



US00D725164S

(12) **United States Design Patent**
Guerriero

(10) **Patent No.:** **US D725,164 S**
(45) **Date of Patent:** **** Mar. 24, 2015**

(54) **PERCUSSIVE DRILL BIT**
(71) Applicant: **Padley & Venables Limited**, Dronfield,
Sheffield (GB)
(72) Inventor: **Pietro Guerriero**, Chesterfield (GB)
(73) Assignee: **Padley & Venables Limited**, Dronfield,
Sheffield (GB)

(**) Term: **14 Years**
(21) Appl. No.: **29/480,209**

(22) Filed: **Jan. 24, 2014**

(30) **Foreign Application Priority Data**
Jul. 25, 2013 (EM) 001378947-0001
(51) **LOC (10) Cl.** **15-09**
(52) **U.S. Cl.**
USPC **D15/139**
(58) **Field of Classification Search**
USPC D8/70, 71; D15/131, 132, 138, 139,
D15/140; 76/102, 115; 83/845; 403/331,
403/381; 407/9, 33, 34, 42, 54, 63, 110,
407/113-115; 408/214, 215, 222, 223,
408/226-230; 433/72, 165; 470/198;
606/80
See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS
4,397,361 A 8/1983 Langford, Jr.
4,919,221 A * 4/1990 Pascale 175/415
5,025,875 A 6/1991 Witt
5,366,032 A * 11/1994 Kay 175/393
6,276,467 B1 * 8/2001 Ingmarsson 175/415
D454,143 S 3/2002 Asberg
6,658,968 B2 * 12/2003 Linden et al. 76/108.2
D496,948 S * 10/2004 Charland et al. D15/139
D504,141 S * 4/2005 Charland et al. D15/139

7,117,939 B1 * 10/2006 Hawley et al. 166/99
D574,403 S * 8/2008 Brady D15/139
D611,512 S * 3/2010 Sundin D15/139
D611,970 S * 3/2010 Sundin D15/139
D705,827 S * 5/2014 Hammargren et al. D15/139
8,800,690 B2 * 8/2014 Lyon et al. 175/296
2004/0188146 A1 * 9/2004 Egerstrom 175/296

(Continued)

FOREIGN PATENT DOCUMENTS

EM 000219829-0001 8/2004
EM 000885256-0001 2/2008

(Continued)

OTHER PUBLICATIONS

Padley & Venables Part No. 471507, Button Bit 51 mm R32 Thread
Paraboloid, Oct. 29, 2002.

(Continued)

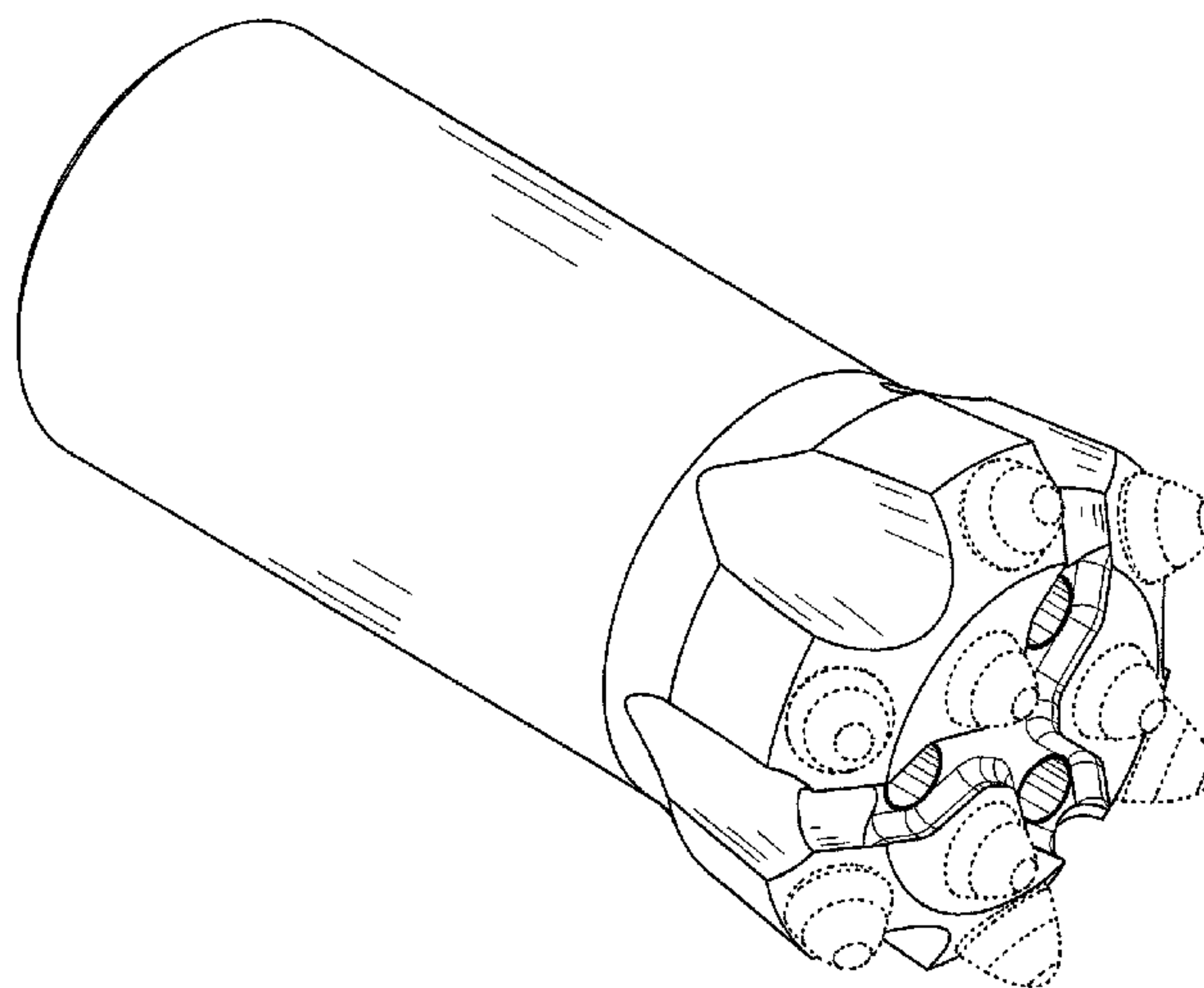
Primary Examiner — Patricia Palasik
(74) *Attorney, Agent, or Firm* — Richard M. Goldberg

(57) **CLAIM**
The ornamental design for a percussive drill bit, as shown and
described.

DESCRIPTION

FIG. 1 is a front perspective view of the percussive drill bit of
my design;
FIG. 2 is a rear perspective view thereof;
FIG. 3 is a left side elevational view thereof;
FIG. 4 is a right side elevational view thereof;
FIG. 5 is a top plan view thereof;
FIG. 6 is a bottom plan view thereof;
FIG. 7 is a front elevational view thereof; and,
FIG. 8 is a rear elevational view thereof.
The buttons in dashed lines do not form part of the invention.
The broken lines in the drawings depict unclaimed environ-
mental subject matter.

1 Claim, 7 Drawing Sheets



US D725,164 S

Page 2

(56)

References Cited

U.S. PATENT DOCUMENTS

2008/0087473 A1* 4/2008 Hall et al. 175/414
2012/0186883 A1* 7/2012 Purcell 175/296

FOREIGN PATENT DOCUMENTS

EM 000885264-0001 2/2008
EM 000885264-0002 2/2008

EM 001158612-0001 8/2009
EM 001158612-0002 8/2009
EM 001351043-0001 11/2012

OTHER PUBLICATIONS

Padley & Venables Part No. 472554, Button Bit 64 mm P28 Thread
Drop Centre Ballistic, Jul. 19, 1996.

* cited by examiner

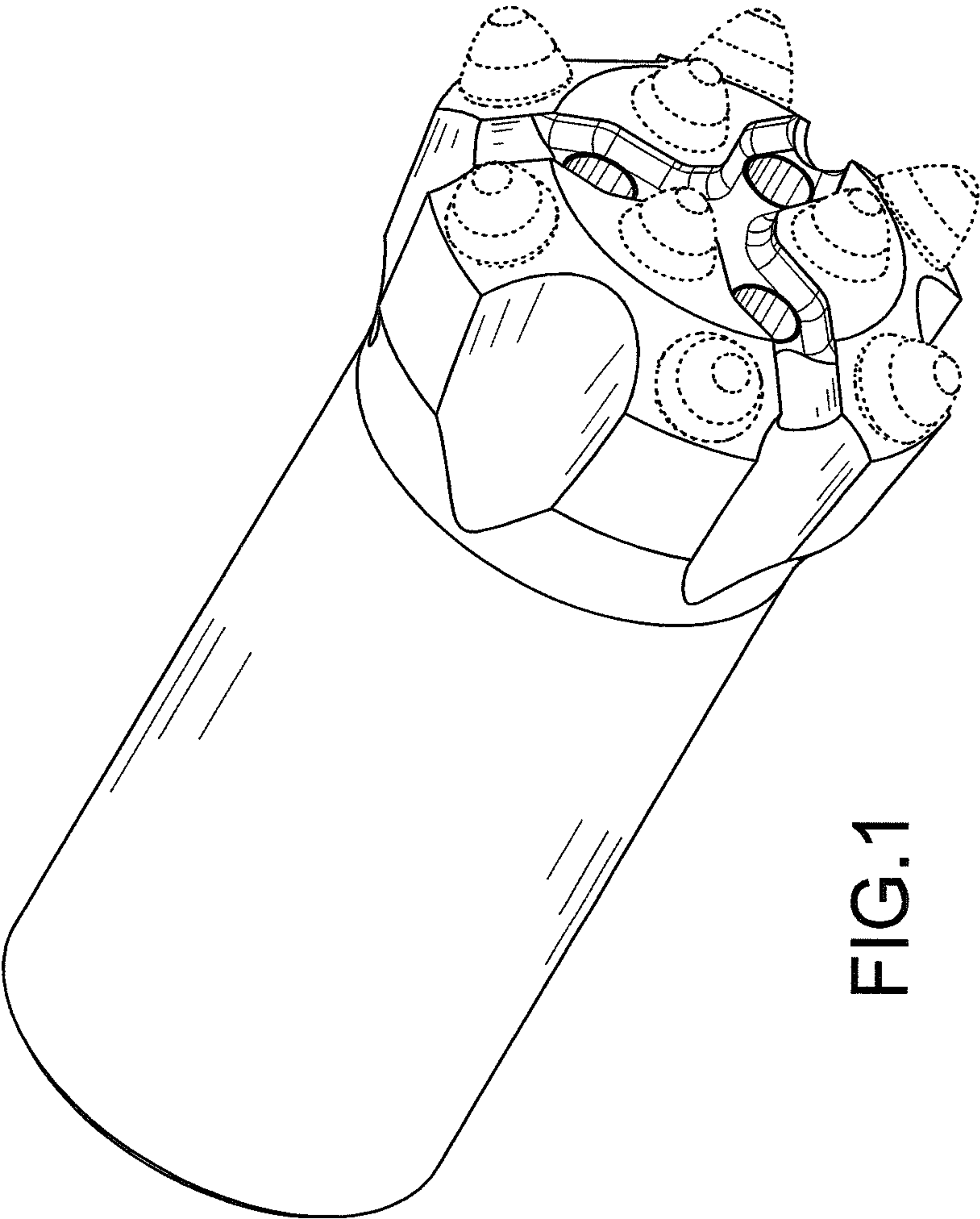


FIG.1

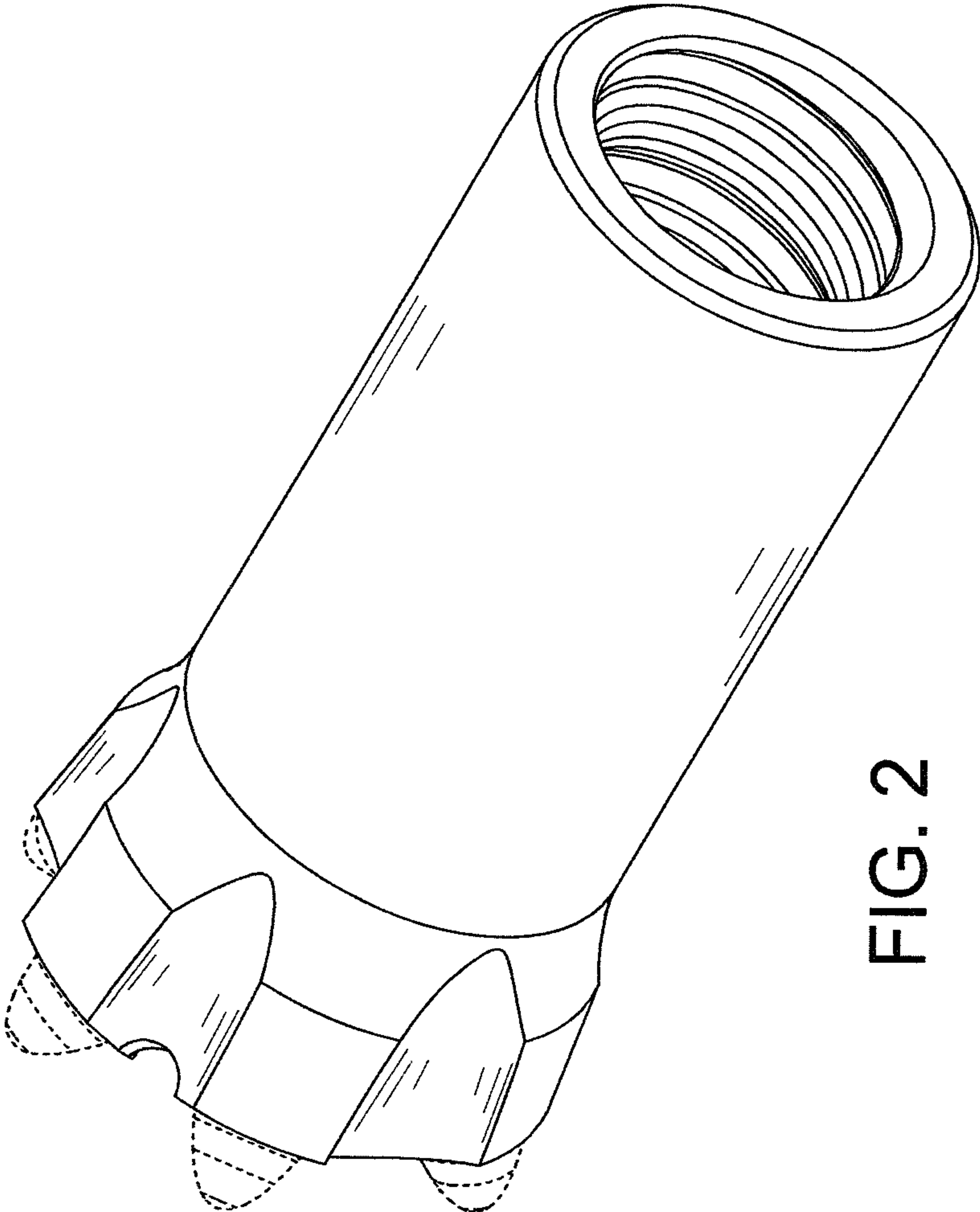


FIG. 2

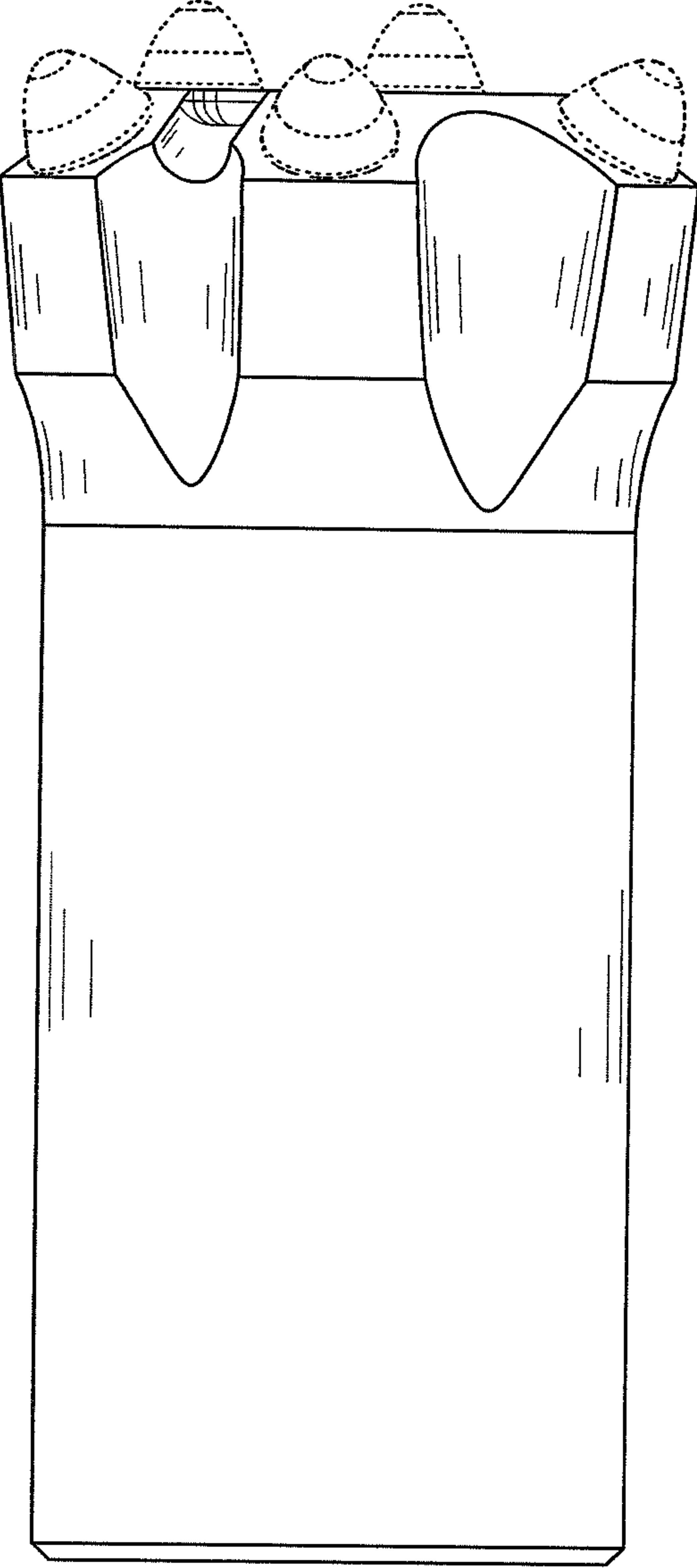


FIG. 3

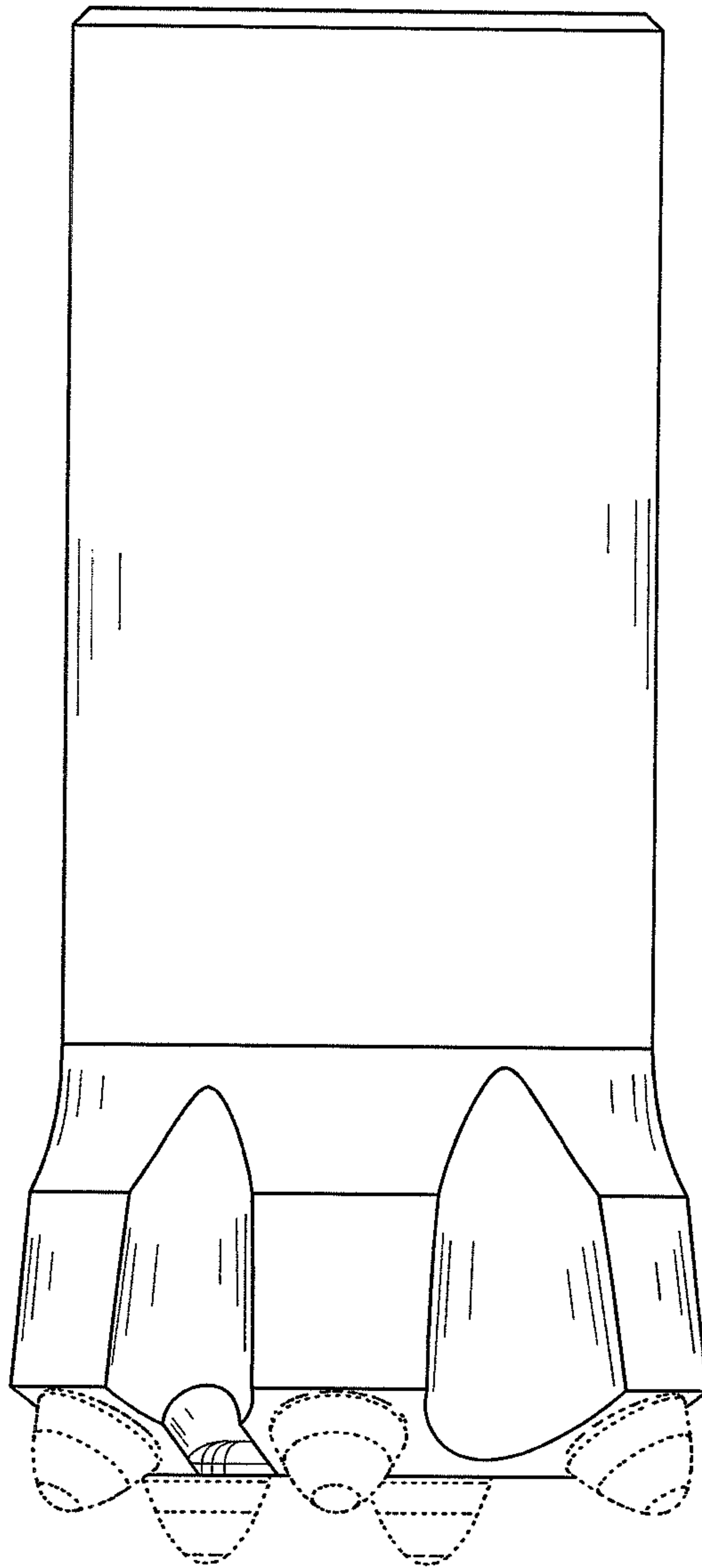


FIG. 4

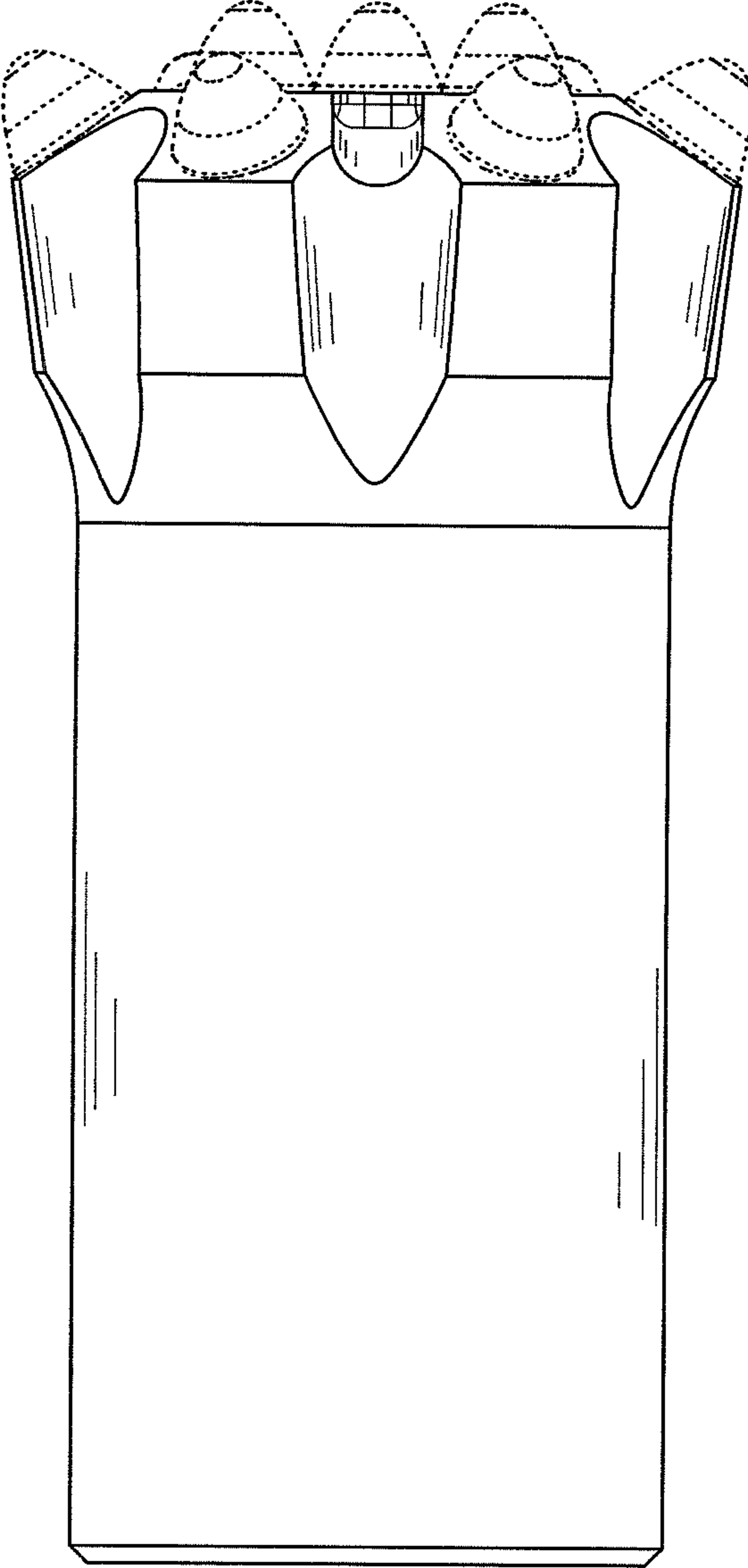


FIG. 5

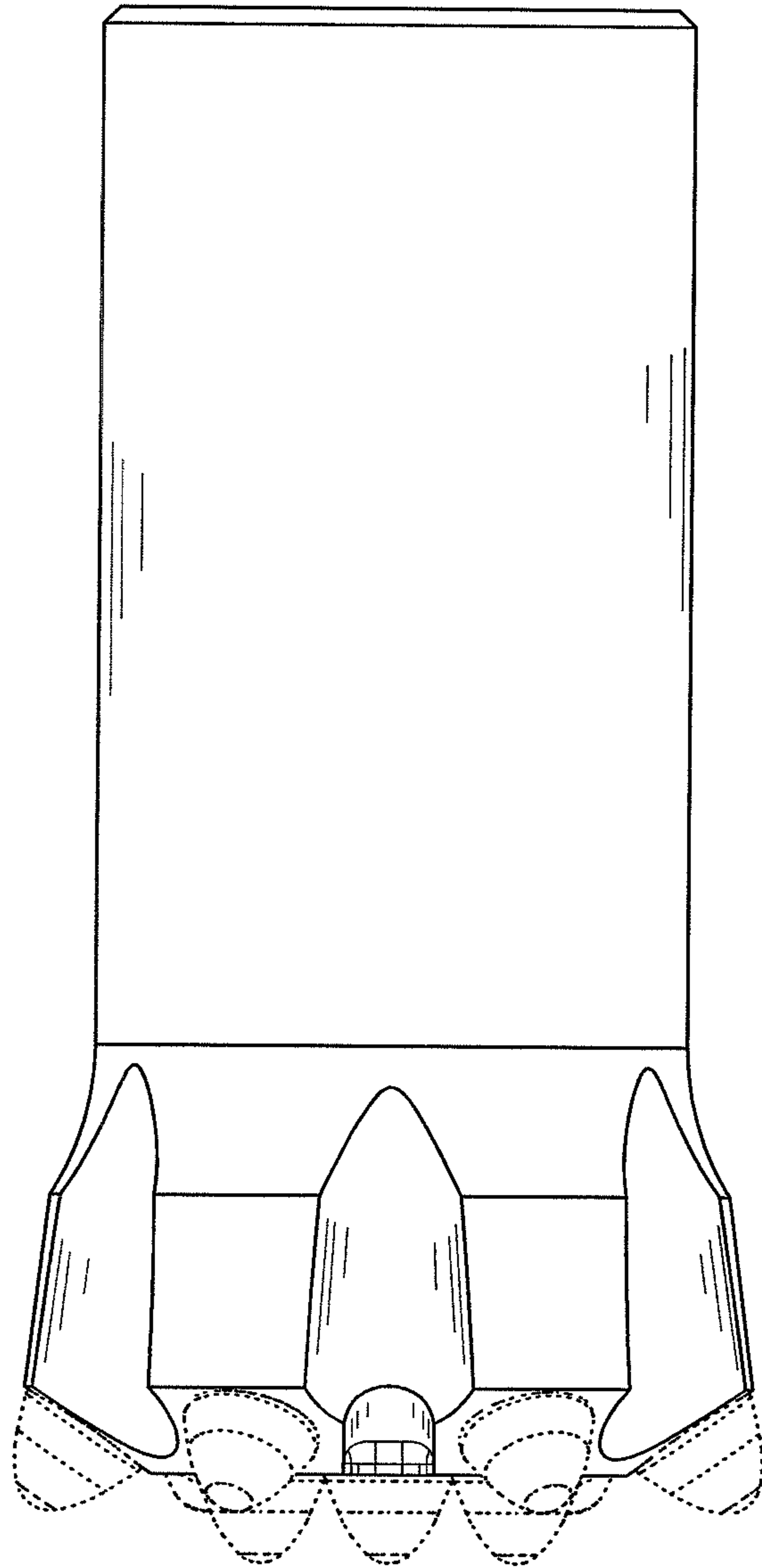


FIG. 6

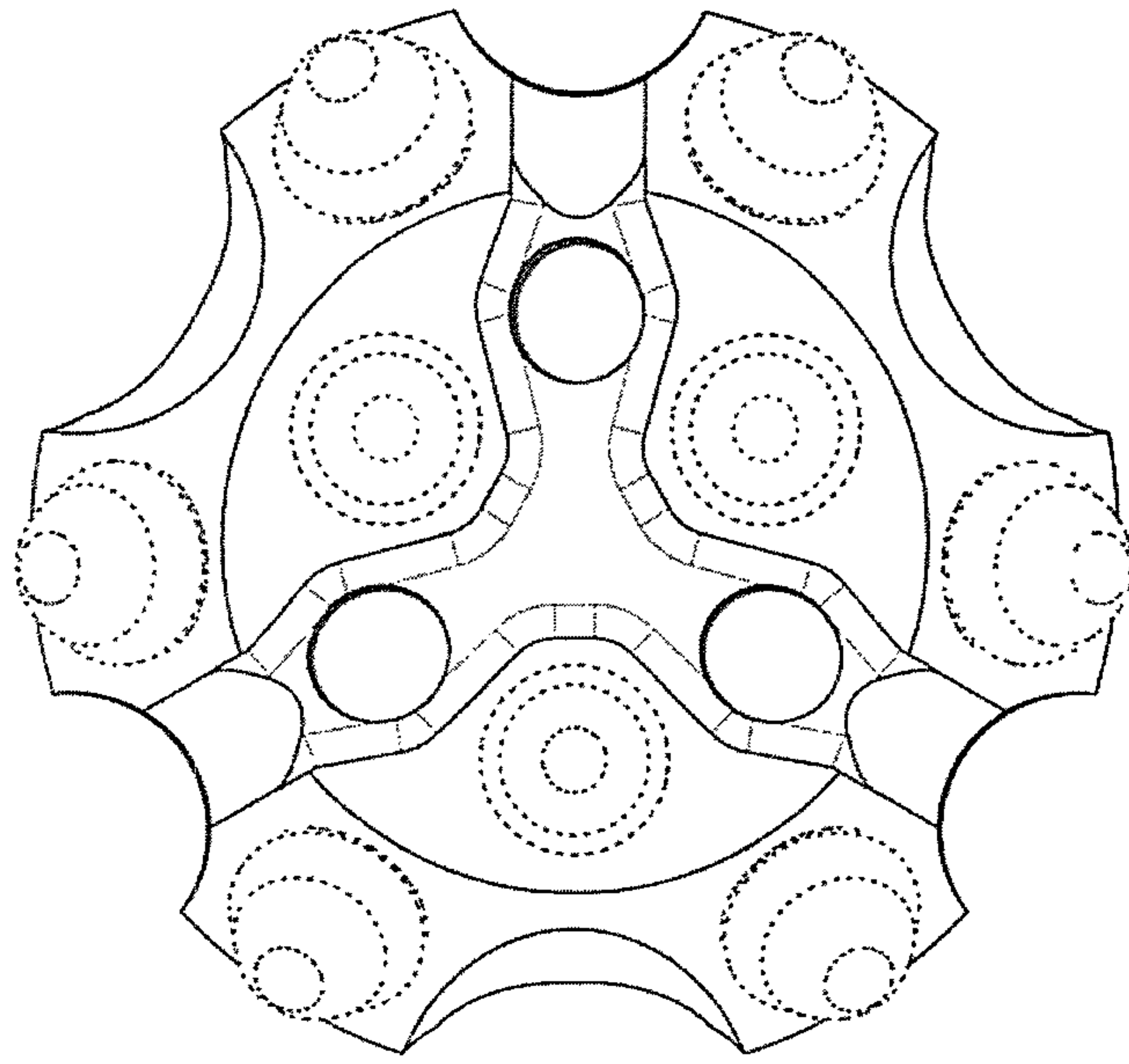


FIG. 7

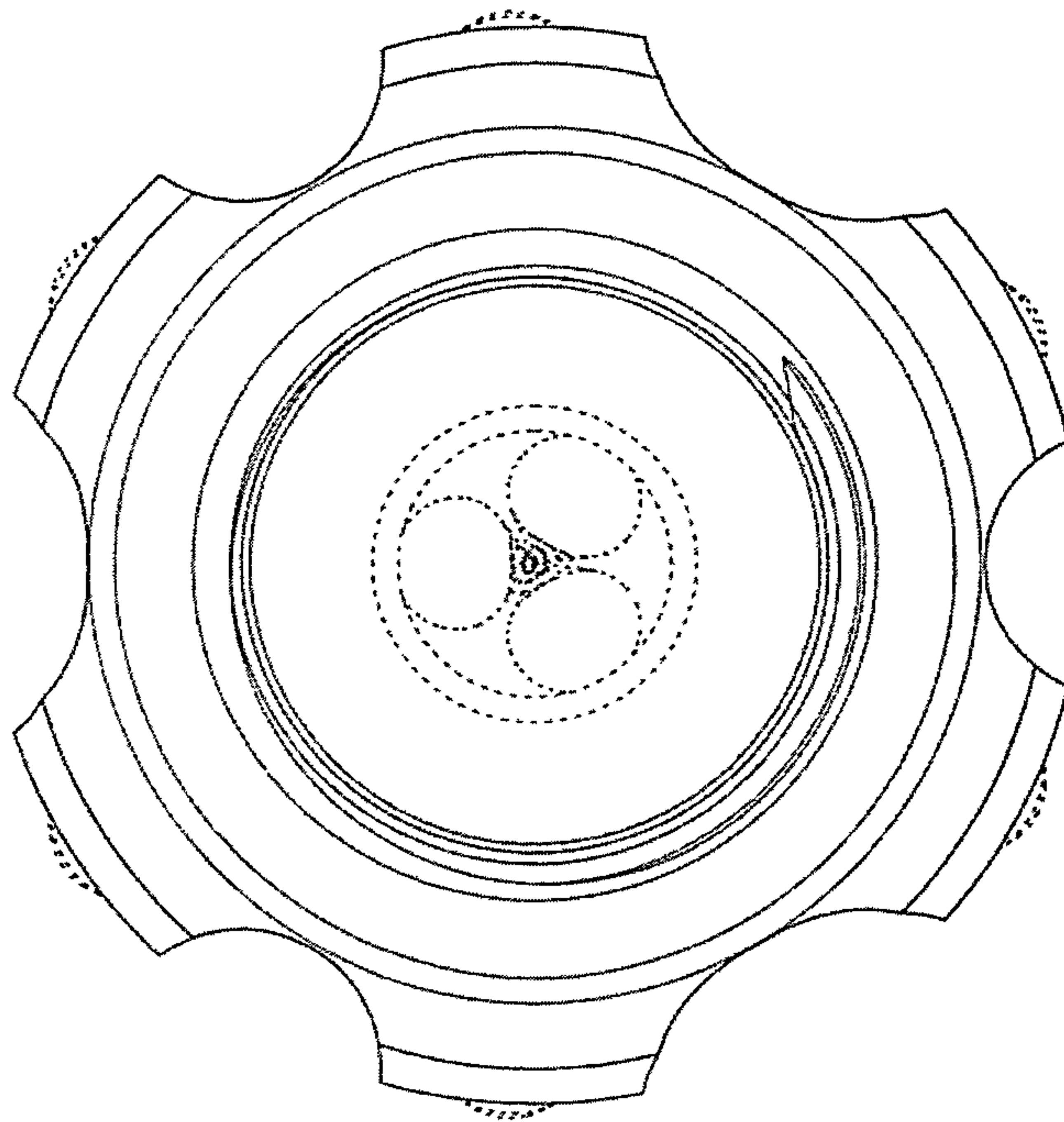


FIG. 8