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

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(54) **MILLING TOOL**

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(73) Assignee: **Betek GmbH & Co. KG**

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

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Related U.S. Application Data

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Foreign Application Priority Data

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(51) **LOC (13) Cl.** **15-09**

(52) **U.S. Cl.**
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CPC **E21C 35/18** (2013.01)

(58) **Field of Classification Search**
USPC D8/70-74; D15/131, 132, 138, 139, 140
CPC E21C 35/18; E21C 35/183; E21C 35/1826;
E21C 35/19; E28D 1/186
See application file for complete search history.

References Cited

U.S. PATENT DOCUMENTS

4,547,020 A 10/1985 Ojanen
4,818,027 A 4/1989 Simon
5,683,144 A 11/1997 Kammerer et al.

6,199,956 B1 3/2001 Kammerer
6,378,952 B1 4/2002 Moosmann et al.
6,428,111 B1 8/2002 Kammerer
6,431,656 B1 8/2002 Kammerer
6,508,516 B1 1/2003 Kammerer
6,592,304 B1 7/2003 Kammerer
6,619,757 B1 9/2003 Kammerer
6,644,755 B1 11/2003 Kammerer
D520,035 S 5/2006 Kammerer
D572,735 S 7/2008 Kammerer
7,490,912 B2 2/2009 Höll
D627,808 S 11/2010 Kammerer
D627,809 S 11/2010 Kammerer
D636,797 S 4/2011 Kammerer
7,922,256 B2 4/2011 Kammerer et al.
7,922,257 B2 4/2011 Kammerer
D637,213 S 5/2011 Kammerer
8,267,483 B2 9/2012 Kraemer et al.
8,550,569 B2 10/2013 Woehrstein et al.
9,074,472 B2 7/2015 Lehnert et al.
D742,948 S 11/2015 Kenno et al.

(Continued)

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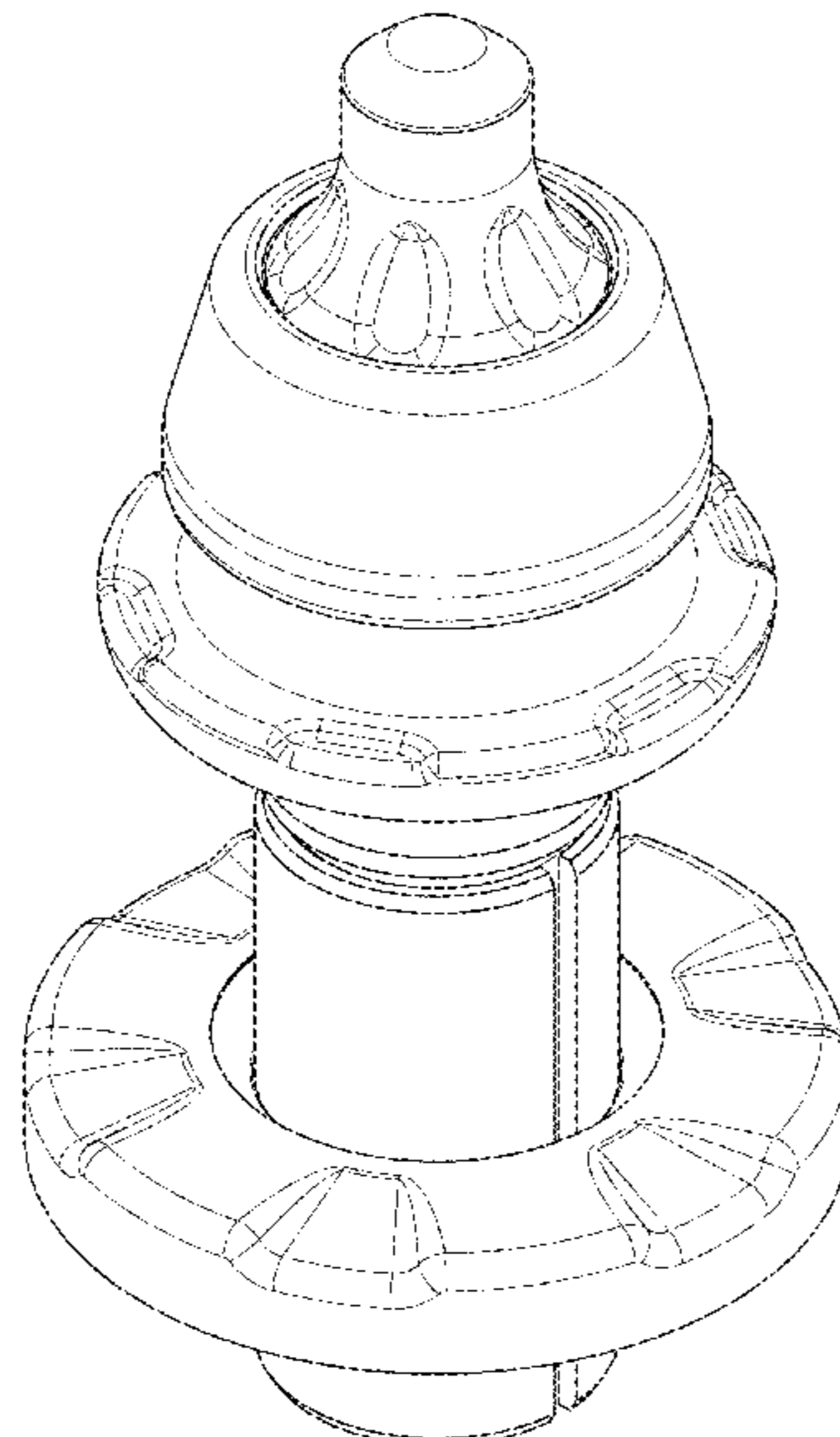
(57) **CLAIM**

What is claimed is the ornamental design for a milling tool, as shown and described.

DESCRIPTION

FIG. 1 bottom view of the milling tool.
FIG. 2 is right side elevation view of the milling tool of FIG. 1.
FIG. 3 is a front elevation view of the milling tool of FIG. 1.
FIG. 4 is a left side view of the milling tool of FIG. 1.
FIG. 5 is a rear elevation view of the milling tool of FIG. 1.
FIG. 6 is top view of the milling tool of FIG. 1; and,
FIG. 7 is left front perspective view of the milling tool of FIG. 1.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D742,949 S 11/2015 Kenno et al.
 D746,884 S 1/2016 Heilmeyer et al.
 9,234,424 B1 1/2016 Lehnert et al.
 D772,315 S * 11/2016 Friederichs D15/139
 D808,449 S * 1/2018 Buhr D15/139
 D819,098 S * 5/2018 Buhr E21C 35/18
 D824,436 S * 7/2018 Porturas D15/139
 10,046,479 B2 8/2018 Lehnert et al.
 D841,063 S * 2/2019 Friederichs D15/139
 10,227,870 B2 3/2019 Lehnert et al.
 10,260,341 B2 4/2019 Kammerer et al.
 10,385,690 B2 8/2019 Roth
 10,415,385 B2 9/2019 Kraemer et al.
 D863,386 S * 10/2019 Swope D15/139
 D868,122 S * 11/2019 Rose D15/139
 D882,792 S * 4/2020 Qun D24/146

D884,281 S * 5/2020 Pellereau D28/73
 10,662,770 B2 5/2020 Kammerer et al.
 D893,029 S * 8/2020 Qun D24/146
 2005/0212345 A1 * 9/2005 Sleep E21C 35/197
 2006/0125307 A1 * 6/2006 Sollami E21C 35/197
 2008/0223744 A1 9/2008 Tewes et al.
 2010/0295360 A1 11/2010 Kraemer et al.
 2011/0204702 A1 8/2011 Lehnert et al.
 2012/0080930 A1 4/2012 Latham
 2013/0307318 A1 11/2013 Kammerer et al.
 2014/0191563 A1 * 7/2014 Elfgen E21C 35/19
 2015/0091365 A1 4/2015 Laux et al.
 2015/0252670 A1 9/2015 Wachsmann et al.
 2016/0229084 A1 8/2016 Lehnert et al.
 2016/0230551 A1 8/2016 Lehnert et al.
 2017/0074098 A1 3/2017 Roth

* cited by examiner

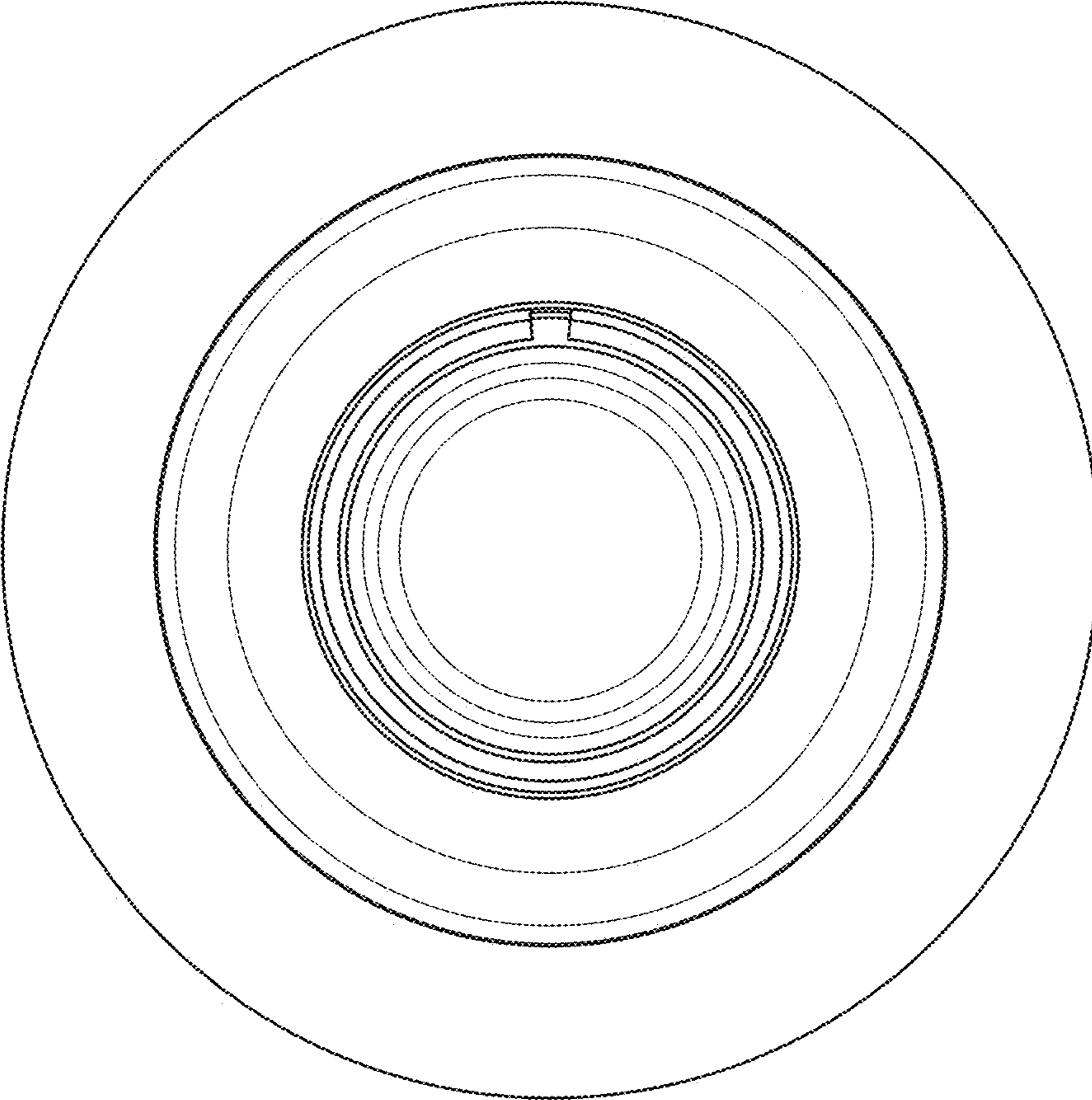


FIG. 1

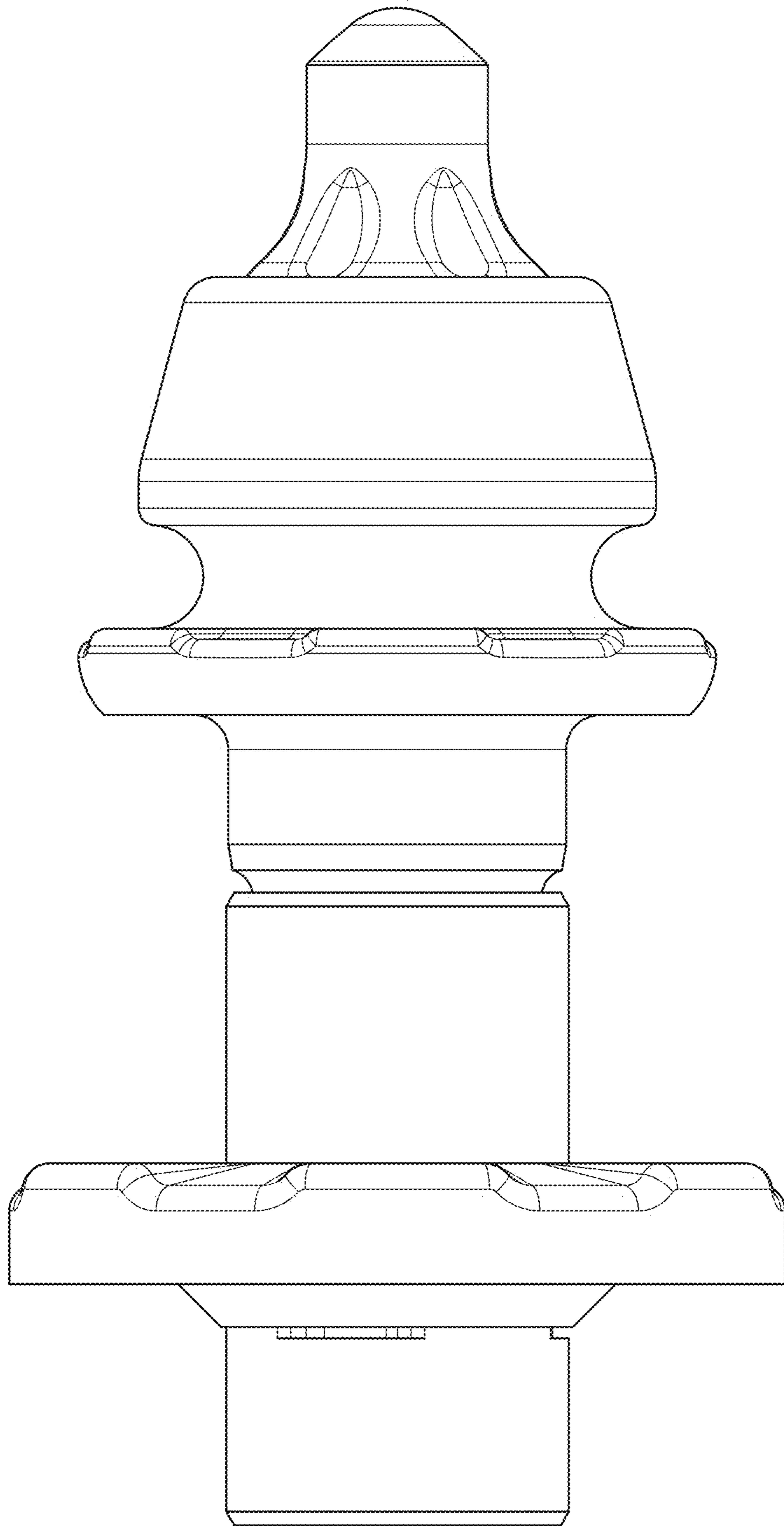


FIG. 2

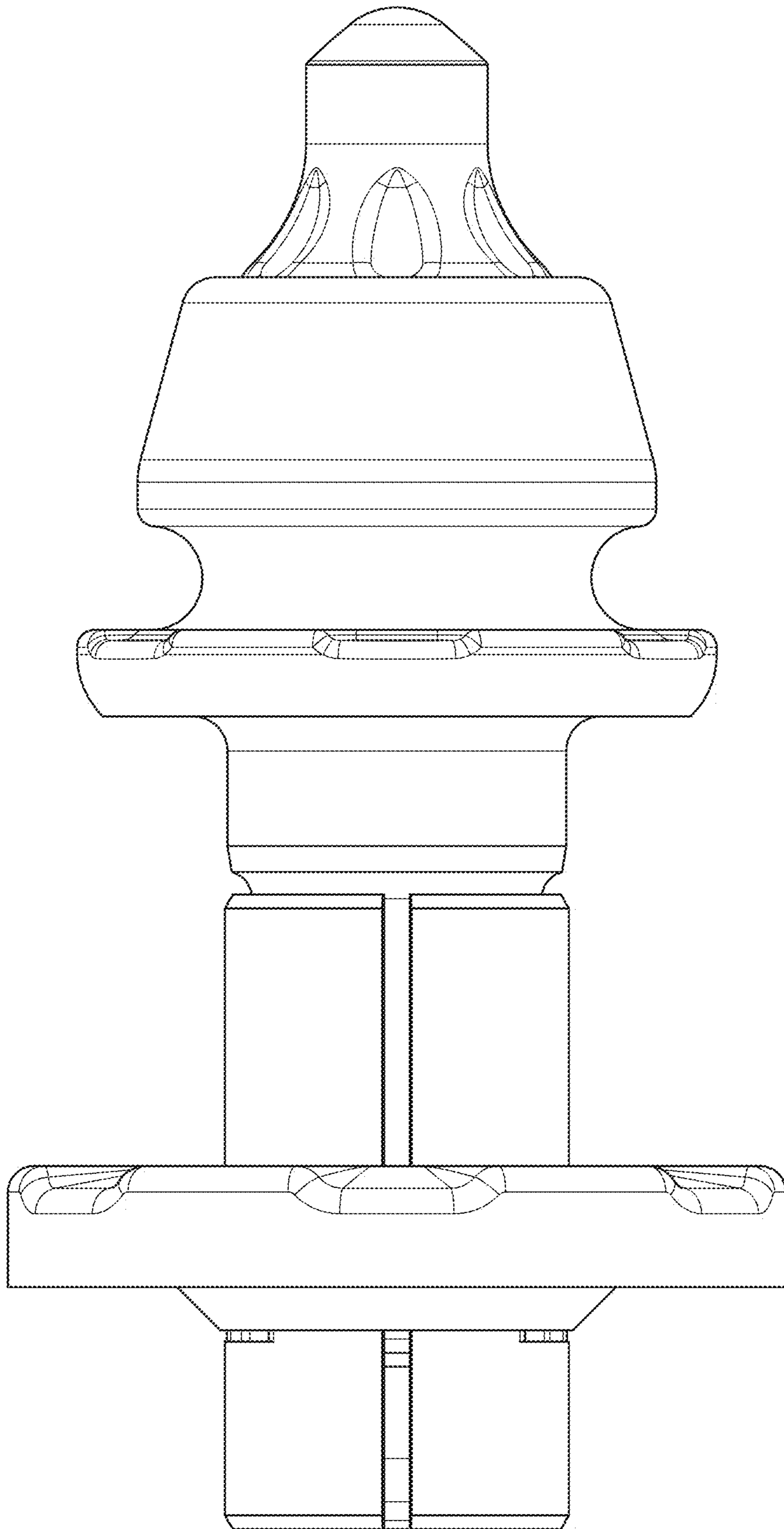


FIG. 3

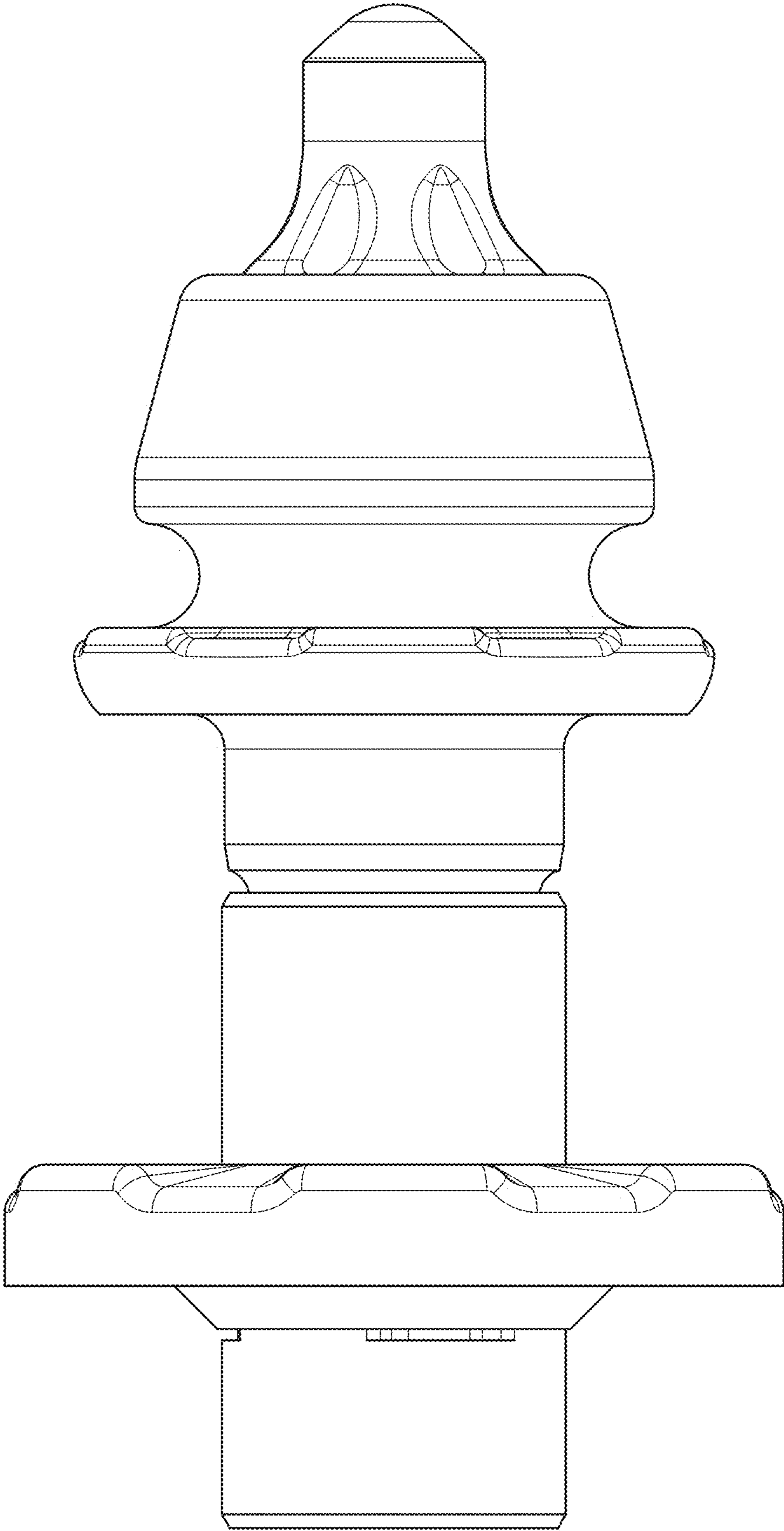


FIG. 4

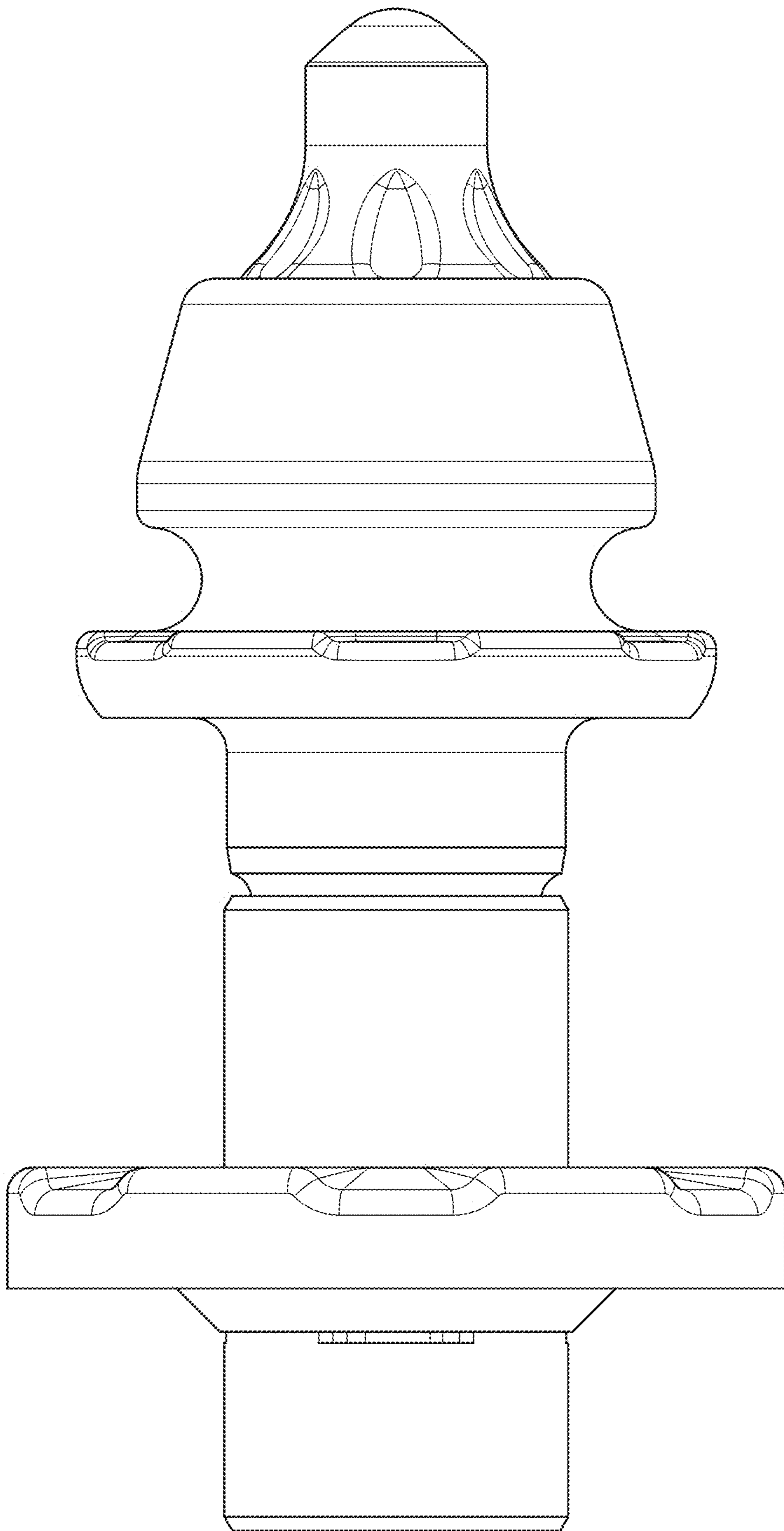


FIG. 5

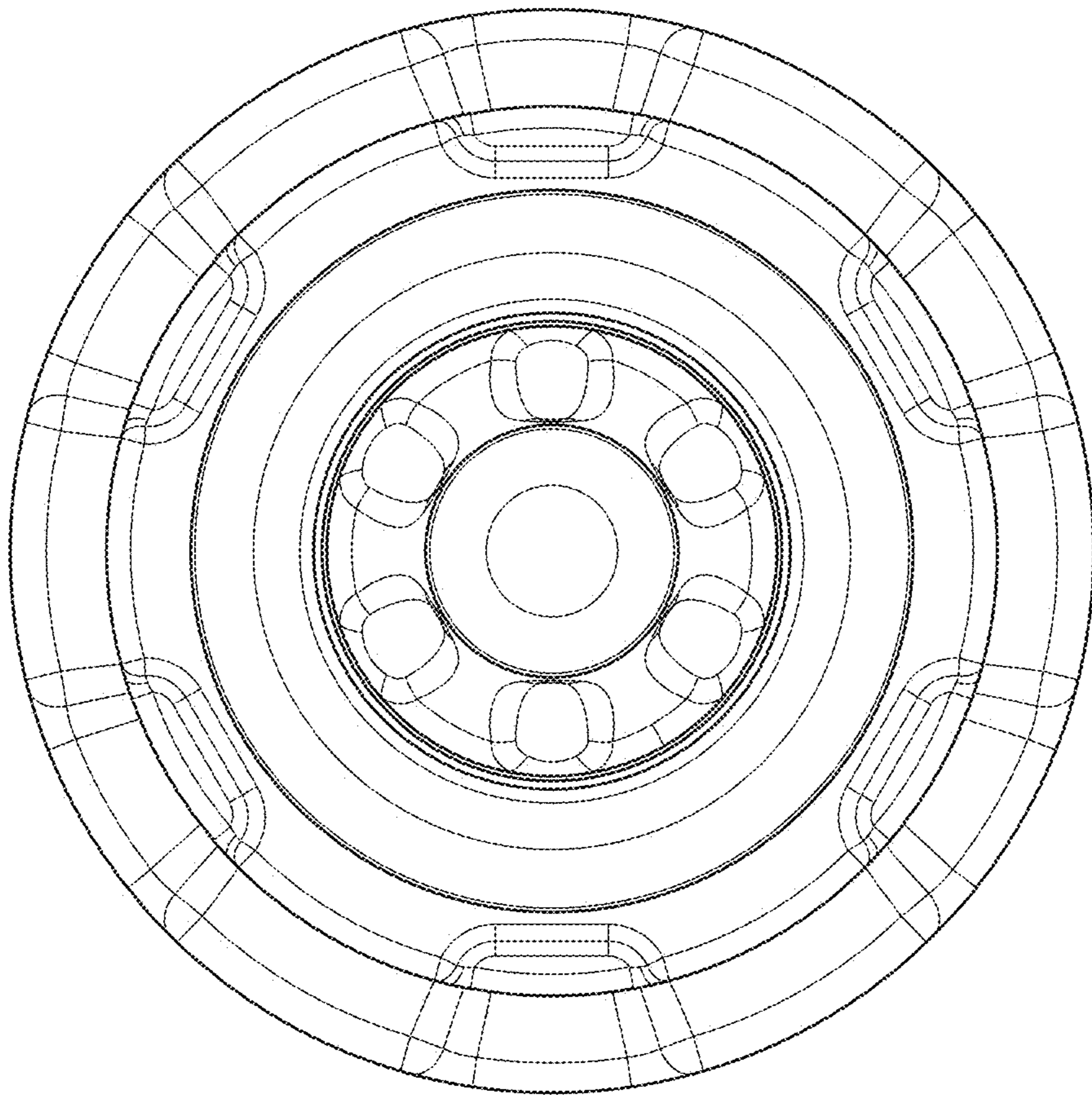


FIG. 6

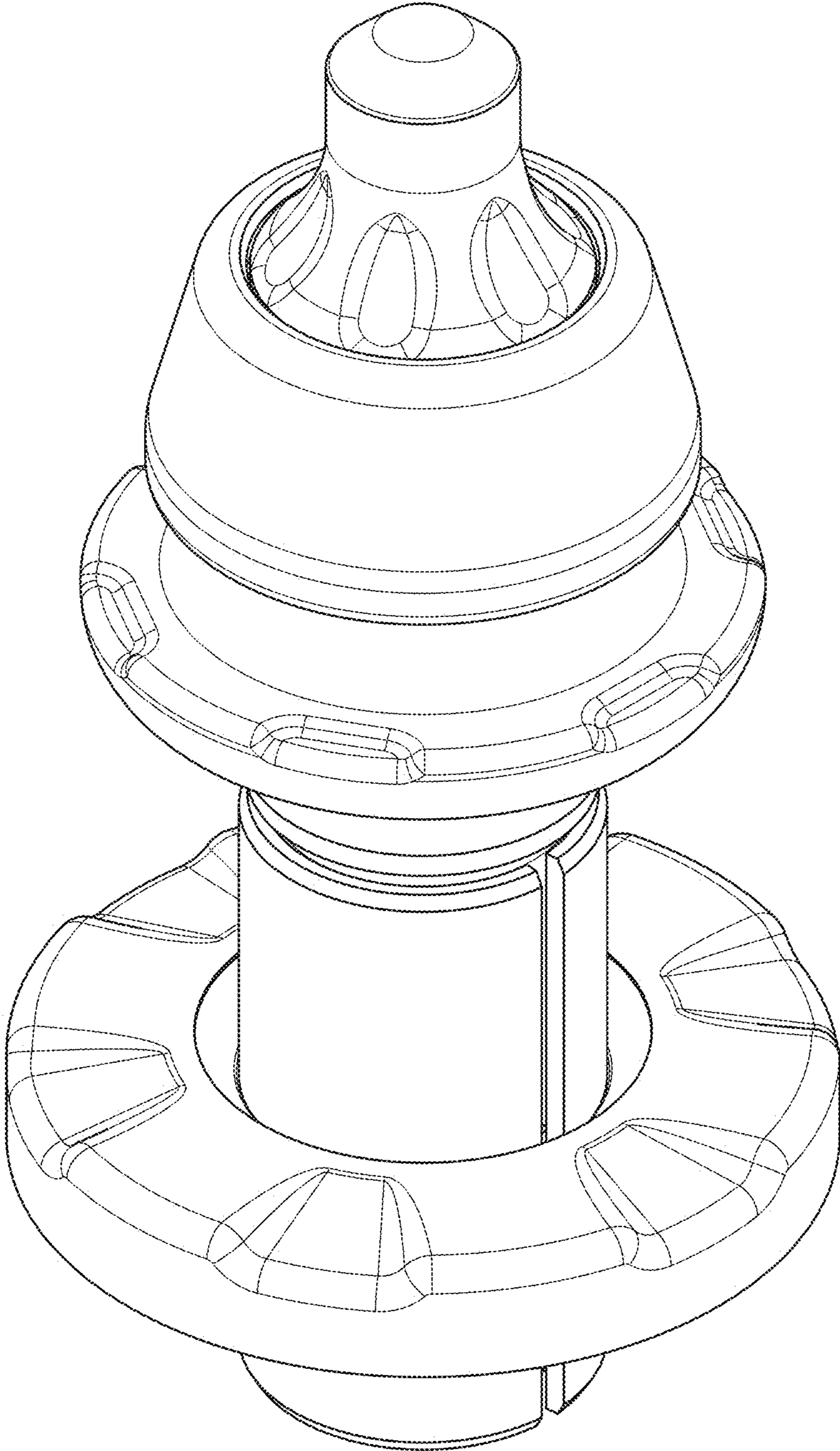


FIG. 7