



US00D523596S

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

(10) **Patent No.: US D523,596 S**
(45) **Date of Patent: ** Jun. 20, 2006**

(54) **CONDENSER TUBE CLEANER**
(75) Inventors: **Walter Kenneth Holmes**, Tarentum, PA (US); **Daniel R. Patterson**, Oakmont, PA (US)
(73) Assignee: **Conco Systems, Inc.**, Verona, PA (US)
(**) Term: **14 Years**

5,426,807 A 6/1995 Grimsley et al. 15/104.33
5,599,225 A * 2/1997 Warner et al. 451/535
D383,263 S * 9/1997 Smith D32/25
D396,348 S 7/1998 Chaves D4/102
5,784,745 A * 7/1998 Saxon et al. 15/104.061
5,802,667 A * 9/1998 Williams 15/395
5,809,601 A * 9/1998 Rivera 15/23
5,960,505 A 10/1999 Sanghoon et al. 15/104.06
D454,003 S 3/2002 Saxon D4/131
D474,033 S * 5/2003 Westlund D4/128

(21) Appl. No.: **29/206,710**
(22) Filed: **Jun. 2, 2004**

(51) **LOC (8) Cl.** **15-05**
(52) **U.S. Cl.** **D32/14**
(58) **Field of Classification Search** D4/102,
D4/121, 128, 131; 15/22.1, 23, 25, 27, 104.095,
15/104.9, 104.16, 104.2, 206; D32/14; D8/70
See application file for complete search history.

OTHER PUBLICATIONS

Conco Product Catalogue—(www.concosystems.com).

* cited by examiner

Primary Examiner—Louis S. Zarfaz
Assistant Examiner—Kathleen Sims
(74) *Attorney, Agent, or Firm*—Armstrong, Kratz, Quintos,
Hanson & Brooks, LLP

(56) **References Cited**
U.S. PATENT DOCUMENTS

1,218,005 A 3/1917 Schlemmer
1,392,105 A 9/1921 Bergesen, Sr.
D134,303 S 11/1942 Hoerle
3,270,360 A 9/1966 Kropp 15/22
3,319,710 A 5/1967 Heeren et al. 165/95
3,384,915 A 5/1968 Rands 15/179
3,541,628 A 11/1970 Girard 15/104.06
3,692,417 A * 9/1972 Aston 401/122
4,281,432 A 8/1981 Saxon 15/104.06
4,643,248 A 2/1987 Voith et al. 165/95
4,850,071 A 7/1989 Lawrence 15/104.1
D322,017 S 12/1991 Van Allman et al. D8/70
5,402,548 A * 4/1995 Adair et al. 15/88

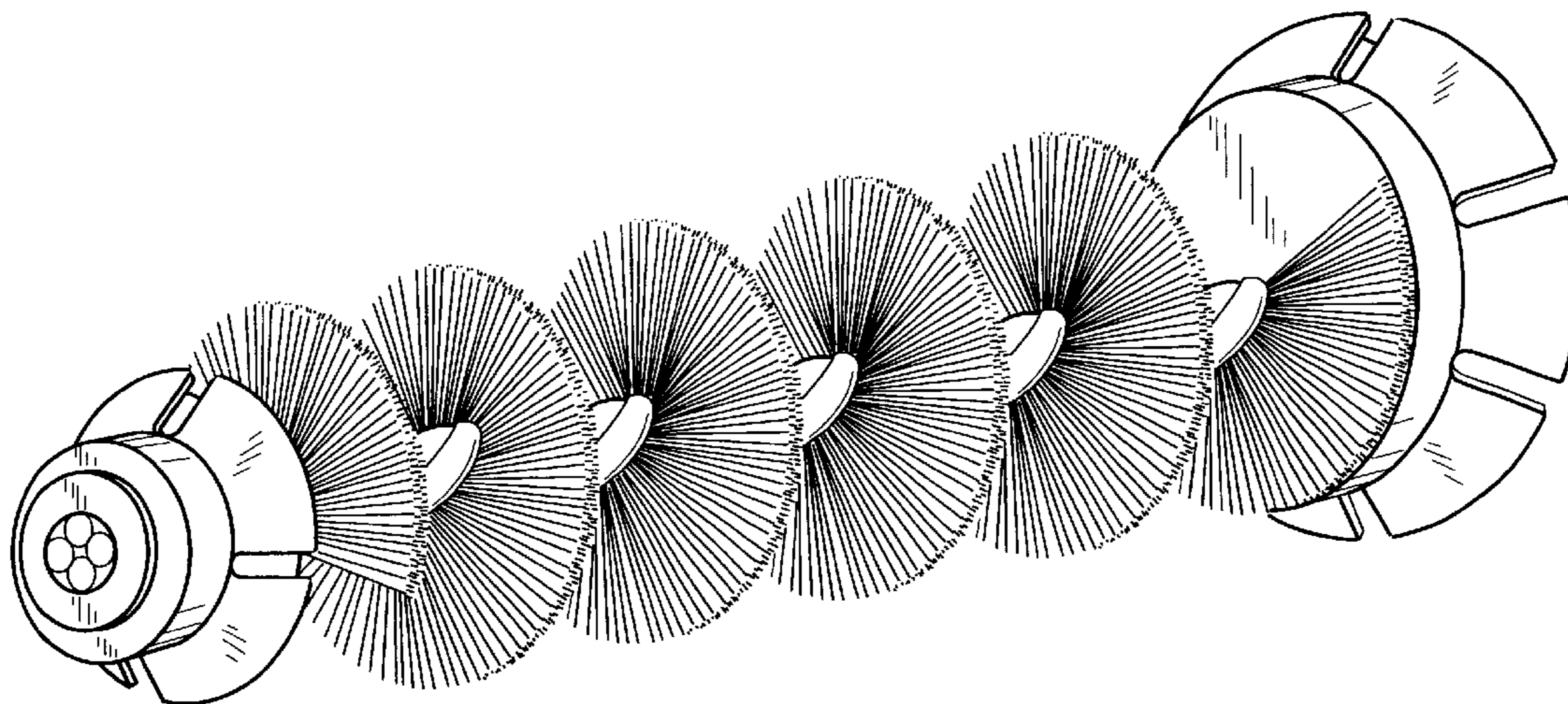
(57) **CLAIM**

The ornamental design for a condenser tube cleaner, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the condenser tube cleaner of the present invention;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof,
FIG. 4 is a left view thereof;
FIG. 5 is a right view thereof;
FIG. 6 is a top view thereof; and,
FIG. 7 is a bottom view of the condenser tube cleaner.

1 Claim, 3 Drawing Sheets



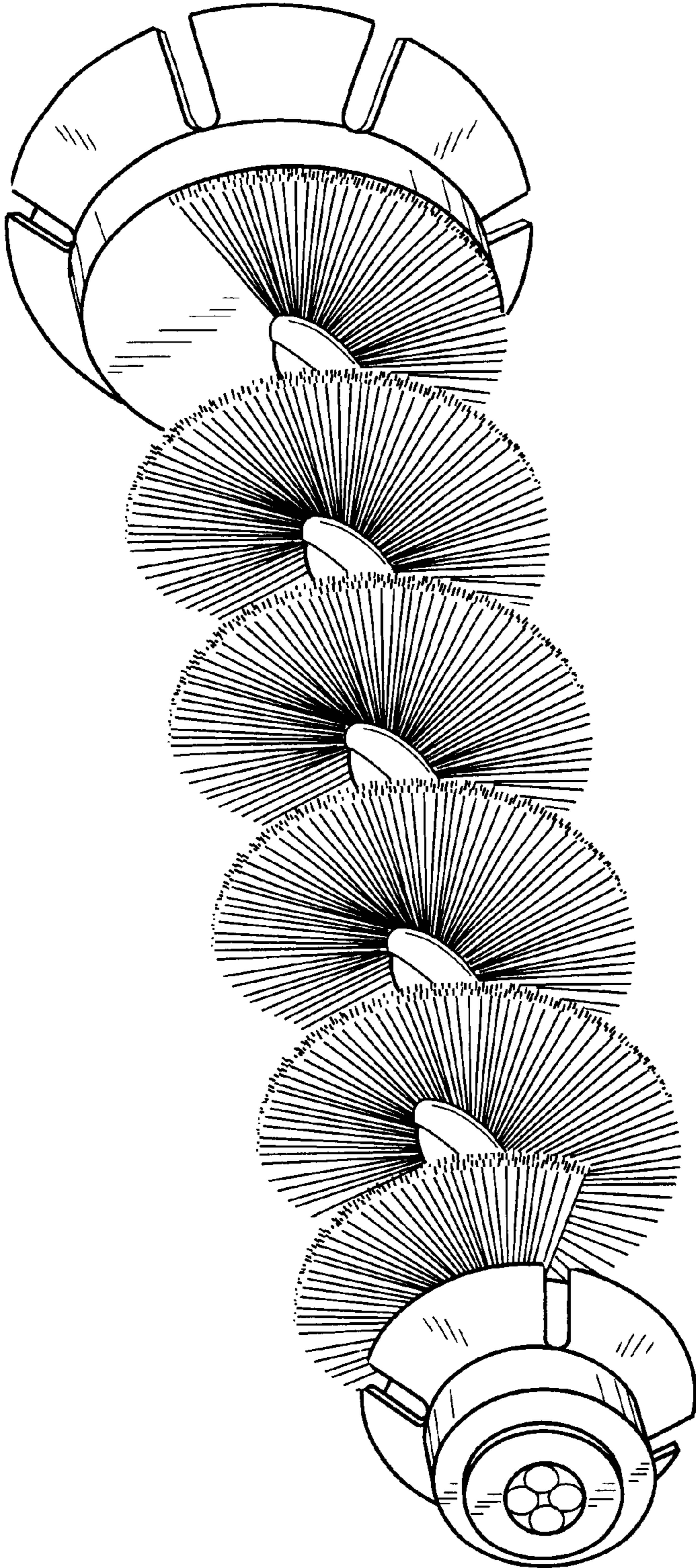


FIG. 1

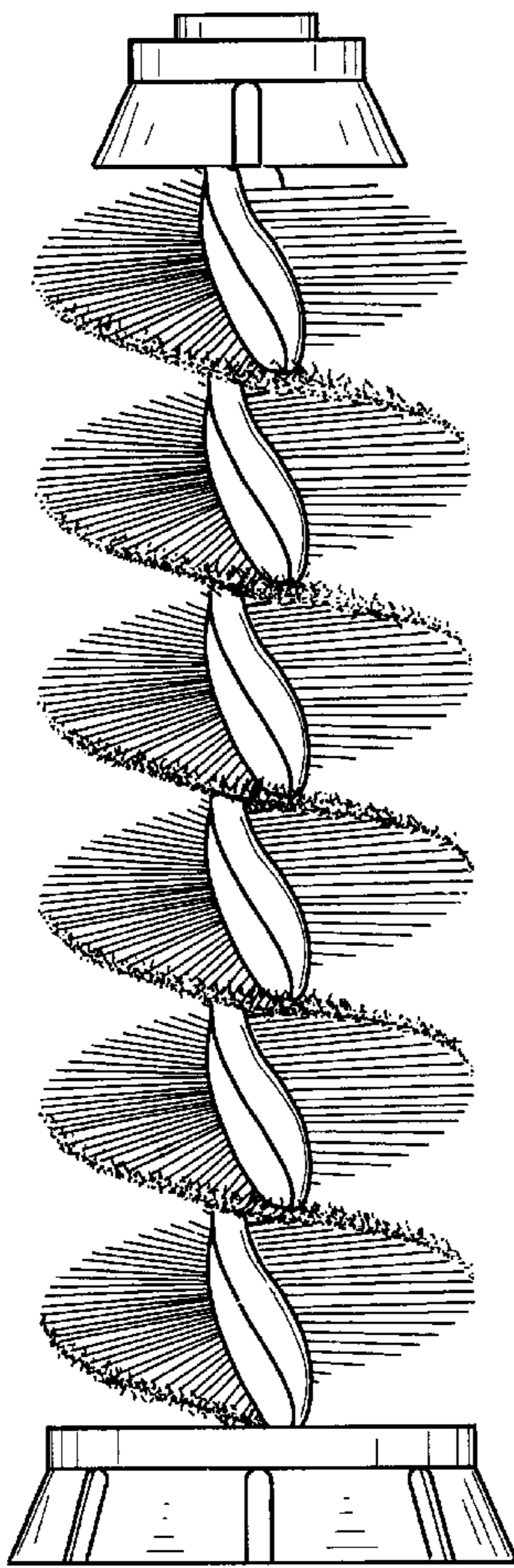


FIG. 2

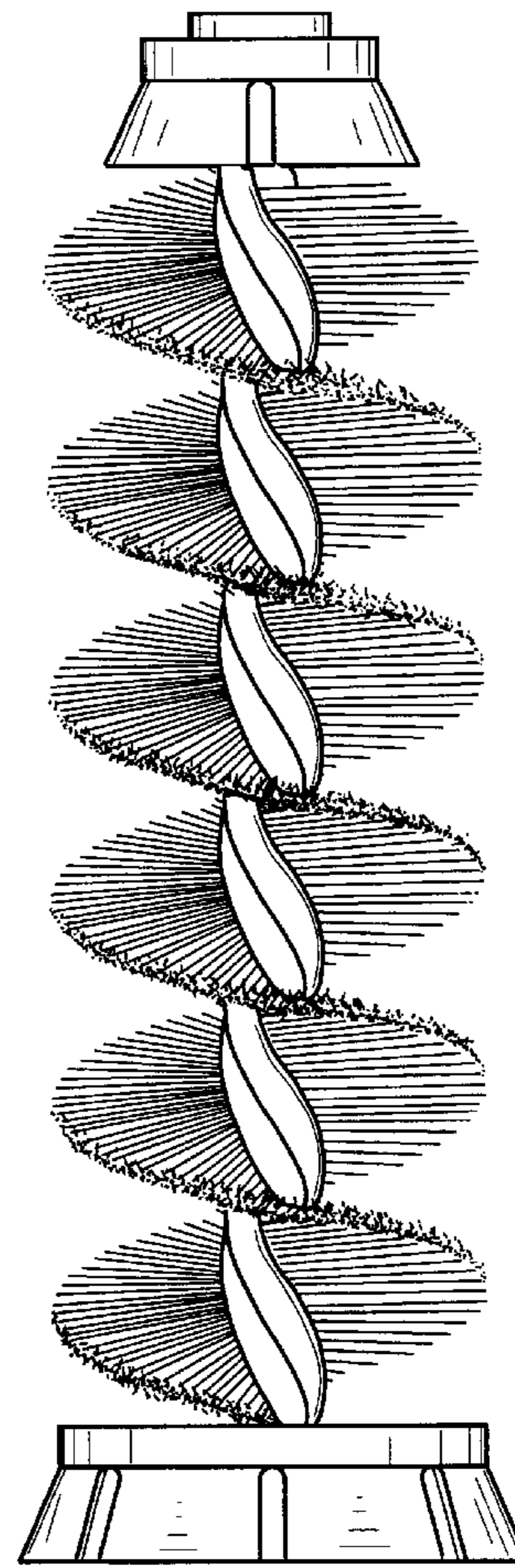


FIG. 3

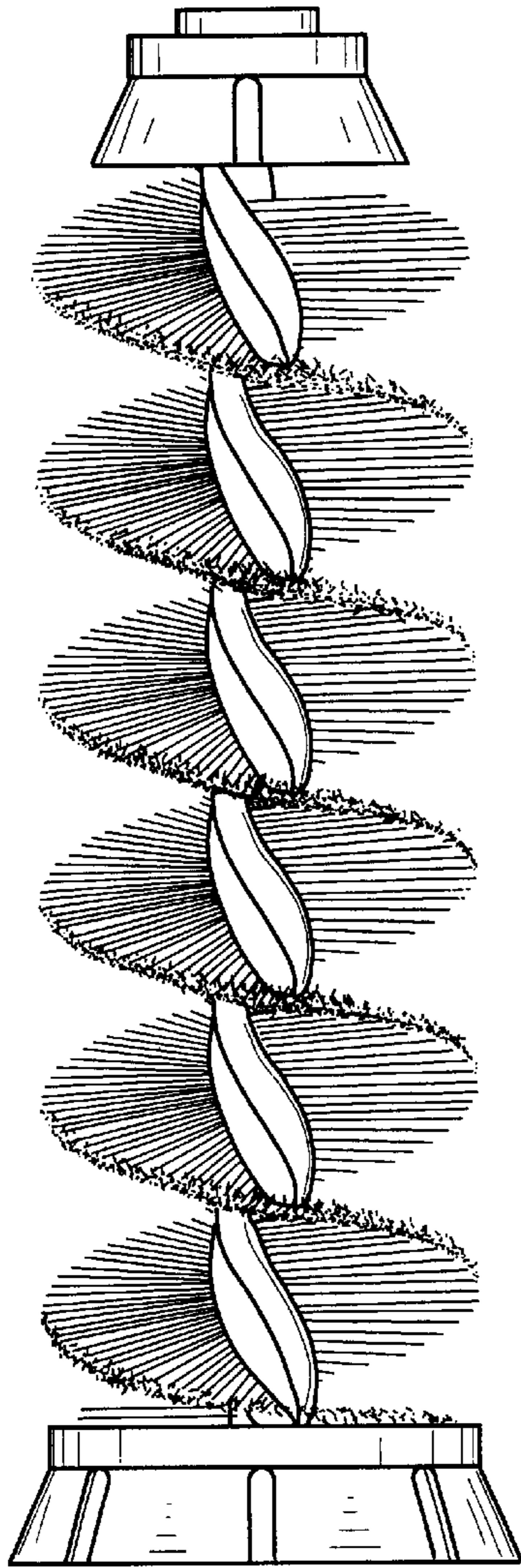


FIG. 4

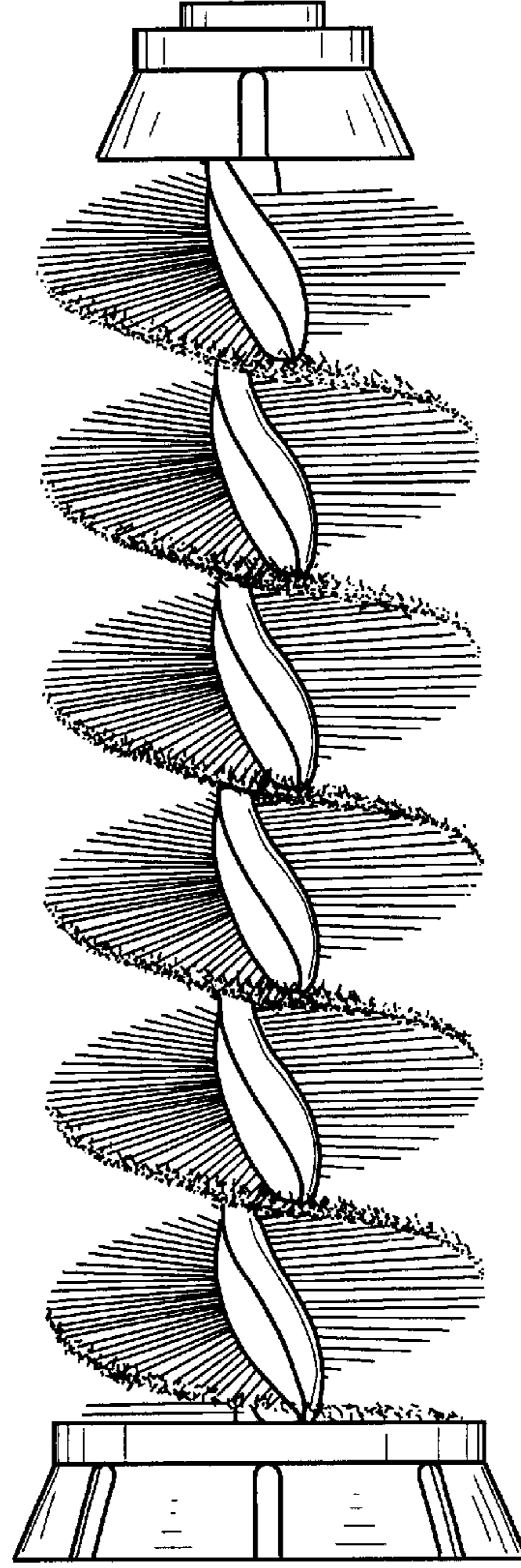


FIG. 5

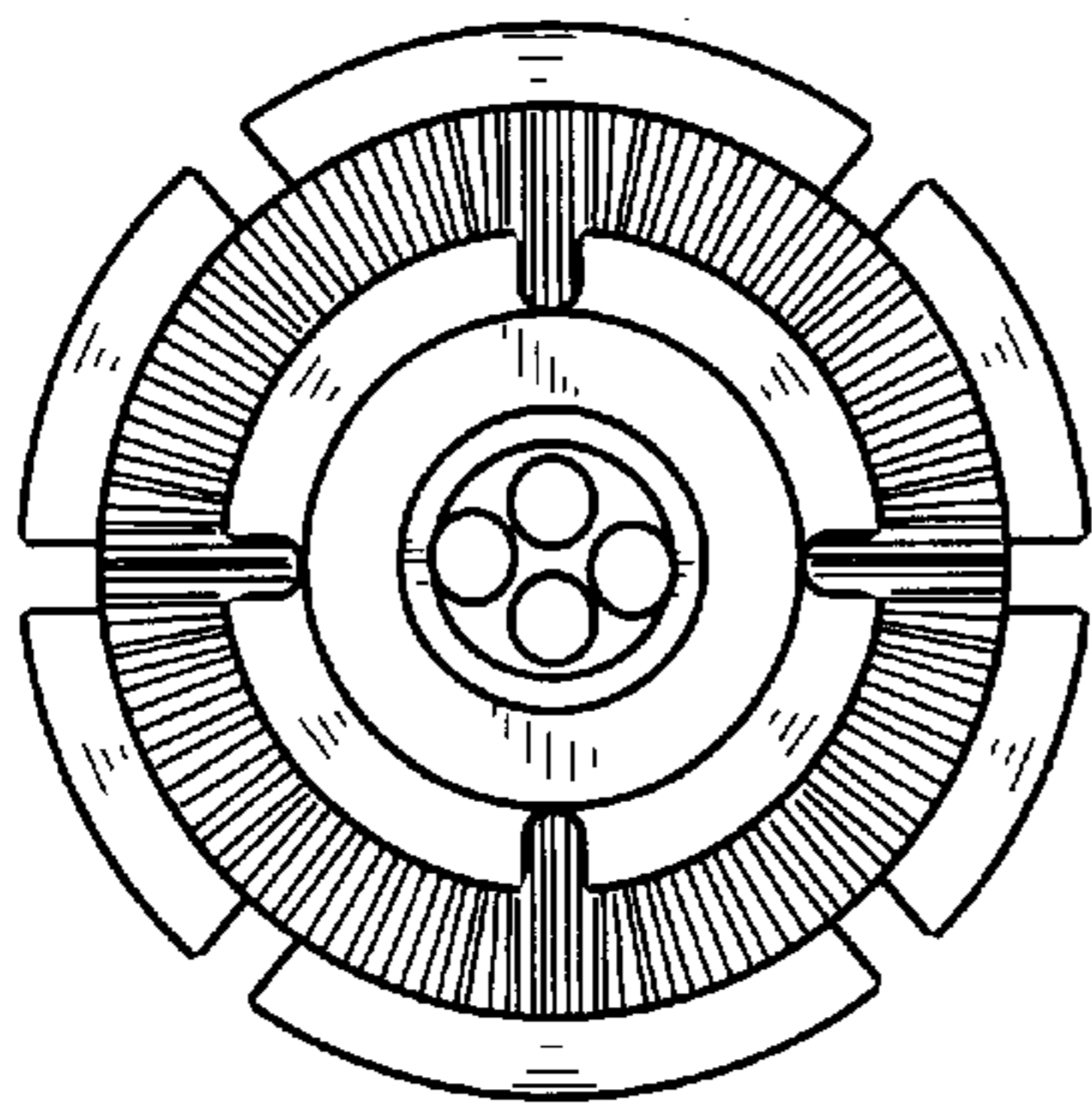


FIG. 6

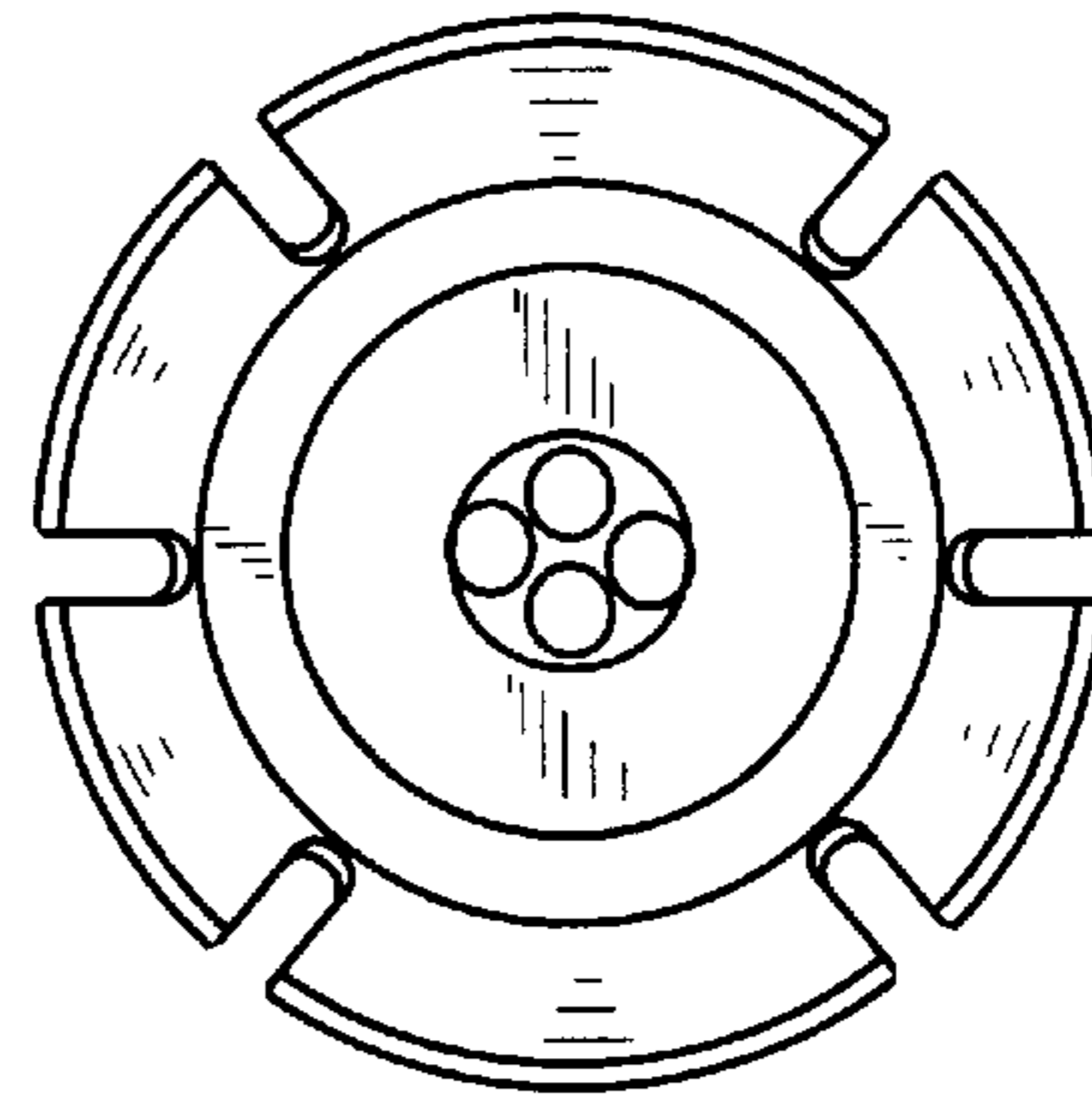


FIG. 7