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

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- (54) **FLUTED TAP**
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- (72) Inventors: **Devin Corbit**, Richmond, TX (US);
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7,144,208 B2 * 12/2006 Henderer B23G 5/06
408/144
7,147,413 B2 * 12/2006 Henderer B23G 5/06
408/144
7,150,588 B2 12/2006 Hakansson
D585,916 S * 2/2009 Greenleaf D15/128
7,736,100 B2 6/2010 Evans
(Continued)

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

FOREIGN PATENT DOCUMENTS

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EP 2511541 10/2014
WO WO 2007090600 8/2007
WO WO 2019130142 7/2019

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(51) **LOC (13) Cl.** **08-05**

(52) **U.S. Cl.**
USPC **D15/139**

(58) **Field of Classification Search**
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CPC . B23G 5/00; B23G 5/06; B23G 5/062; B23G
5/068; B26G 5/066
See application file for complete search history.

OTHER PUBLICATIONS

“JTC Spark Plug Hole Thread Chaser. JTC Tools # 1618” available
at <https://www.ebay.com/itm/JTC-Spark-Plug-Hole-Thread-Chaser-JTC-Tools-1618-/183131189857> (last accessed Jul. 22, 2019).
(Continued)

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(56) **References Cited**

U.S. PATENT DOCUMENTS

- 1,093,331 A 4/1914 Jaques
- 4,111,442 A 9/1978 Wawrzyniak
- 4,412,764 A 11/1983 Wawrzyniak
- 4,708,542 A * 11/1987 Emanuelli B23G 5/06
407/119
- 4,856,946 A 8/1989 Park
- 5,037,251 A * 8/1991 Roth B23B 31/005
408/222
- D328,557 S * 8/1992 Nishimura D8/70
- 6,068,632 A * 5/2000 Carchidi A61B 17/1635
433/165
- 6,217,267 B1 * 4/2001 Sugano B23G 7/02
408/222
- 6,244,142 B1 6/2001 Swanson
- 6,293,740 B1 * 9/2001 Schulte B23G 5/182
409/66
- 6,499,920 B2 12/2002 Sawabe
- 6,929,024 B1 * 8/2005 Rucker B25B 27/062
137/315.41

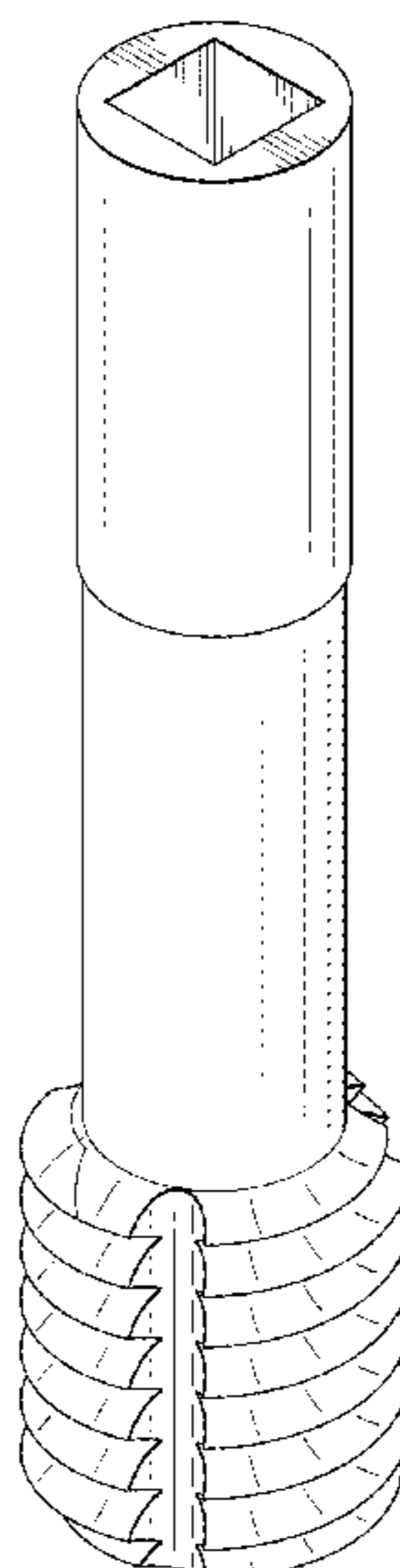
(57) **CLAIM**

The ornamental design for a fluted tap, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a fluted tap;
FIG. 2 is a front elevation view thereof;
FIG. 3 is a rear elevation view thereof;
FIG. 4 is right side elevation view thereof;
FIG. 5 is a left side elevation view thereof;
FIG. 6 is a top plan view thereof;
FIG. 7 is a bottom plan view thereof; and,
FIG. 8 is a perspective view of a fluted tap.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

8,052,360 B2 11/2011 Strom
 8,425,163 B2* 4/2013 Yamamoto B23G 7/02
 408/222
 D686,647 S * 7/2013 Glimpel D15/139
 D694,407 S * 11/2013 Ackermann D24/152
 8,844,941 B1 9/2014 Dickrede
 8,931,980 B2 1/2015 Knecht
 8,944,728 B2 2/2015 Vokel
 9,138,819 B2* 9/2015 Ohhashi B23G 7/02
 9,227,256 B2 1/2016 Emerson
 D805,863 S * 12/2017 Alho D8/14
 9,962,784 B2 5/2018 Bohm
 10,245,665 B2 4/2019 Woods
 D877,218 S * 3/2020 Wu D15/139
 2005/0271486 A1* 12/2005 Henderer B23P 15/52
 408/222
 2007/0082746 A1 4/2007 Rigdon
 2007/0298892 A1* 12/2007 Leonard B23G 1/261
 470/198
 2008/0075550 A1* 3/2008 Reed B23G 5/06
 408/230

2009/0136898 A1* 5/2009 Kim A61B 17/1655
 433/165
 2011/0020087 A1* 1/2011 Yamamoto B23G 7/02
 408/219
 2012/0243953 A1 9/2012 Orbendorfer
 2014/0105697 A1* 4/2014 Osawa B23G 5/005
 408/57
 2015/0023749 A1 1/2015 Wheatley
 2015/0158101 A1 6/2015 Evans
 2018/0085835 A1* 3/2018 Wu B23C 5/10
 2018/0185941 A1* 7/2018 Klein B23G 5/068
 2019/0176255 A1 6/2019 Kopton
 2019/0291196 A1* 9/2019 Harada B23G 7/02

OTHER PUBLICATIONS

“ABN Oxygen Sensor Thread Chaser, M18 × 1.5 Oxygen Sensor Socket Rethread Tool” available at <https://www.ebay.com/itm/ABN-Oxygen-Sensor-Thread-Chaser-M18-x-1-5-Oxygen-Sensor-Socket-Rethread-Tool-/231779043341> (last accessed Jul. 22, 2019).

* cited by examiner

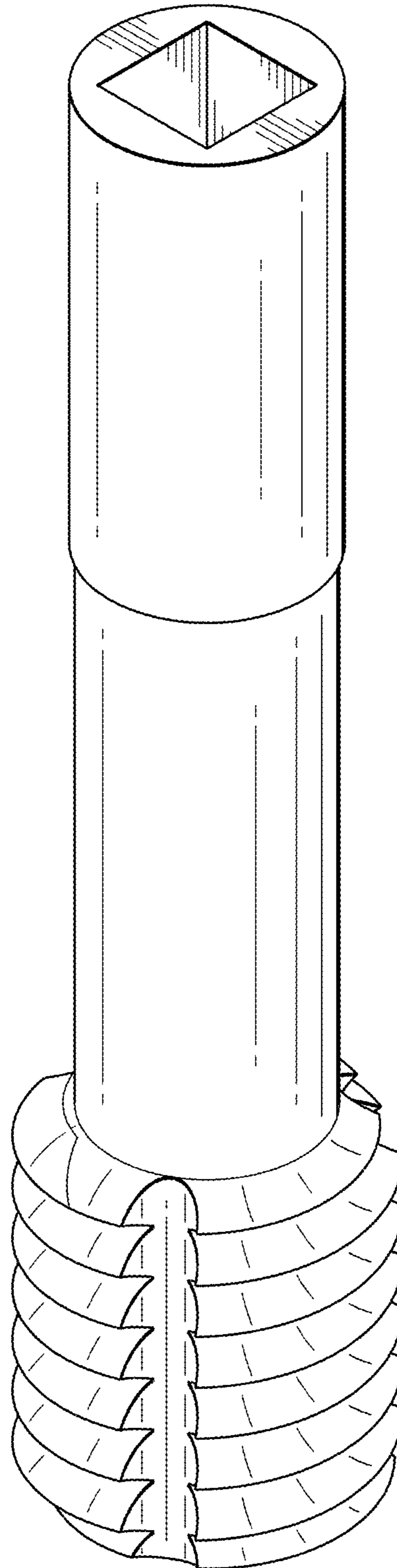


FIG. 1

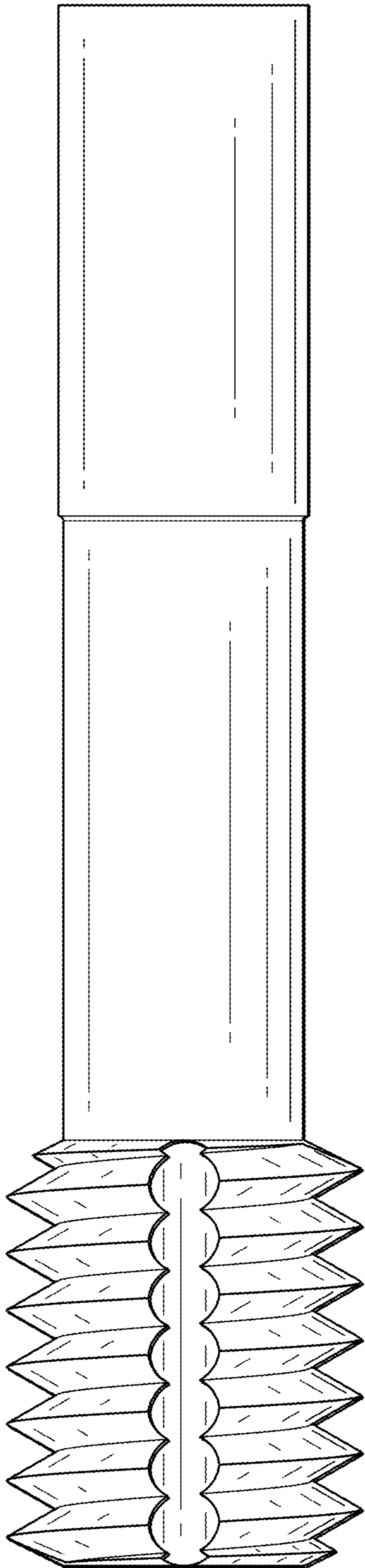


FIG. 2

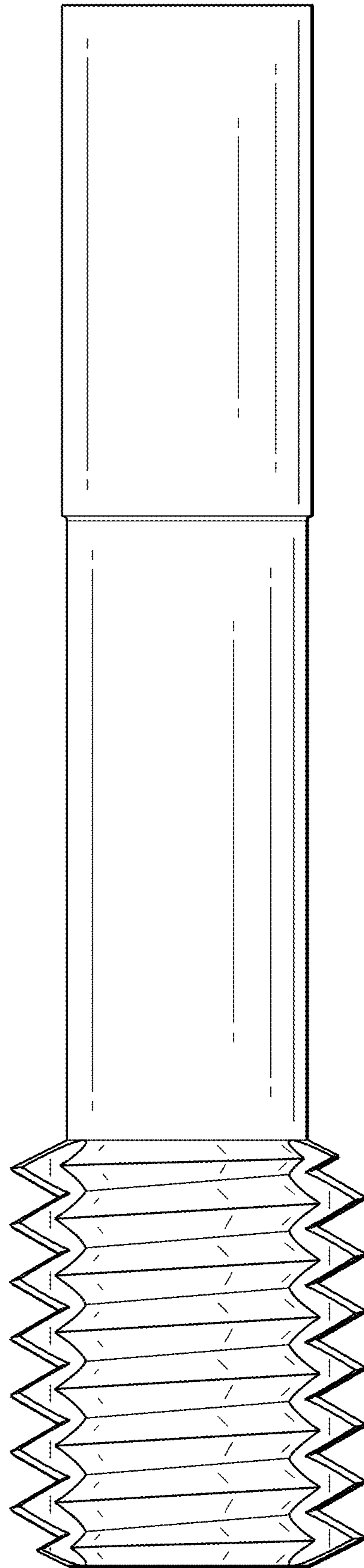


FIG. 3

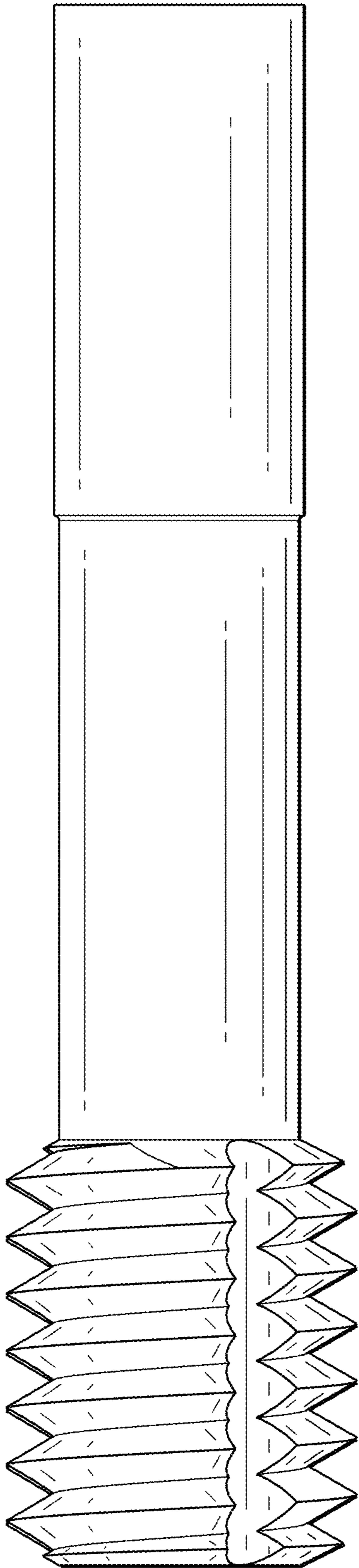


FIG. 4

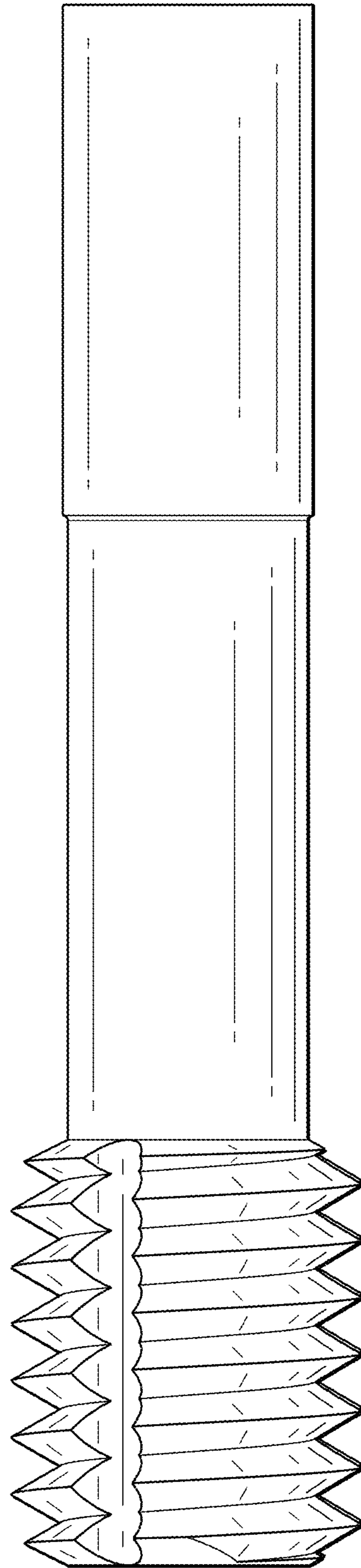


FIG. 5

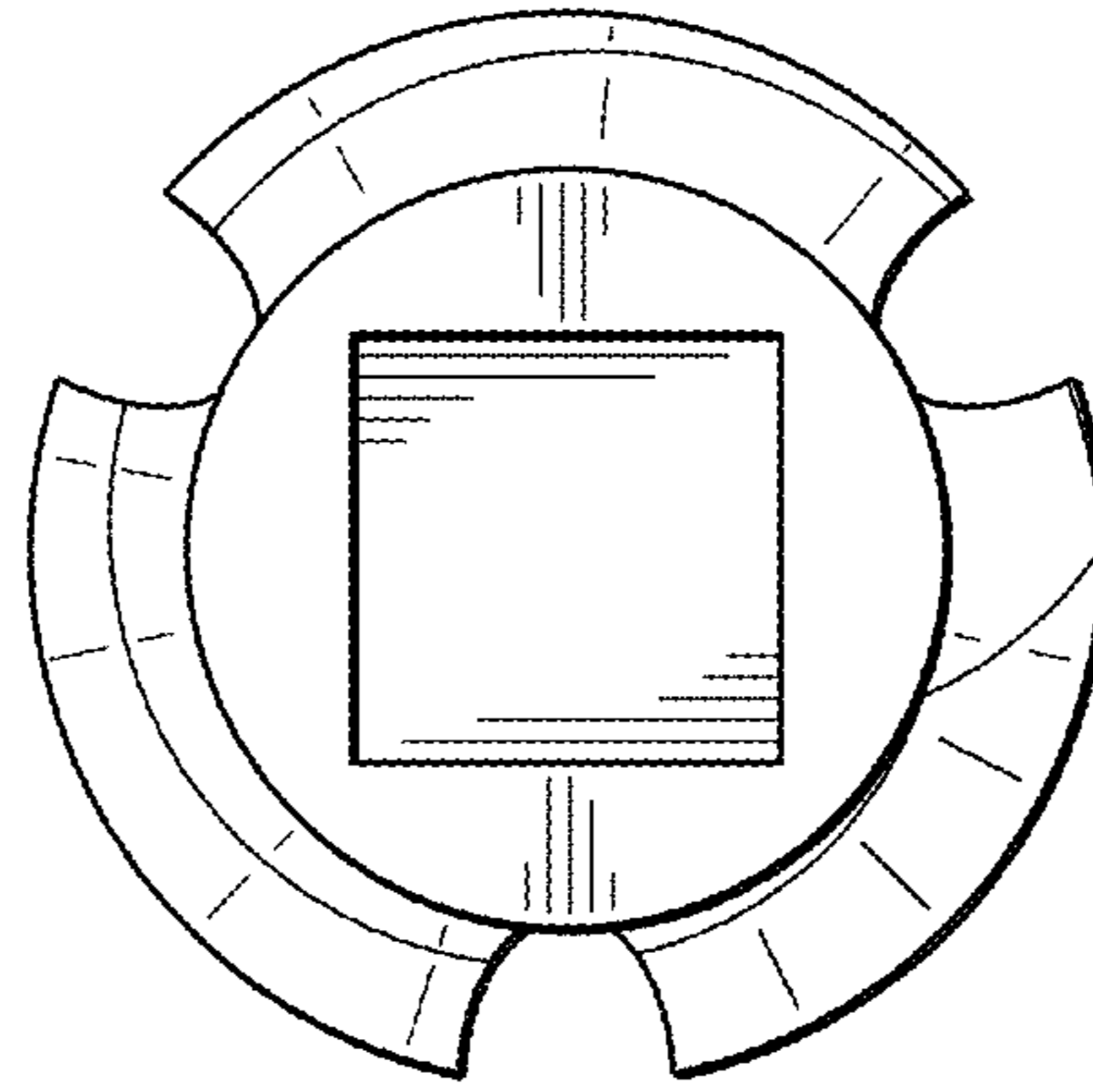


FIG. 6

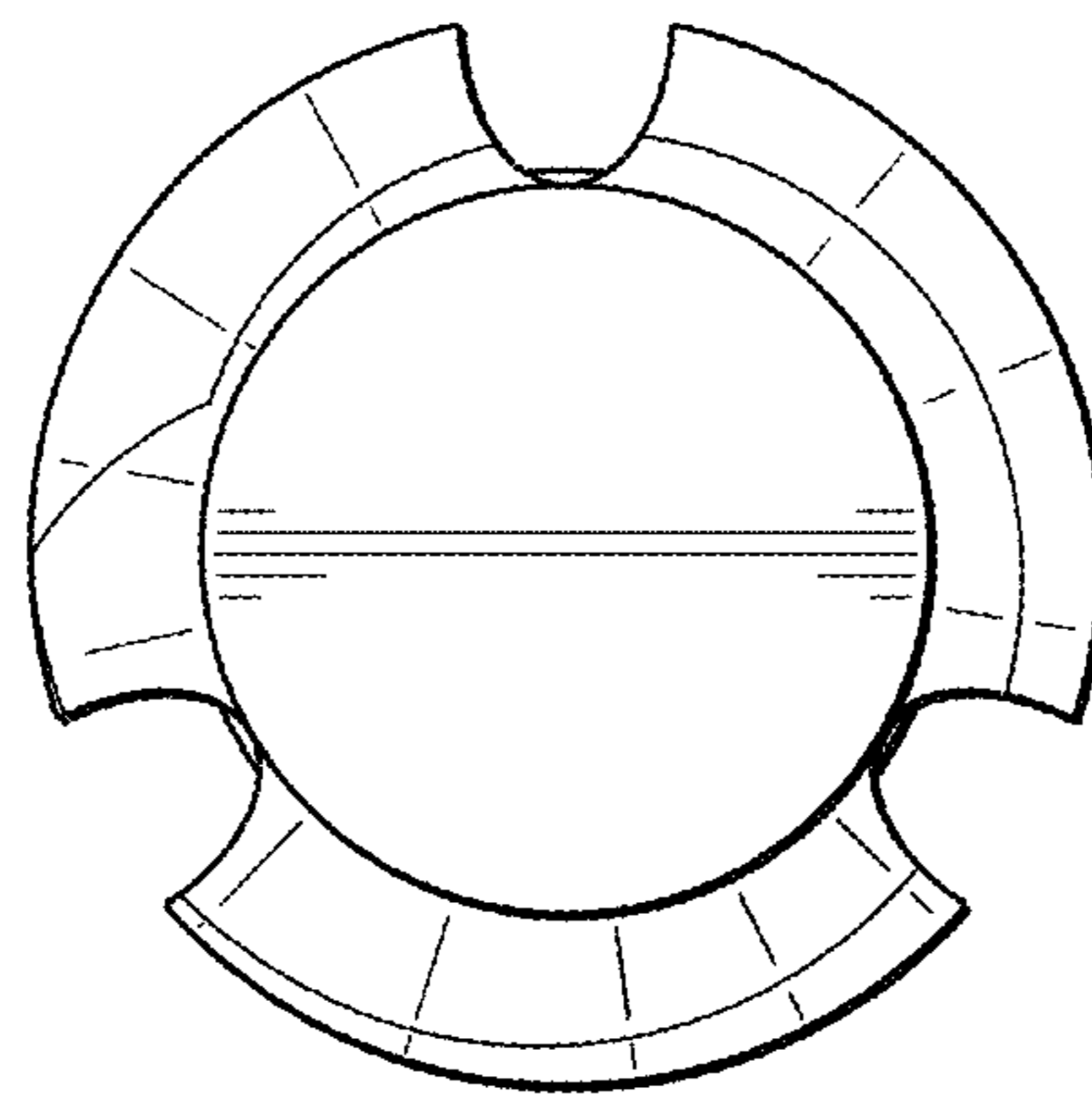


FIG. 7

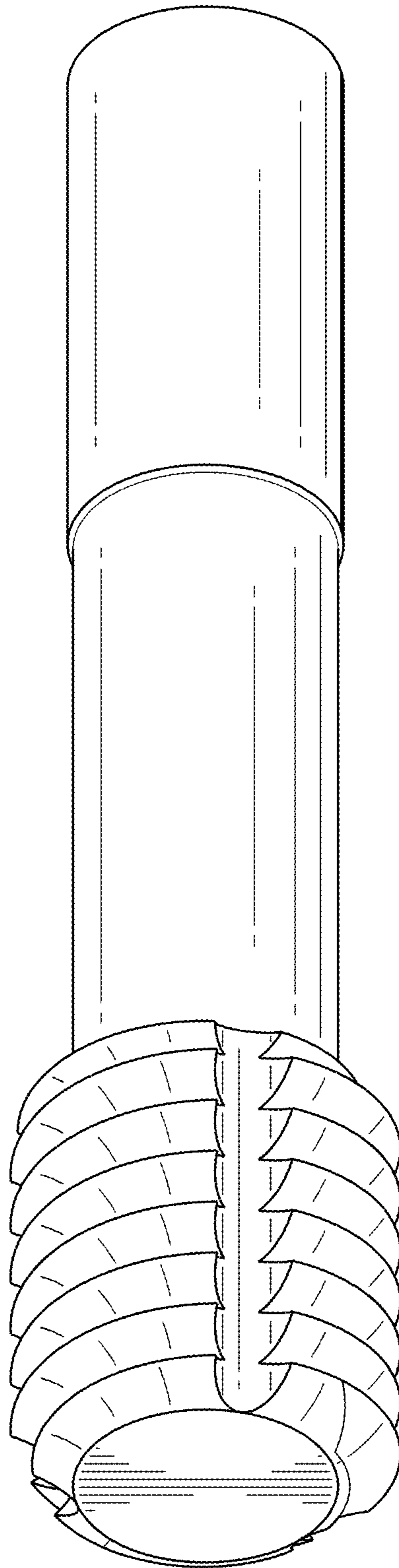


FIG. 8