



US00D795430S

(12) **United States Design Patent** (10) **Patent No.:** **US D795,430 S**
Butz (45) **Date of Patent:** **** Aug. 22, 2017**

(54) **INTERDENTAL CLEANER**

A61C 15/048; A61C 15/0069; A61C 15/0087; A61C 15/0093

See application file for complete search history.

(71) Applicant: **INTERBROS GMBH**, Schönau (DE)

(56) **References Cited**

(72) Inventor: **Jürgen Butz**, Schönau (DE)

U.S. PATENT DOCUMENTS

(73) Assignee: **INTERBROS GMBH**, Schönau (DE)

D536,529 S * 2/2007 Antler D4/111
D594,984 S * 6/2009 Crossman D24/152
D674,610 S * 1/2013 Eatherton D4/111
8,663,520 B2 * 3/2014 Kalbfeld A46B 1/00
264/138

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

(Continued)

(21) Appl. No.: **29/576,404**

FOREIGN PATENT DOCUMENTS

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CN 303535305 * 4/2015
WO WO D087426-001 * 8/2015

Related U.S. Application Data

(Continued)

(62) Division of application No. 35/500,137 (U.S. filing date under 35 U.S.C. 384), and having an international filing date of Aug. 11, 2015.

Primary Examiner — Wan Laymon

(74) *Attorney, Agent, or Firm* — McGlew and Tuttle, P.C

(30) **Foreign Application Priority Data**

(57) **CLAIM**

The ornamental design for an interdental cleaner, as shown and described.

Feb. 13, 2015 (EM) 001430102
Feb. 27, 2015 (EM) 001430771

(51) **LOC (10) Cl.** **24-02**

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

USPC **D24/152; D4/111**

(58) **Field of Classification Search**

USPC D24/152, 156, 176, 133, 146–147, 119;
D4/104–107, 109, 111, 128, 136; D28/68

CPC A46B 3/00; A46B 1/00; A46B 5/00; A46B
5/0062; A46B 5/02; A46B 5/021; A46B

5/026; A46B 2200/108; A46B 2200/1066;

A61C 15/00; A61C 15/02; A61C 15/047;

DESCRIPTION

FIG. 1 is a perspective view of my design;
FIG. 2 is a front view of the design of FIG. 1;
FIG. 3 is a rear view of the design of FIG. 1;
FIG. 4 is a top view of the design of FIG. 1;
FIG. 5 is a bottom view of the design of FIG. 1;
FIG. 6 is a left view of the design of FIG. 1;
FIG. 7 is a right view of the design of FIG. 1;
FIG. 8 is a perspective view of another design;
FIG. 9 is a front view of the design of FIG. 8;
FIG. 10 is a rear view of the design of FIG. 8;
FIG. 11 is a top view of the design of FIG. 8;
FIG. 12 is a bottom view of the design of FIG. 8;
FIG. 13 is a left view of the design of FIG. 8;
FIG. 14 is a right view of the design of FIG. 8;
FIG. 15 is a perspective view of another design;
FIG. 16 is a front view of the design of FIG. 15;

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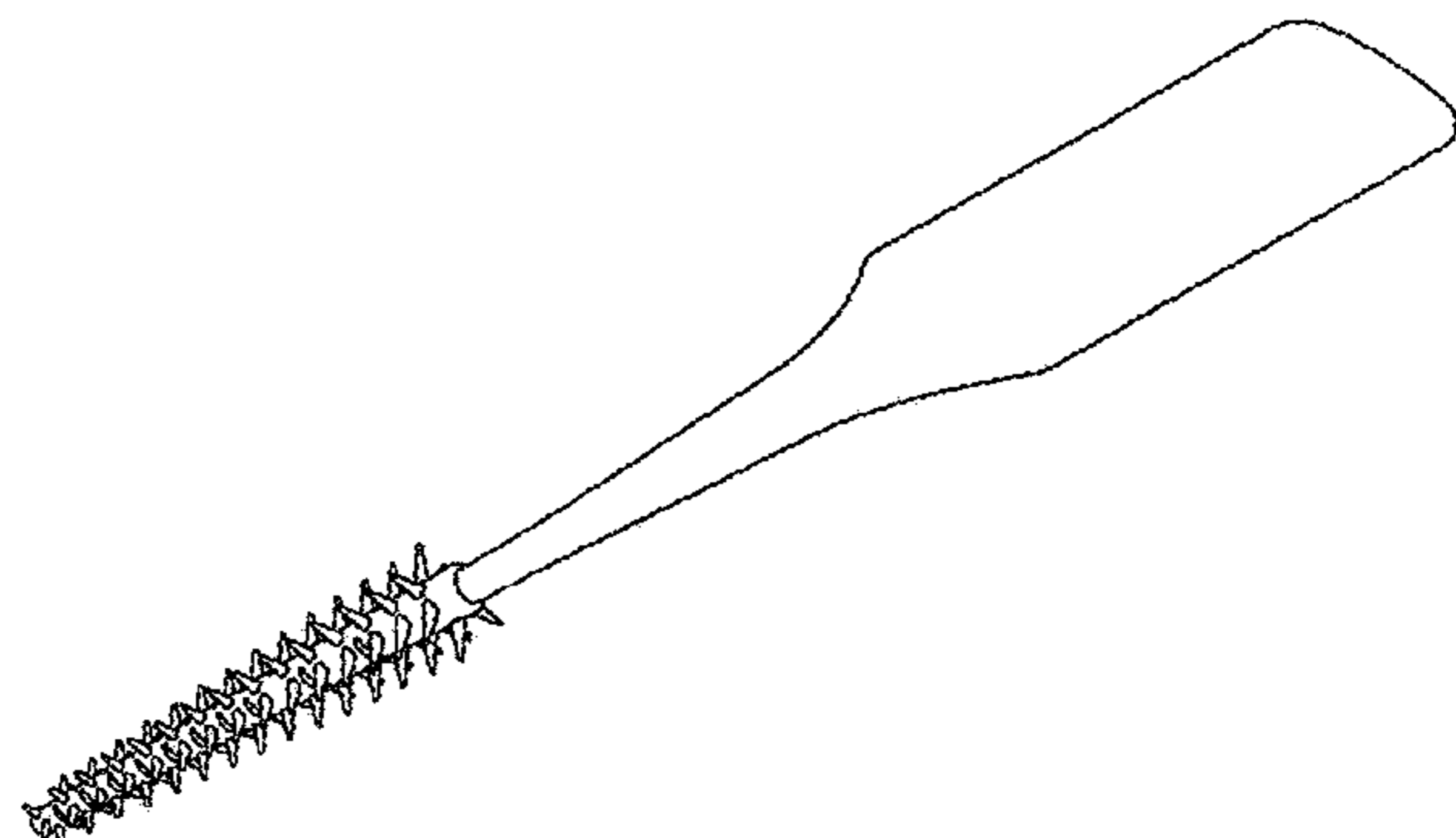
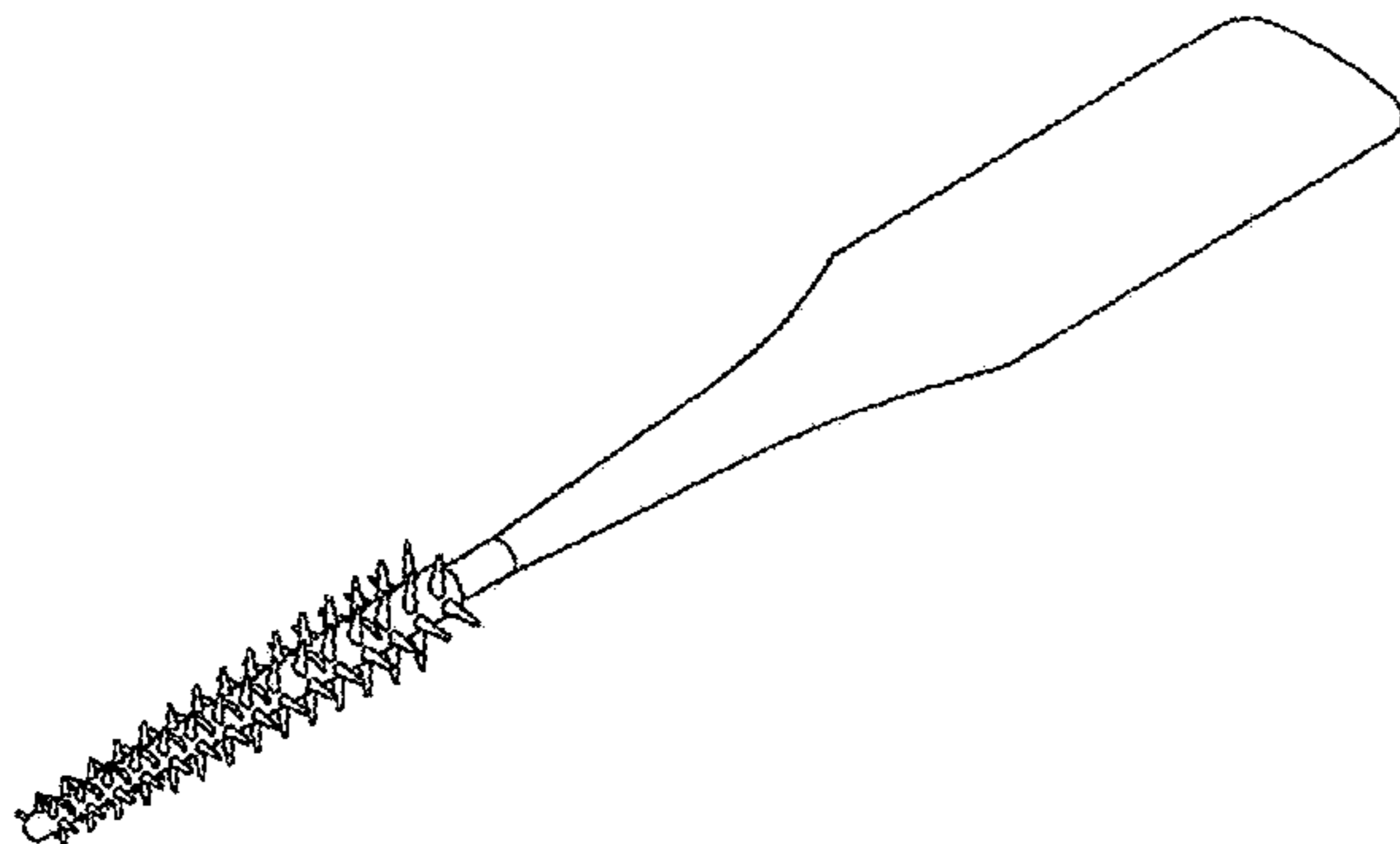


FIG. 17 is a rear view of the design of FIG. 15;
 FIG. 18 is a top view of the design of FIG. 15;
 FIG. 19 is a bottom view of the design of FIG. 15;
 FIG. 20 is a left view of the design of FIG. 15; and,
 FIG. 21 is a right view of the design of FIG. 15.

1 Claim, 21 Drawing Sheets

(56)

References Cited

U.S. PATENT DOCUMENTS

D767,900 S * 10/2016 Kalbfeld D4/111
 2006/0254609 A1* 11/2006 Kuo A46B 5/02
 132/321
 2009/0230756 A1* 9/2009 Crossman A46B 5/02
 300/21

2014/0008837 A1* 1/2014 Eatherton A46B 1/00
 264/243
 2014/0166043 A1* 6/2014 Dishon A61C 15/02
 132/329
 2015/0257861 A1* 9/2015 Dishon A61C 15/02
 132/329
 2015/0282601 A1* 10/2015 Butz A46B 1/00
 15/167.1
 2016/0058531 A1* 3/2016 Adriano A61C 15/02
 132/329
 2016/0135932 A1* 5/2016 Butz A61C 15/02
 132/329
 2016/0367345 A1* 12/2016 Wallstrom A61C 15/02

FOREIGN PATENT DOCUMENTS

WO WO D087426-009 * 8/2015
 WO WO D087426-010 * 8/2015
 WO WO D087426-011 * 8/2015
 WO WO D087426-012 * 8/2015

* cited by examiner

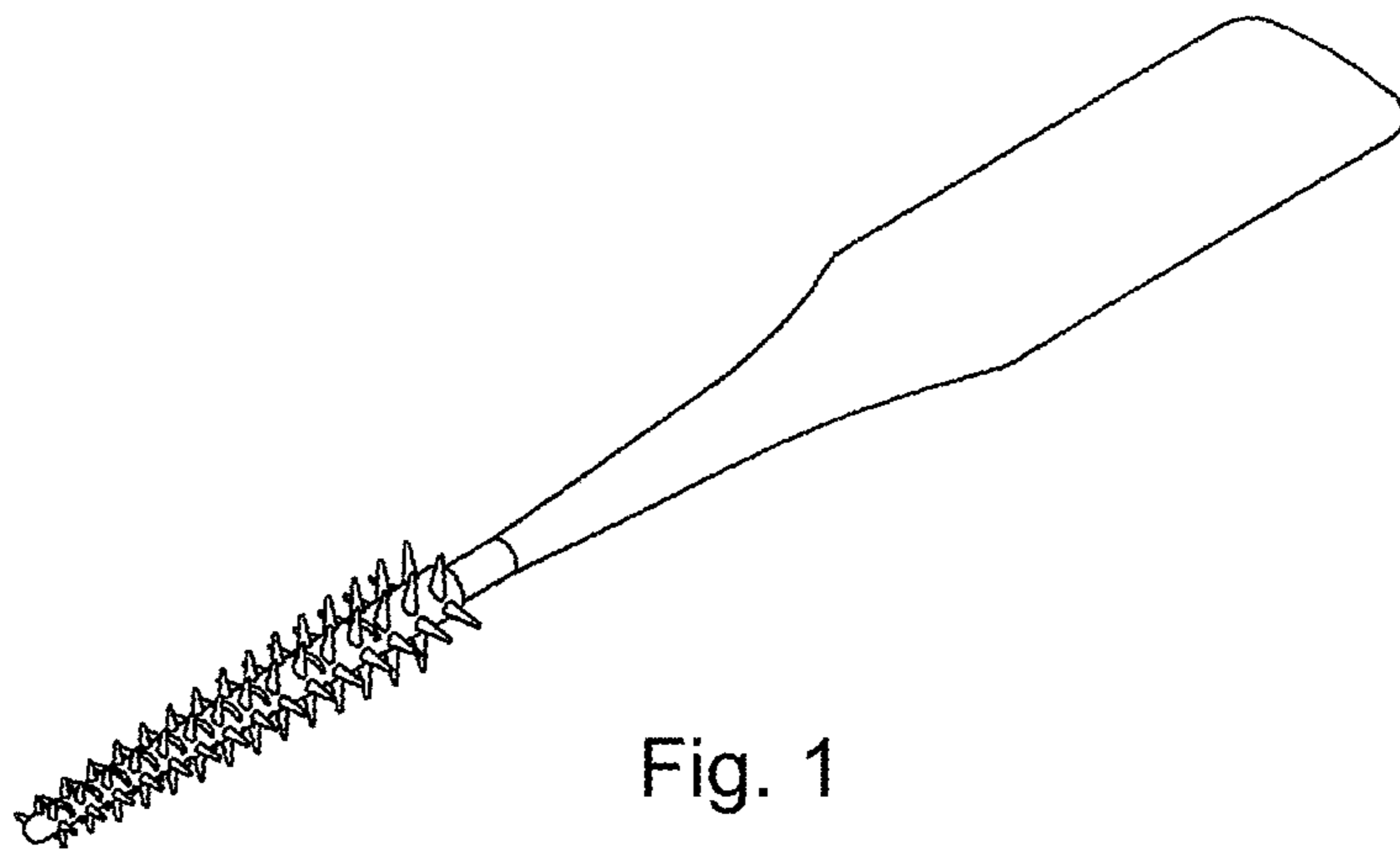


Fig. 1

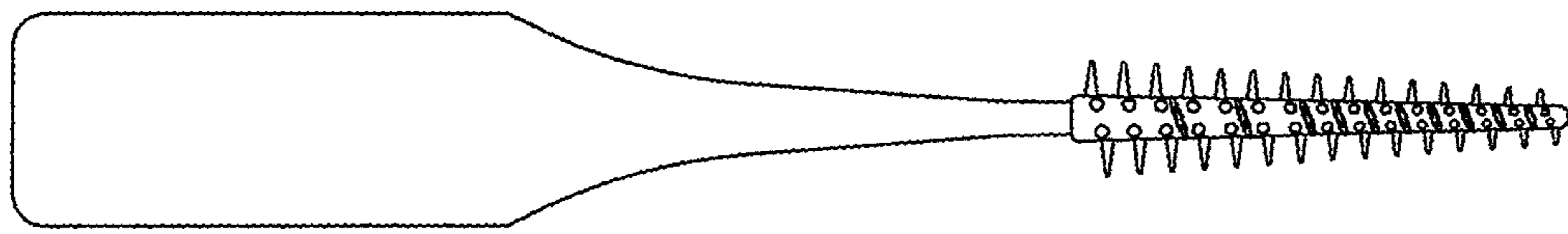


Fig. 2

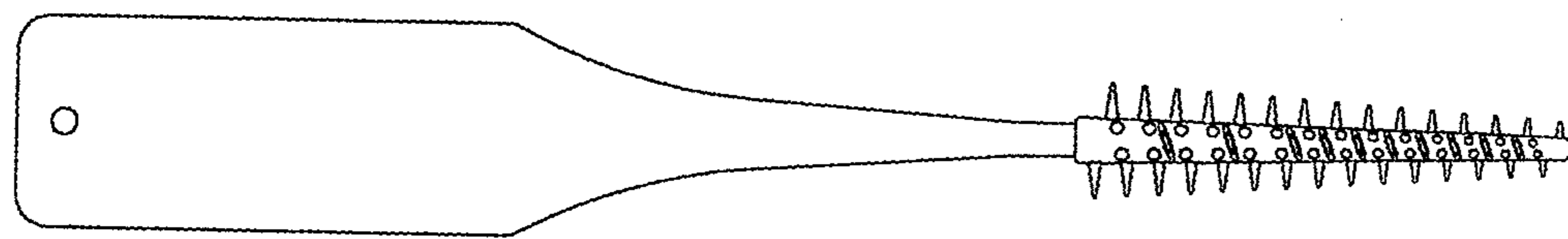


Fig. 3

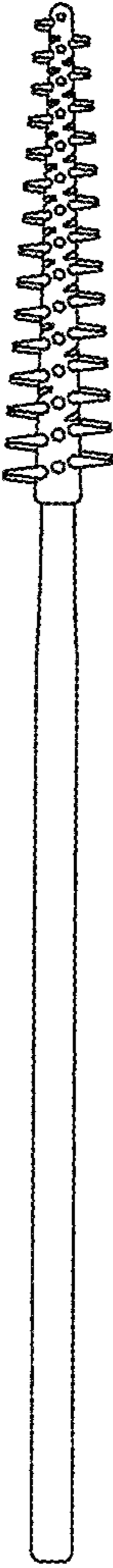


Fig. 4

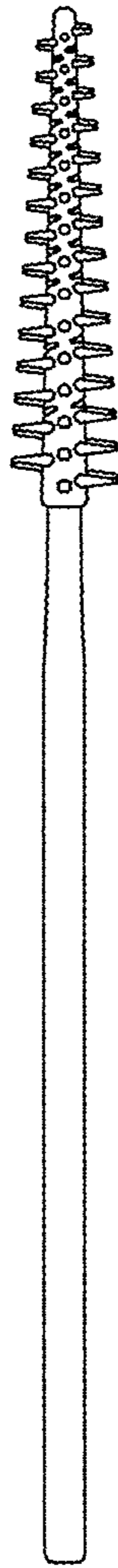


Fig. 5

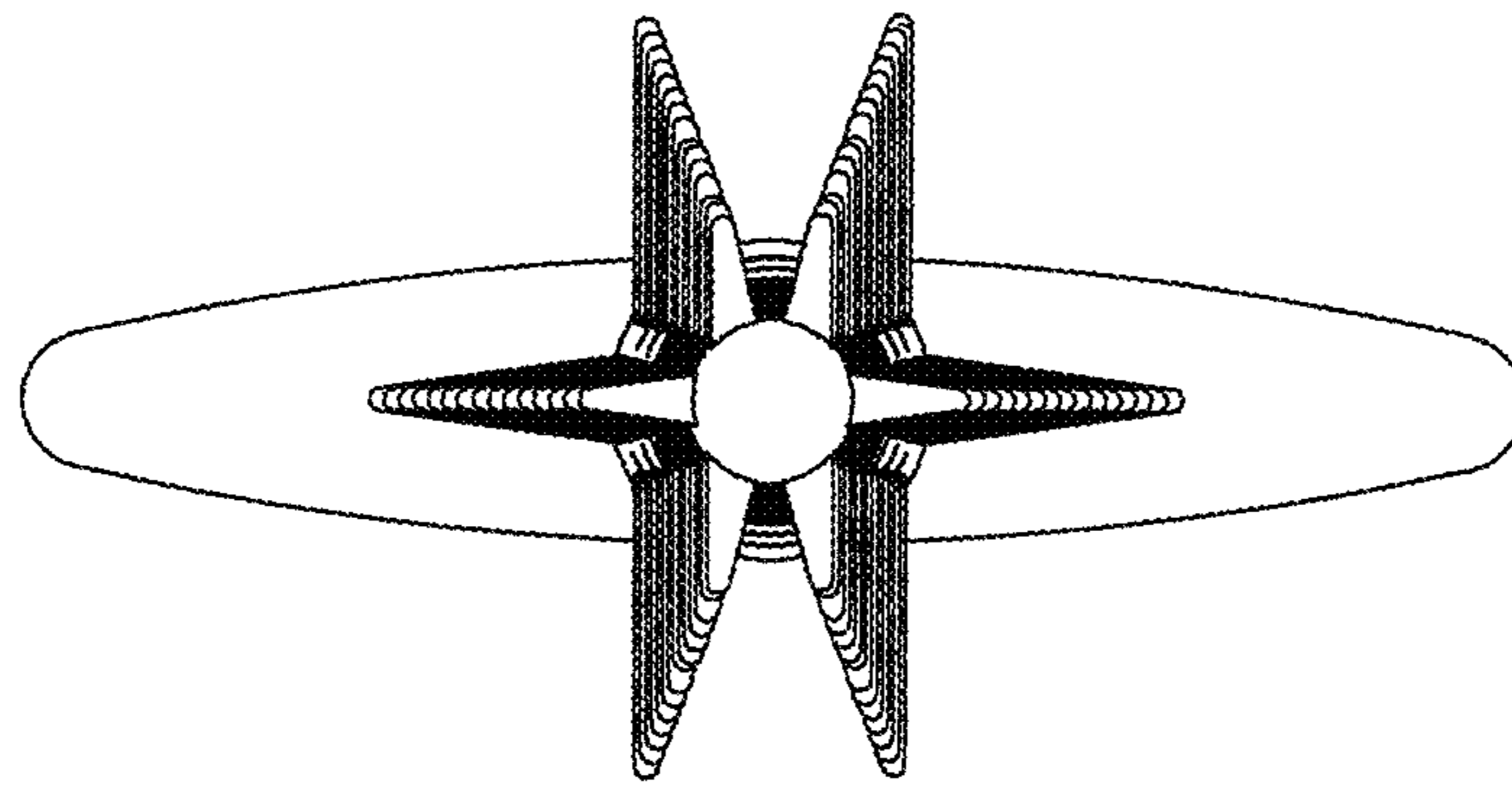


Fig. 6

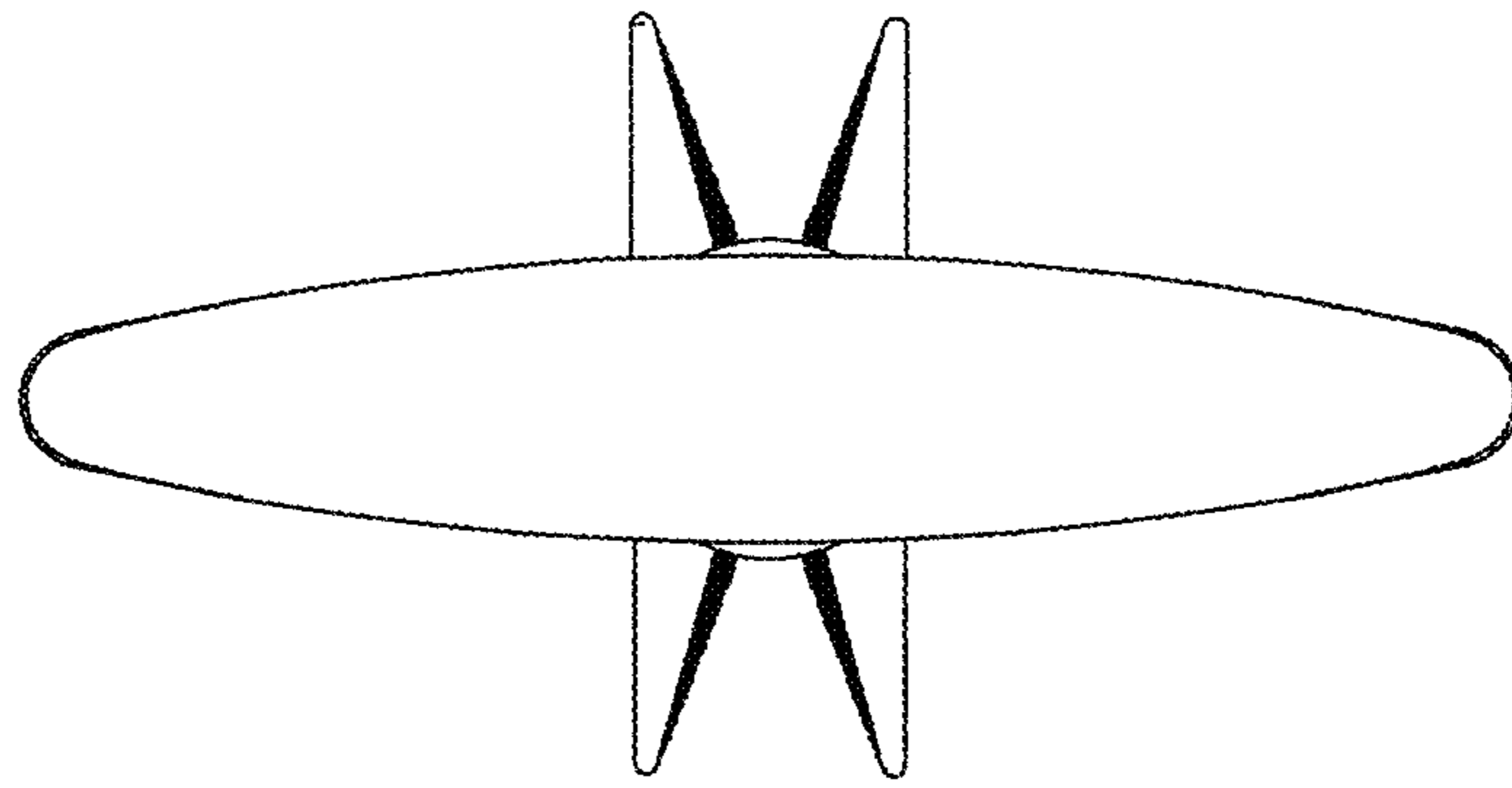


Fig. 7

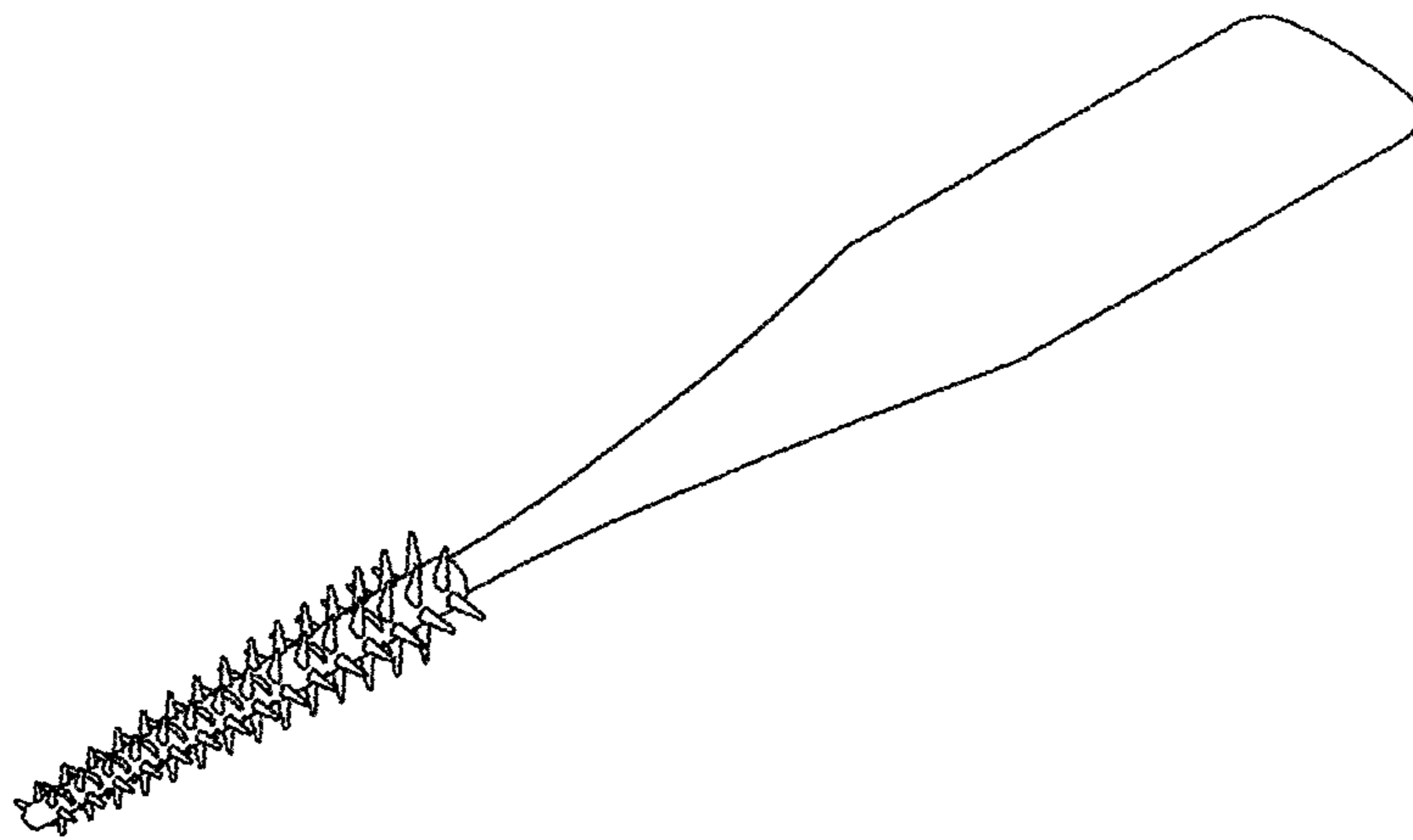


Fig. 8

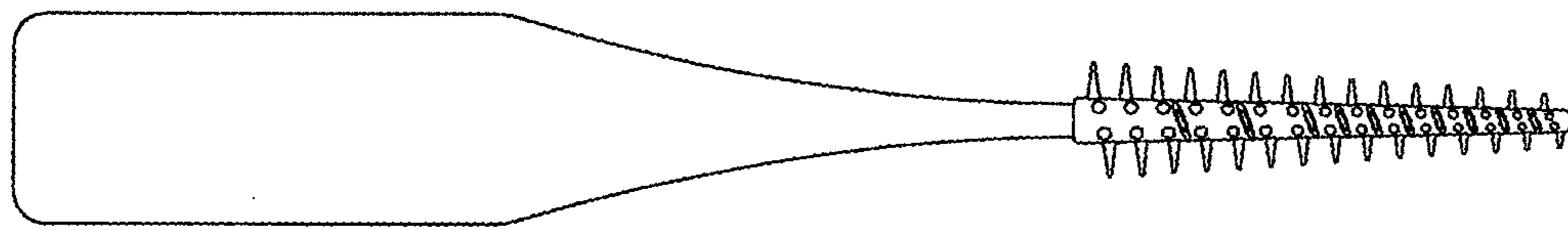


Fig. 9

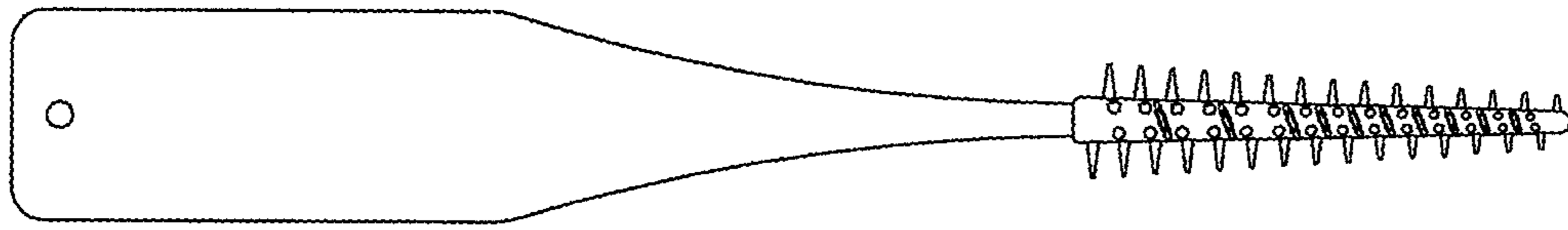


Fig. 10

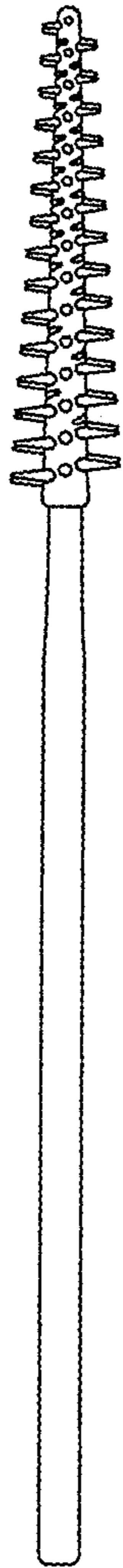


Fig. 11

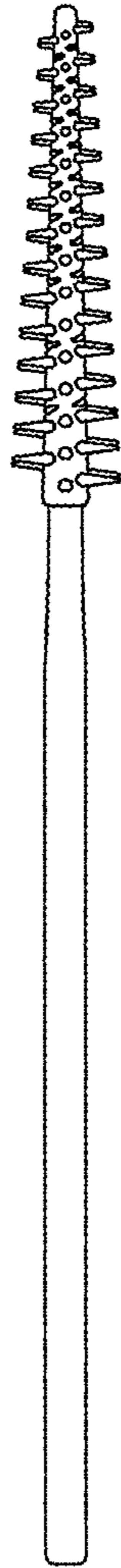


Fig. 12

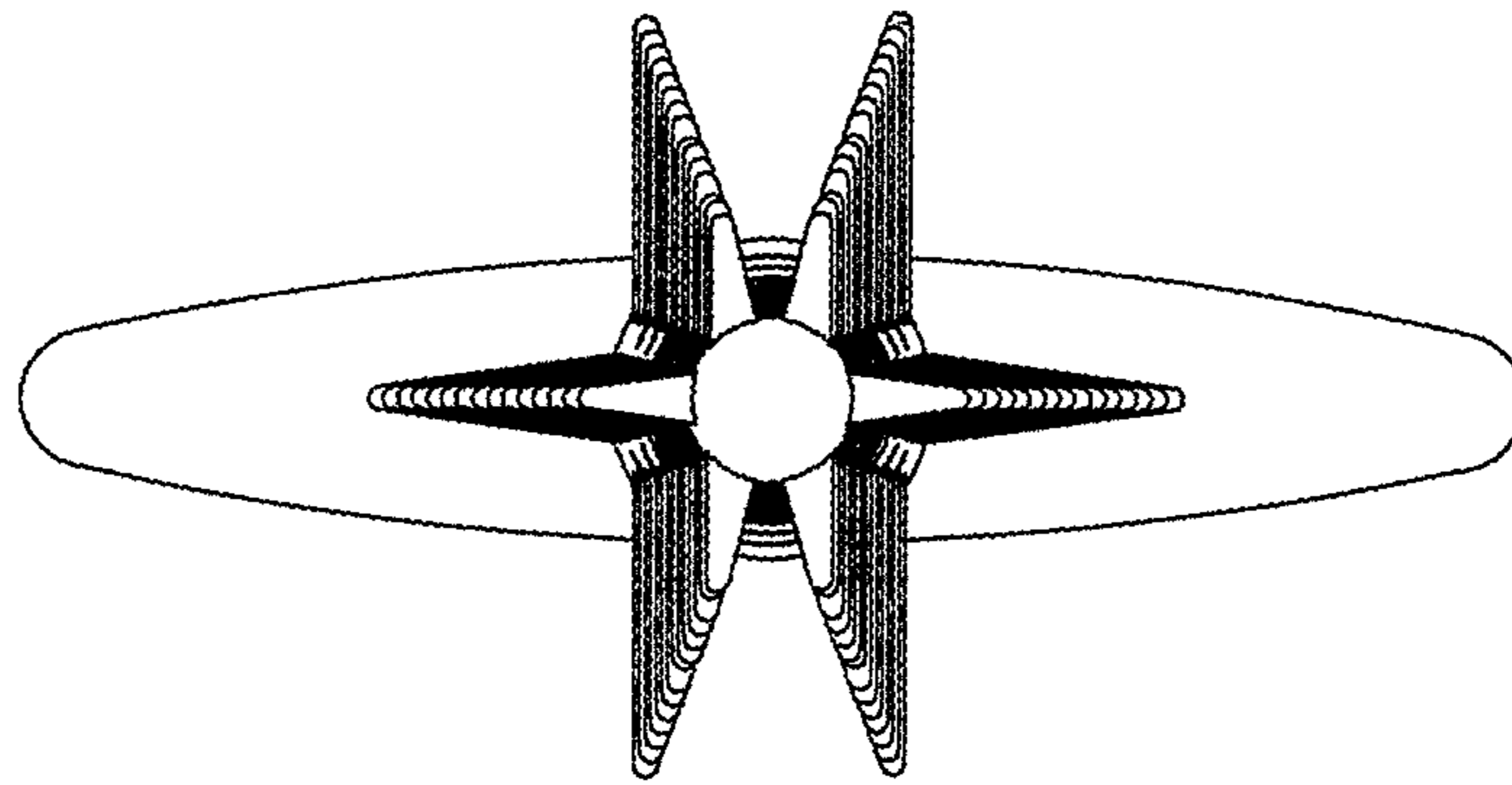


Fig. 13

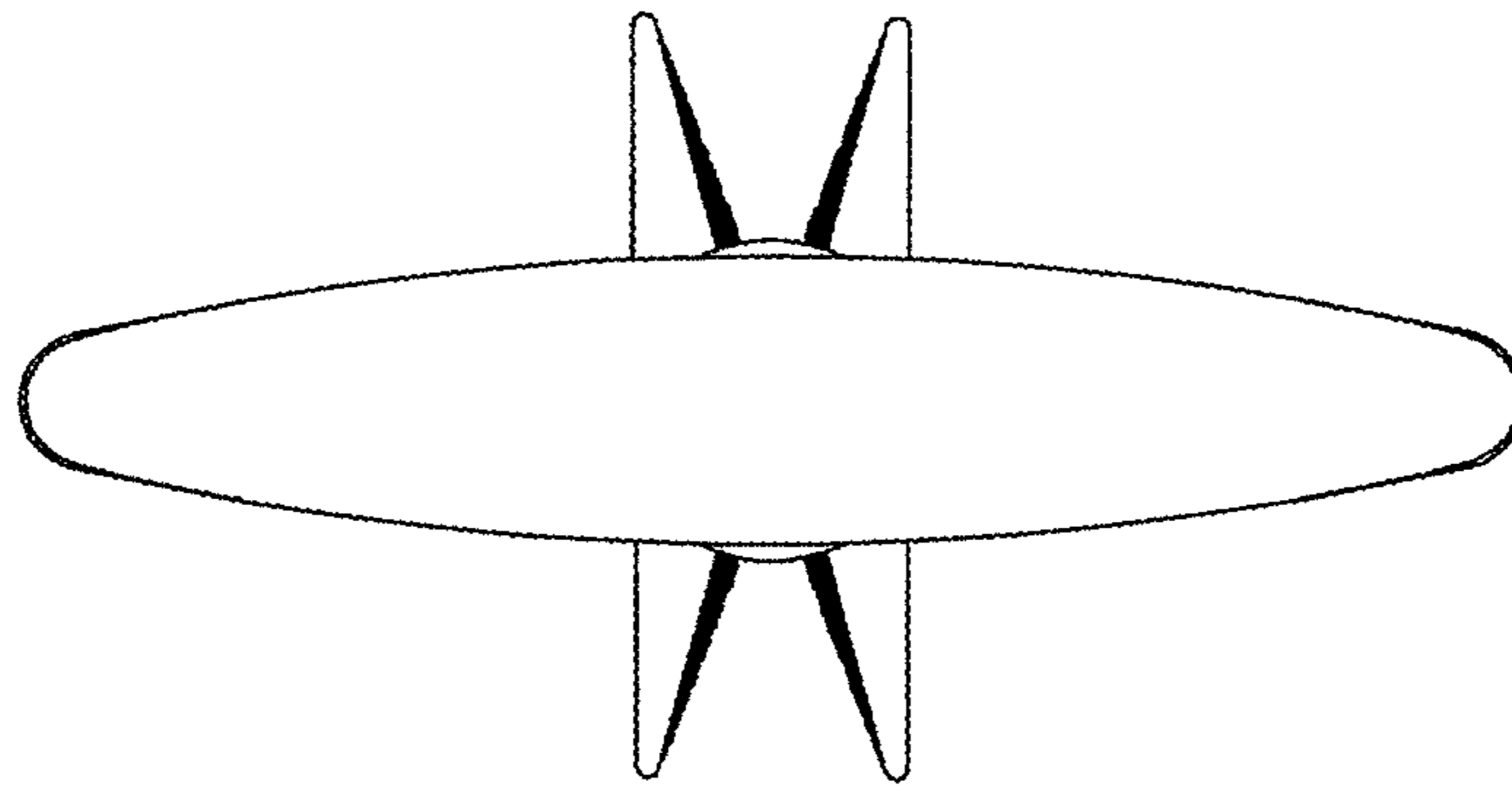


Fig. 14

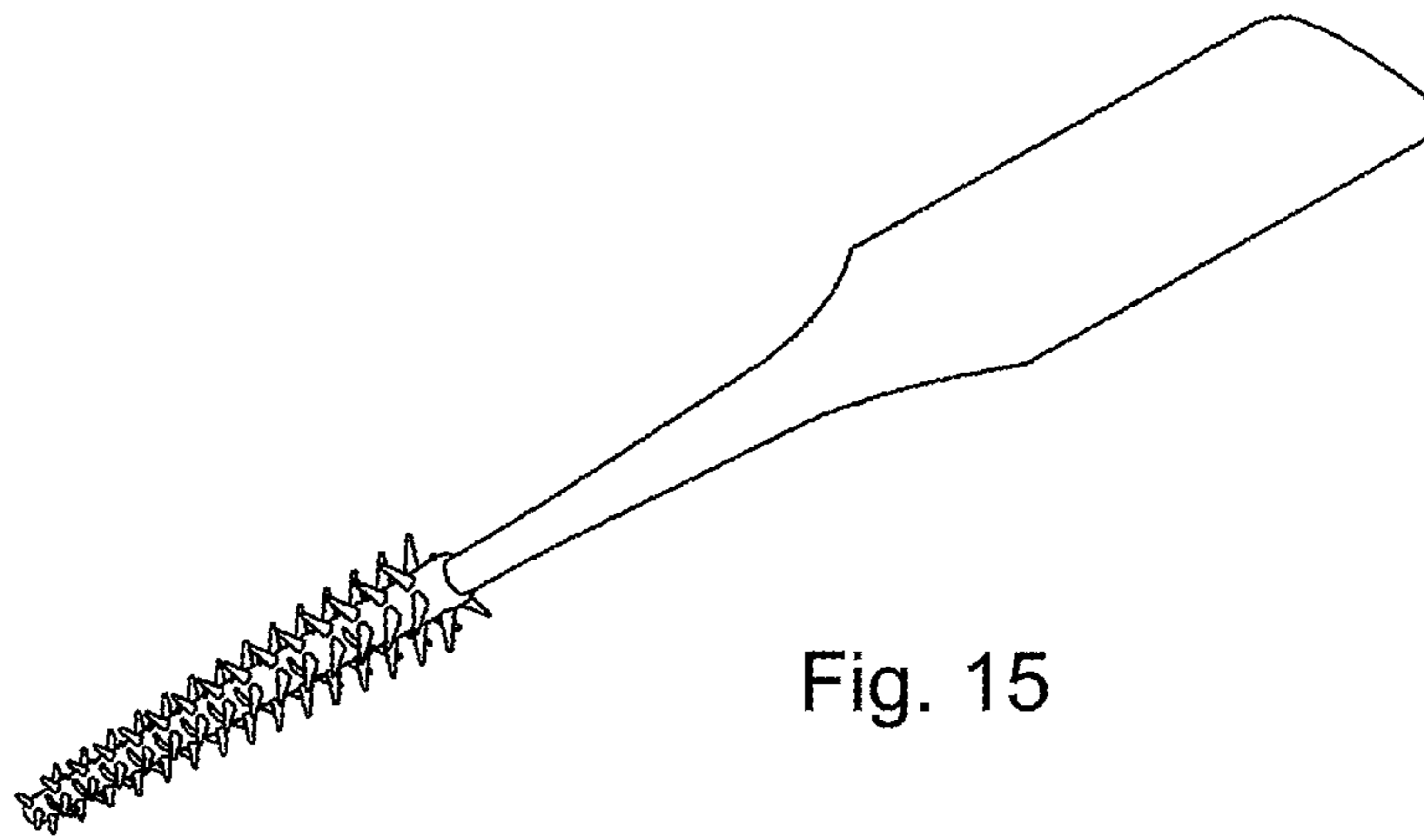


Fig. 15

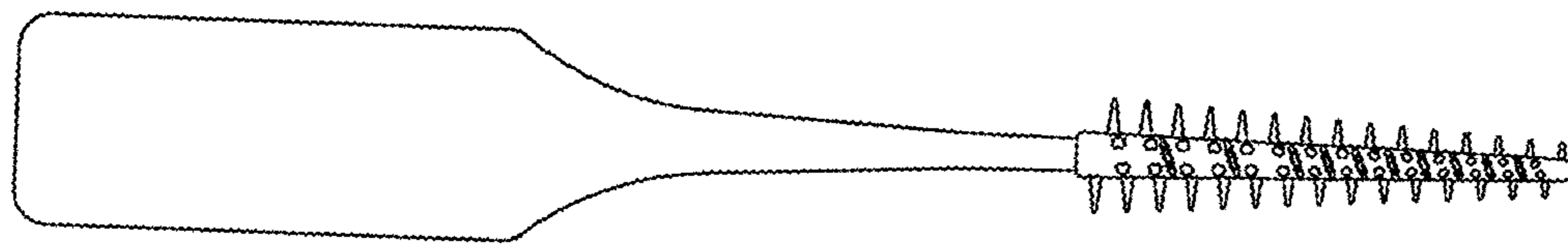


Fig. 16

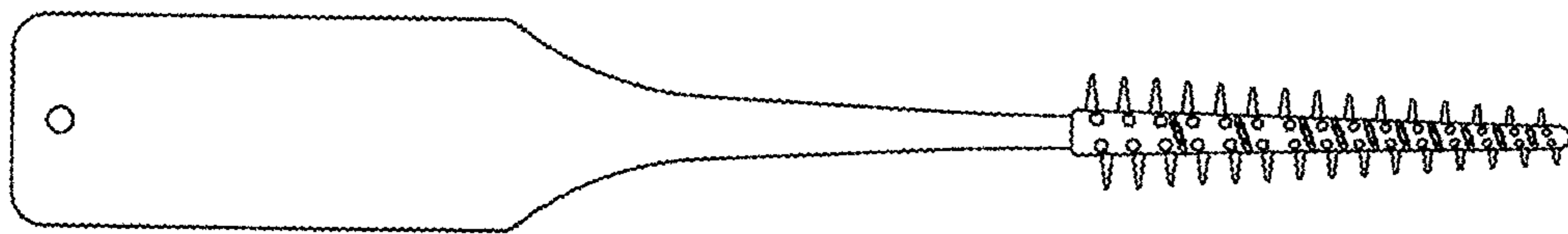


Fig. 17

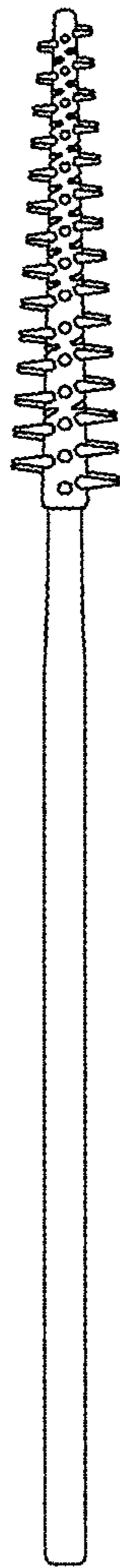


Fig. 18

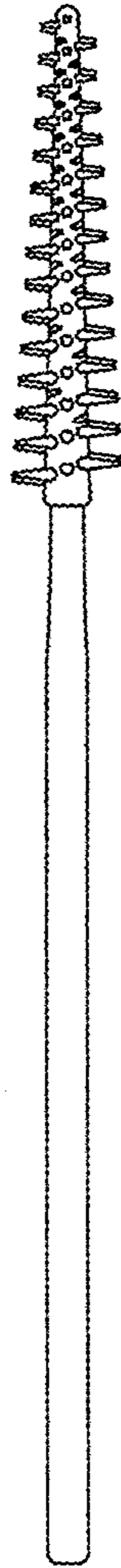


Fig. 19

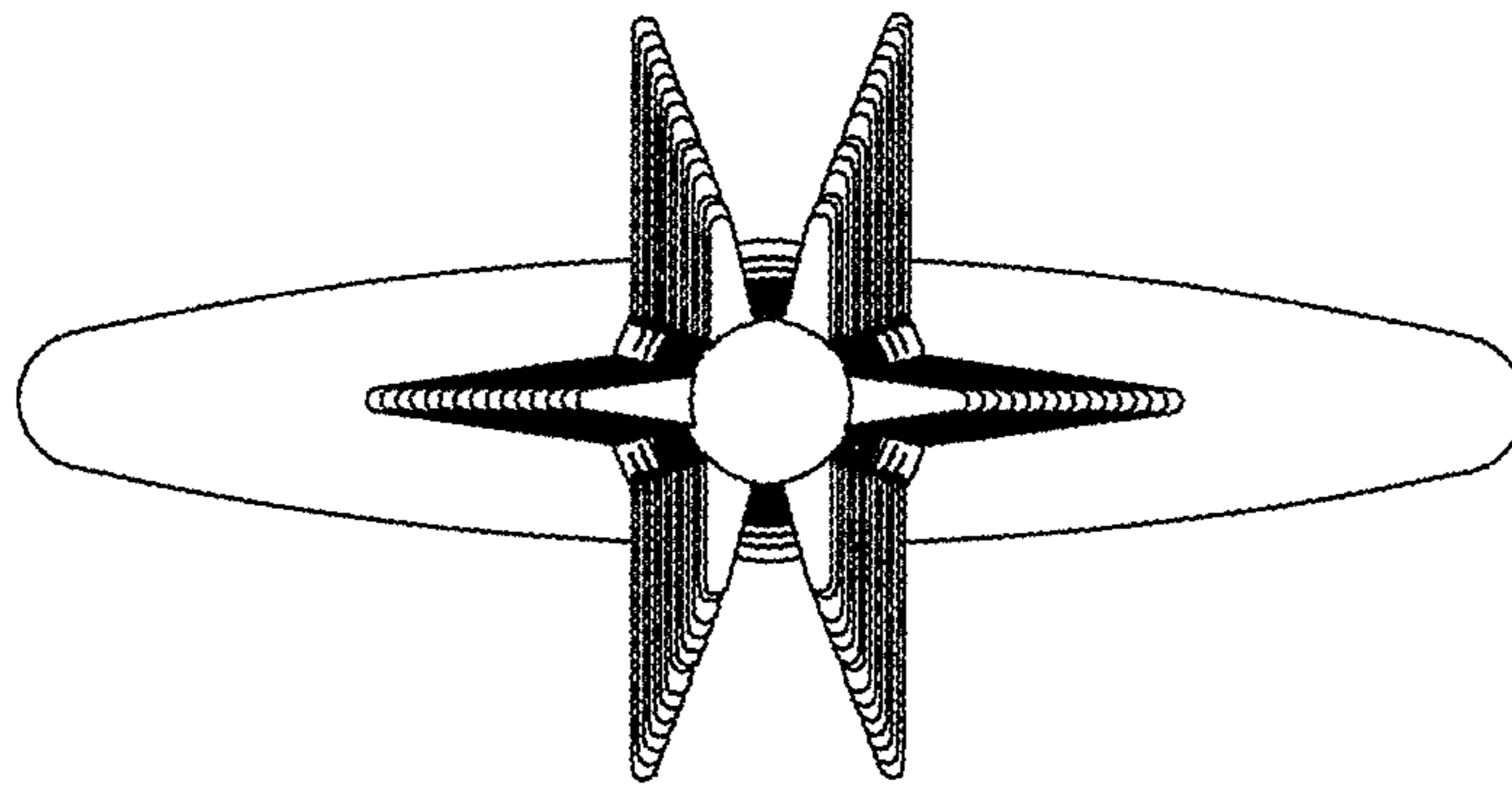


Fig. 20

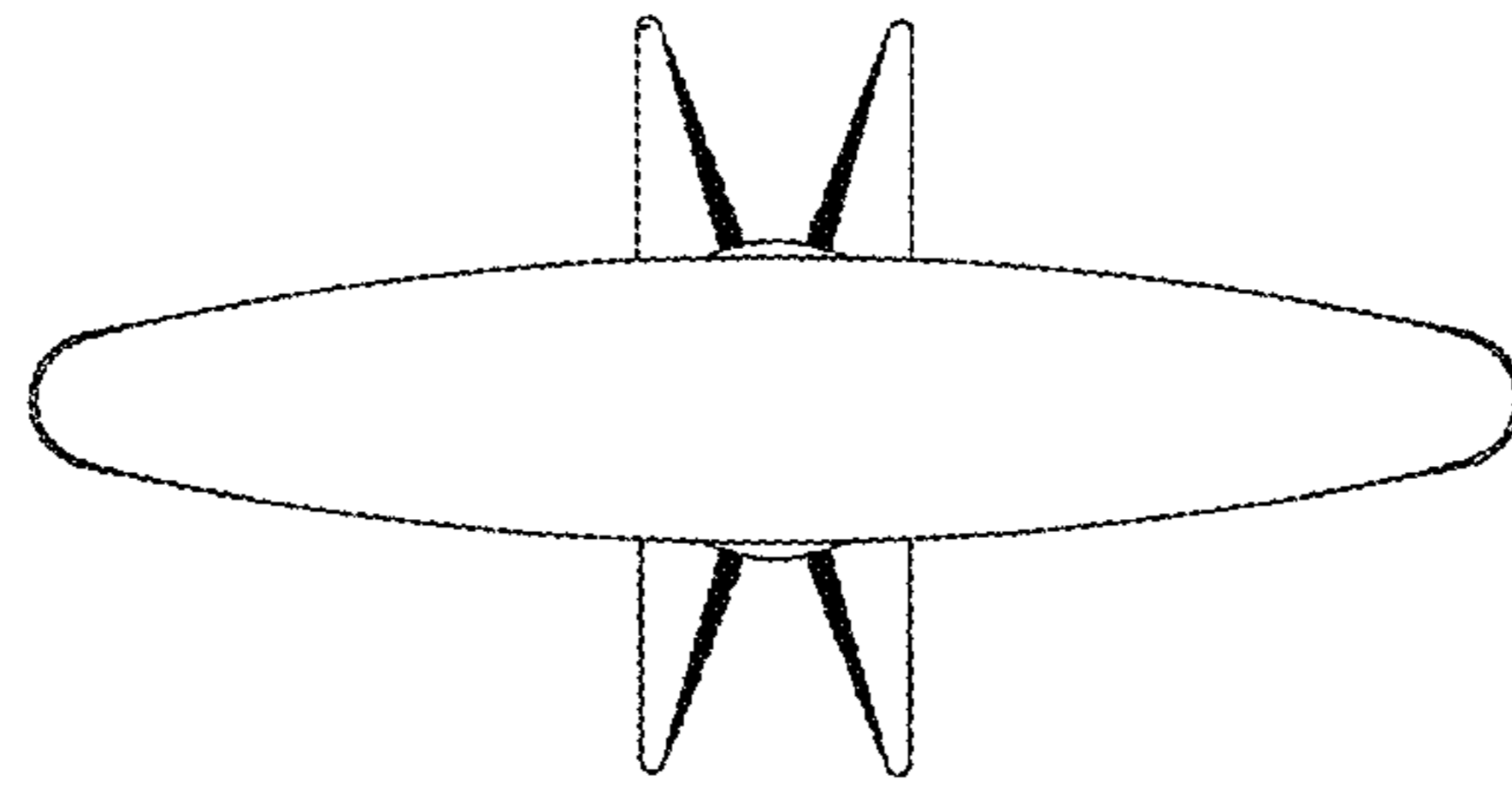


Fig. 21