



US00D831197S

(12) **United States Design Patent**
Scruggs et al.

(10) **Patent No.:** **US D831,197 S**
(45) **Date of Patent:** **** Oct. 16, 2018**

(54) **BIOLOGICAL FLUID COLLECTION DEVICE**

(71) Applicant: **SCANADU INCORPORATED**,
Sunnyvale, CA (US)

(72) Inventors: **Emma Scruggs**, Sunnyvale, CA (US);
Manuel Pelaez, Stockton, CA (US);
Kai Nakamura, Sunnyvale, CA (US);
Scott Gerald Thomas, Oakland, CA
(US)

(73) Assignee: **Scanadu Incorporated**, Sunnyvale, CA
(US)

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

(21) Appl. No.: **29/600,352**

(22) Filed: **Apr. 11, 2017**

(51) **LOC (11) Cl.** **24-04**

(52) **U.S. Cl.**
USPC **D24/122**

(58) **Field of Classification Search**
USPC D24/121-123, 112, 207, 216, 224;
604/317, 318, 334; 600/573, 574;
D9/716, 524, 435, 441, 447, 431;
D7/509-511, 309, 305, 900, 538, 539,
D7/321, 700; D23/274, 302, 295, 309,
D23/200; 4/144.1-144.4, 459, 460;
229/138
CPC A61F 5/4556; A61F 5/3746; A61F 5/455;
A47K 11/12; A61M 1/00; A61B 10/007
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

698,419 A 4/1902 Taylor
D46,262 S 8/1914 Meinecke
1,657,975 A 1/1928 Shiells
1,928,170 A * 9/1933 Dwork A61F 5/455
4/144.4

D158,985 S 6/1950 Lorenzen
2,559,027 A 7/1951 Miralta-Seix
2,734,198 A 2/1956 Kutsche
D178,749 S 9/1956 Bachechi
2,936,920 A 5/1960 Wallace
D195,930 S 8/1963 Hill
3,131,403 A 5/1964 Hill
3,161,891 A * 12/1964 Bauman A61B 10/007
600/574
3,171,136 A 3/1965 Gibson
3,329,973 A 7/1967 Bobbe
D208,609 S 9/1967 Garland
D215,566 S 10/1969 Gilson
3,485,233 A 12/1969 Cord
3,625,654 A 12/1971 Van Duyne

(Continued)

Primary Examiner — David Muller

Assistant Examiner — Nathan Johnston

(74) *Attorney, Agent, or Firm* — Alford Law Group, Inc.;
William E. Alford

(57) **CLAIM**

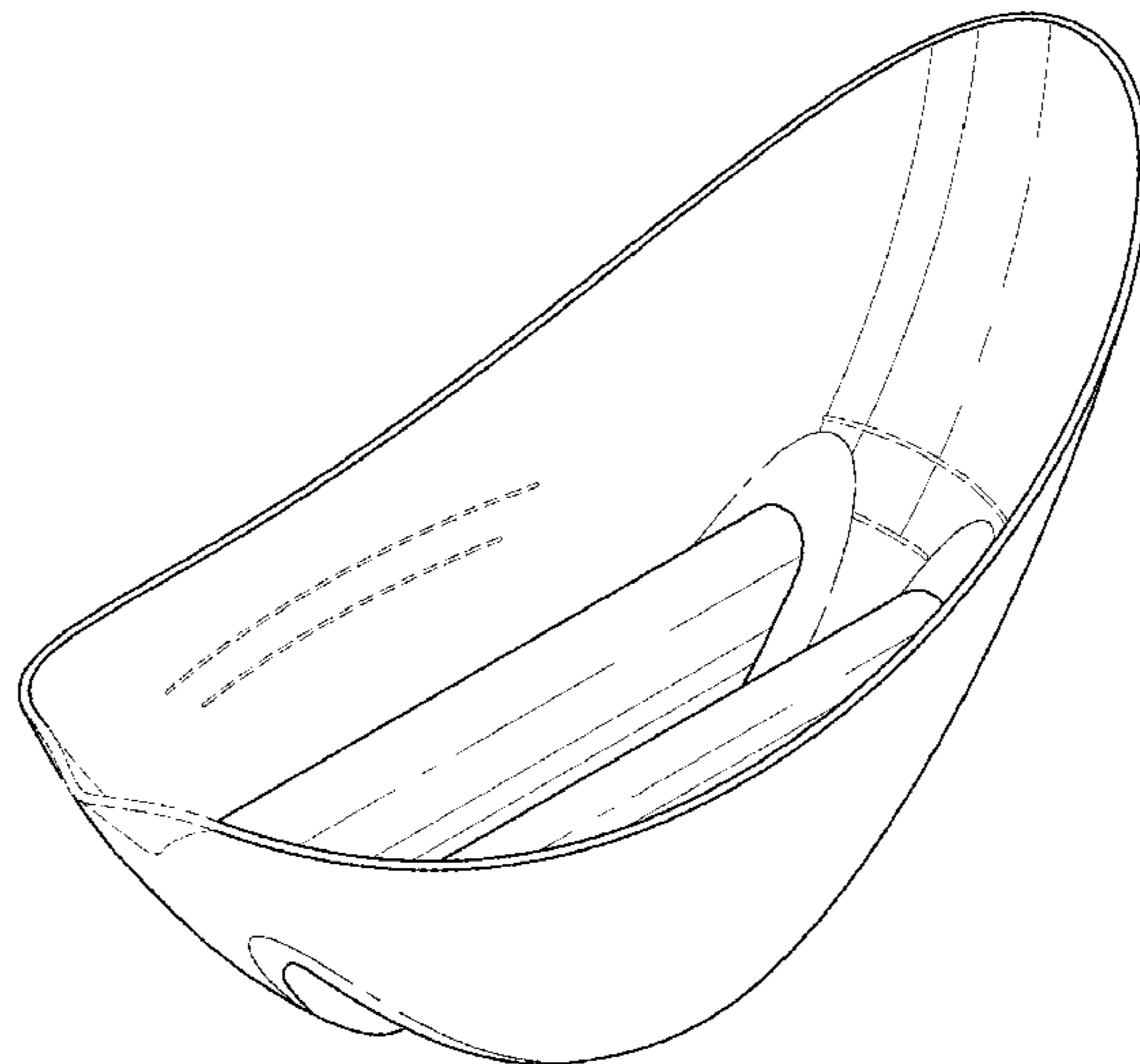
The ornamental design for a biological fluid collection device, substantially as shown.

DESCRIPTION

FIG. 1 is a top front right perspective view for a biological fluid collection device showing our new design; FIG. 2 is a top rear left perspective view thereof; FIG. 3 is a bottom rear left perspective view thereof; FIG. 4 is a bottom front right perspective view thereof; FIG. 5 is a right side elevation view thereof; FIG. 6 is a left side elevation view thereof; FIG. 7 is a front side elevation view thereof; FIG. 8 is a rear side elevation view thereof; FIG. 9 is a top plan view thereof; and, FIG. 10 is a bottom plan view thereof.

All broken lines represent unclaimed environmental matter. The broken lines form no part of the claim.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

3,711,871 A 1/1973 Sherin
 3,774,455 A 11/1973 Seidler et al.
 3,811,136 A 5/1974 Whitney et al.
 4,409,989 A 10/1983 Larribas
 D290,880 S * 7/1987 Blanton D24/122
 D293,377 S 12/1987 Chadbourne
 D303,573 S * 9/1989 Parrish D24/122
 4,937,889 A 7/1990 Strickland
 5,069,878 A * 12/1991 Ehrenkranz A61B 10/007
 600/573
 5,091,998 A * 3/1992 Witzke A61F 5/4556
 141/333
 D326,519 S 5/1992 Drysdale
 D336,129 S * 6/1993 Rawlinson D24/122
 D339,861 S * 9/1993 Da Silva D23/302
 D340,768 S 10/1993 Jabour
 D348,731 S 6/1994 Crawford
 D372,962 S * 8/1996 Thomas D23/302
 D376,201 S 12/1996 Norton
 D388,874 S 1/1998 Lewandowski et al.
 D390,668 S 2/1998 Lewandowski et al.
 D406,644 S * 3/1999 Keppler D23/302
 5,894,608 A * 4/1999 Birbara A47K 11/12
 4/144.3
 D409,747 S * 5/1999 Aiken D24/122
 D436,166 S 1/2001 Berkey
 D441,075 S * 4/2001 Nara D24/122
 D444,561 S * 7/2001 Stein D24/189

D449,105 S * 10/2001 Azo D24/122
 6,299,606 B1 * 10/2001 Young A61B 10/007
 604/317
 6,375,897 B1 4/2002 Bachand
 D457,237 S * 5/2002 Azo D24/122
 D466,210 S * 11/2002 Levinson D24/122
 D467,338 S * 12/2002 Rehrig D24/122
 D471,977 S * 3/2003 Levinson D24/122
 D488,226 S * 4/2004 MacDonald D24/122
 6,719,741 B2 * 4/2004 Ching A61F 5/4556
 604/329
 D497,425 S 10/2004 McQuaid
 D499,180 S * 11/2004 Best D24/122
 6,908,441 B1 * 6/2005 Bernard A61B 10/007
 600/574
 D567,368 S 4/2008 Guptill
 D577,435 S * 9/2008 Ivie D24/122
 D579,557 S 10/2008 Washington
 D597,203 S 7/2009 Tauer
 D604,843 S * 11/2009 Braynin D24/133
 D607,995 S * 1/2010 Miller D24/122
 D612,490 S 3/2010 Morovati
 7,694,819 B2 * 4/2010 Montakhabi A61F 5/4556
 206/499
 D669,169 S 10/2012 Washington et al.
 8,337,477 B2 * 12/2012 Parks A61F 5/4556
 604/329
 D709,185 S 7/2014 Queiroli
 D744,641 S 12/2015 Aiken
 D776,807 S 1/2017 Chacchia
 2009/0118642 A1 5/2009 Washington
 * cited by examiner

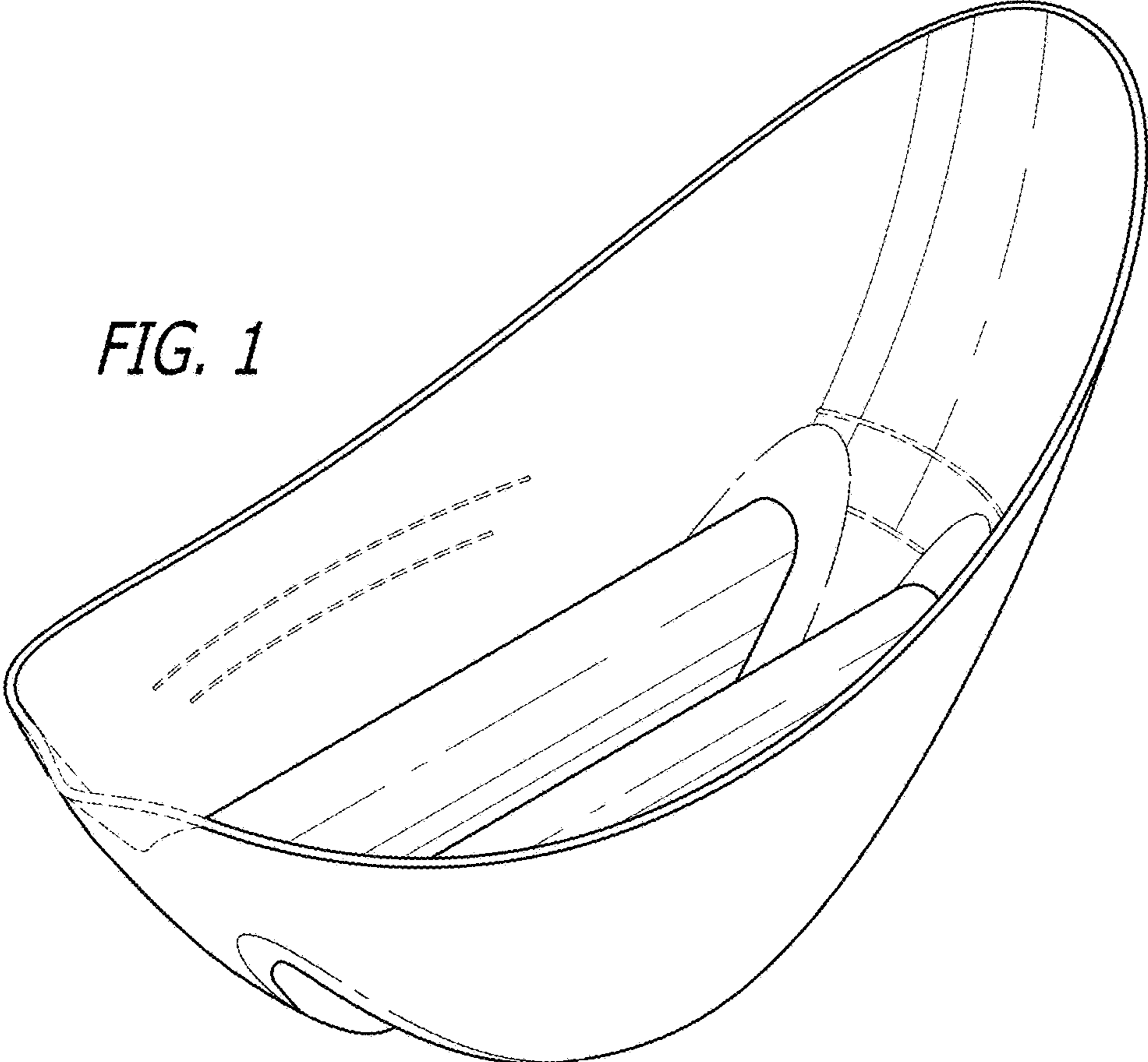


FIG. 1

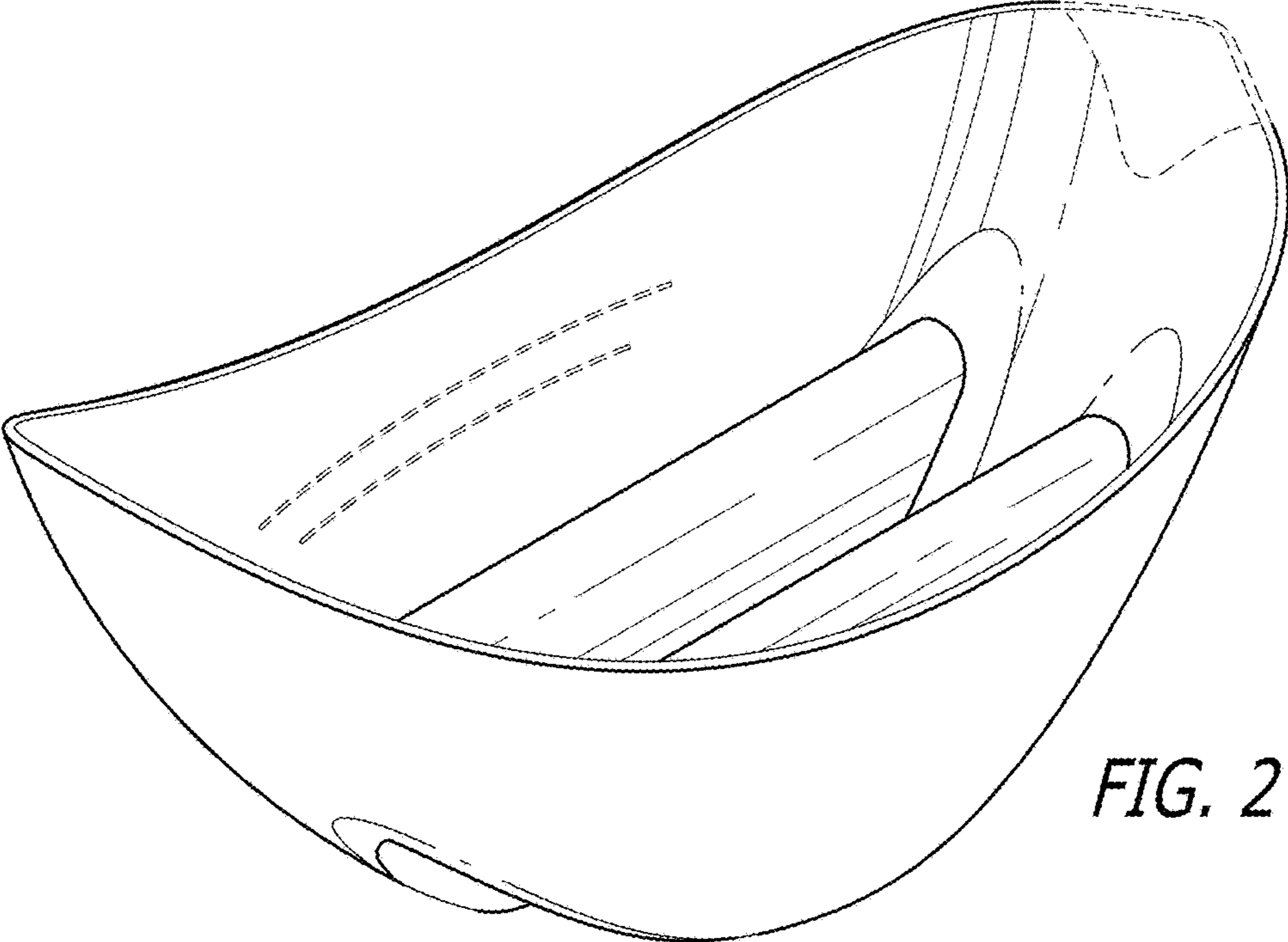
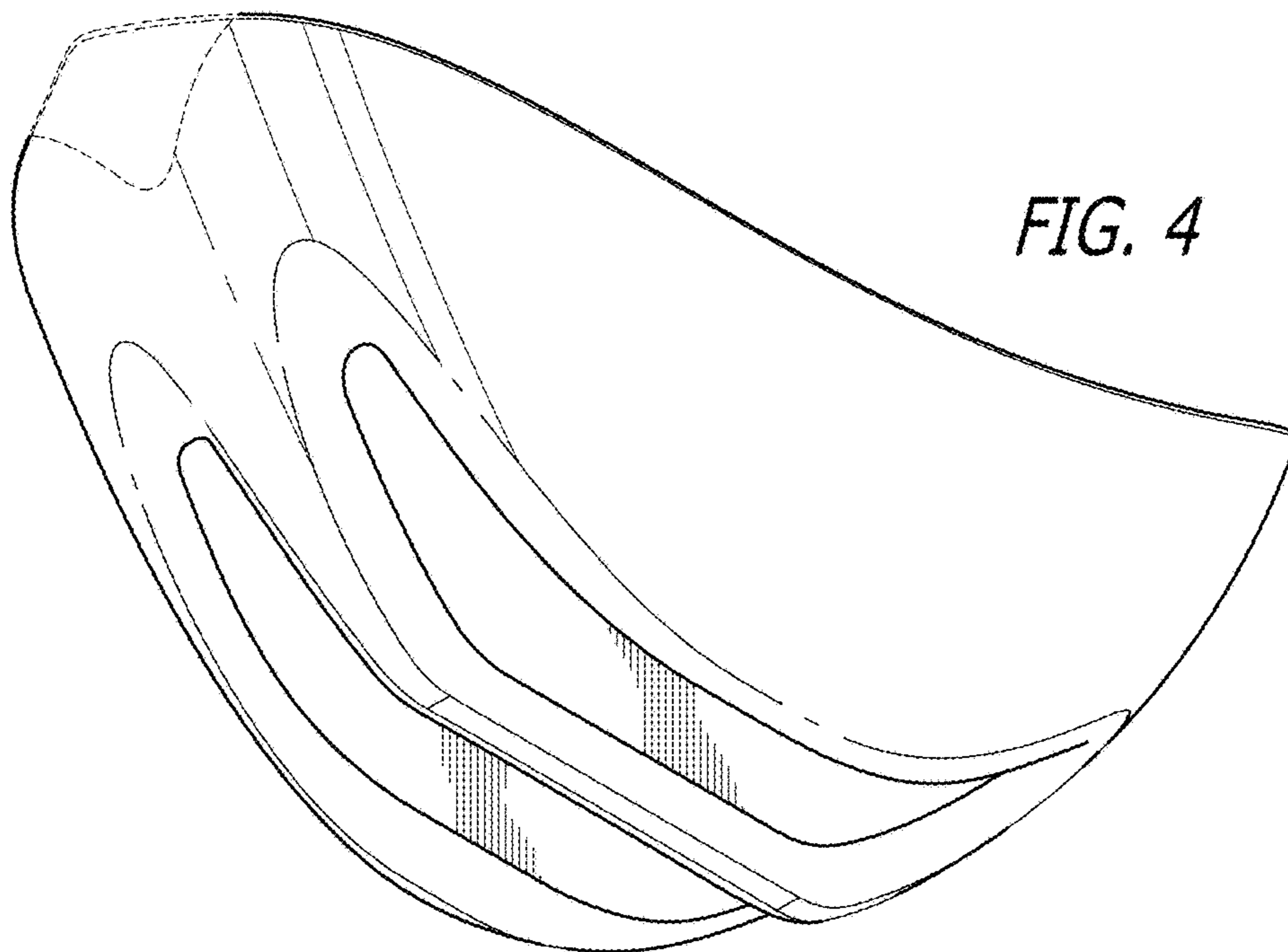
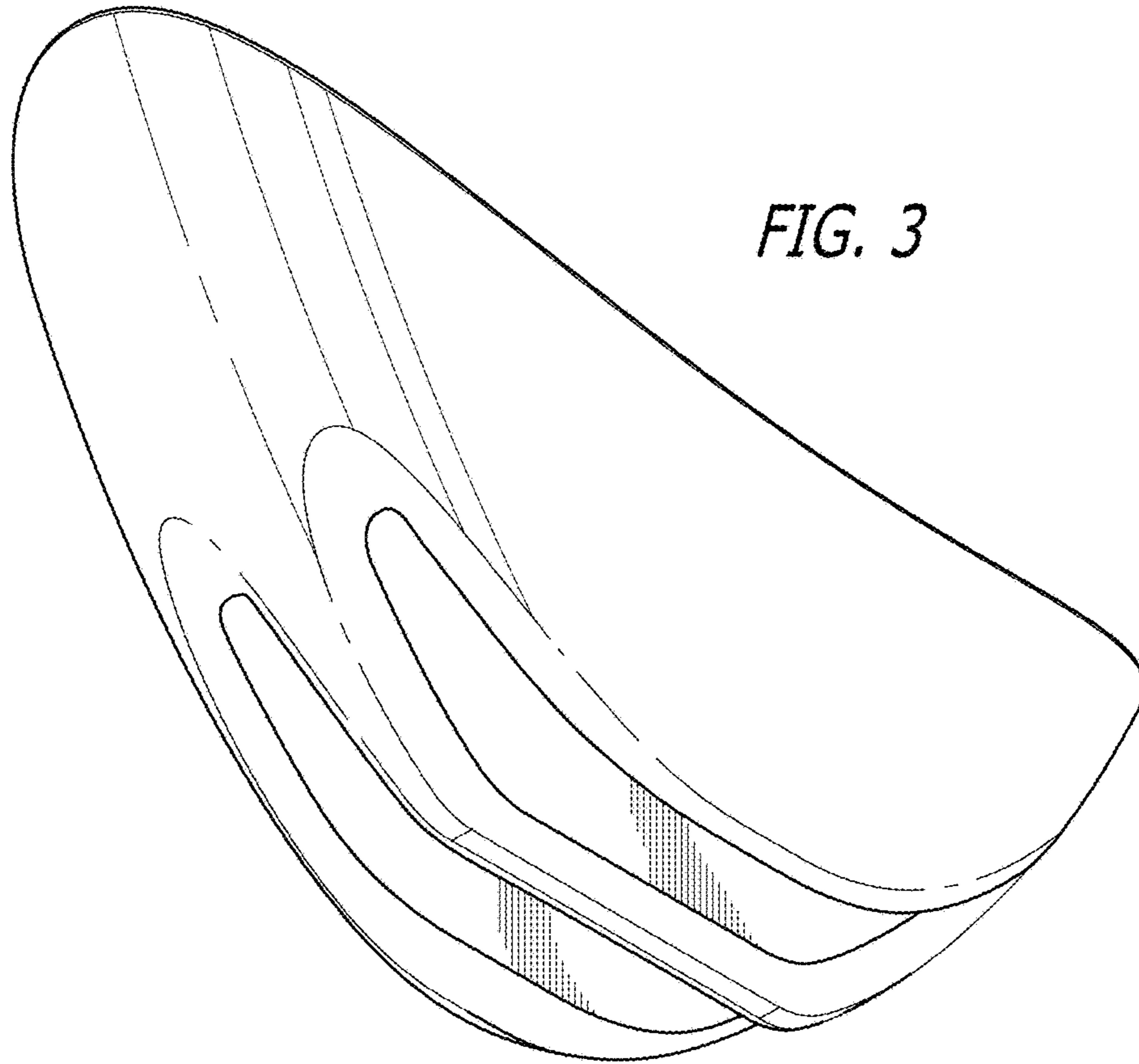


FIG. 2



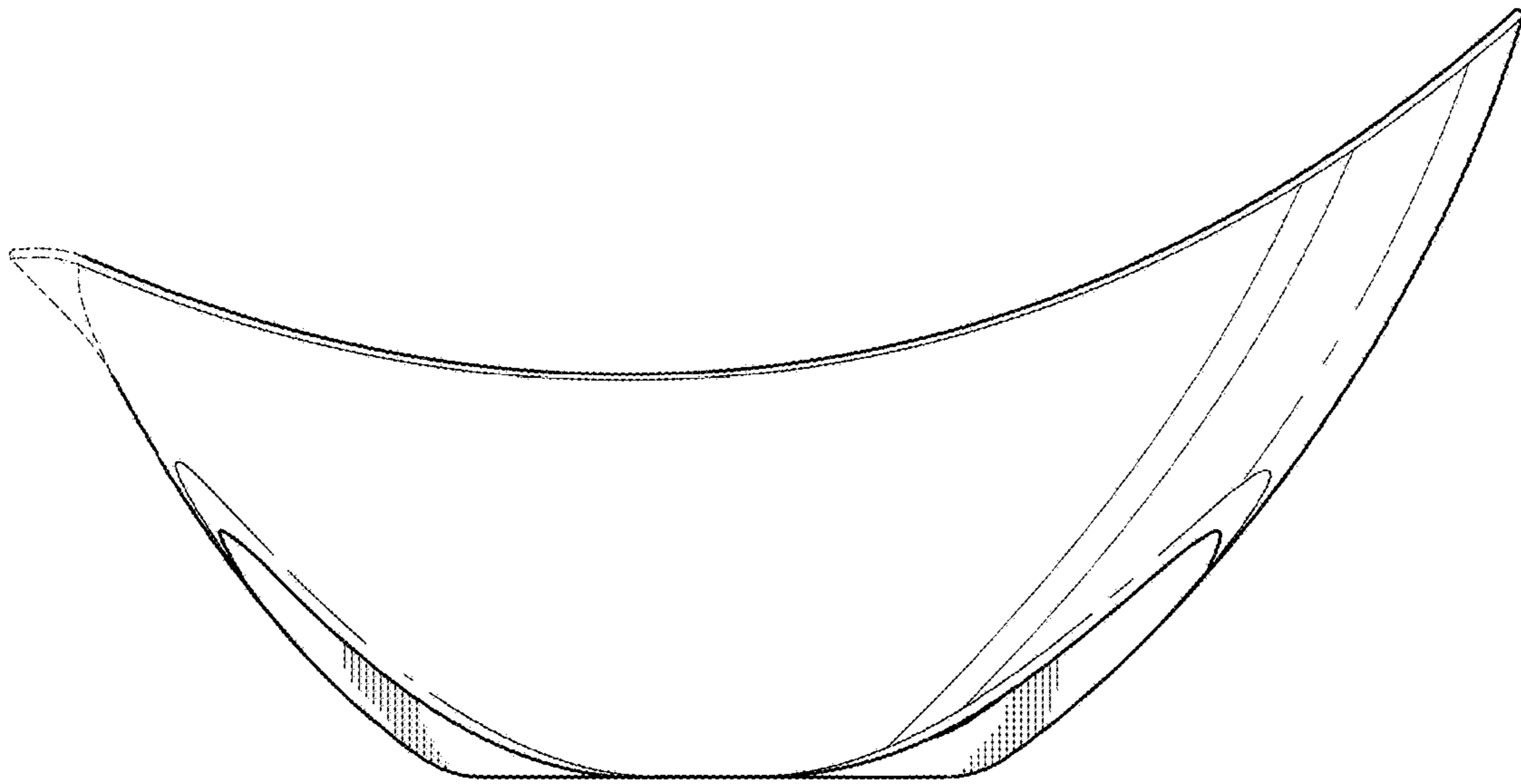


FIG. 5

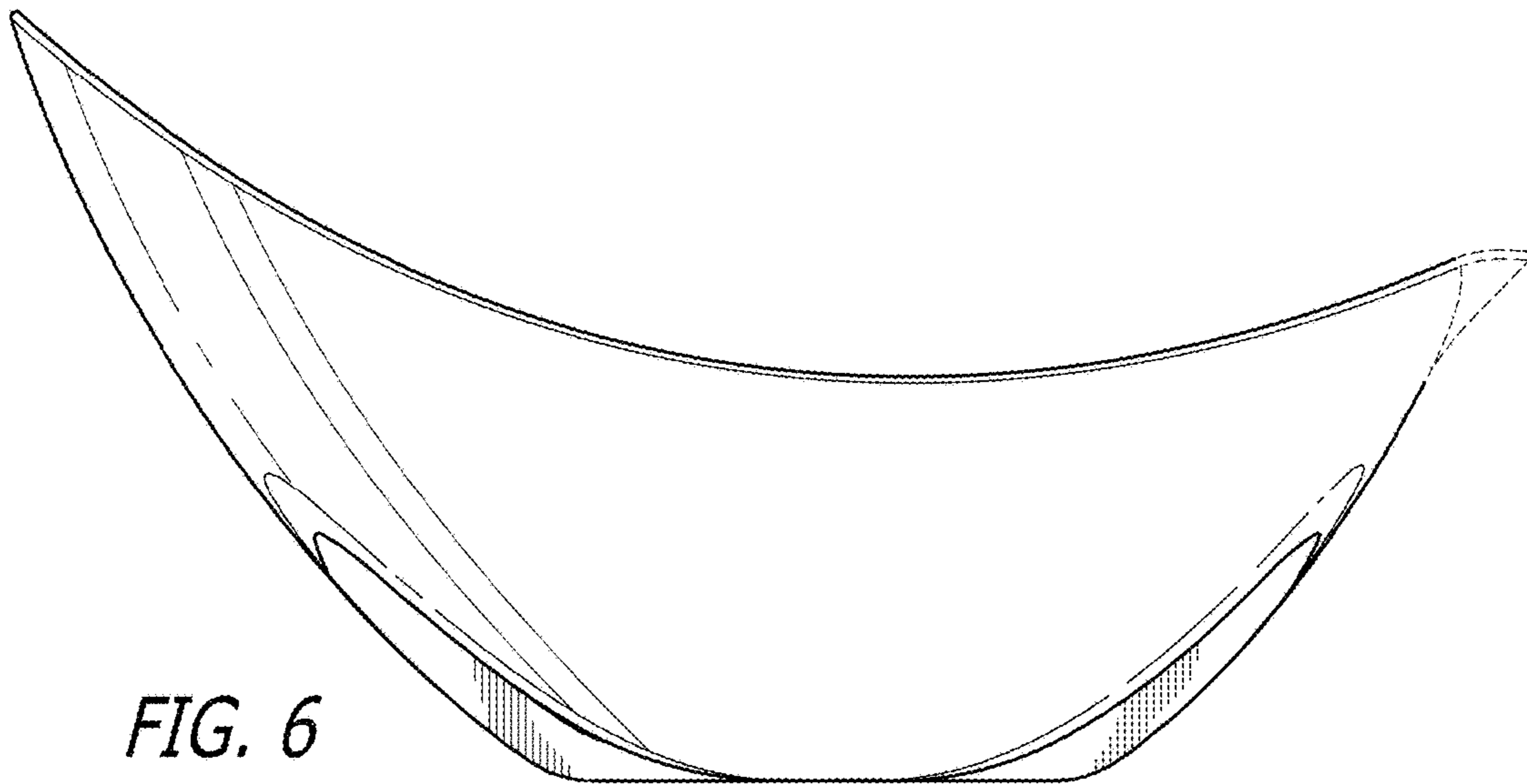


FIG. 6

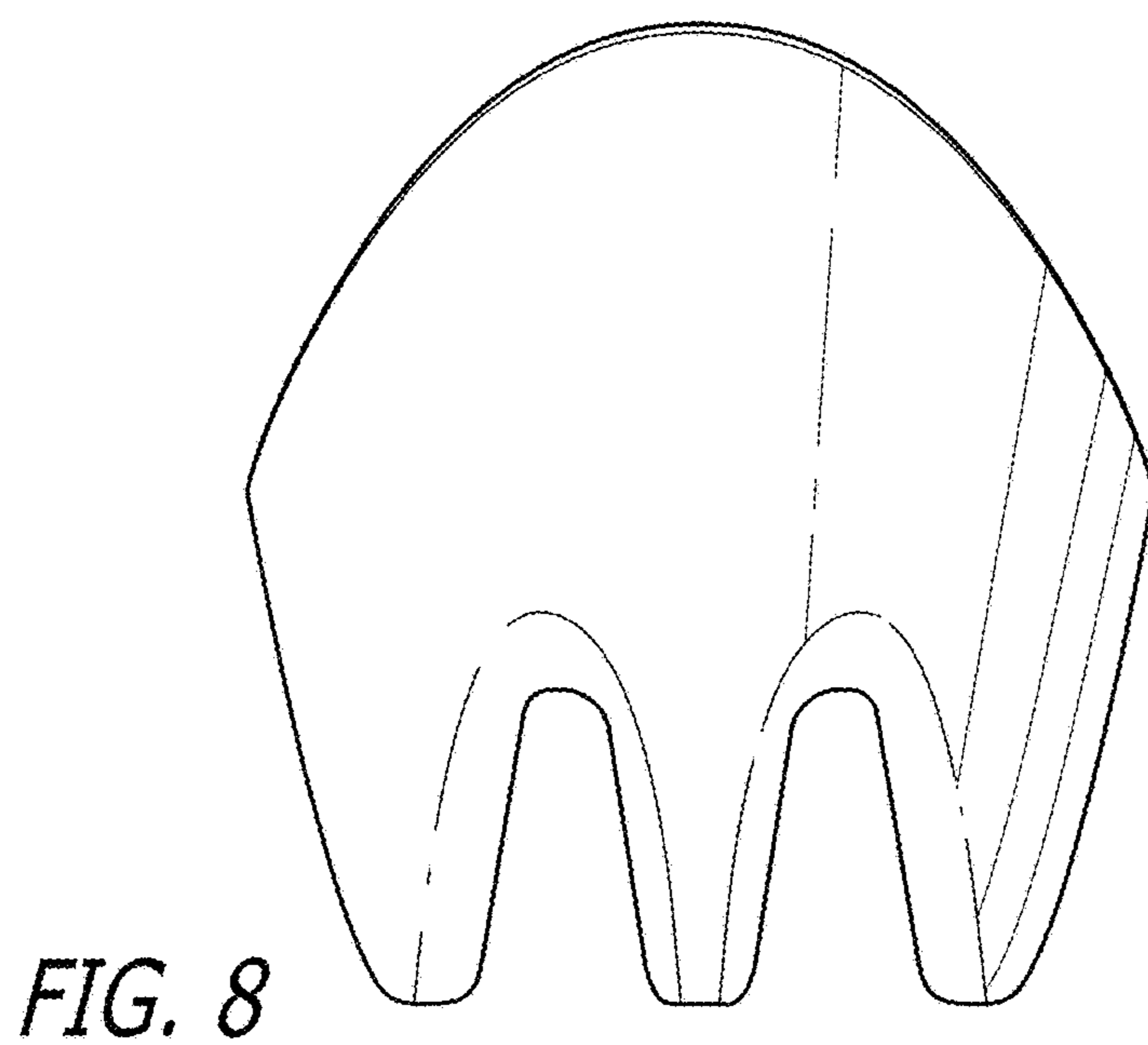
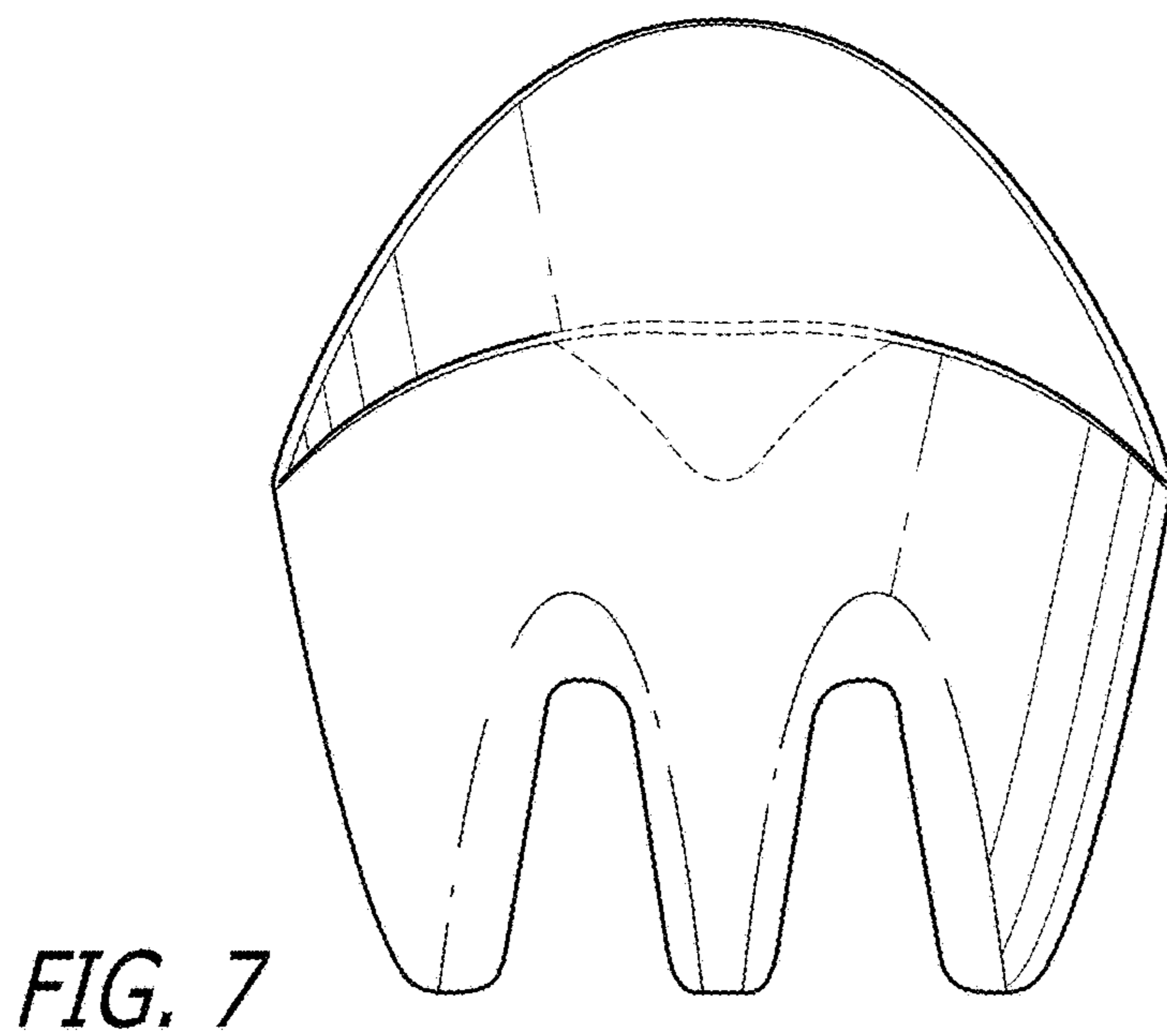


FIG. 9

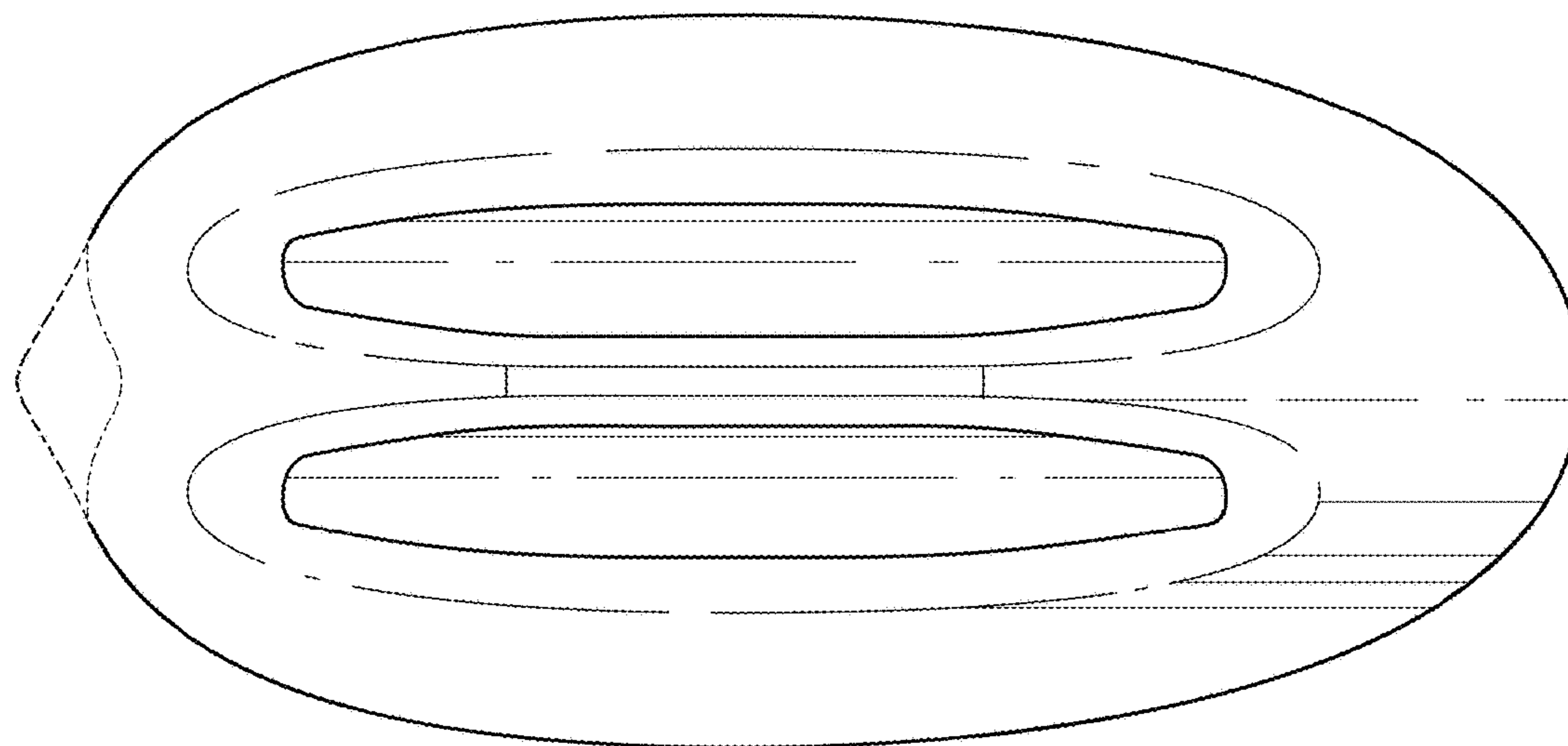
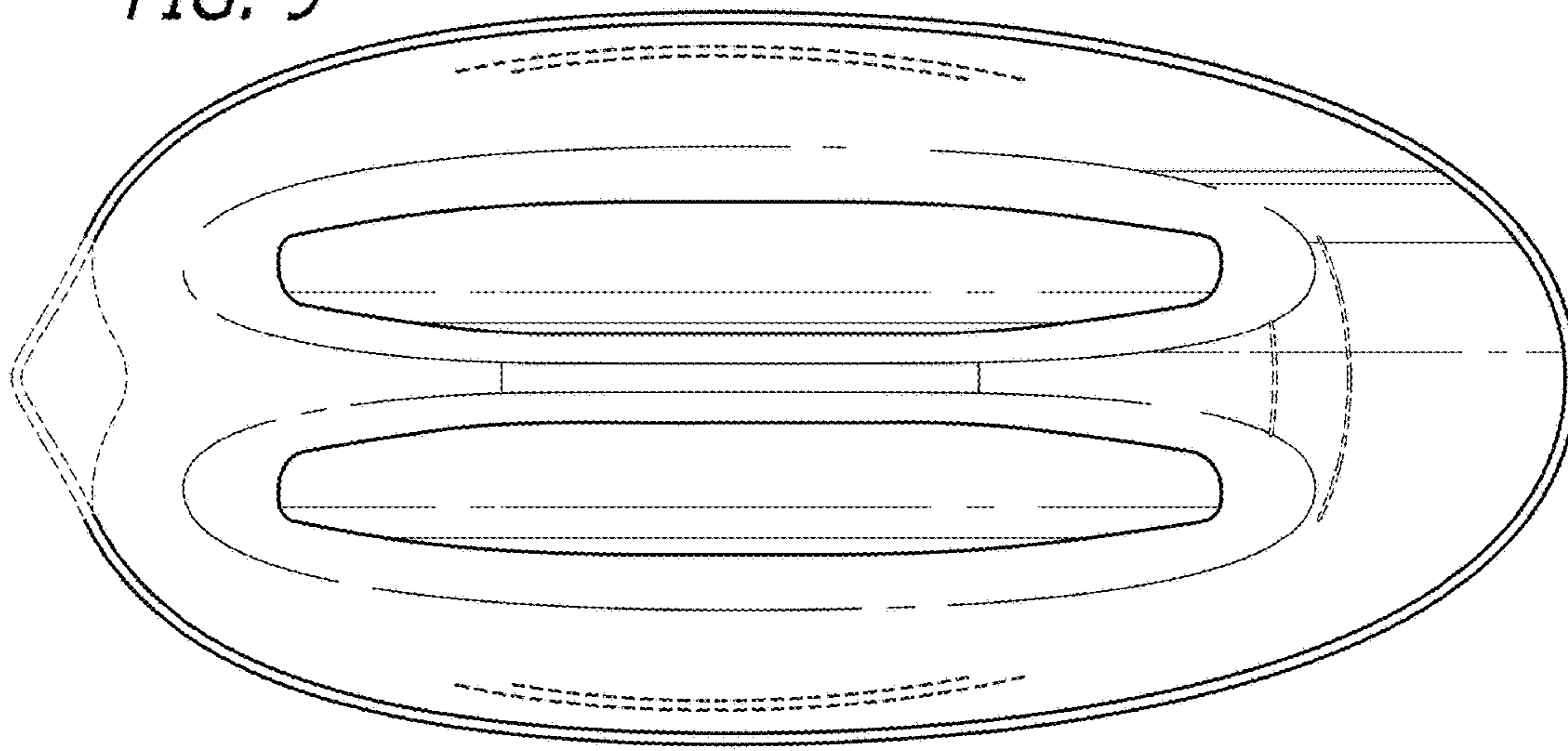


FIG. 10