



US00D922322S

(12) **United States Design Patent** (10) **Patent No.:** **US D922,322 S**
Ashton et al. (45) **Date of Patent:** **** Jun. 15, 2021**

(54) **VERTICAL AXIS WIND TURBINE BLADE**
(71) Applicant: **Jenesis International Inc.**, Benton Harbor, MI (US)
(72) Inventors: **Robert H. Ashton**, Watervliet, MI (US); **Mark Adam Goldy**, Anthem, AZ (US)
(73) Assignee: **Jenesis International Inc.**, Benton Harbor, MI (US)
(**) Term: **15 Years**
(21) Appl. No.: **29/681,147**
(22) Filed: **Feb. 22, 2019**
(51) **LOC (13) Cl.** **13-01**
(52) **U.S. Cl.**
USPC **D13/115**
(58) **Field of Classification Search**
USPC D13/115–118; D26/61–67, 51, 57, 59; D21/455, 458

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,345,957 B1 * 2/2002 Szpur F03D 3/065
416/197 A
D554,546 S * 11/2007 Hart D10/59

(Continued)

OTHER PUBLICATIONS

207302, Sharper Image Online, published on Mar. 16, 2020, retrieved on Jun. 30, 2020, retrieved from the Internet URL: https://www.youtube.com/watch?v=yBuC91LqBxs&feature=emb_logo.*

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(57) **CLAIM**

The ornamental design for a vertical axis wind turbine blade, as shown and described.

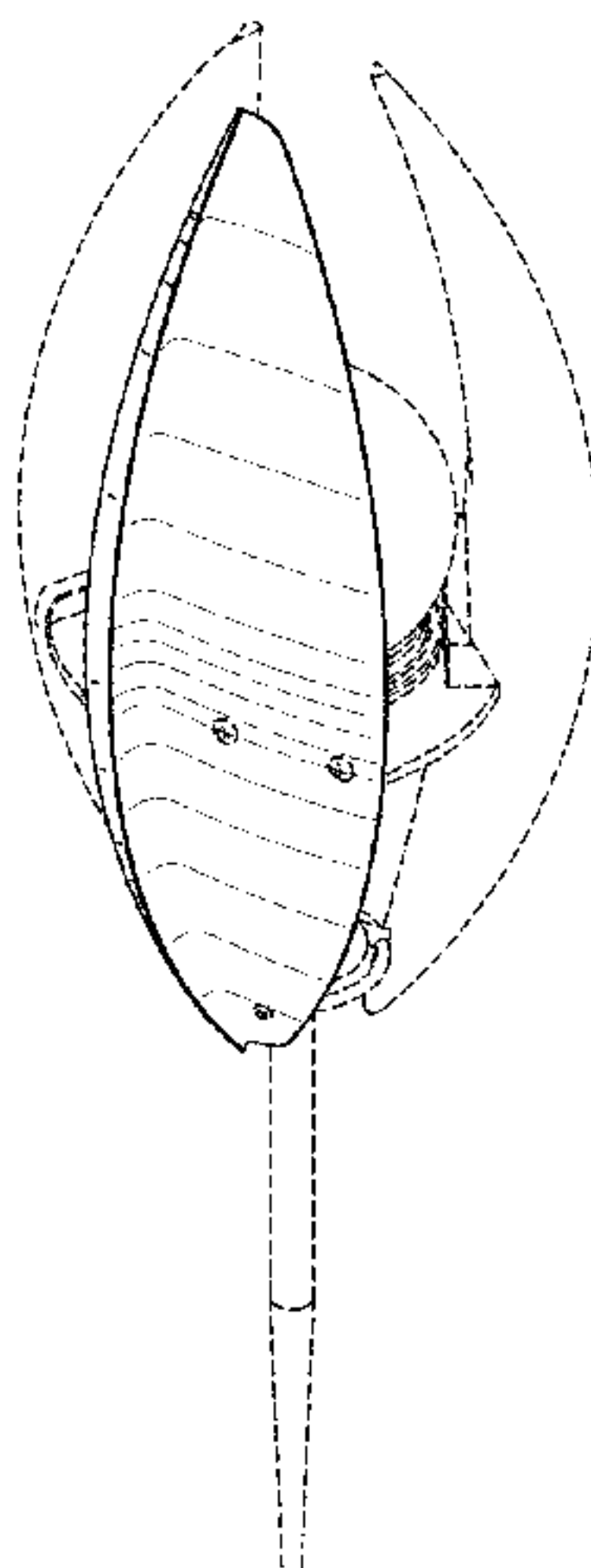
DESCRIPTION

FIG. 1 is a perspective view of a vertical axis wind turbine blade, showing our new design, shown in an environment of use;

FIG. 2 is a second perspective view thereof;
FIG. 3 is a front elevation view thereof, shown separately from the environment;
FIG. 4 is a rear elevation view thereof;
FIG. 5 is a right side elevation view thereof;
FIG. 6 is a left side elevation view thereof;
FIG. 7 is a top plan view thereof;
FIG. 8 is a bottom plan view thereof;
FIG. 9 is a cross section view taken along line 9-9 of FIG. 3;
FIG. 10 is a cross section view taken along line 10-10 of FIG. 3;
FIG. 11 is a cross section view taken along line 11-11 of FIG. 3;
FIG. 12 is a cross section view taken along line 12-12 of FIG. 3;
FIG. 13 is a cross section view taken along line 13-13 of FIG. 3;
FIG. 14 is a cross section view taken along line 14-14 of FIG. 3;
FIG. 15 is a cross section view taken along line 15-15 of FIG. 3;
FIG. 16 is a cross section view taken along line 16-16 of FIG. 3;
FIG. 17 is a front elevation view thereof, shown in an environment of use;
FIG. 18 is a cross section view taken along line 18-18 of FIG. 17;
FIG. 19 is a cross section view taken along line 19-19 of FIG. 17;
FIG. 20 is a cross section view taken along line 20-20 of FIG. 17;
FIG. 21 is a cross section view taken along line 21-21 of FIG. 17;
FIG. 22 is a cross section view taken along line 22-22 of FIG. 17;
FIG. 23 is a cross section view taken along line 23-23 of FIG. 17; and,
FIG. 24 is a cross section view taken along line 24-24 of FIG. 17.

In the drawings, the broken lines illustrate environmental subject matter only and form no part of the claimed design.

1 Claim, 10 Drawing Sheets



(58) **Field of Classification Search**

CPC F03D 1/00; F03D 1/04; F03D 3/00; F03D
3/06; F03D 7/06; F03D 13/20; F03D
80/00

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D594,818 S *	6/2009	Doucet	D13/115
D626,505 S *	11/2010	Sonne	D13/115
7,948,110 B2 *	5/2011	Morgan	F03D 3/005
			290/44
8,602,718 B2 *	12/2013	Rokeby-Thomas	F03D 3/061
			415/4.2
8,864,440 B2 *	10/2014	Sauer, Jr.	F03D 3/065
			415/4.2
9,951,752 B2 *	4/2018	Gan Chowdhury	F03D 3/002
D818,414 S *	5/2018	Bills	D12/214
D869,395 S *	12/2019	Huang	D13/115
2004/0061337 A1 *	4/2004	Becker	F03D 3/005
			290/44
2007/0029807 A1 *	2/2007	Kass	F03D 3/065
			290/55
2009/0317255 A1 *	12/2009	Bertony	F03D 3/061
			416/198 R
2015/0233353 A1 *	8/2015	Bertony	F03D 7/06
			416/146 R
2018/0066633 A1 *	3/2018	Bojanovich	F03D 7/0268
2020/0158074 A1 *	5/2020	Inagaki	F03D 13/22

* cited by examiner

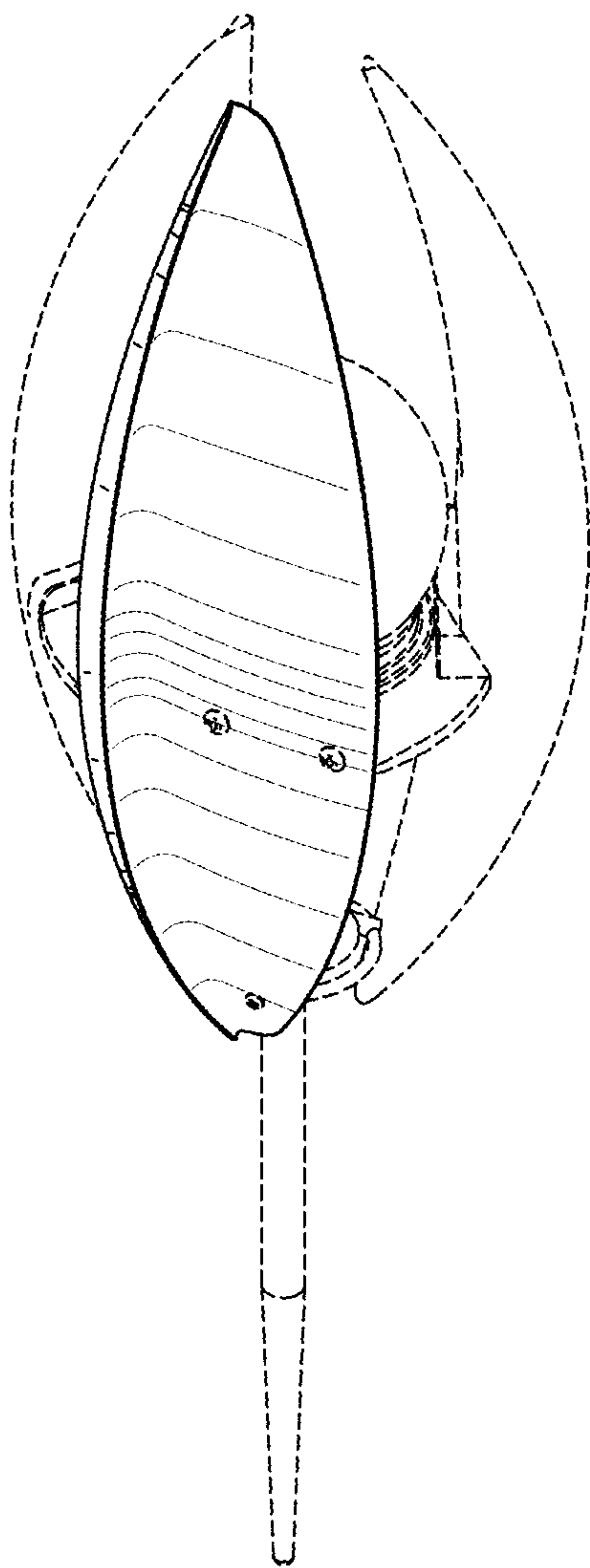


FIG. 1

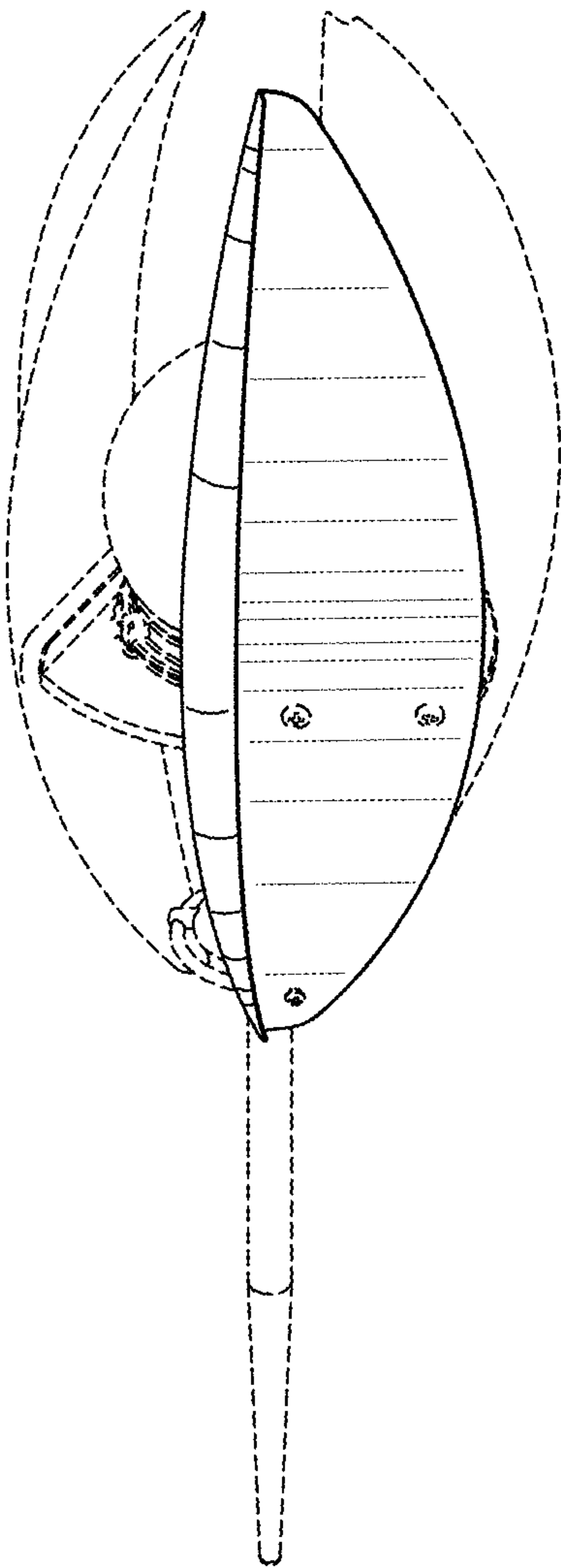


FIG. 2

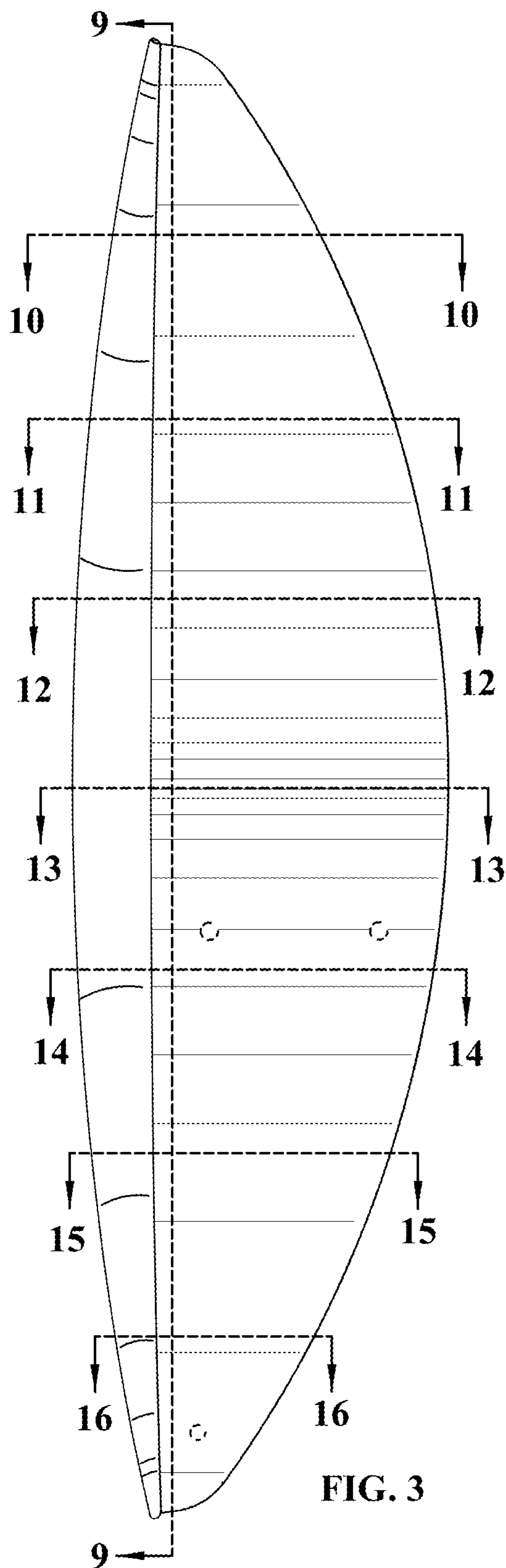


FIG. 3

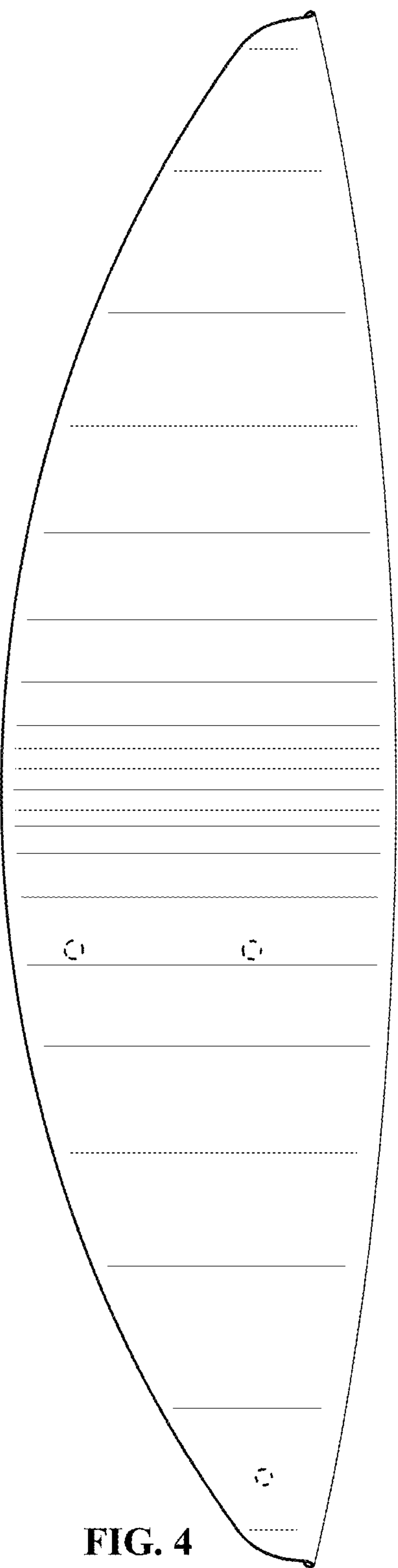


FIG. 4

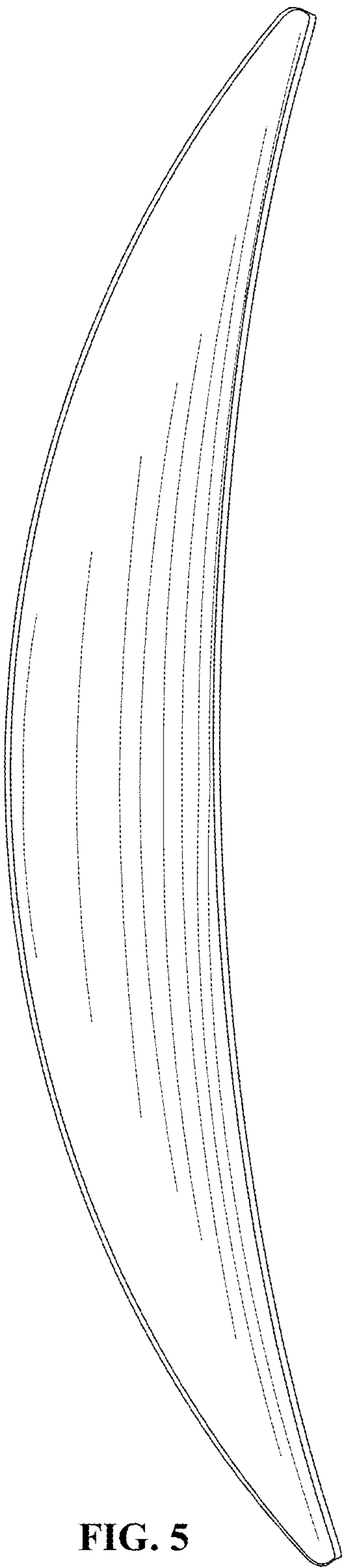


FIG. 5

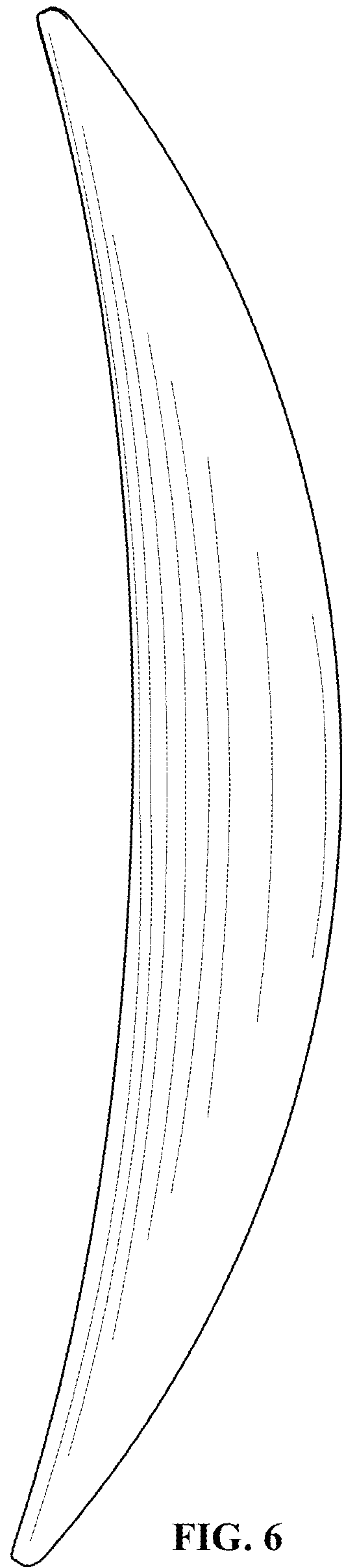


FIG. 6

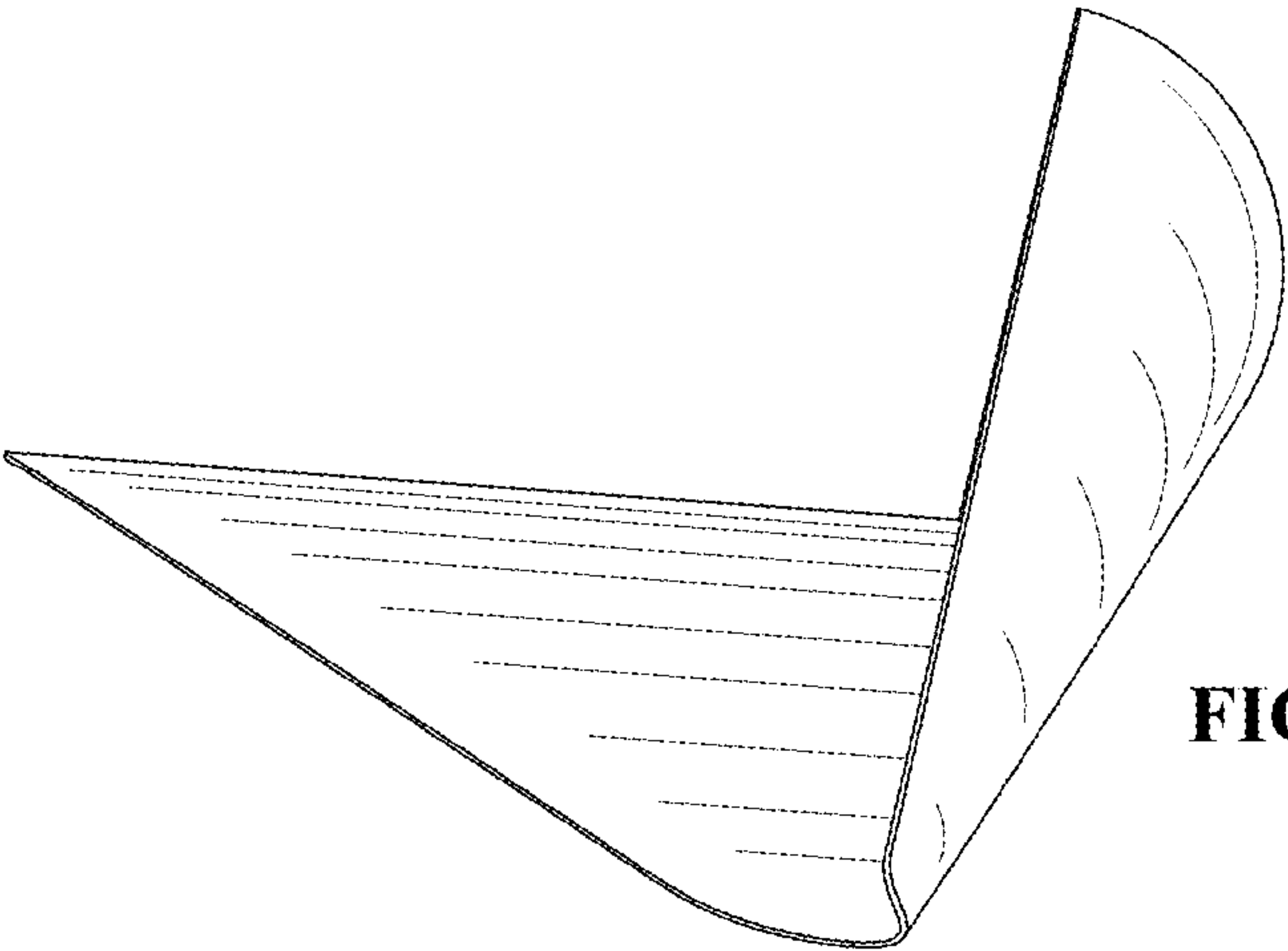


FIG. 7

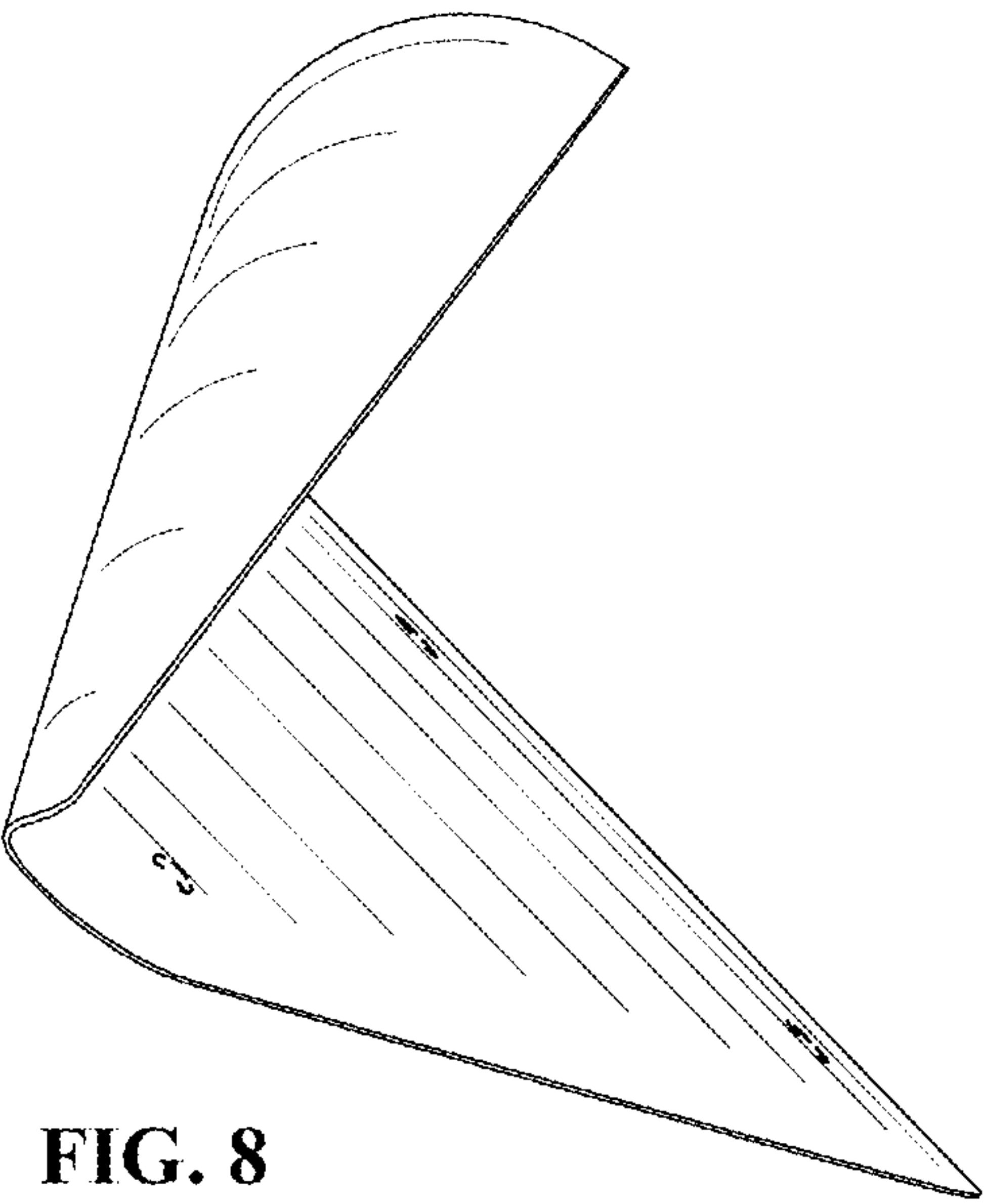


FIG. 8

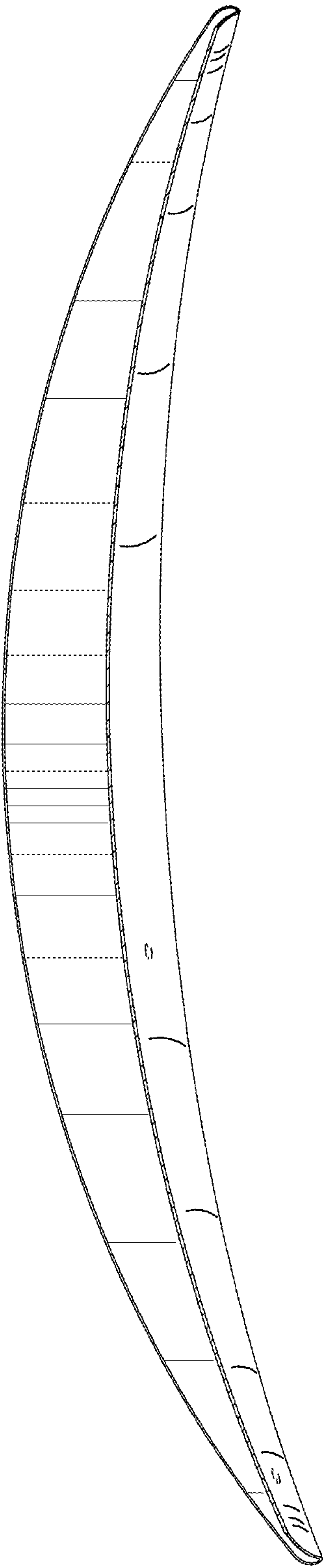


FIG. 9

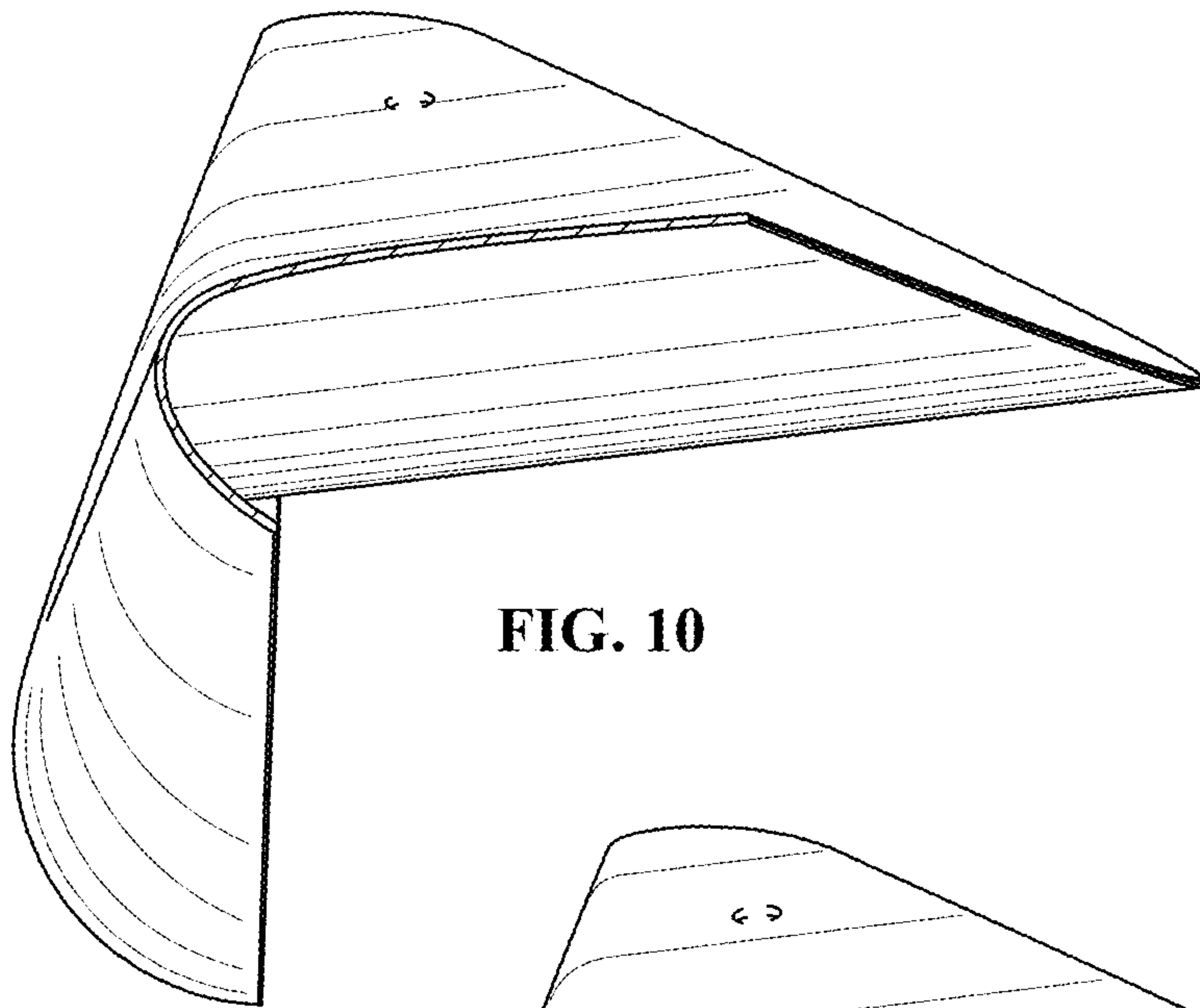


FIG. 10

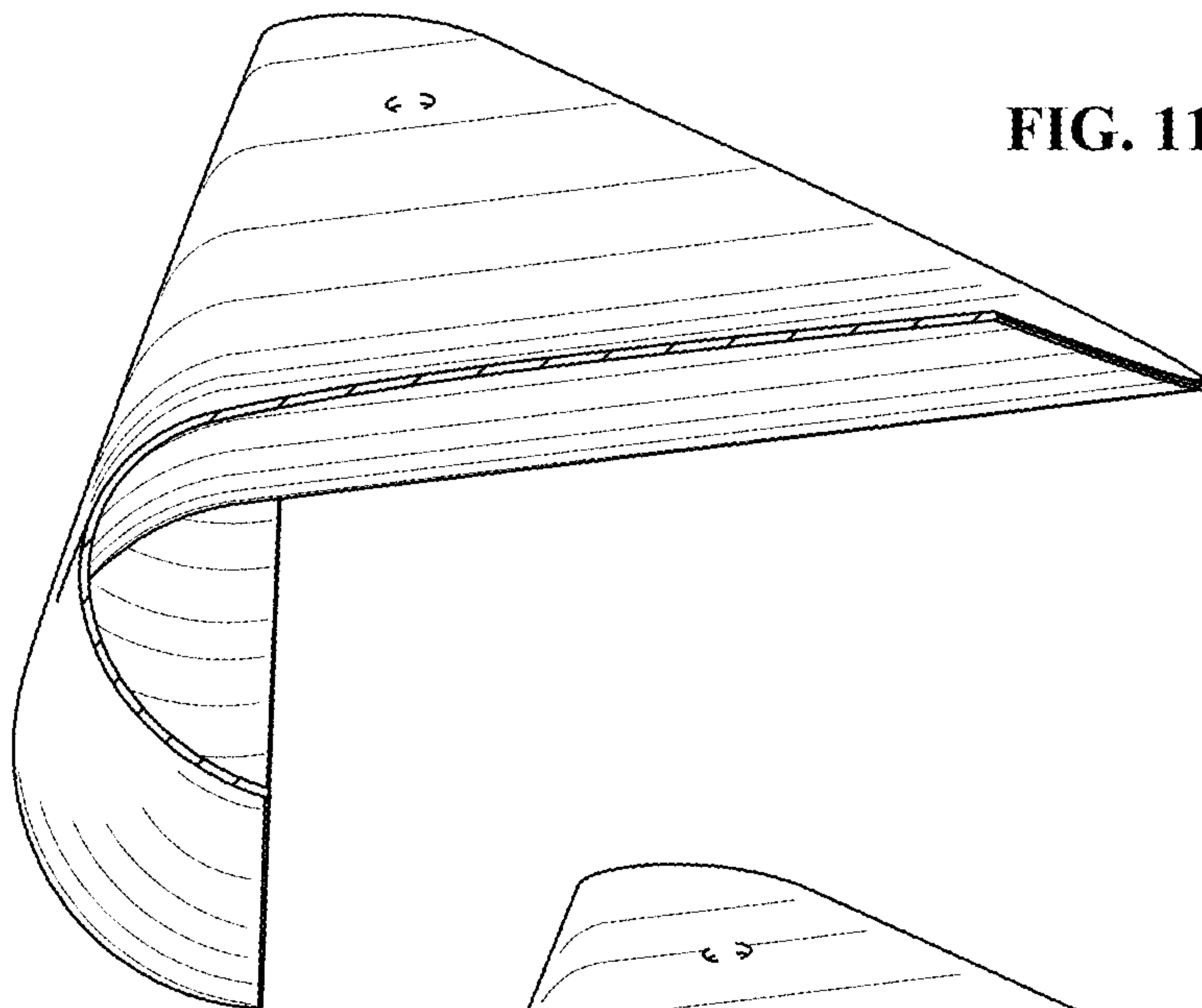


FIG. 11

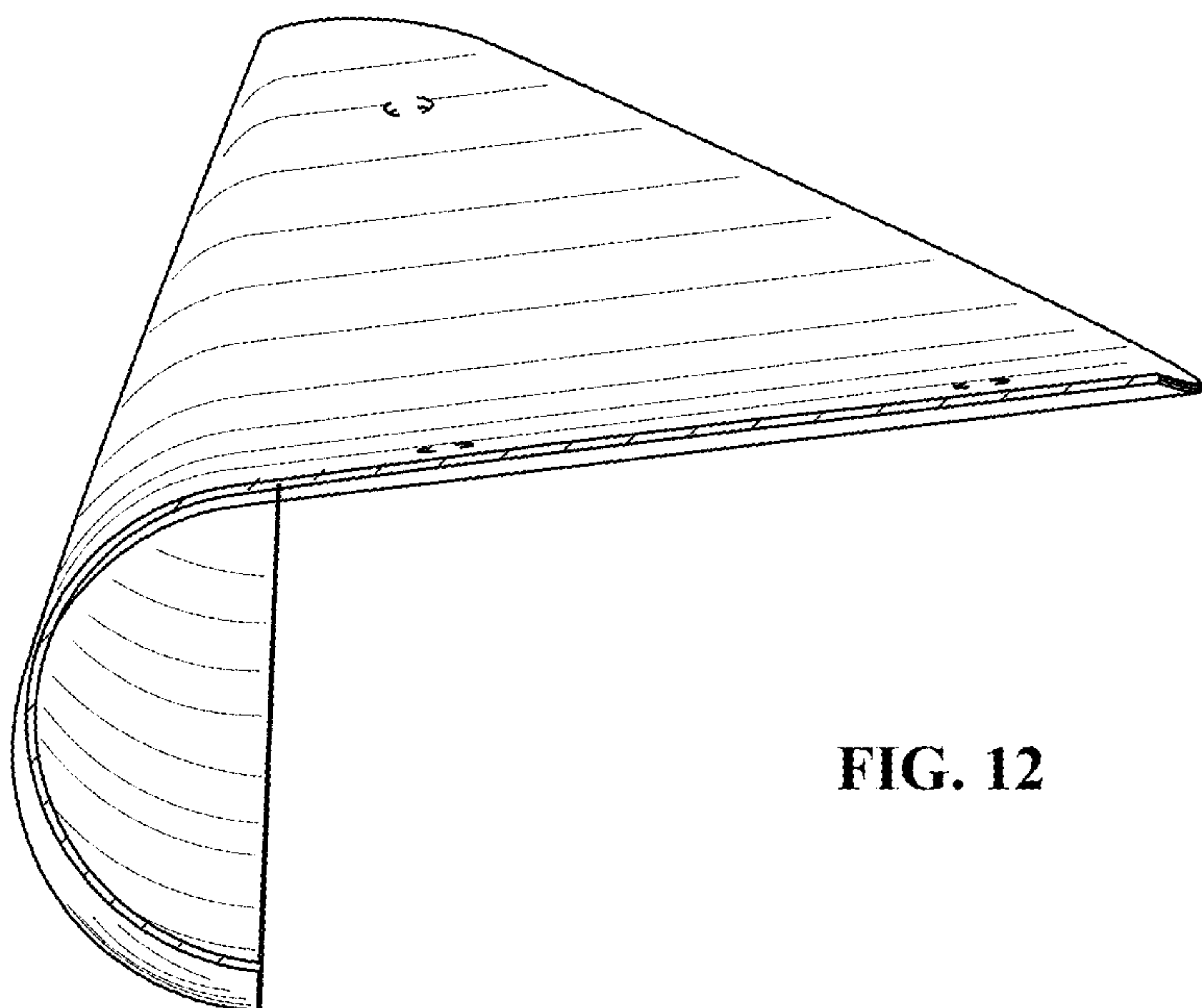


FIG. 12

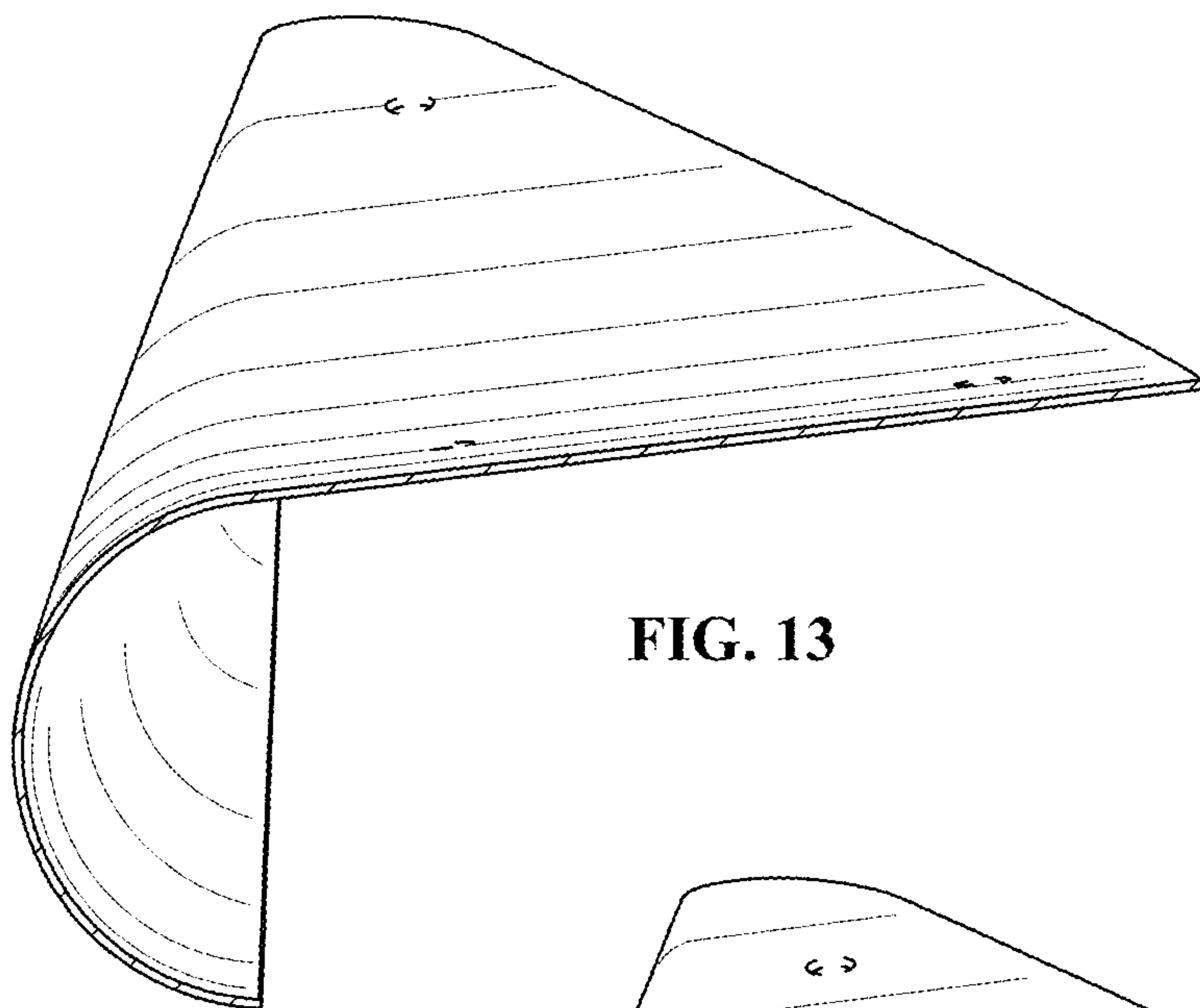


FIG. 13

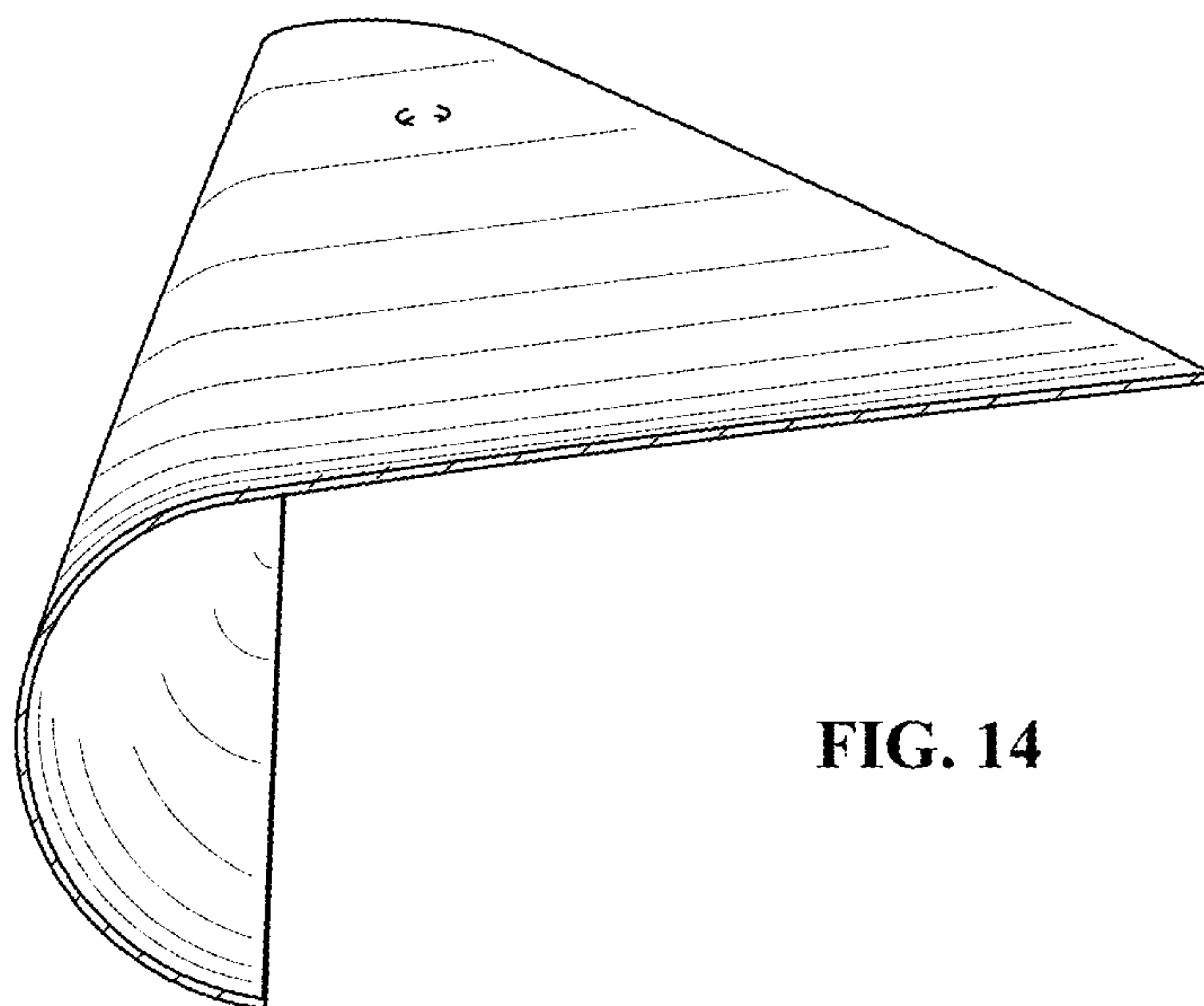


FIG. 14

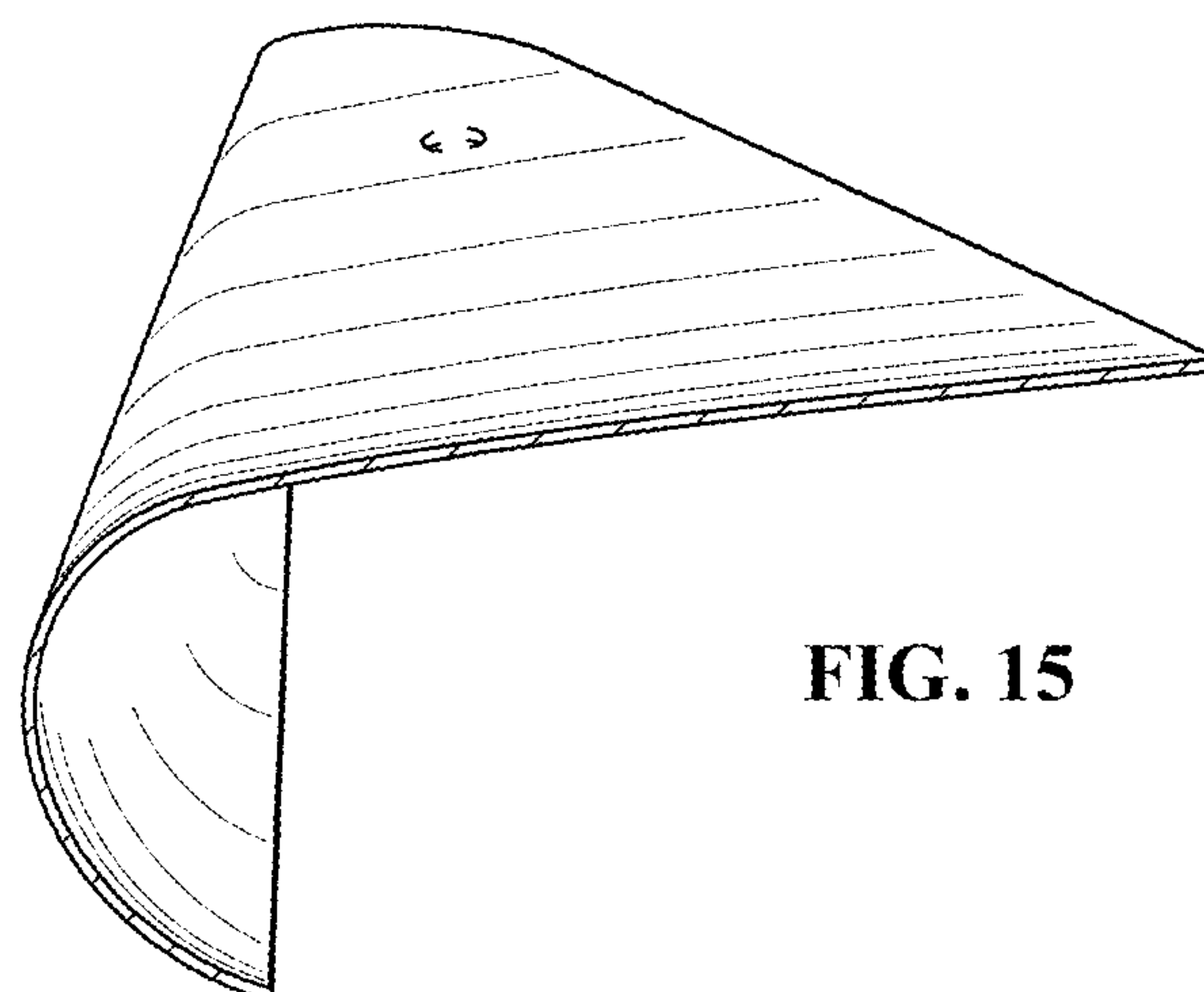


FIG. 15

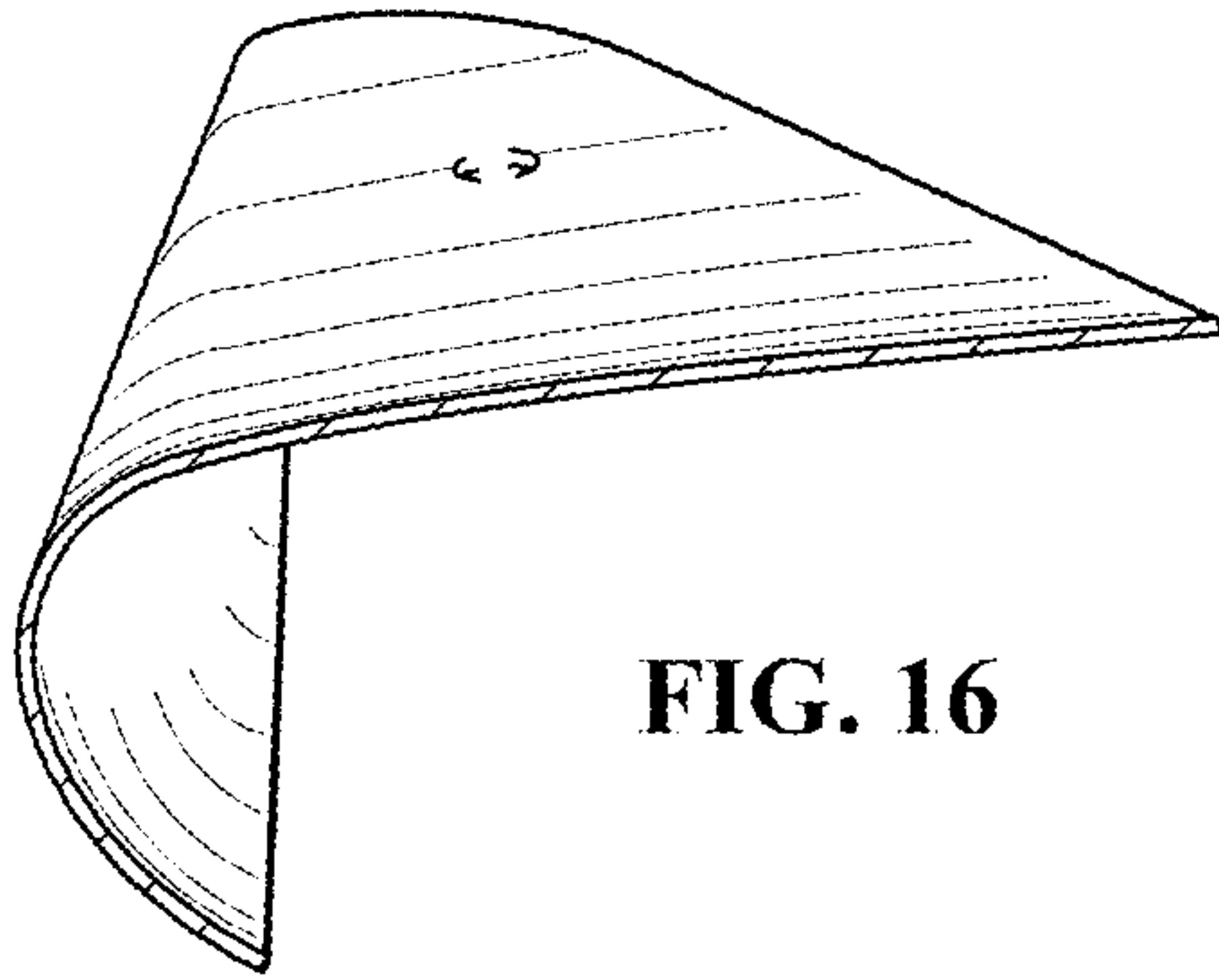


FIG. 16

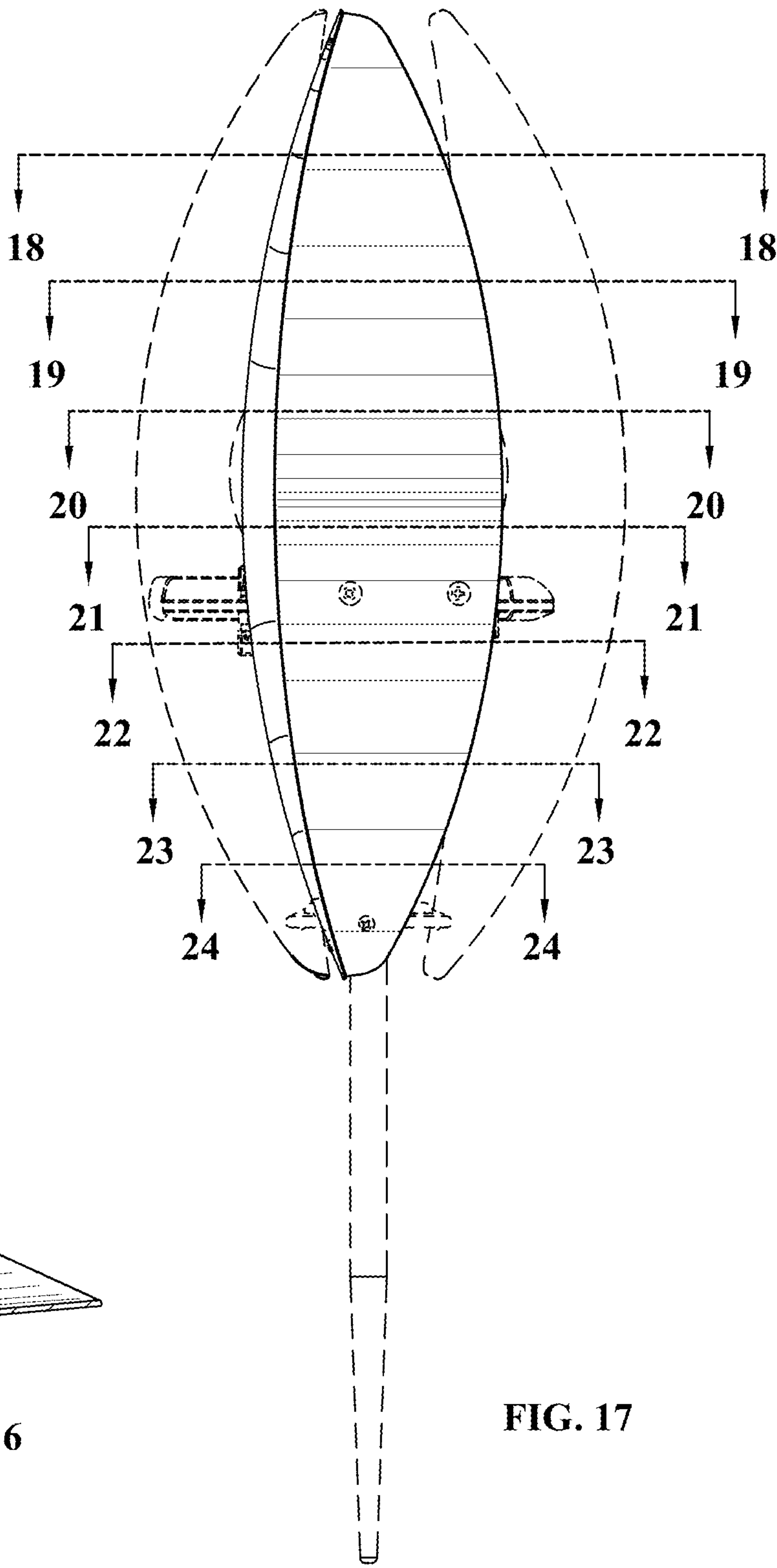


FIG. 17

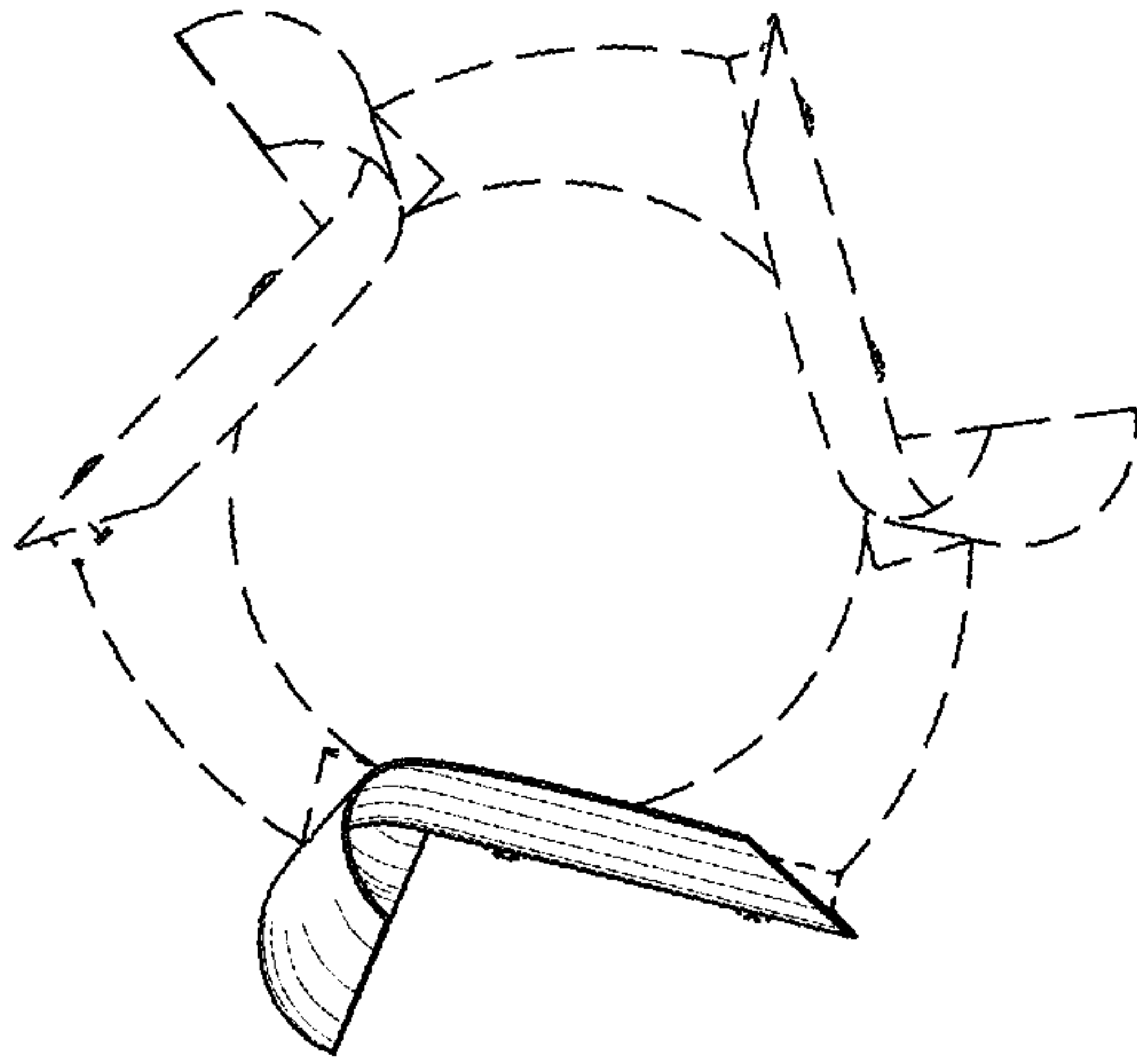


FIG. 18

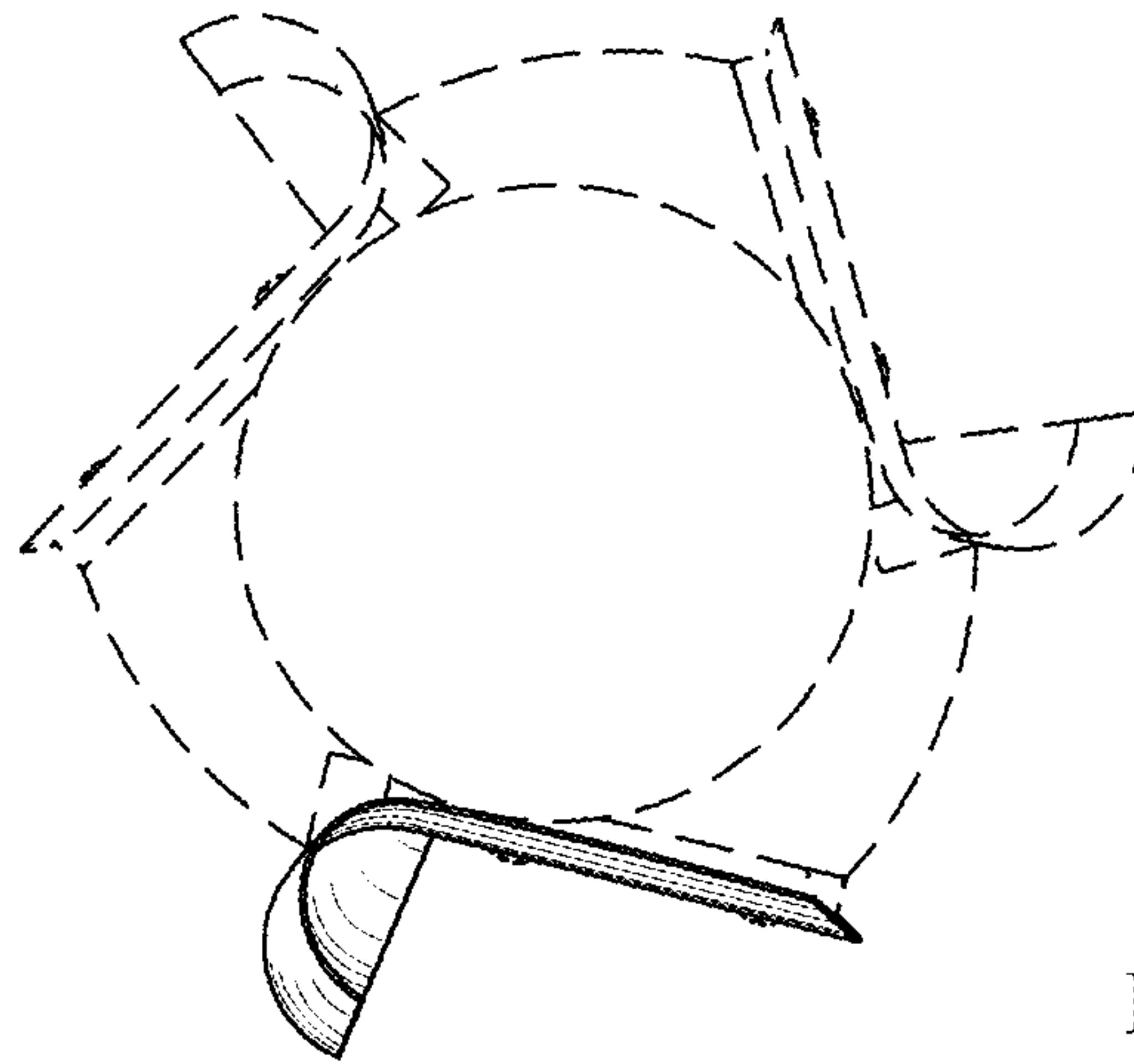


FIG. 19

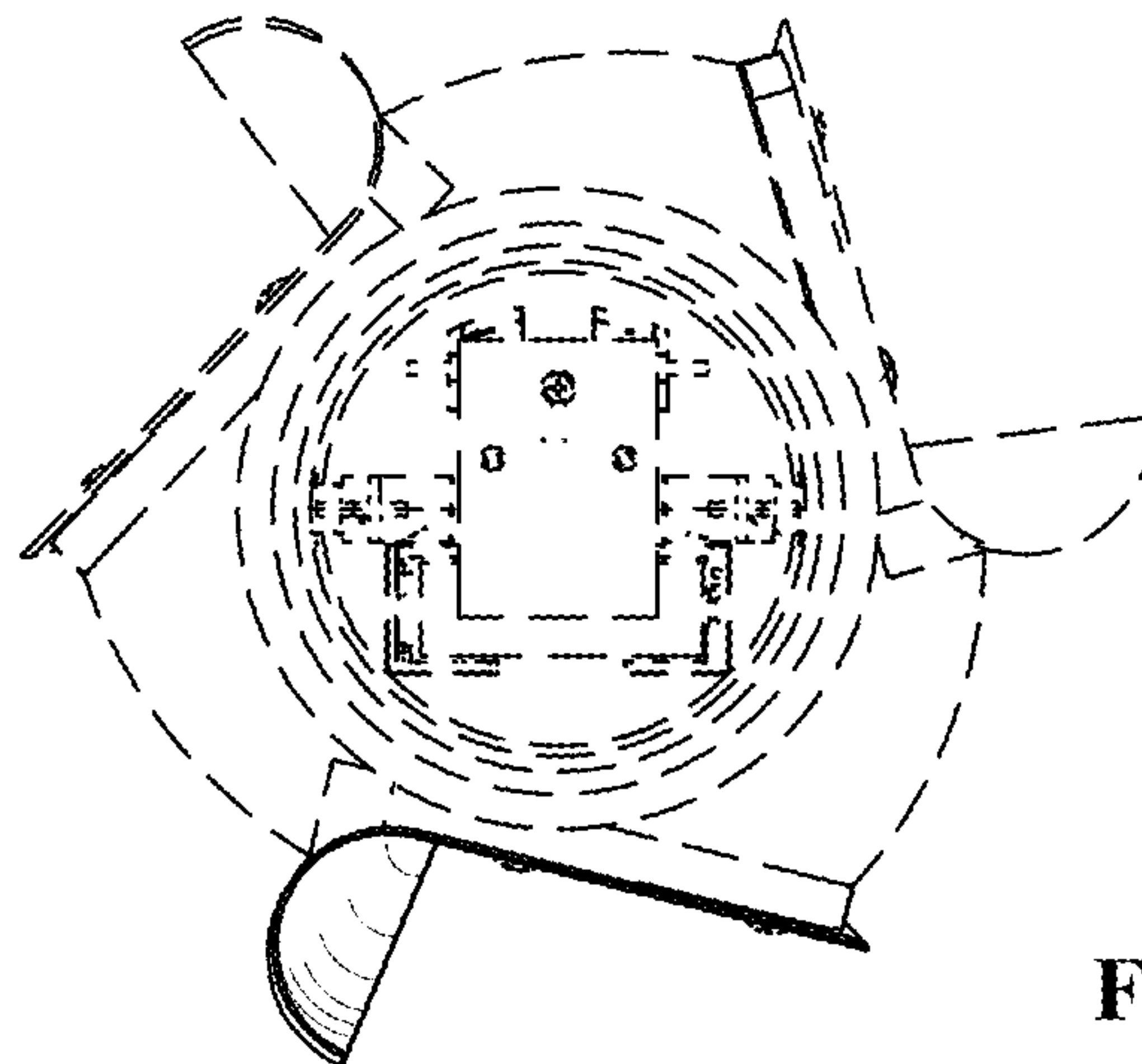


FIG. 20

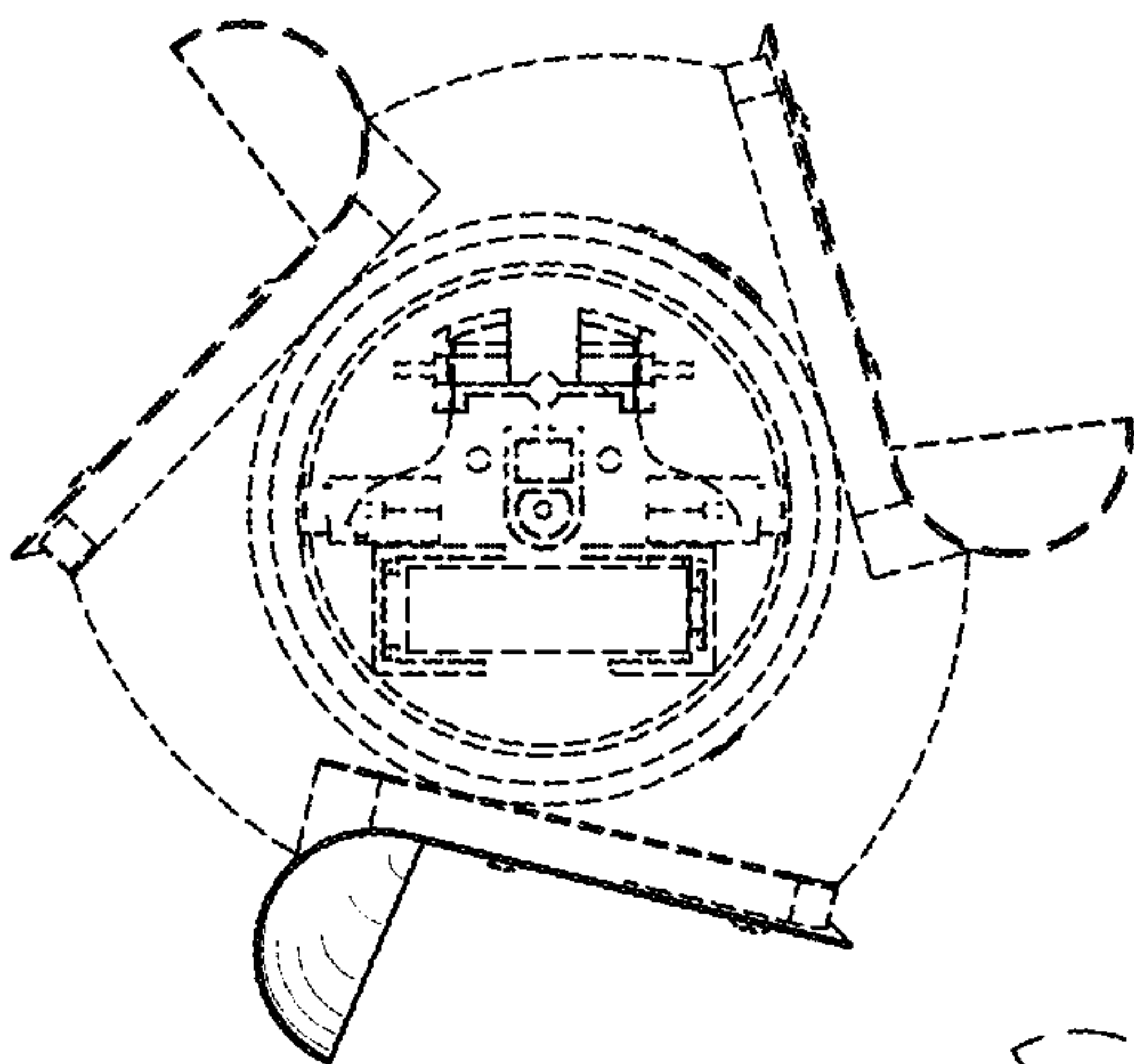


FIG. 21

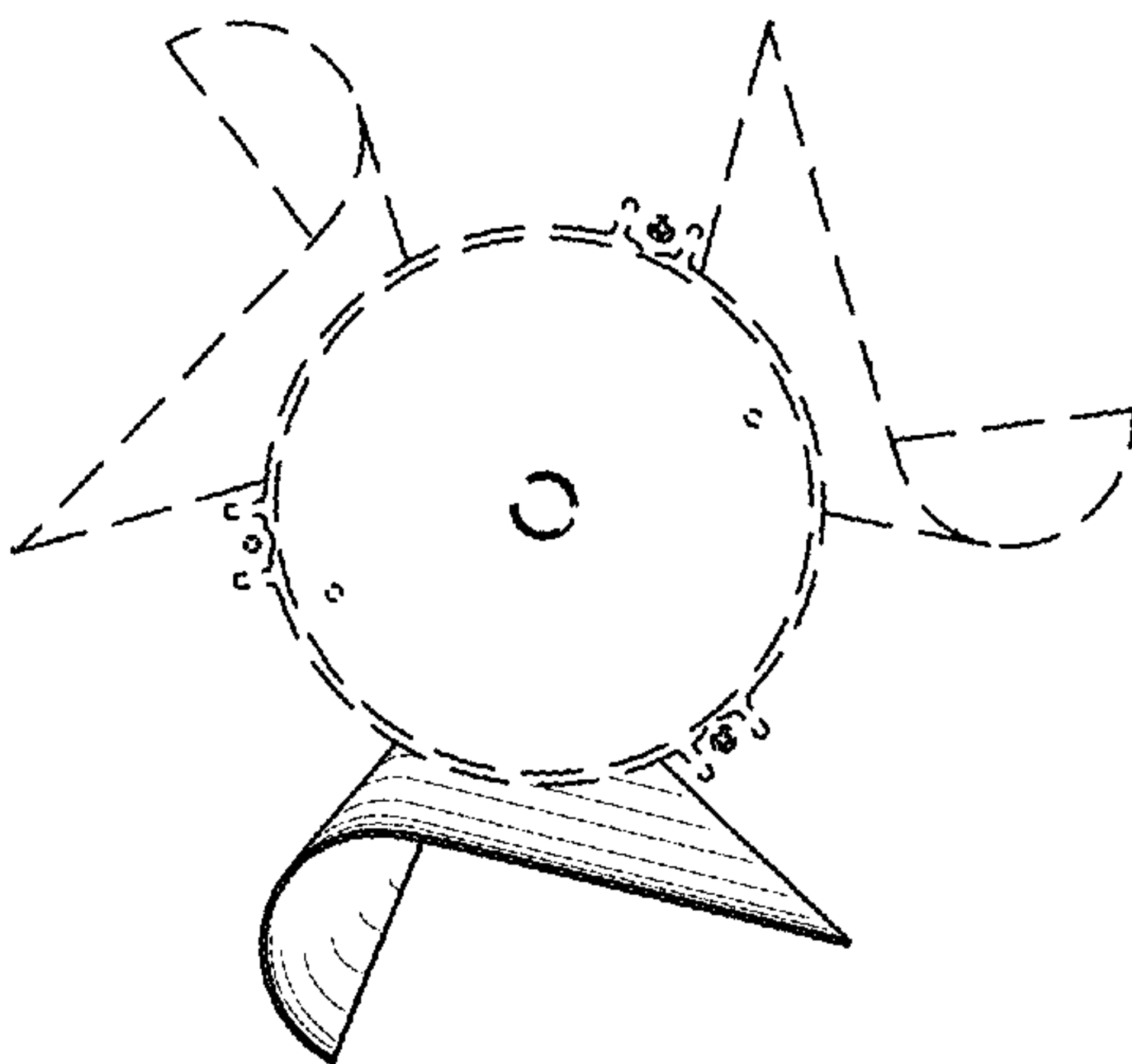


FIG. 22

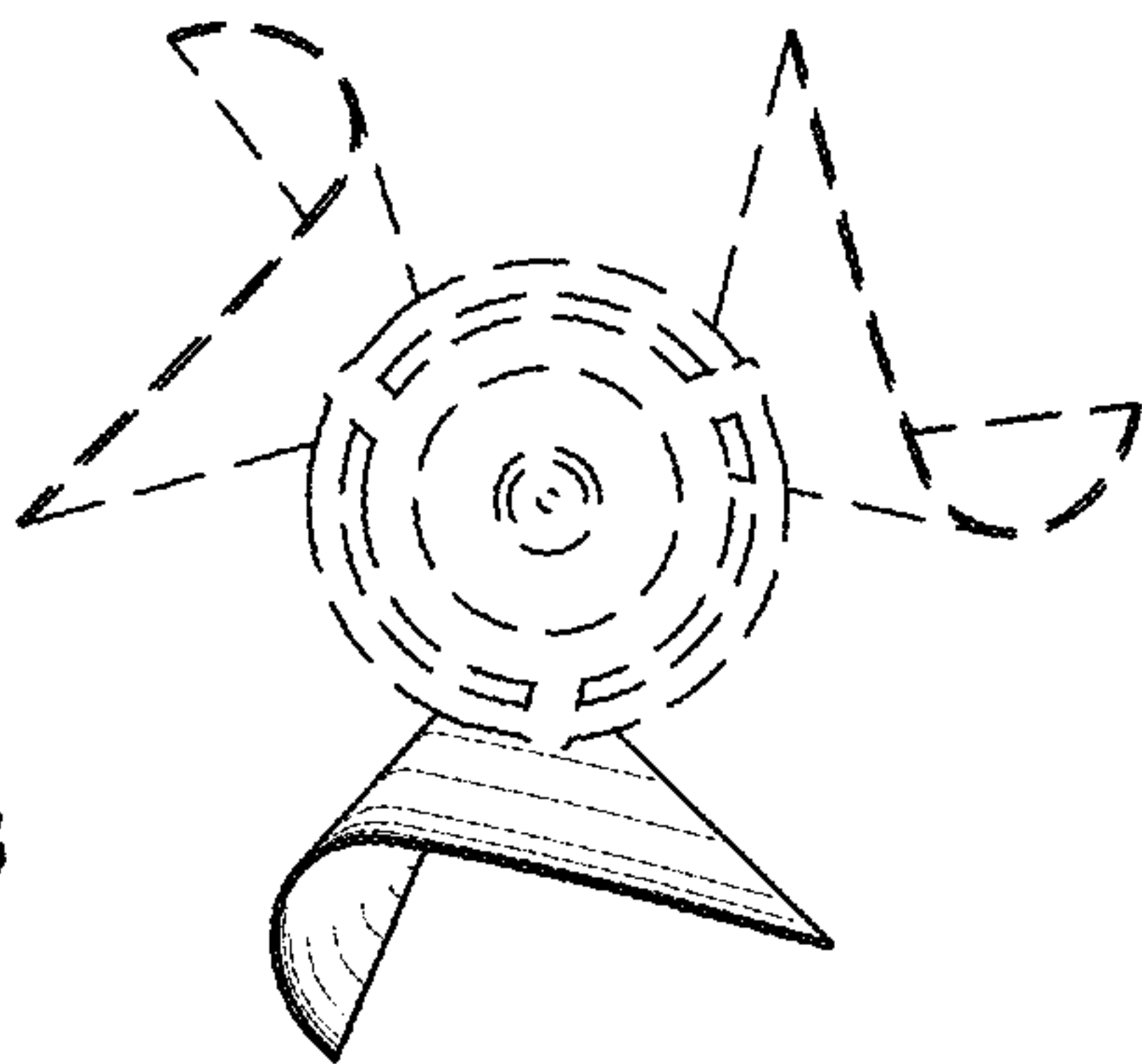


FIG. 23

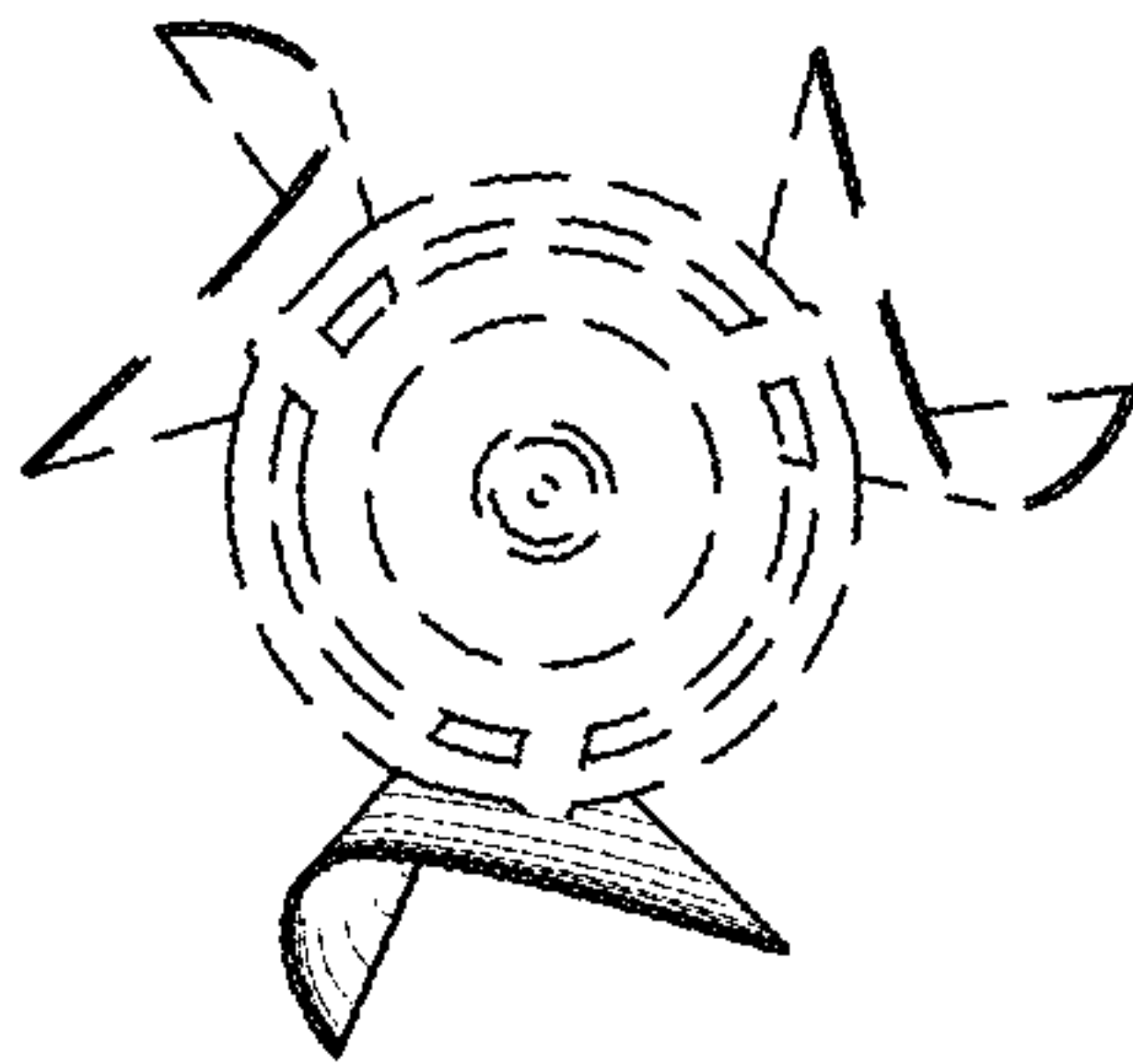


FIG. 24