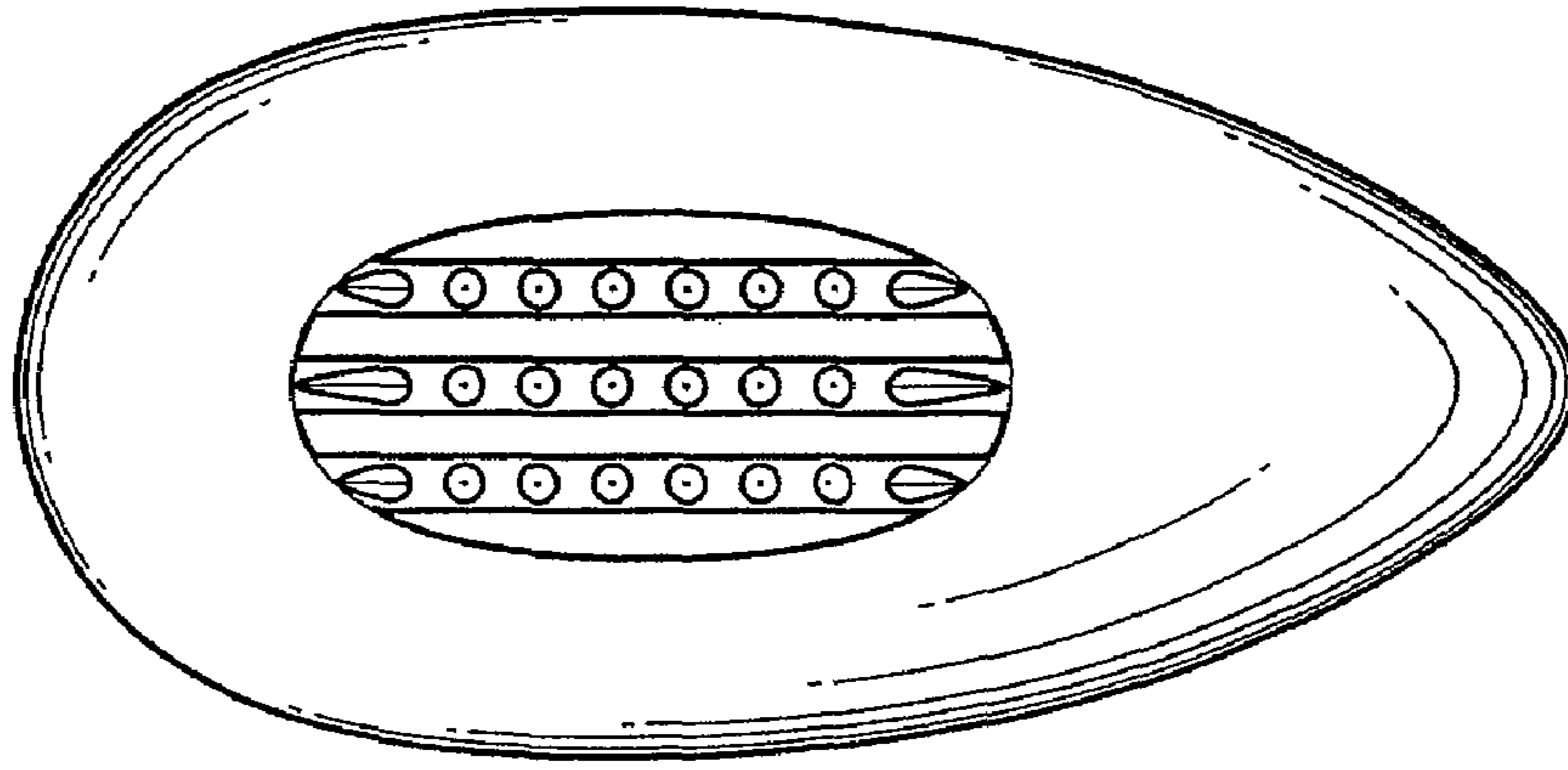


FIG. 4

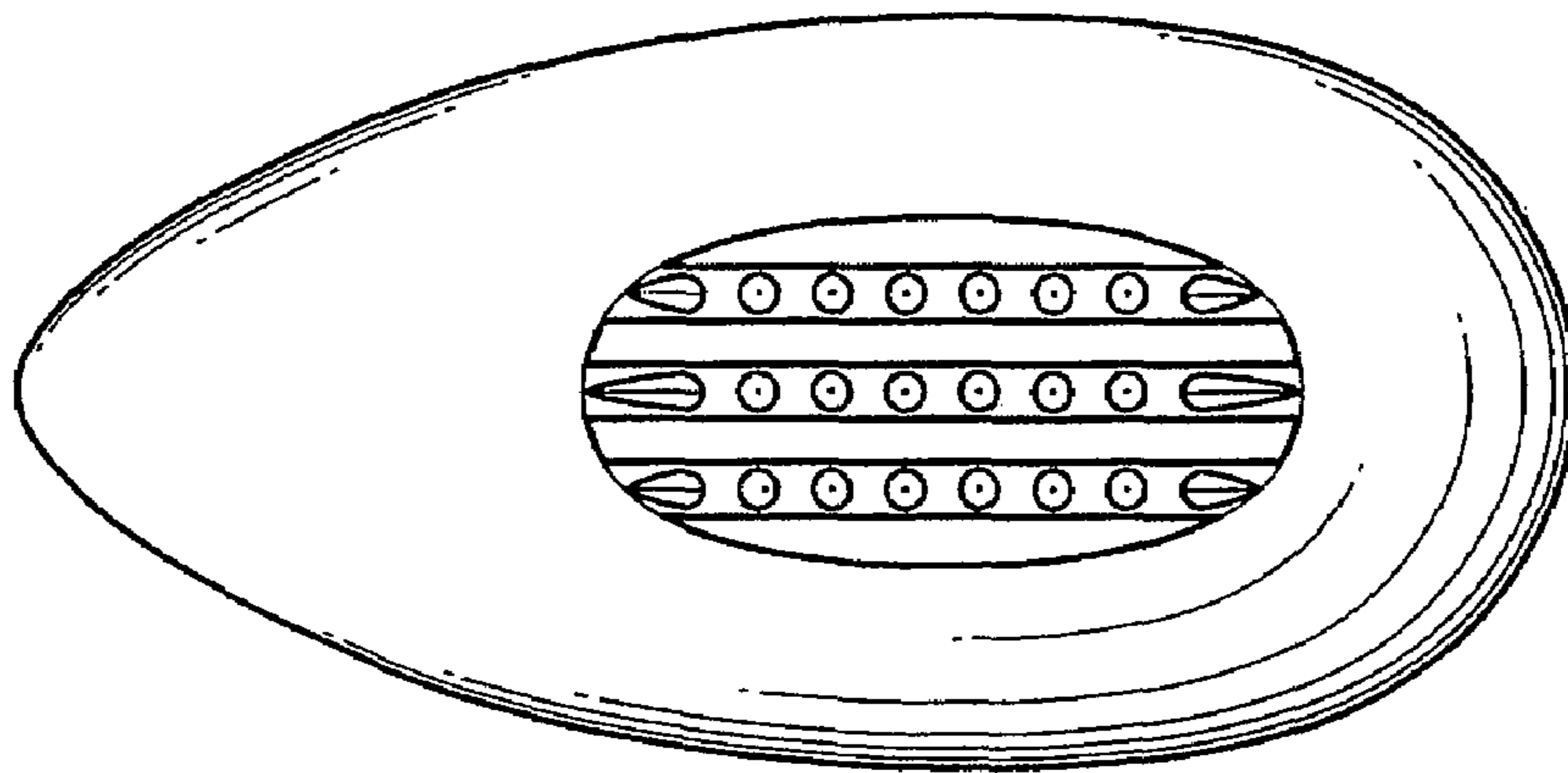


FIG. 5

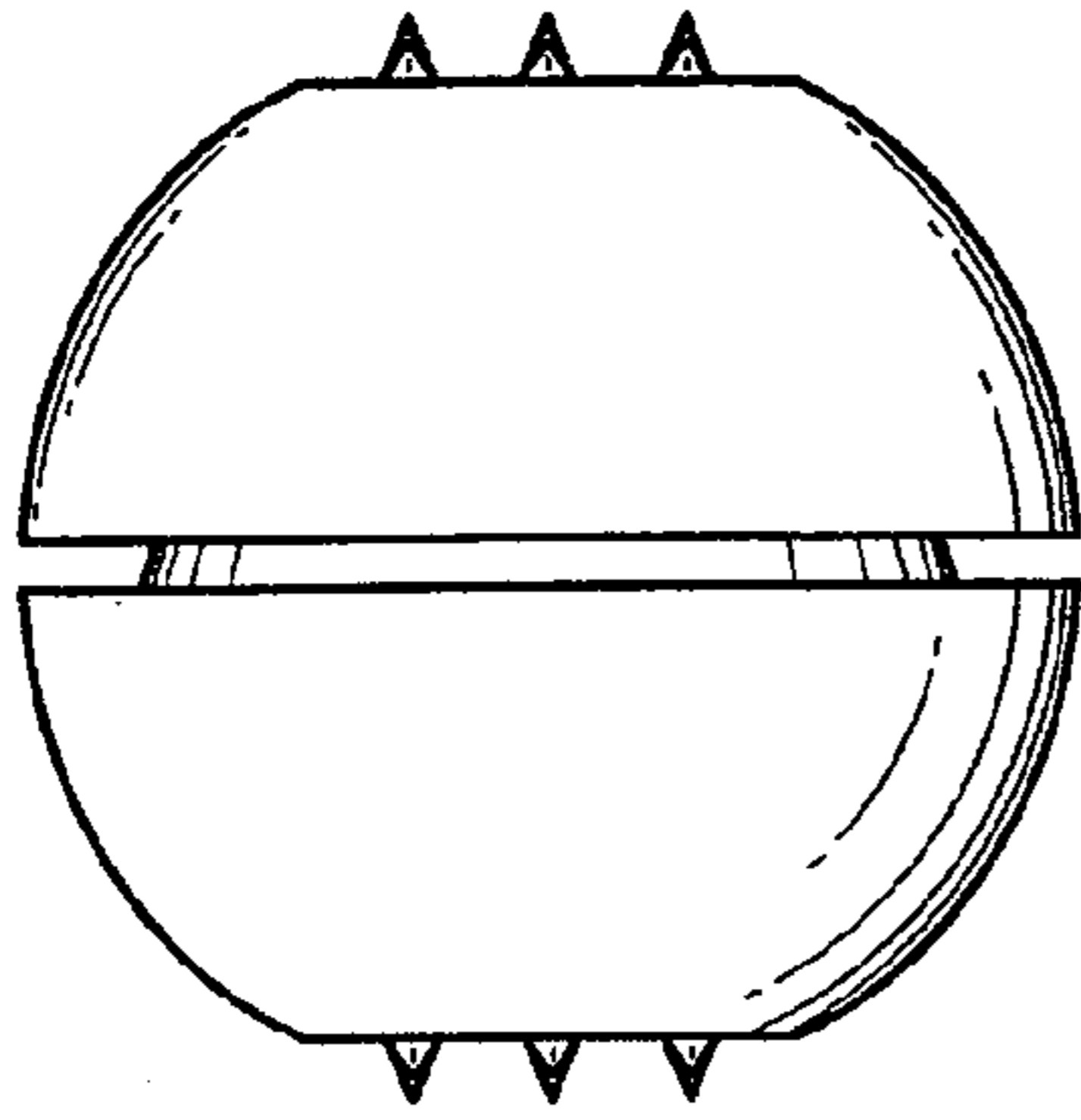


FIG. 6

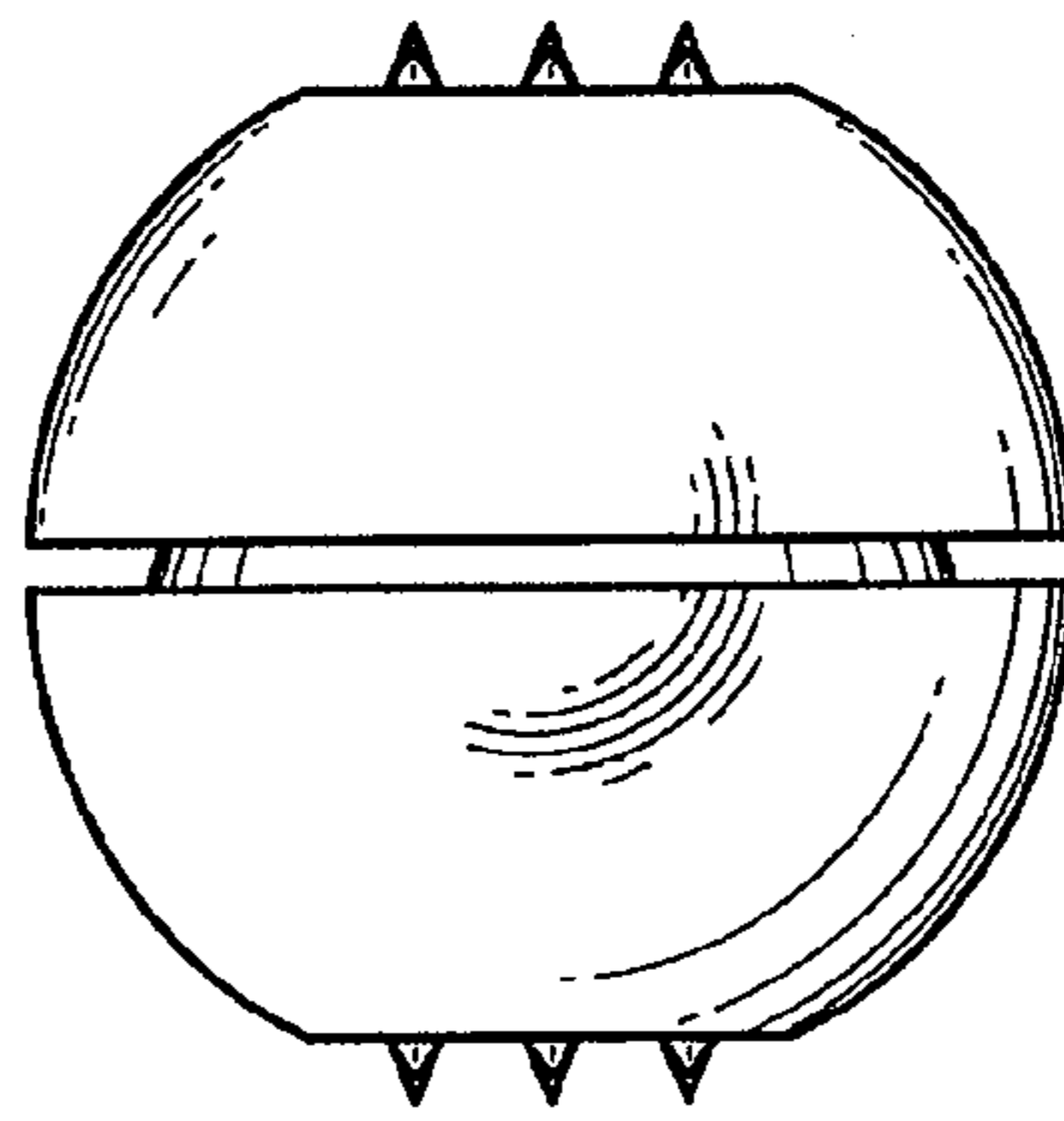


FIG. 7