



US00D854921S

(12) **United States Design Patent** (10) **Patent No.:** **US D854,921 S**  
**Fisher** (45) **Date of Patent:** **\*\* Jul. 30, 2019**

(54) **HELICAL ANCHOR**  
(71) Applicant: **Gripple Limited**, Sheffield (GB)  
(72) Inventor: **Thomas Fisher**, Sheffield (GB)  
(73) Assignee: **GRIPPLE LIMITED** (GB)  
(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/640,132**  
(22) Filed: **Mar. 12, 2018**  
(30) **Foreign Application Priority Data**  
Sep. 12, 2017 (EM) ..... 004342517-0003  
(51) **LOC (11) Cl.** ..... **08-08**  
(52) **U.S. Cl.**  
USPC ..... **D8/387**; D8/385  
(58) **Field of Classification Search**  
USPC ..... D8/385, 387, 388  
CPC .... F16B 13/002; F16B 13/00; F16B 23/0084;  
F16B 25/10; F16B 25/106; F16B 25/103;  
F16B 25/0057; F16B 25/0015; F16B  
33/002; F16B 35/00; F16B 35/06; F16B  
37/127  
See application file for complete search history.

(56) **References Cited**  
**U.S. PATENT DOCUMENTS**  
1,825,419 A \* 9/1931 Plym ..... F16B 33/02  
411/411  
1,897,196 A \* 2/1933 Hunt ..... F16B 23/0084  
411/389  
2,437,381 A \* 3/1948 Cullen ..... A01N 1/00  
27/21.1  
2,850,788 A \* 9/1958 Rypysc ..... A01N 1/02  
27/21.1  
2,942,323 A \* 6/1960 Strickland ..... A01N 1/02  
27/21.1

4,756,653 A \* 7/1988 Berger ..... F16B 23/0038  
411/386  
5,059,077 A \* 10/1991 Schmid ..... A47G 1/20  
248/217.4  
5,358,209 A \* 10/1994 Ward ..... E04H 12/2223  
248/530  
D378,052 S \* 2/1997 Perreault ..... D8/387  
5,630,688 A \* 5/1997 Tran ..... F16B 13/002  
411/31  
5,741,099 A \* 4/1998 Aasgaard ..... B21J 15/048  
29/525.06  
D629,431 S \* 12/2010 Vincent ..... D15/139  
D633,379 S \* 3/2011 Chambers ..... D8/387  
D642,900 S \* 8/2011 McDuff ..... D8/385  
8,114,099 B2 \* 2/2012 Shipp ..... A61B 17/0644  
606/151  
D738,199 S \* 9/2015 Daniels ..... D8/387  
9,351,728 B2 \* 5/2016 Sniffin ..... A61B 17/064  
9,885,378 B2 \* 2/2018 DeClark ..... F16B 13/08

(Continued)

*Primary Examiner* — Sandra S Snapp  
*Assistant Examiner* — Ieisha N Price  
(74) *Attorney, Agent, or Firm* — James R. Foley; Clark Hill PLC

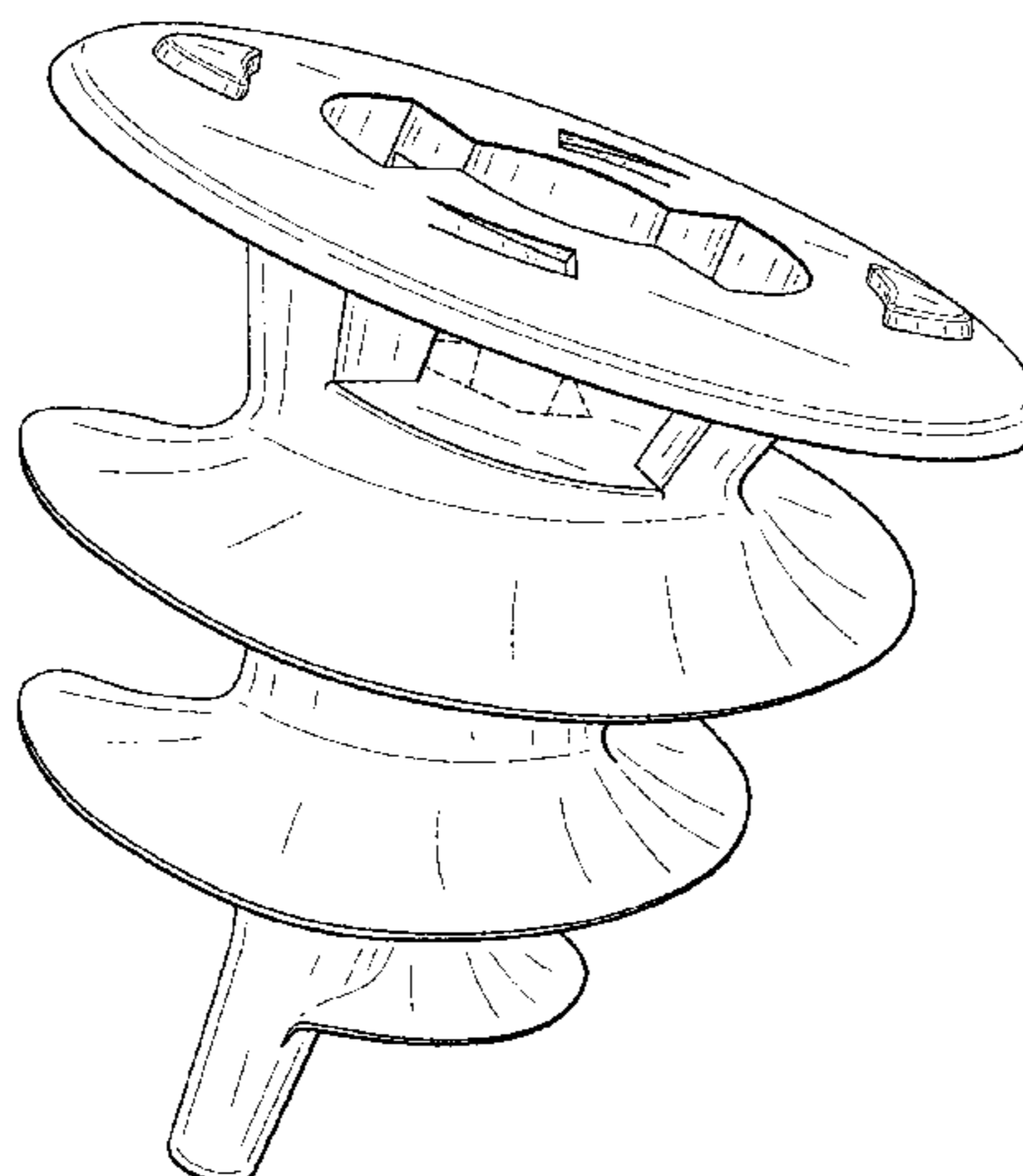
(57) **CLAIM**

The ornamental design of a helical anchor, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of the helical anchor;  
FIG. 2 is a front view thereof;  
FIG. 3 is a back view thereof;  
FIG. 4 is a top view thereof;  
FIG. 5 is a bottom view thereof;  
FIG. 6 is a right side view thereof; and,  
FIG. 7 is a left side view thereof.  
The broken lines in the drawings illustrate portions of the helical anchor and form no part of the claimed design.

**1 Claim, 6 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

2002/0131841 A1\* 9/2002 Berry ..... F16B 5/123  
411/386  
2003/0007845 A1\* 1/2003 Gens ..... F16B 25/00  
411/411  
2004/0204723 A1\* 10/2004 Kayan ..... A61B 17/064  
606/151  
2005/0171562 A1\* 8/2005 Criscuolo ..... A61B 17/064  
606/151  
2007/0038220 A1\* 2/2007 Shipp ..... A61B 17/064  
606/326  
2011/0318138 A1\* 12/2011 Anderson ..... B43M 15/00  
411/403  
2015/0117980 A1\* 4/2015 Anderson ..... F16B 21/02  
411/500  
2016/0316846 A1\* 11/2016 Salvetti ..... A42B 3/125  
2017/0343025 A1\* 11/2017 Daykin ..... F16B 13/002

\* cited by examiner

FIG. 1

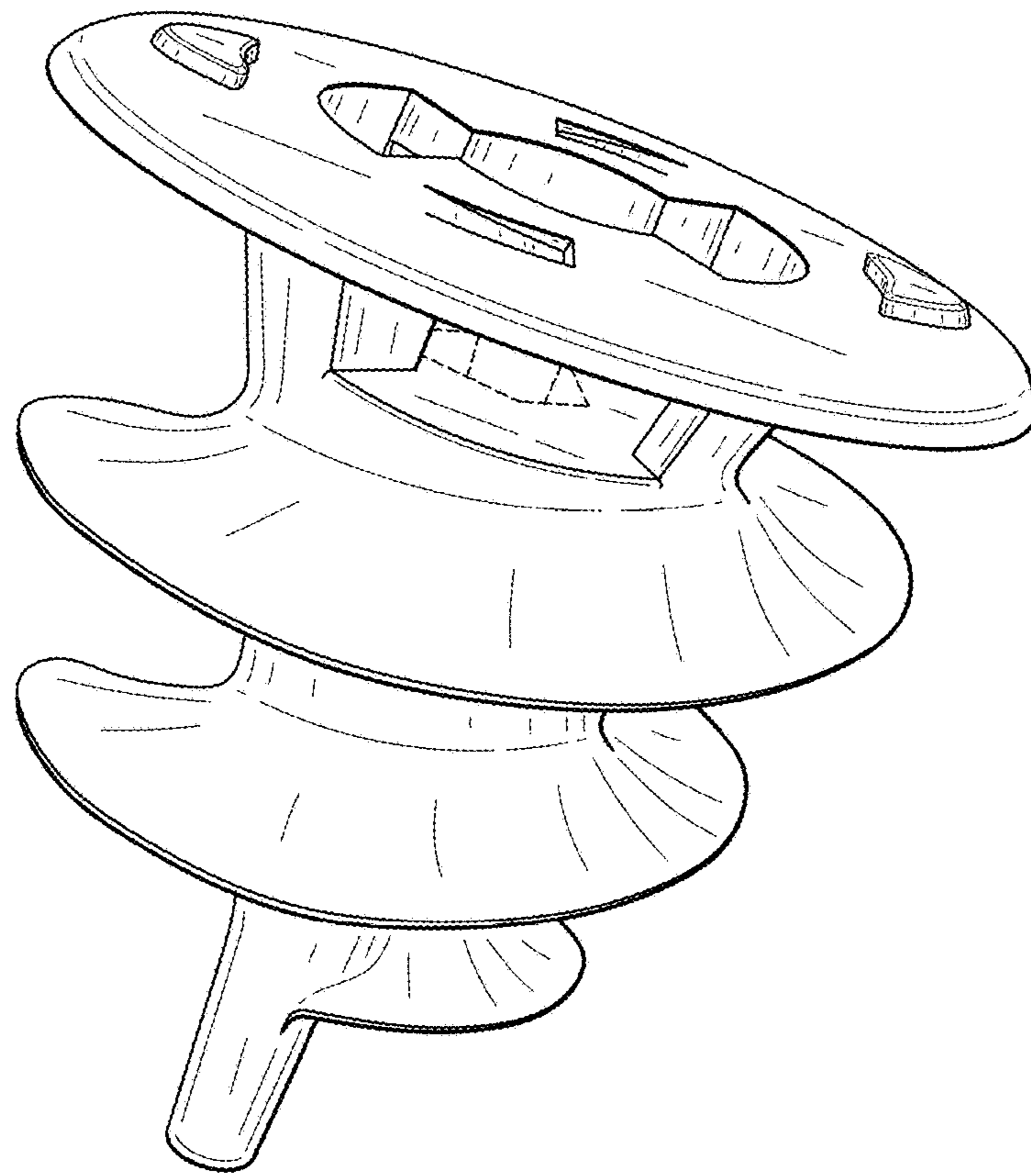


FIG. 2

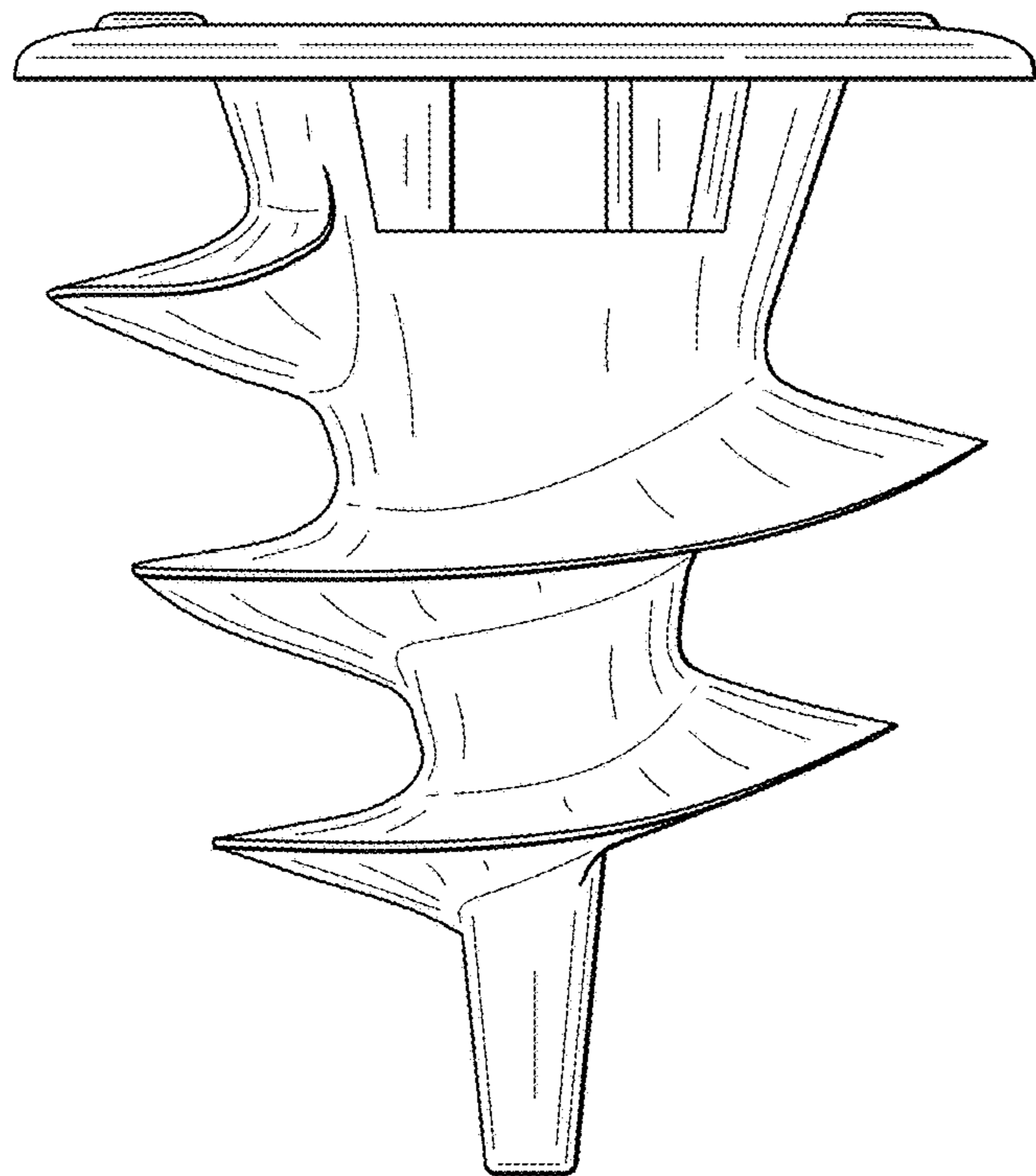


FIG. 3

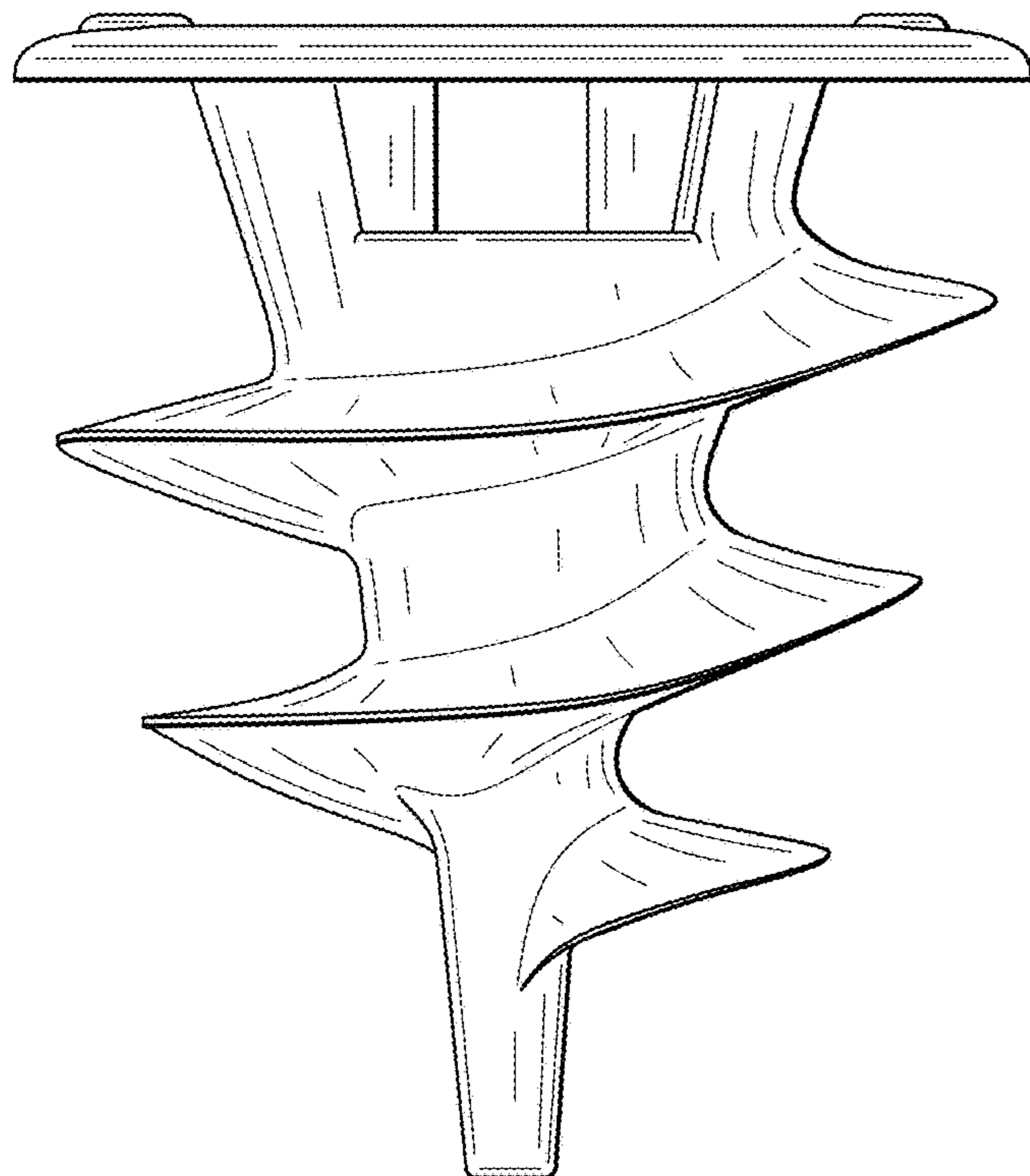


FIG. 4

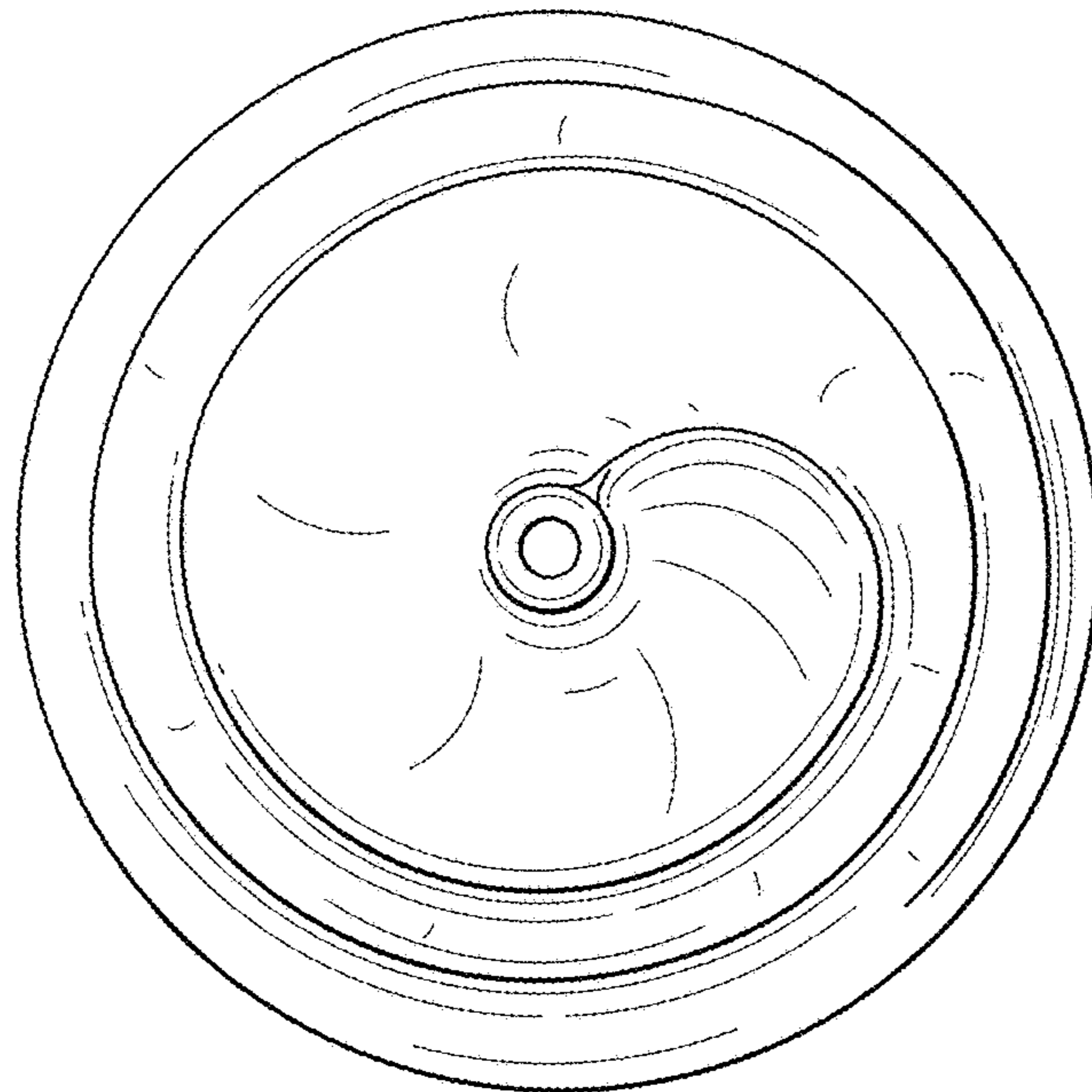


FIG. 5

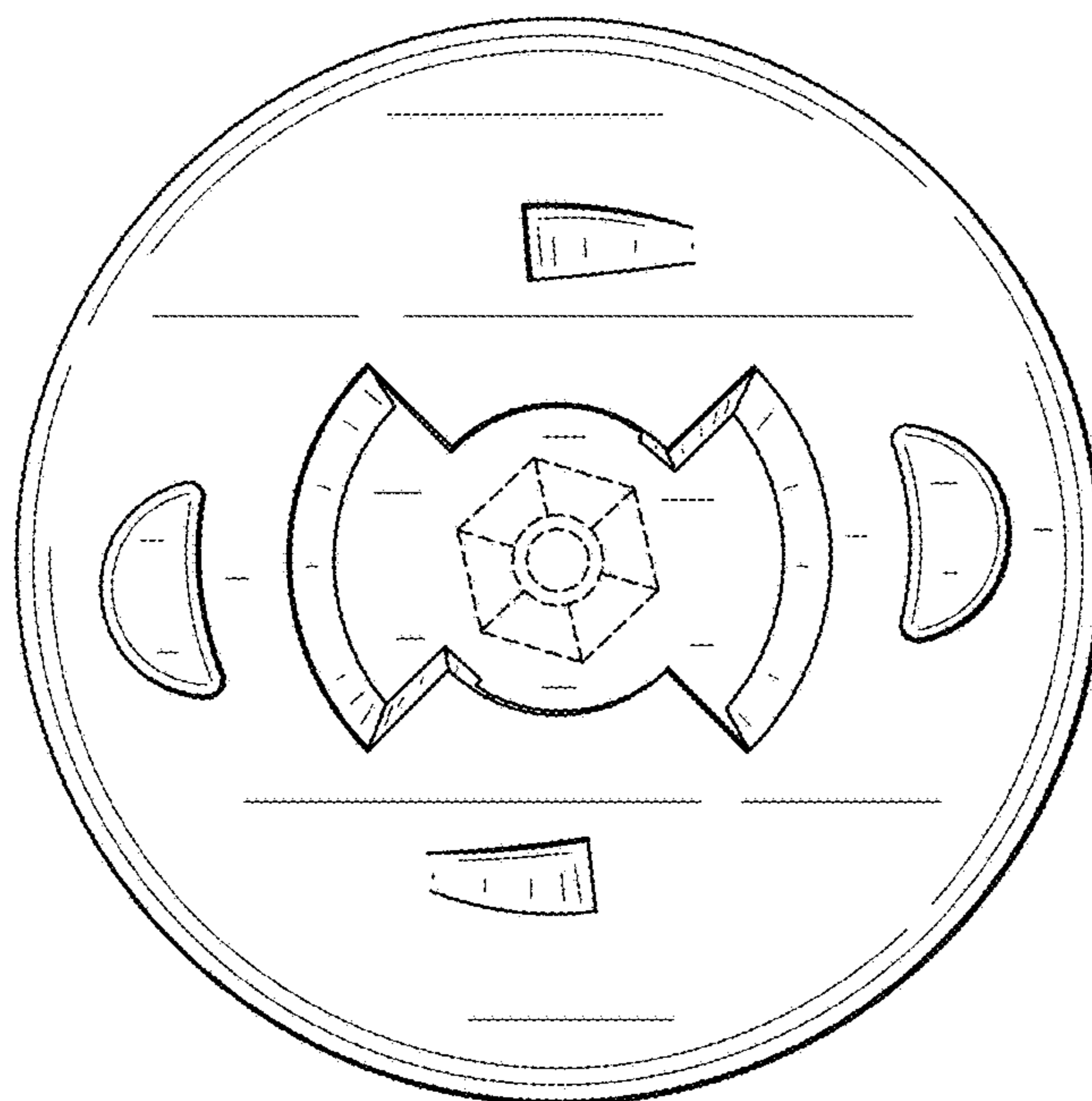


FIG. 6

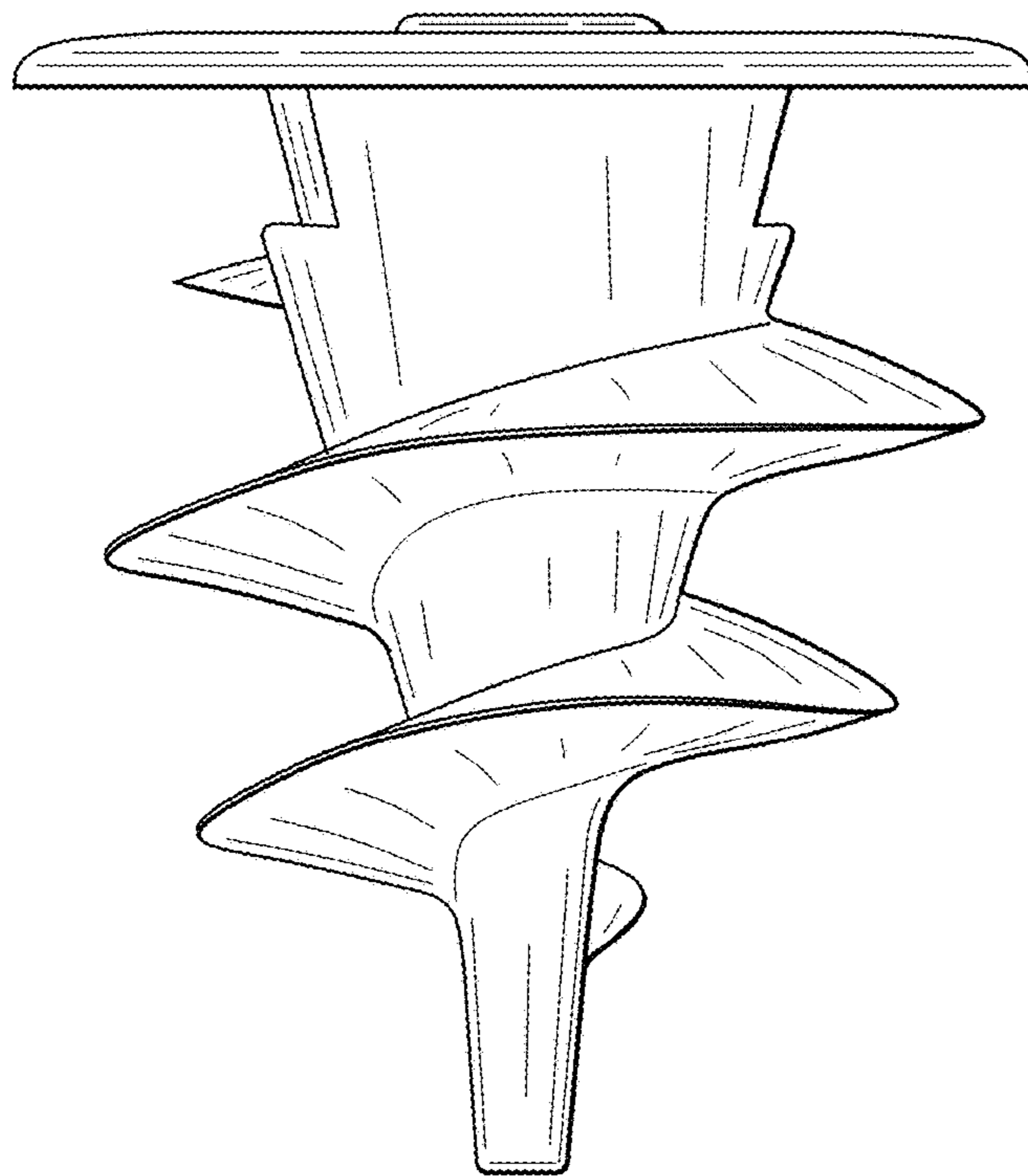


FIG. 7

