

US00D748054S

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

(10) **Patent No.:** **US D748,054 S**
(45) **Date of Patent:** **** Jan. 26, 2016**

(54) **WIND TURBINE BLADE**
(71) Applicants: **Kunihiko Aihara**, Tokyo (JP); **Junko Aihara**, Tokyo (JP)
(72) Inventors: **Kunihiko Aihara**, Tokyo (JP); **Junko Aihara**, Tokyo (JP)
(73) Assignee: **TNP CO., LTD.**, Tokyo (JP)
(**) Term: **14 Years**
(21) Appl. No.: **29/445,983**
(22) Filed: **Feb. 19, 2013**
(51) **LOC (10) Cl.** **13-01**
(52) **U.S. Cl.**
USPC **D13/115**
(58) **Field of Classification Search**
USPC D12/214, 344, 345; D13/101, 112, 114, D13/115, 118, 122, 184, 199; D15/1, 199; D23/411, 412, 413, 414; 29/889.6, 29/889.7; 290/44, 49, 52, 54, 55; 415/4.2, 415/4.4, 56.3, 916; 416/111, 117, 119, 416/132 B, 132 R, 141, 142, 176, 177, 416/196 A, 197 A, 197 R, 211, 227 A, 227 R, 416/24, 242, 31, 37, 38
See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS
5,225,246 A * 7/1993 Beers et al. 427/252
5,277,550 A * 1/1994 Kato et al. 416/227 R
6,158,959 A * 12/2000 Arbus 415/204
6,247,897 B1 * 6/2001 Patel 416/197 R
D457,850 S * 5/2002 Rietsch D12/214
D459,285 S * 6/2002 Rietsch D12/214
D511,495 S * 11/2005 Okubo et al. D13/115
7,204,676 B2 * 4/2007 Dutton et al. 416/238
7,344,353 B2 * 3/2008 Naskali et al. 415/4.2
D587,146 S * 2/2009 Zhang D10/59
D587,195 S * 2/2009 van Wijck D13/115
D590,340 S * 4/2009 Sayama et al. D13/115

D594,818 S * 6/2009 Doucet D13/115
D597,028 S * 7/2009 Sauer D13/115
D598,376 S * 8/2009 Cheung et al. D13/115
D600,641 S * 9/2009 Starck D13/115
D638,358 S * 5/2011 Sauer, Jr. D13/115
8,087,897 B2 * 1/2012 Joutsiniemi 416/144
D654,433 S * 2/2012 Huang et al. D13/115
8,172,508 B2 * 5/2012 Mohamed et al. 415/115
D671,070 S * 11/2012 Joutsiniemi D13/115
D678,837 S * 3/2013 Ruiz de Gordejuela Diaz de Tuesta et al. D13/115
8,550,786 B2 * 10/2013 Janiuk 416/226
D712,757 S * 9/2014 Barani D10/59
2005/0278950 A1 * 12/2005 Despreaux et al. 29/889.71
2006/0257240 A1 * 11/2006 Naskali et al. 415/4.4
2008/0145224 A1 * 6/2008 Mitchell et al. 416/132 B
2009/0116968 A1 * 5/2009 Mohle 416/241 R

(Continued)

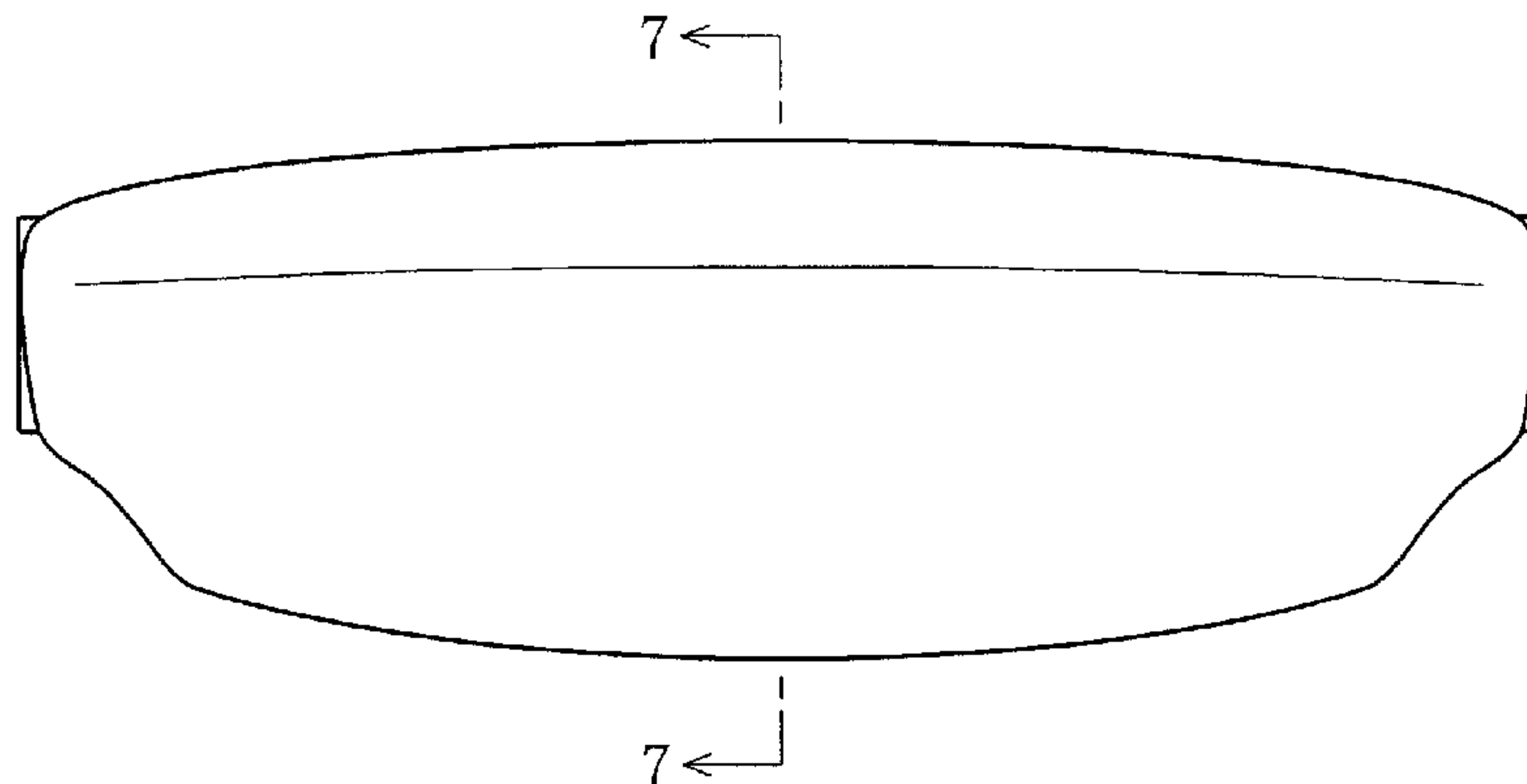
Primary Examiner — Derrick Holland
Assistant Examiner — Jennifer O King
(74) *Attorney, Agent, or Firm* — Greer Burns & Crain Ltd.

(57) **CLAIM**
The ornamental design for a wind turbine blade, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a wind turbine blade showing our new design;
FIG. 2 is a top plan view thereof;
FIG. 3 is a left side view thereof; the right side view being a mirror image of the left side view;
FIG. 4 is a back view thereof;
FIG. 5 is a bottom plan view thereof;
FIG. 6 is perspective view thereof;
FIG. 7 is a sectional view thereof taken along the line 7-7 in FIG. 1;
FIG. 8 is a sectional view thereof, taken along the line 8-8 in FIG. 5; and,
FIG. 9 is a sectional view thereof, taken along the line 9-9 in FIG. 5.

1 Claim, 9 Drawing Sheets



US D748,054 S

Page 2

(56)

References Cited

U.S. PATENT DOCUMENTS

2011/0200437 A1* 8/2011 McGuire 416/176
2014/0234120 A1* 8/2014 Aihara et al. 416/243

2009/0208342 A1* 8/2009 Mons 416/241 R * cited by examiner

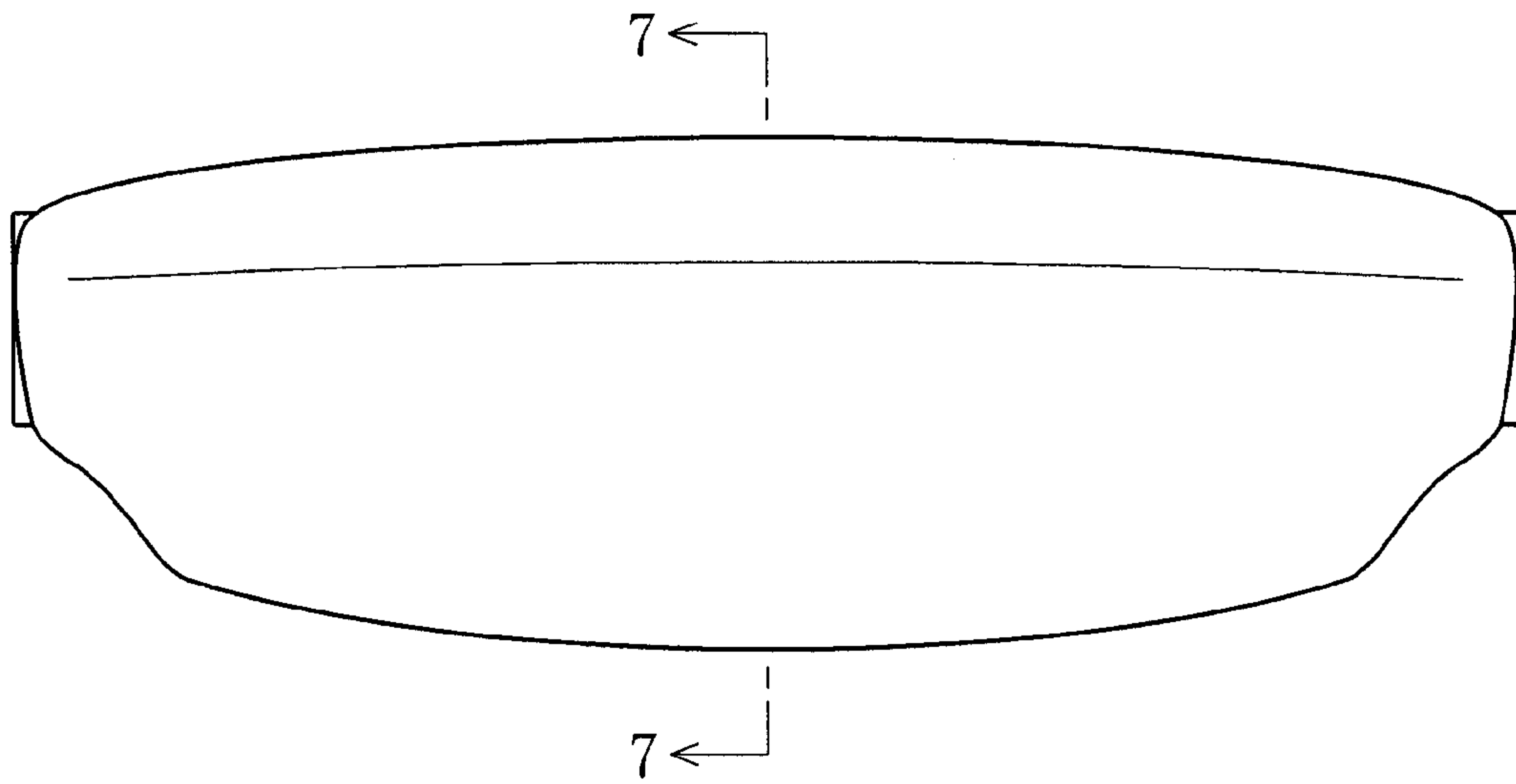


FIG. 1

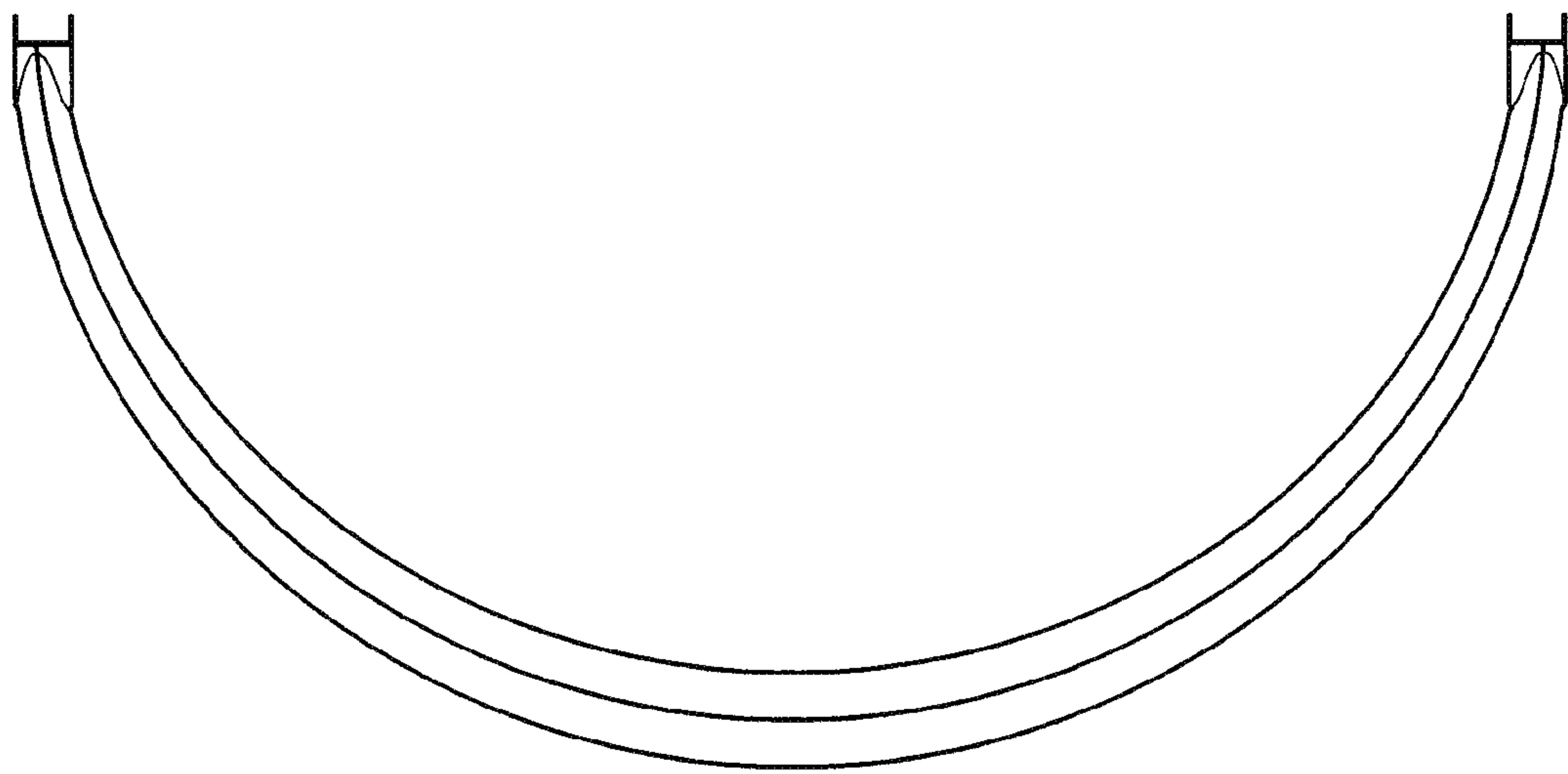


FIG. 2

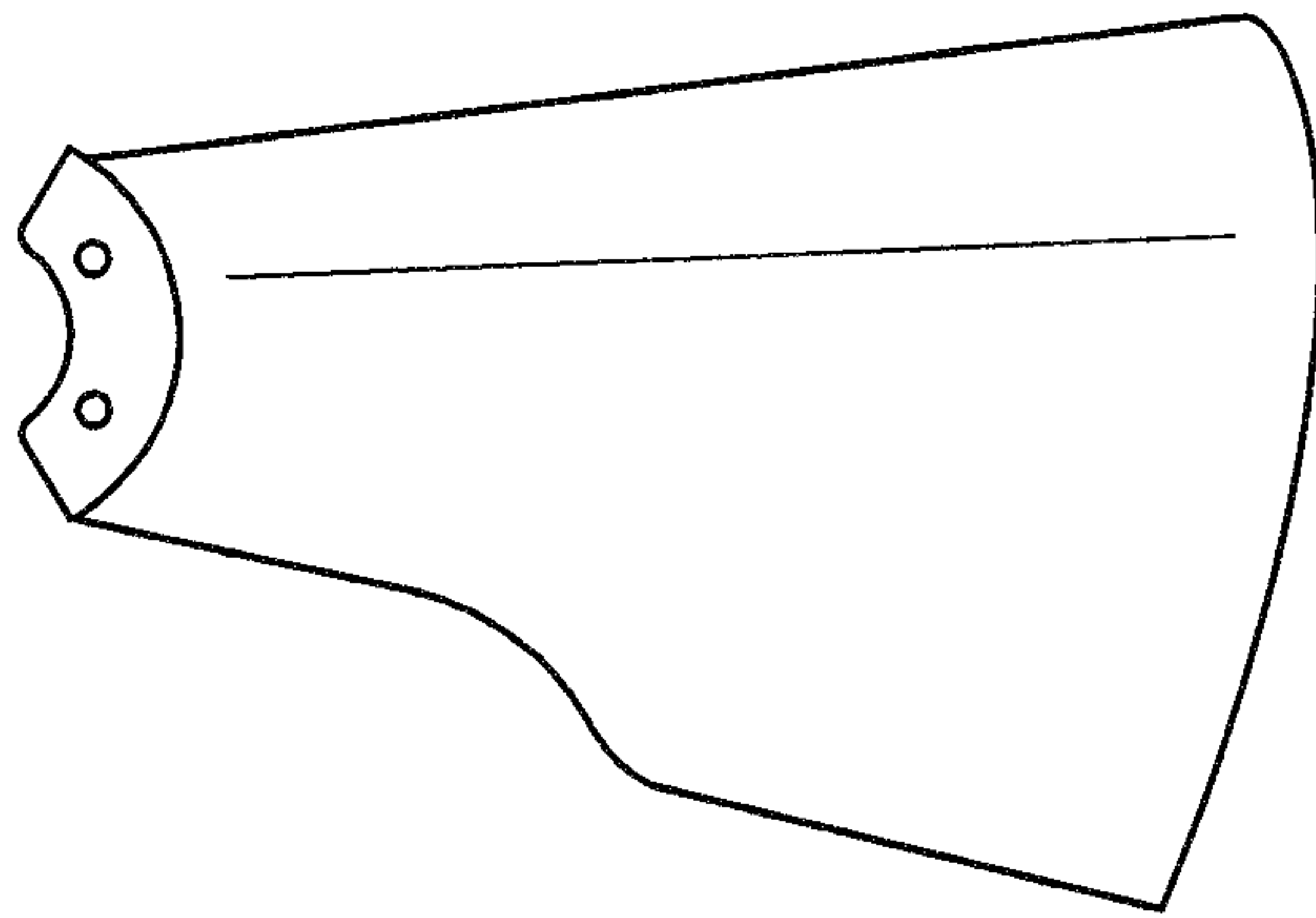


FIG. 3

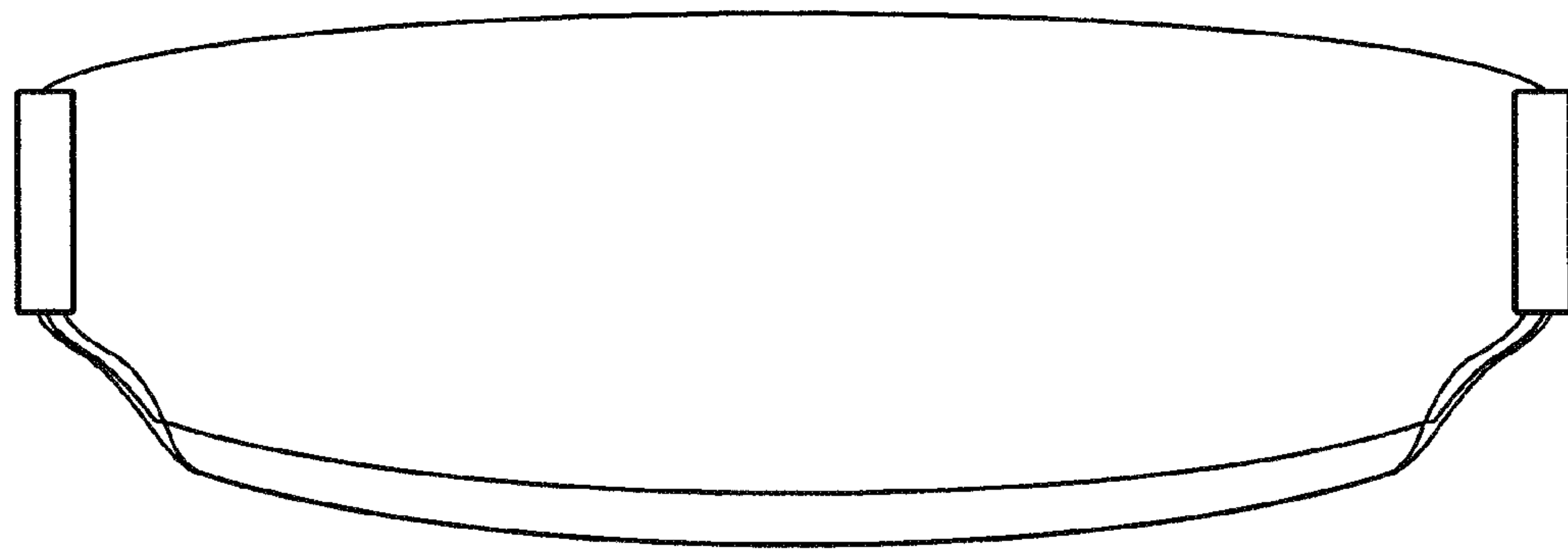


FIG. 4

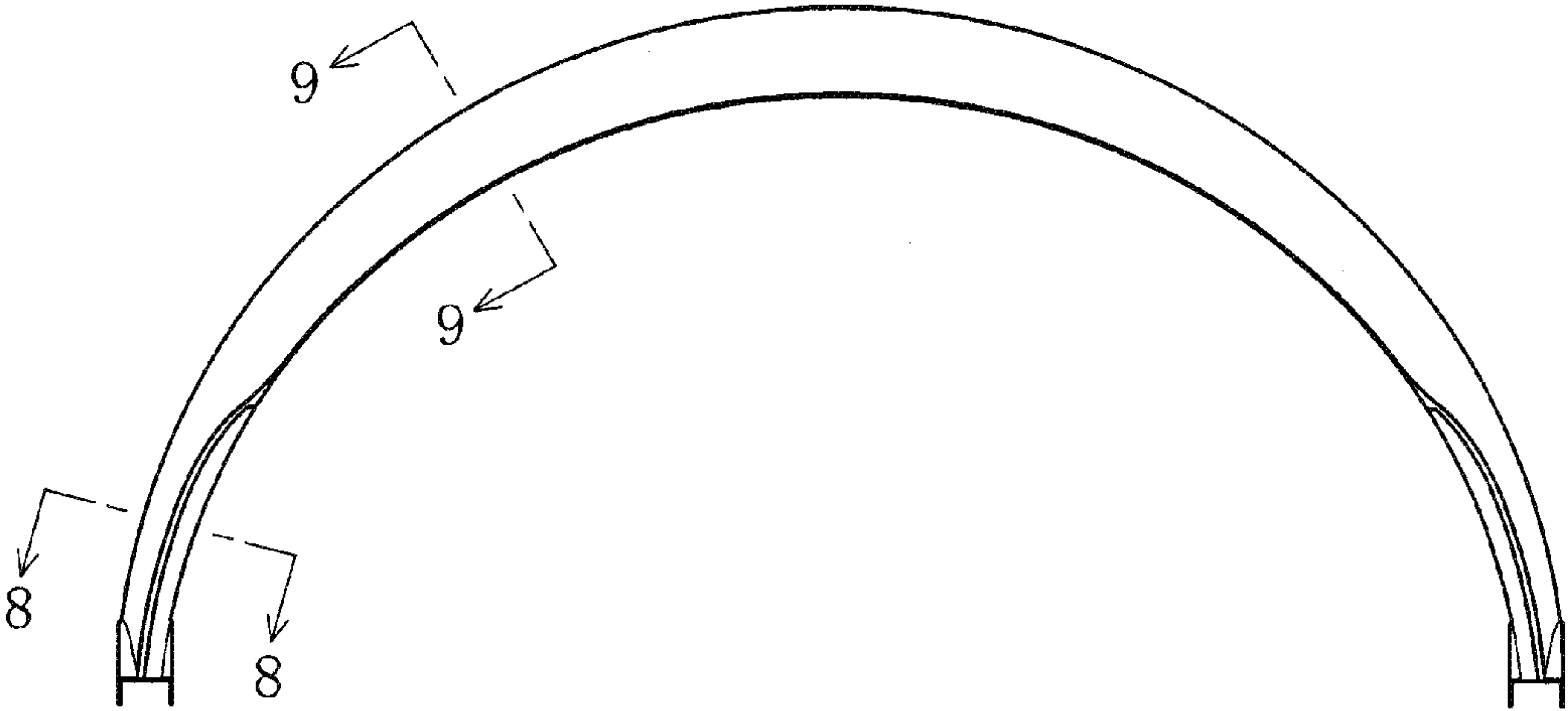


FIG. 5

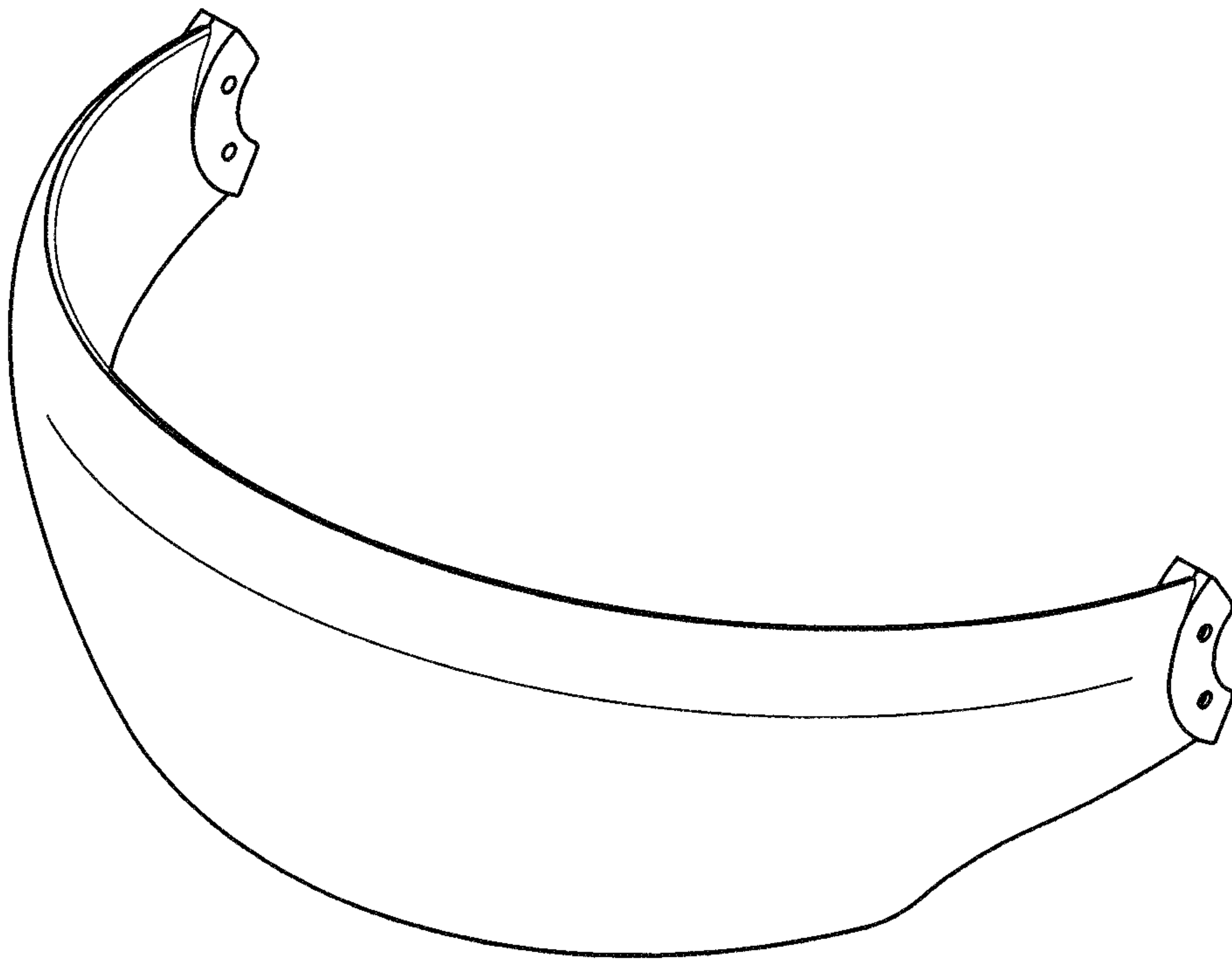


FIG. 6

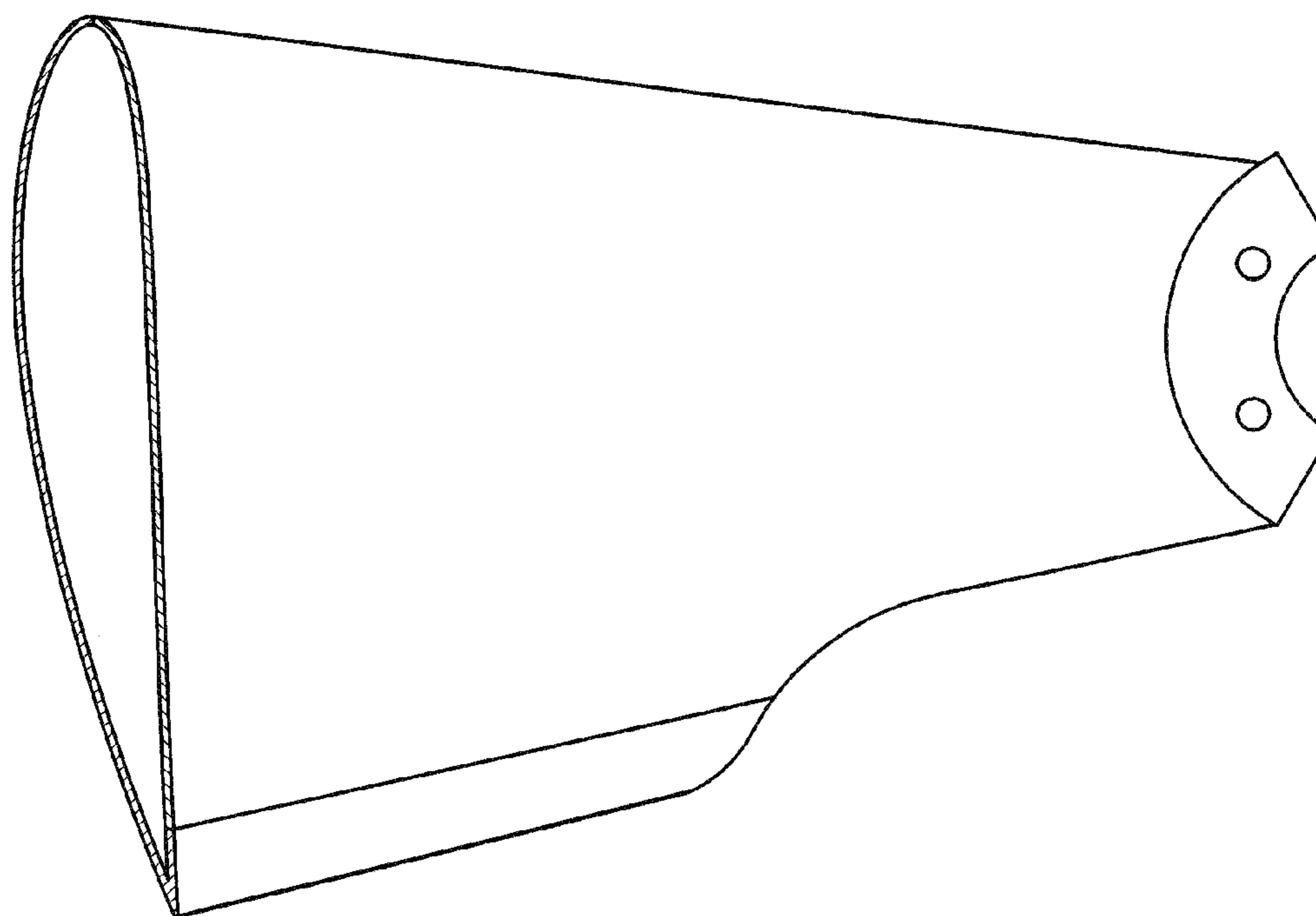


FIG. 7

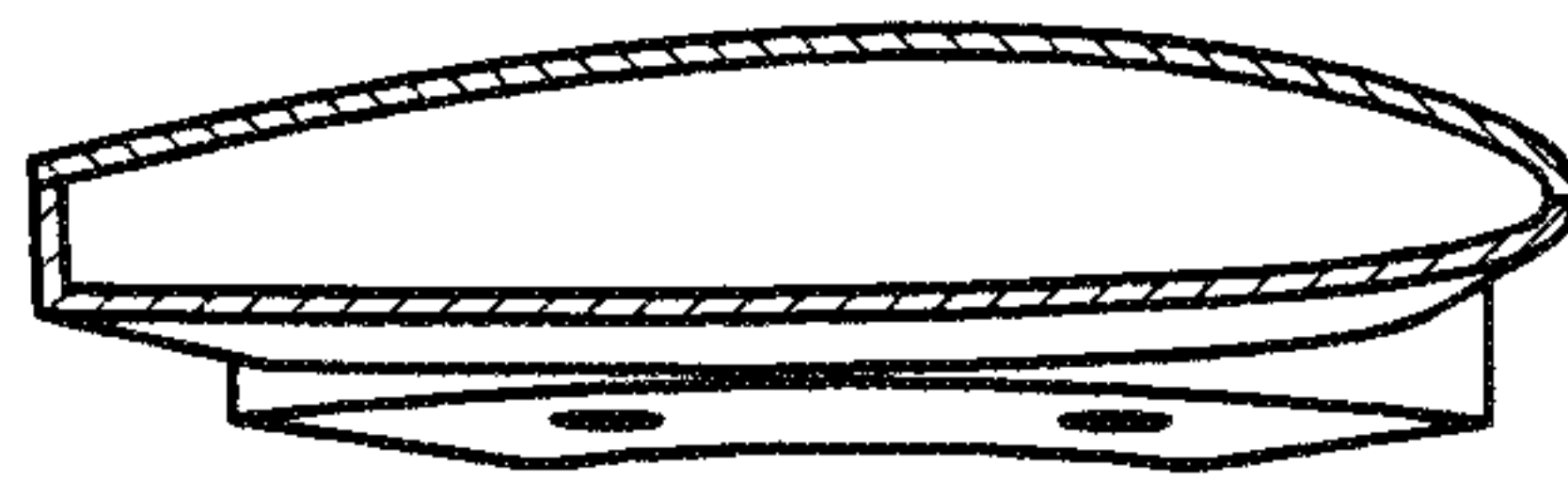


FIG. 8

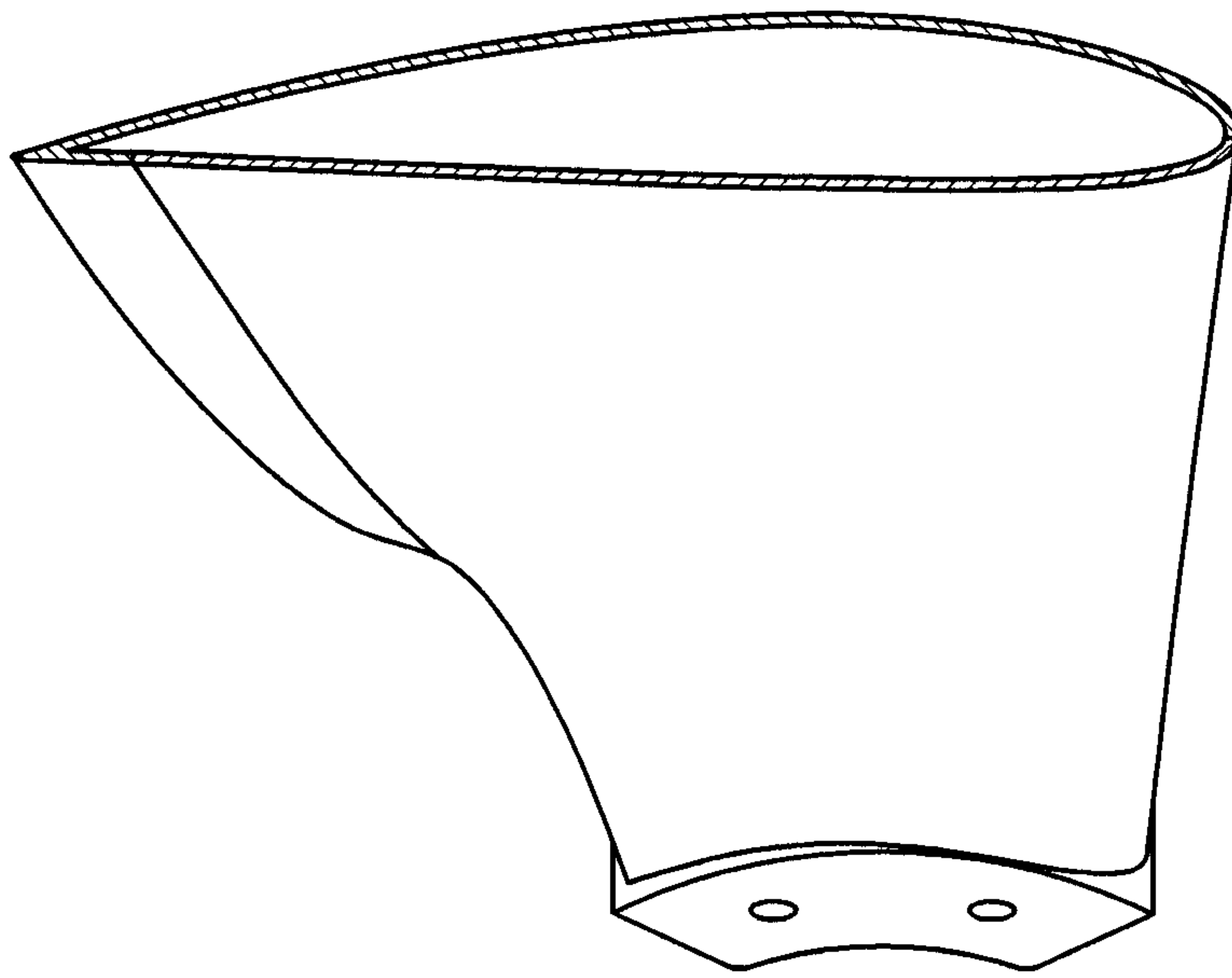


FIG. 9