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

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(54) **WIND TURBINE BLADE**

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(72) Inventors: **Kunihiko Aihara**, Tokyo (JP); **Junko Aihara**, Tokyo (JP)

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

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(22) Filed: **Jan. 13, 2015**

Related U.S. Application Data

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(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
CPC Y02E 10/74; Y02E 10/223; Y02E 10/721;
F03D 3/061
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

14,497 A 3/1856 Fletcher
5,203,672 A 4/1993 Wolf
5,225,246 A 7/1993 Beers et al.

5,277,550 A 1/1994 Kato et al.
6,158,959 A 12/2000 Arbeus
6,247,897 B1 6/2001 Patel
6,331,100 B1 * 12/2001 Liu et al. 416/238
D457,850 S 5/2002 Rietsch
D459,285 S 6/2002 Rietsch
D509,794 S * 9/2005 Okubo et al. D13/115
D511,495 S 11/2005 Okubo et al.
7,204,676 B2 4/2007 Dutton et al.
7,344,353 B2 3/2008 Naskali et al.
D587,146 S 2/2009 Zhang
D587,195 S 2/2009 van Wijck

(Continued)

OTHER PUBLICATIONS

U.S. Appl. No. 29/514,433, filed Jan. 13, 2015.

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(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 plan view thereof;

FIG. 3 is a left side view thereof, the right side view being symmetrical with the left side view;

FIG. 4 is a back view thereof;

FIG. 5 is a bottom view thereof;

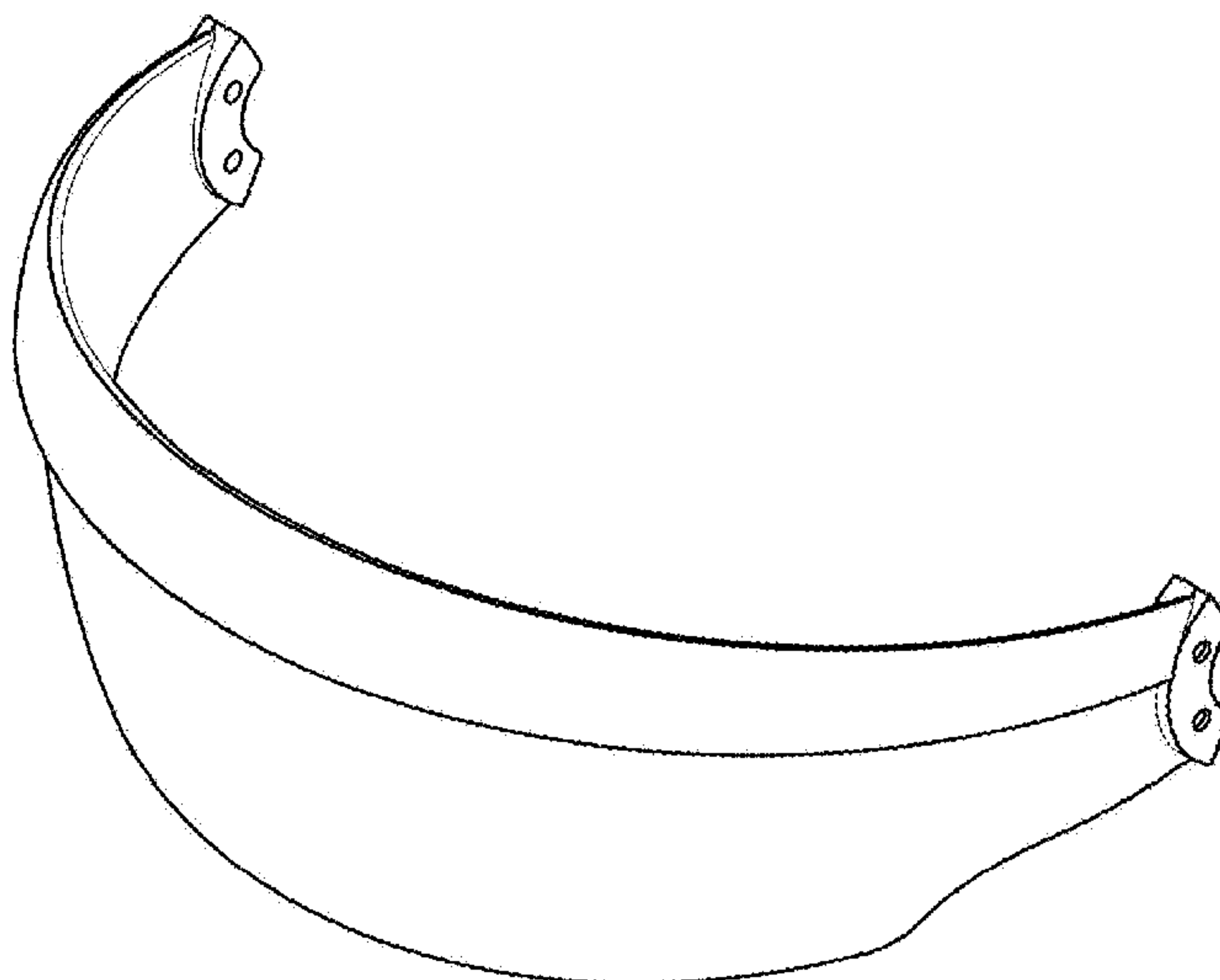
FIG. 6 is perspective view thereof;

FIG. 7 is a sectional view thereof, taken at line 7-7 on FIG. 1;

FIG. 8 is a sectional view thereof, taken at line 8-8 on FIG. 5; and,

FIG. 9 is a sectional view thereof, taken at line 9-9 on FIG. 5.

1 Claim, 9 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D590,340 S

4/2009

Sayama et al.

D594,818 S

6/2009

Doucet

D597,028 S

7/2009

Sauer

D598,376 S

8/2009

Cheung et al.

D600,641 S

9/2009

Starck

D638,358 S

5/2011

Sauer, Jr.

D641,699 S *

7/2011

Sayama et al. D13/115

8,087,897 B2

1/2012

Joutsiniemi

D654,433 S

2/2012

Huang et al.

8,172,508 B2

5/2012

Mohamed et al.

D671,070 S

11/2012

Joutsiniemi

D678,837 S

3/2013

Ruiz de Gordejuela Diaz de Tuesta et al.

8,550,786 B2

10/2013

Janiuk

8,753,091 B1

6/2014

Braley

D712,757 S

9/2014

Barani

D715,737 S

10/2014

Cooper

D717,936 S *

11/2014

Peterson D23/413

D721,329 S *

1/2015

Rebsdorf D13/115

8,994,207 B2

3/2015

Giraldo Orozco

9,027,245 B2

5/2015

Hottier

D741,989 S

10/2015

Wang

2005/0278950 A1

12/2005

Despreaux et al.

2006/0257240 A1

11/2006

Naskali et al.

2008/0145224 A1

6/2008

Mitchell et al.

2009/0116968 A1

5/2009

Mohle

2009/0208342 A1

8/2009

Mons

2010/0074751 A1

3/2010

Brown

2010/0308595 A1 *

12/2010

Chen 290/55

2011/0171025 A1

7/2011

Levin

2011/0200437 A1

8/2011

McGuire

2012/0082549 A1 *

4/2012

Ellis et al. 416/95

2012/0082560 A1

4/2012

Firic

2012/0128500 A1

5/2012

Perless

2014/0234120 A1

8/2014

Aihara et al.

2014/0325841 A1 *

11/2014

Derrien 29/889.7

2014/0356181 A1 *

12/2014

Mailly 416/229 A

2014/0356182 A1 *

12/2014

Obrecht 416/229 R

2015/0159630 A1

6/2015

Haskell

* cited by examiner

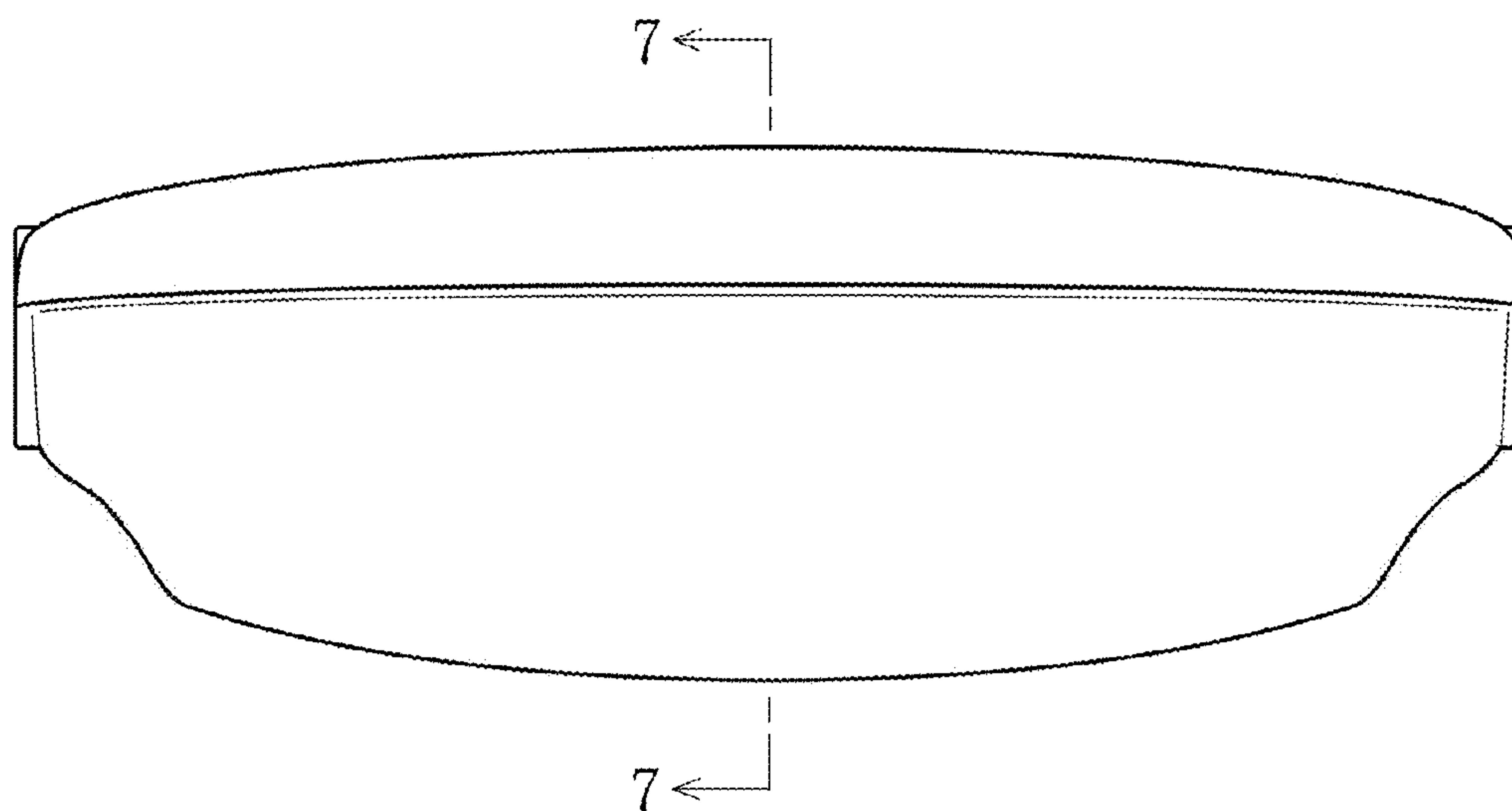


FIG. 1

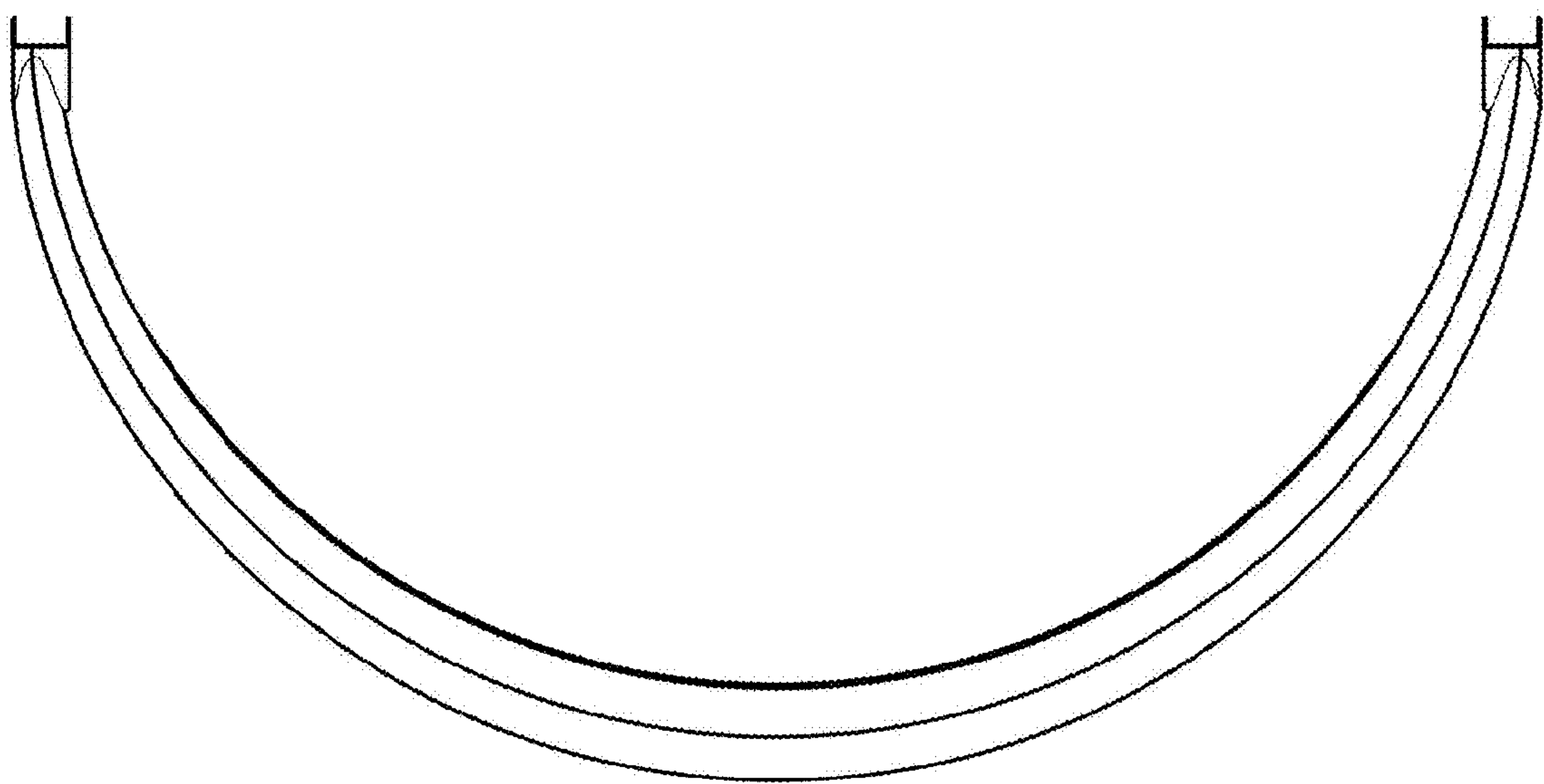


FIG. 2

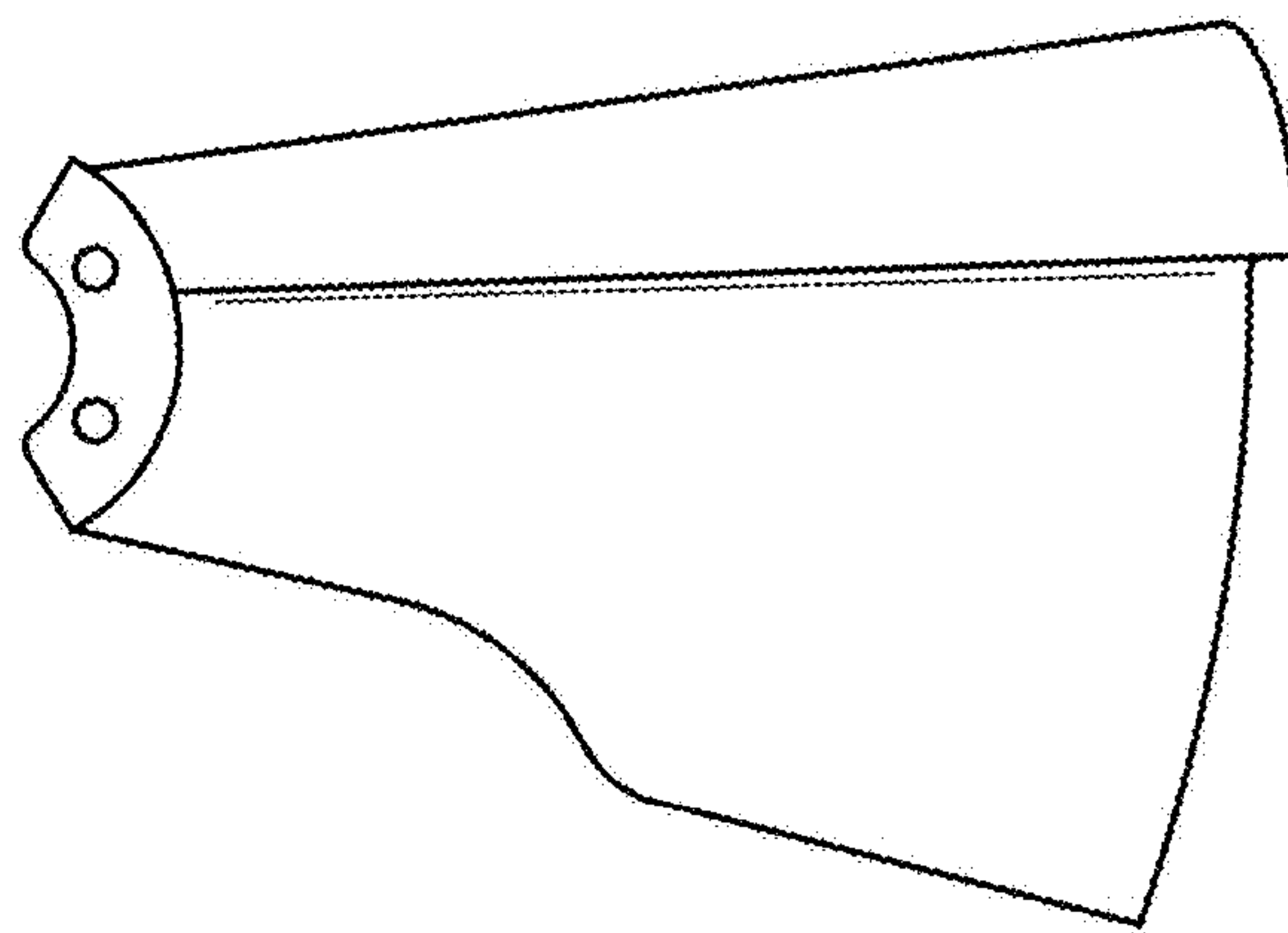


FIG. 3

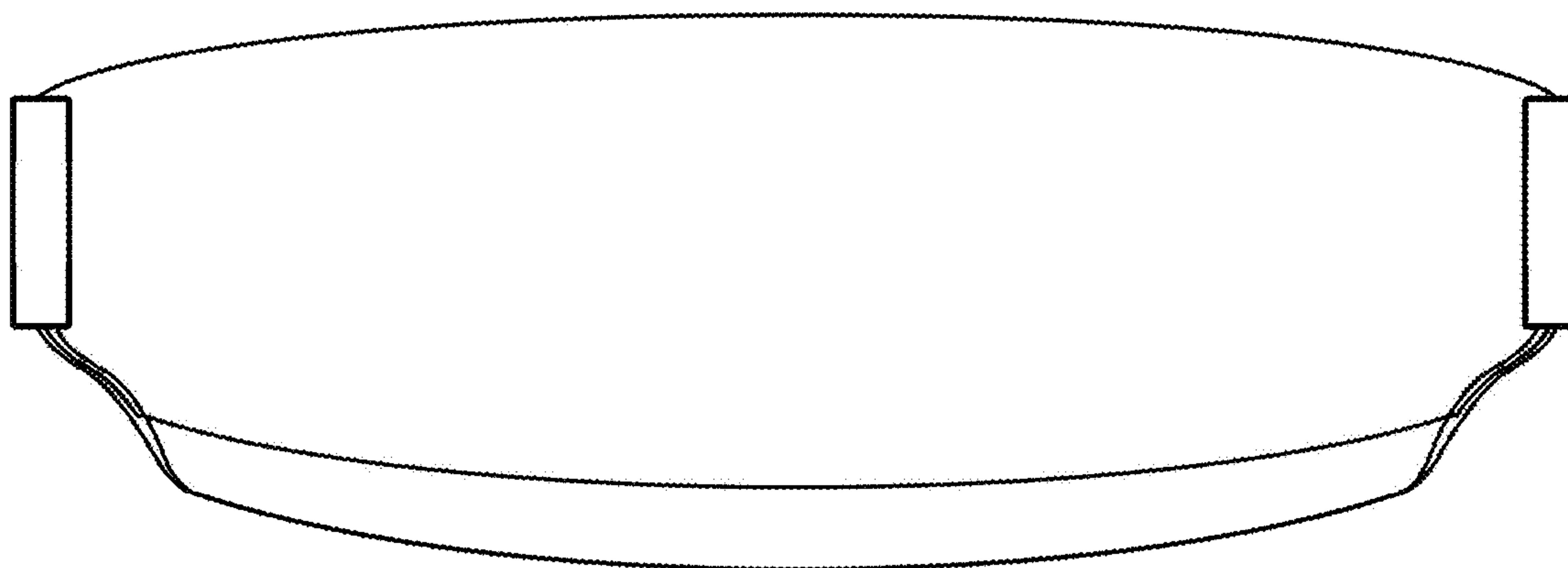


FIG. 4

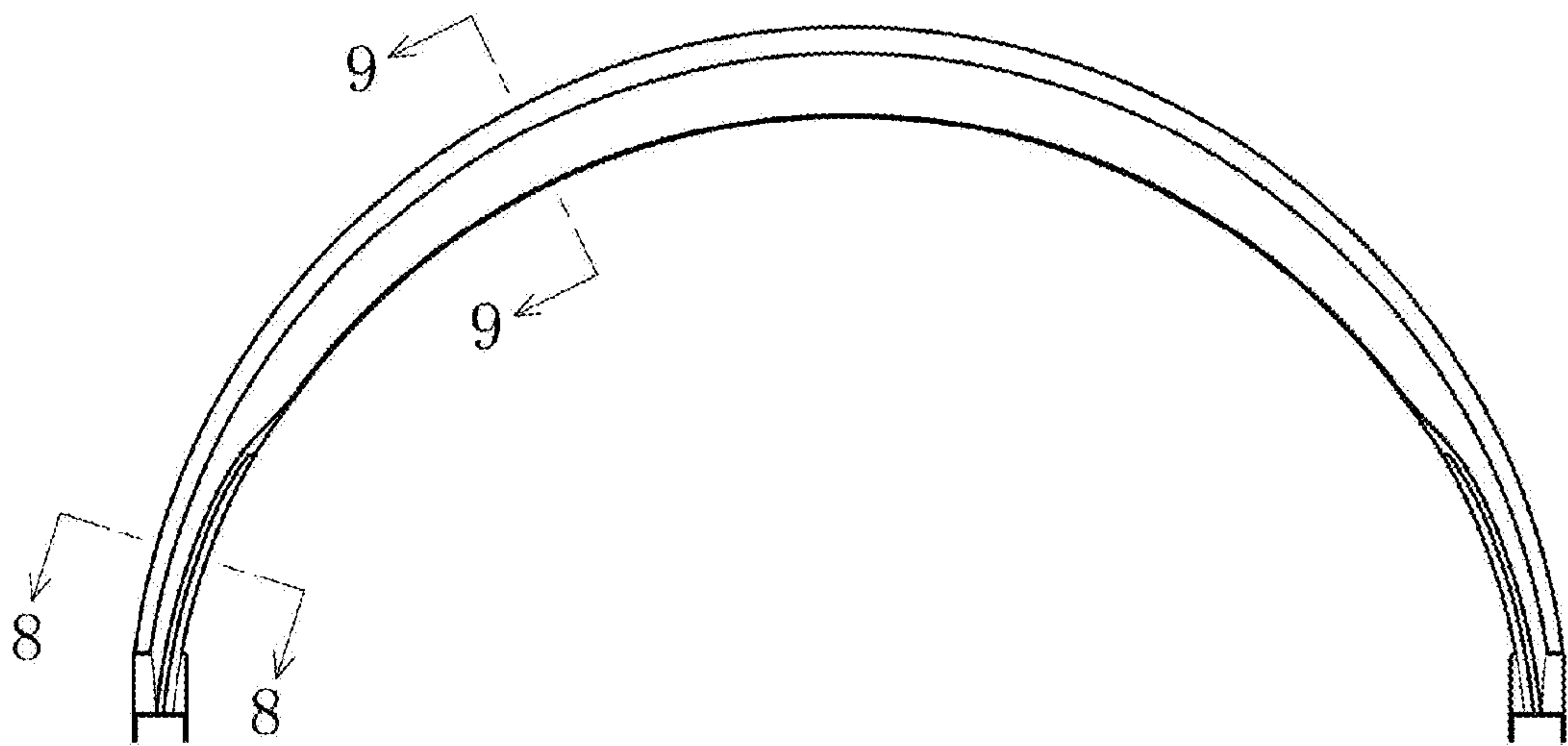


FIG. 5

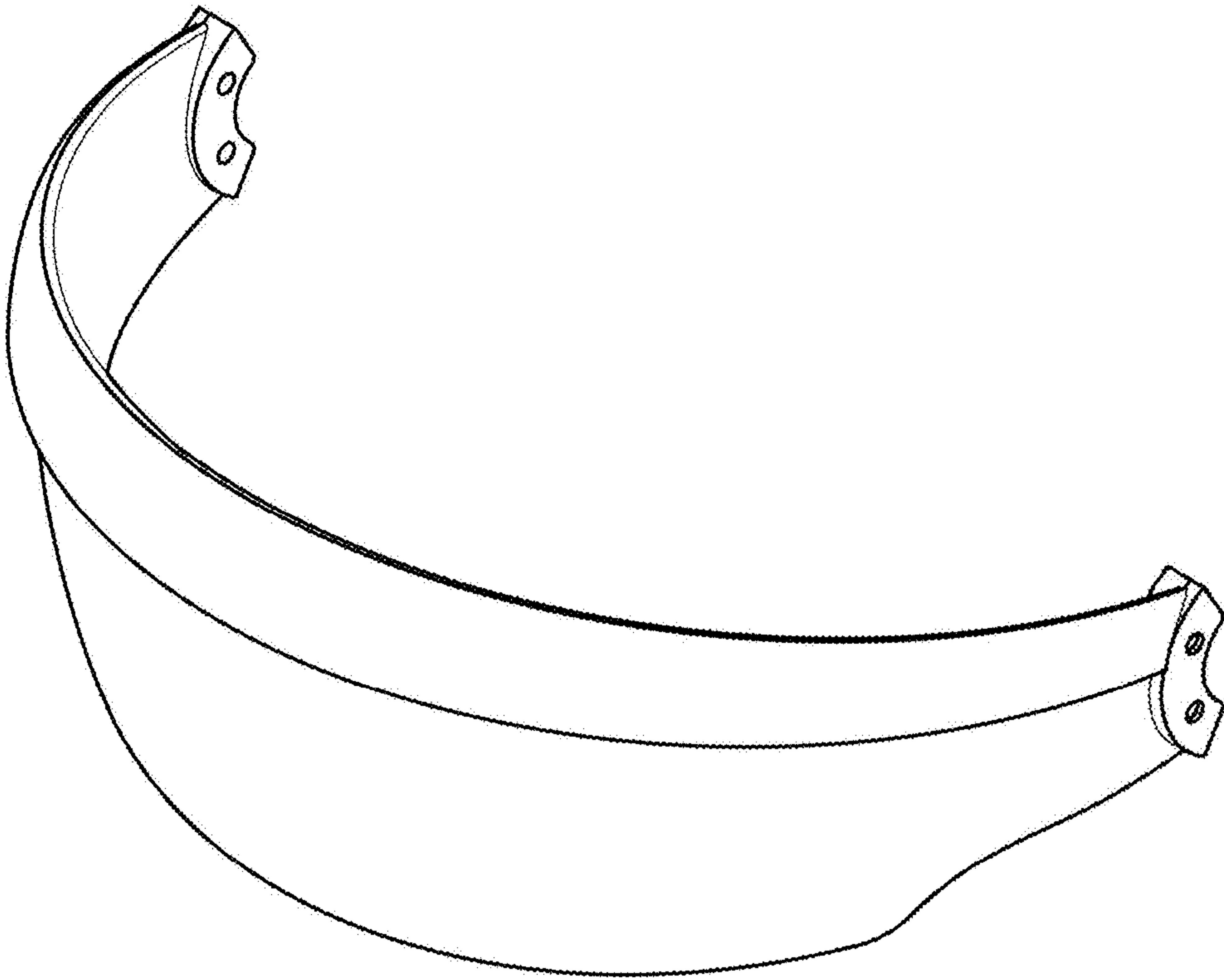


FIG. 6

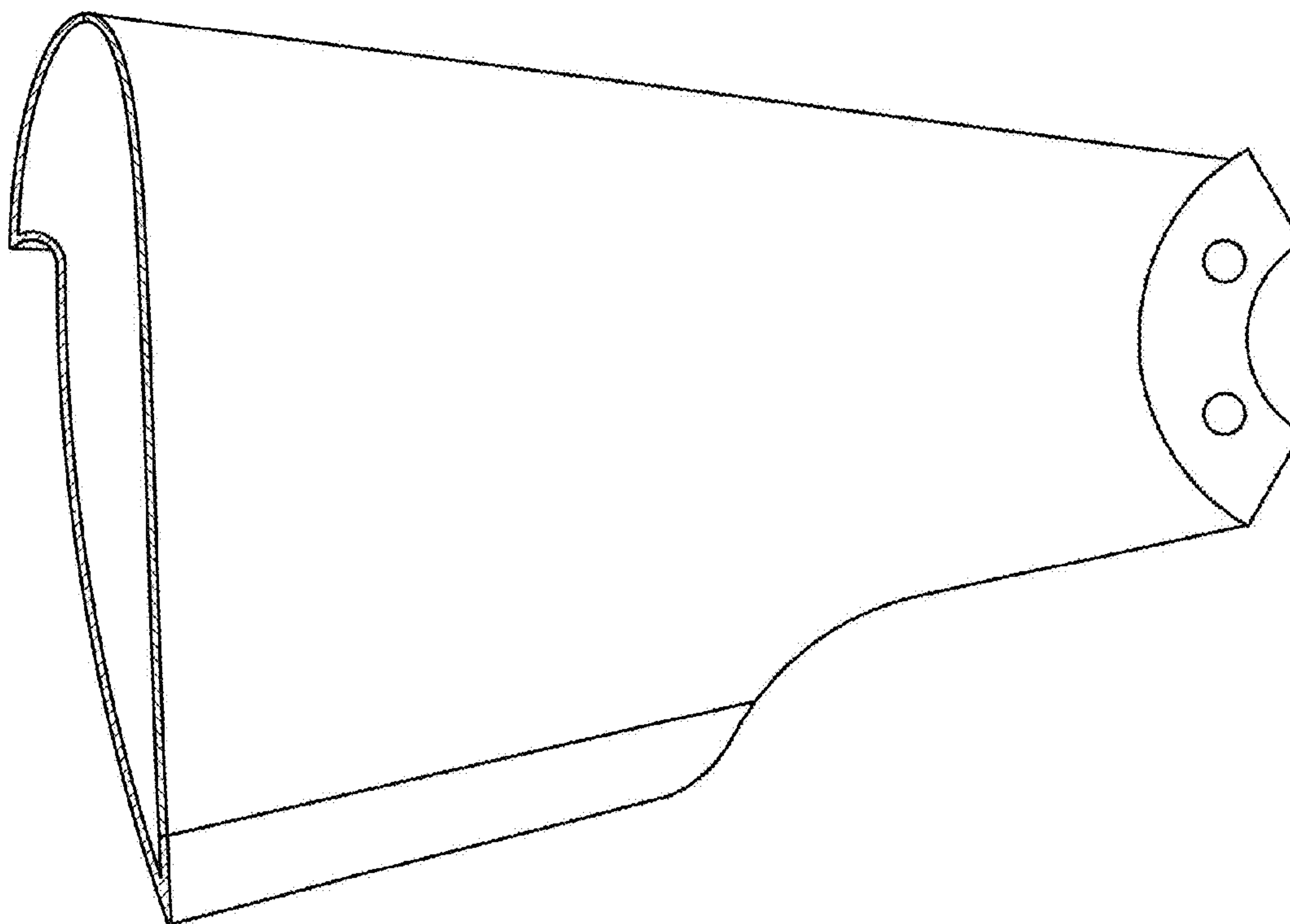


FIG. 7

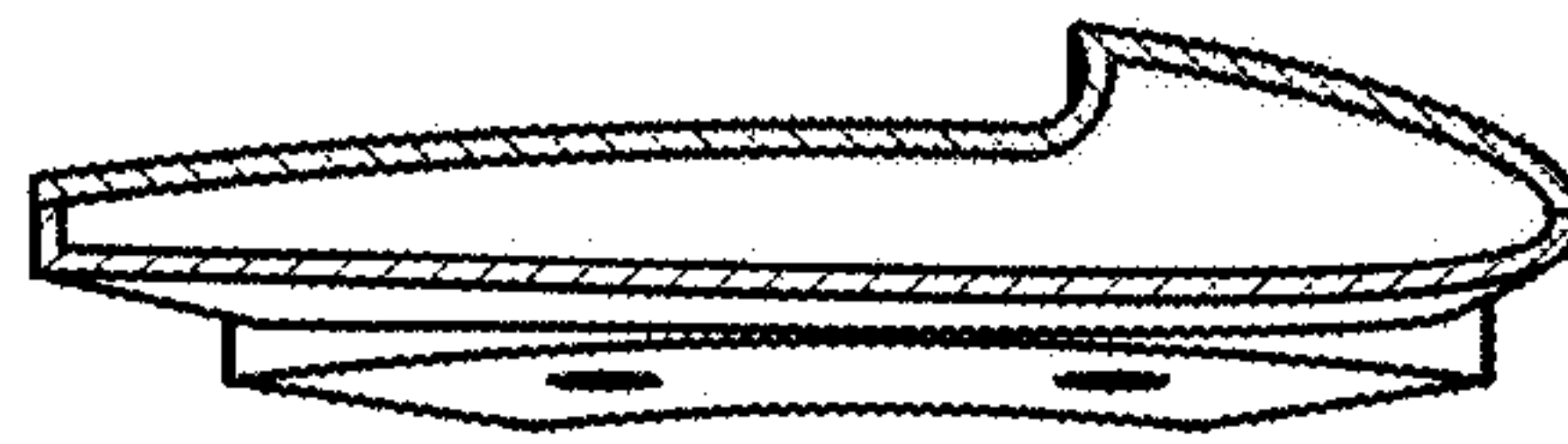


FIG. 8

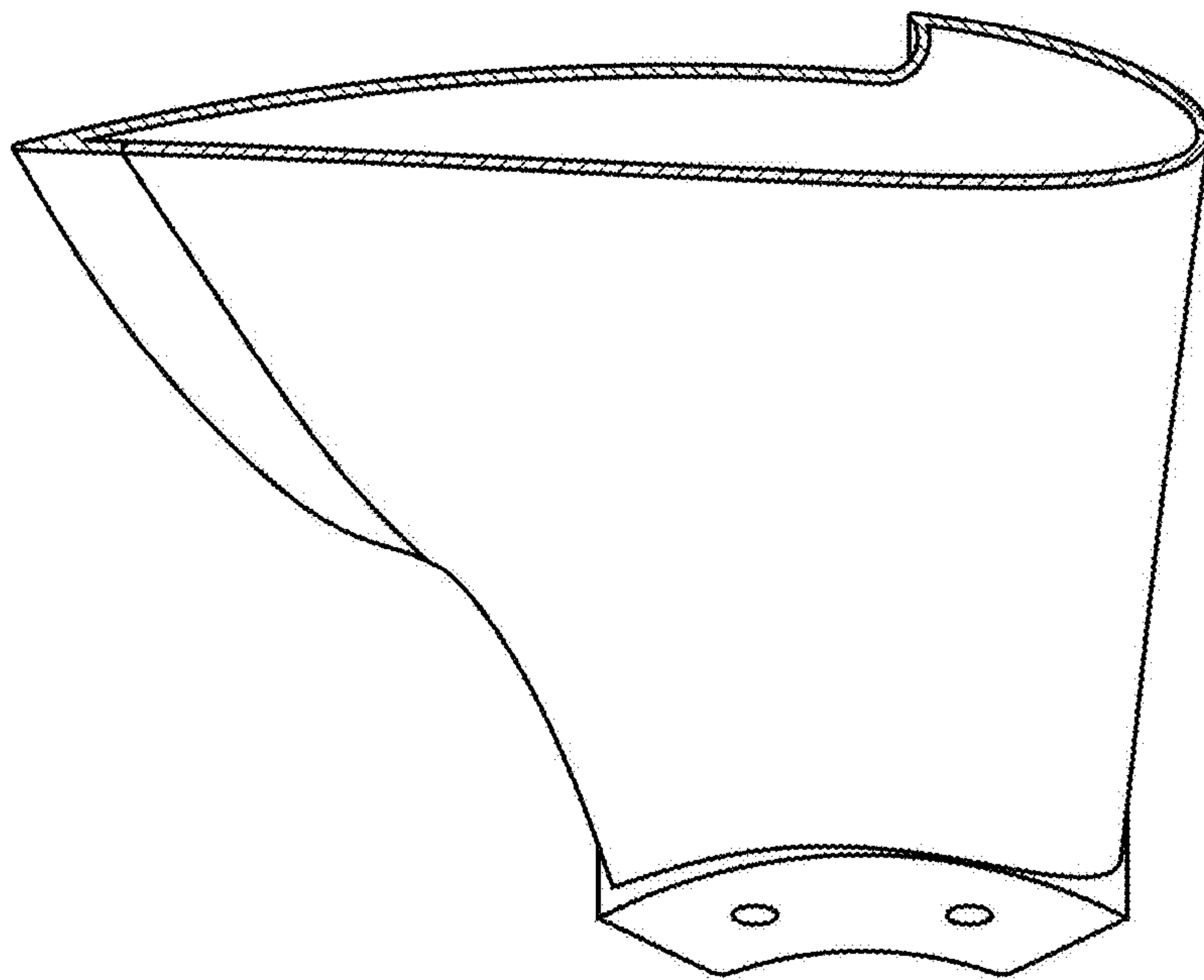


FIG. 9