



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

(10) **Patent No.:** **US D1,051,682 S**
(45) **Date of Patent:** **** Nov. 19, 2024**

- (54) **BLADE**
- (71) Applicant: **MILWAUKEE ELECTRIC TOOL CORPORATION**, Brookfield, WI (US)
- (72) Inventor: **Flevian J. Gonsalves**, New Berlin, WI (US)
- (73) Assignee: **MILWAUKEE ELECTRIC TOOL CORPORATION**, Brookfield, WI (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/868,268**
- (22) Filed: **Nov. 28, 2022**
- (51) **LOC (14) Cl.** **08-03**
- (52) **U.S. Cl.**
USPC **D8/20; D8/70**
- (58) **Field of Classification Search**
USPC D8/20, 70, 19, 64; D24/146; D15/139, D15/133

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 2,557,364 A * 6/1951 Treace B23D 61/025 D24/146
- 3,554,197 A * 1/1971 Dobbie B27B 19/006 606/178

(Continued)

FOREIGN PATENT DOCUMENTS

- CN 202174291 U 3/2012
- CN 302305906 1/2013

(Continued)

OTHER PUBLICATIONS

Imperial Blades, "Oscillating Blades," retrieved from <<https://imperialblades.com/blades/oscillating-blades/>> web page visited Sep. 16, 2022 (3 pages).

(Continued)

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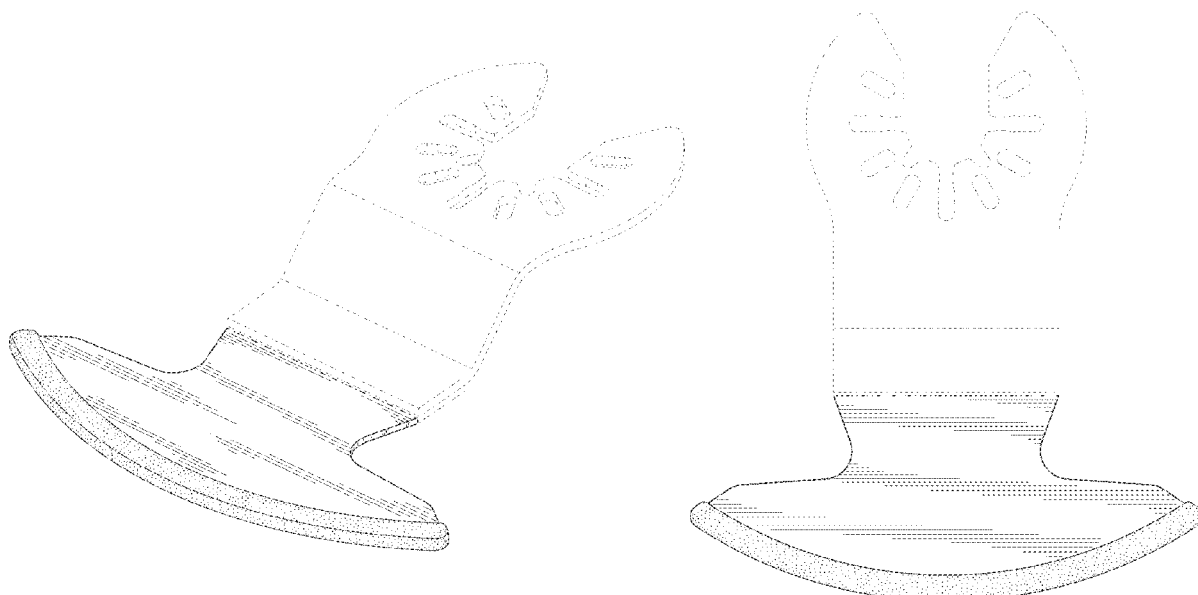
(57) **CLAIM**

The ornamental design for a blade, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of a blade.
 FIG. 2 is a bottom perspective view of the blade shown in FIG. 1.
 FIG. 3 is a top view of the blade shown in FIG. 1.
 FIG. 4 is a bottom view of the blade shown in FIG. 1.
 FIG. 5 is a left side view of the blade shown in FIG. 1.
 FIG. 6 is a right side view of the blade shown in FIG. 1.
 FIG. 7 is a front view of the blade shown in FIG. 1.
 FIG. 8 is a rear view of the blade shown in FIG. 1.
 FIG. 9 is a top perspective view of a blade.
 FIG. 10 is a bottom perspective view of the blade shown in FIG. 9.
 FIG. 11 is a top view of the blade shown in FIG. 9.
 FIG. 12 is a bottom view of the blade shown in FIG. 9.
 FIG. 13 is a left side view of the blade shown in FIG. 9.
 FIG. 14 is a right side view of the blade shown in FIG. 9.
 FIG. 15 is a front view of the blade shown in FIG. 9; and, FIG. 16 is a rear view of the blade shown in FIG. 9.
 The dash-dash broken lines represent portions of the article that form no part of the claimed design. The dash-dot broken lines represent boundaries of the claimed design and form no part of the claimed design. Stippling and straight-line surface shading are used to show surface contrast. In FIGS. 1-16, the article is a blade, such as an oscillating multi-tool or the like.

1 Claim, 12 Drawing Sheets



(58) **Field of Classification Search**
 CPC B23D 61/006; B27B 19/006; B24B 23/04;
 A61B 17/142
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,617,930 A 10/1986 Saunders
 D362,065 S * 9/1995 Goris D24/146
 5,489,285 A * 2/1996 Goris B23D 51/10
 D24/146
 5,507,763 A * 4/1996 Petersen A61B 17/142
 606/176
 D410,309 S * 5/1999 Schmidt D32/46
 D459,805 S * 7/2002 Pascaloff D24/146
 D489,823 S * 5/2004 Fisher D24/146
 6,896,679 B2 * 5/2005 Danger A61B 17/142
 606/178
 7,901,424 B2 * 3/2011 Fletcher B23D 51/10
 606/178
 D680,831 S * 4/2013 Zhang D8/20
 8,568,204 B2 10/2013 Steiger et al.
 D693,193 S * 11/2013 Bozic D8/20
 D694,076 S * 11/2013 Davidian D8/20
 D694,077 S * 11/2013 Bozic D8/20
 D694,599 S * 12/2013 Davidian D8/20
 8,875,611 B2 11/2014 Mann
 D727,380 S * 4/2015 Zhang D15/139
 9,027,452 B2 5/2015 Nagy et al.
 D741,137 S * 10/2015 Yang D8/70
 D762,751 S * 8/2016 Bernardy D8/20
 9,522,432 B2 12/2016 Staub
 9,545,679 B2 1/2017 Okada
 D807,719 S * 1/2018 Gopi D8/20
 D809,355 S * 2/2018 Butscher D8/20
 D813,624 S * 3/2018 Gopi D8/20
 D817,127 S * 5/2018 Gopi D8/20
 D817,129 S * 5/2018 Gopi D8/20
 10,112,294 B2 10/2018 Fuchs
 10,286,466 B2 5/2019 Zhang et al.
 10,427,230 B2 10/2019 Bernardi et al.
 10,456,945 B2 10/2019 Dresen et al.
 10,478,908 B2 11/2019 Rubens et al.
 10,792,740 B2 10/2020 Karlen
 10,799,968 B2 10/2020 Bozic
 D904,144 S * 12/2020 Butscher D8/20
 D904,145 S * 12/2020 Butscher D8/20
 10,906,108 B2 2/2021 Rubens et al.
 11,376,017 B2 * 7/2022 Cundiff A61B 17/142
 D962,027 S * 8/2022 Beck D8/20
 D993,413 S * 7/2023 Sweitzer D24/146
 D994,448 S * 8/2023 Bozic B27B 19/006
 D8/20
 D1,007,262 S * 12/2023 Shi D8/20
 2002/0104421 A1 8/2002 Wurst
 2003/0014067 A1 * 1/2003 Kullmer B23D 61/006
 606/178
 2004/0098000 A1 * 5/2004 Kleinwaechter B23D 61/123
 D24/146
 2004/0138668 A1 * 7/2004 Fisher B23D 51/10
 606/82
 2008/0190259 A1 * 8/2008 Bohne B24B 23/04
 83/666
 2011/0219929 A1 * 9/2011 Mann B23B 27/16
 83/846
 2011/0227300 A1 * 9/2011 Zhang B25F 3/00
 279/143
 2011/0309589 A1 * 12/2011 Maras B25F 3/00
 279/143

2011/0316242 A1 * 12/2011 Zhang B27B 5/30
 279/143
 2012/0169018 A1 * 7/2012 Lu B25F 3/00
 279/143
 2012/0311876 A1 12/2012 Zhang
 2013/0133501 A1 5/2013 Zhang
 2013/0193655 A1 * 8/2013 Kaye, Jr. B27B 5/32
 279/141
 2013/0331013 A1 * 12/2013 Neal, Jr. B24D 18/00
 451/461
 2014/0190328 A1 * 7/2014 Karlen B23D 61/006
 76/112
 2014/0230626 A1 8/2014 Puzio et al.
 2015/0020671 A1 1/2015 Meindorfer
 2015/0096422 A1 * 4/2015 Stoddart B23D 61/021
 83/835
 2015/0273706 A1 * 10/2015 Martin B26B 9/02
 30/353
 2016/0184984 A1 * 6/2016 Dresen B26B 5/00
 173/1
 2016/0257010 A1 * 9/2016 Jones B23D 51/10
 2017/0028525 A1 * 2/2017 Bek B24B 23/04
 2018/0200812 A1 * 7/2018 Kaye, Jr. B24B 23/04
 2019/0054552 A1 * 2/2019 Churchill B23D 61/006
 2019/0192170 A1 * 6/2019 Nunan A61B 17/144
 2019/0240752 A1 * 8/2019 Churchill B26B 7/00
 2020/0122347 A1 4/2020 Maras et al.
 2021/0229198 A1 7/2021 Reist et al.
 2021/0276111 A1 9/2021 Novak et al.
 2022/0001471 A1 1/2022 Imboden et al.
 2022/0274191 A1 * 9/2022 Lauber B23D 61/006
 2022/0297213 A1 * 9/2022 Springer B23D 61/006
 2022/0324042 A1 * 10/2022 Landt B24B 23/04
 2022/0331889 A1 * 10/2022 Kocher B23D 61/006
 2023/0139730 A1 * 5/2023 Ward B26B 9/02
 83/697
 2023/0234150 A1 * 7/2023 Howe B27B 19/006
 30/351

FOREIGN PATENT DOCUMENTS

CN 302305911 1/2013
 CN 203863141 U 10/2014
 DE 4141997 A1 6/1993
 DE 102004050799 A1 4/2006
 DE 202004021498 U1 6/2008
 DE 202011050511 U1 11/2011
 DE 202011108736 U1 4/2012
 DE 202012006282 U1 7/2012
 DE 102013203613 A1 9/2014
 DE 102013112888 A1 5/2015
 DE 102017007351 A1 6/2018
 WO 2008061835 A1 5/2008
 WO 2008151866 A1 12/2008
 WO 2012152482 A1 11/2012
 WO 2012163568 A1 12/2012
 WO 2013091965 A1 6/2013
 WO 2013091966 A1 6/2013
 WO 2013091982 A1 6/2013
 WO 2013113432 A1 8/2013
 WO 2013113523 A1 8/2013
 WO 2013178389 A1 12/2013
 WO 2021043872 A1 3/2021
 WO 2021130041 A1 7/2021

OTHER PUBLICATIONS

Milwaukee Electric Tool, "Oscillating Multi-Tool Blades," retrieved from <<https://www.milwaukeeetool.com/Products/Accessories/Cutting/Multi-Tool-Blades>> web page visited Sep. 16, 2022 (3 pages).

* cited by examiner

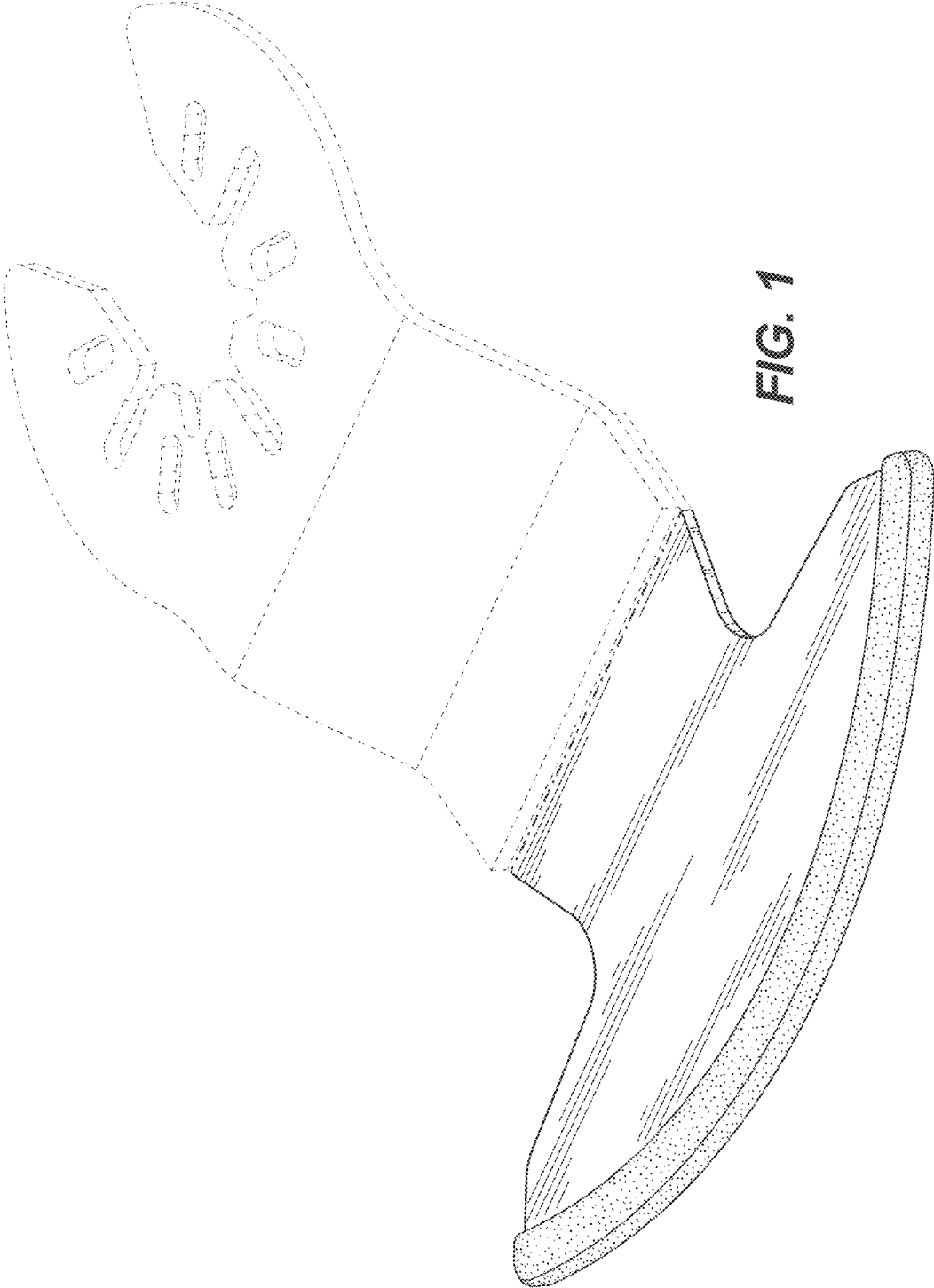


FIG. 1

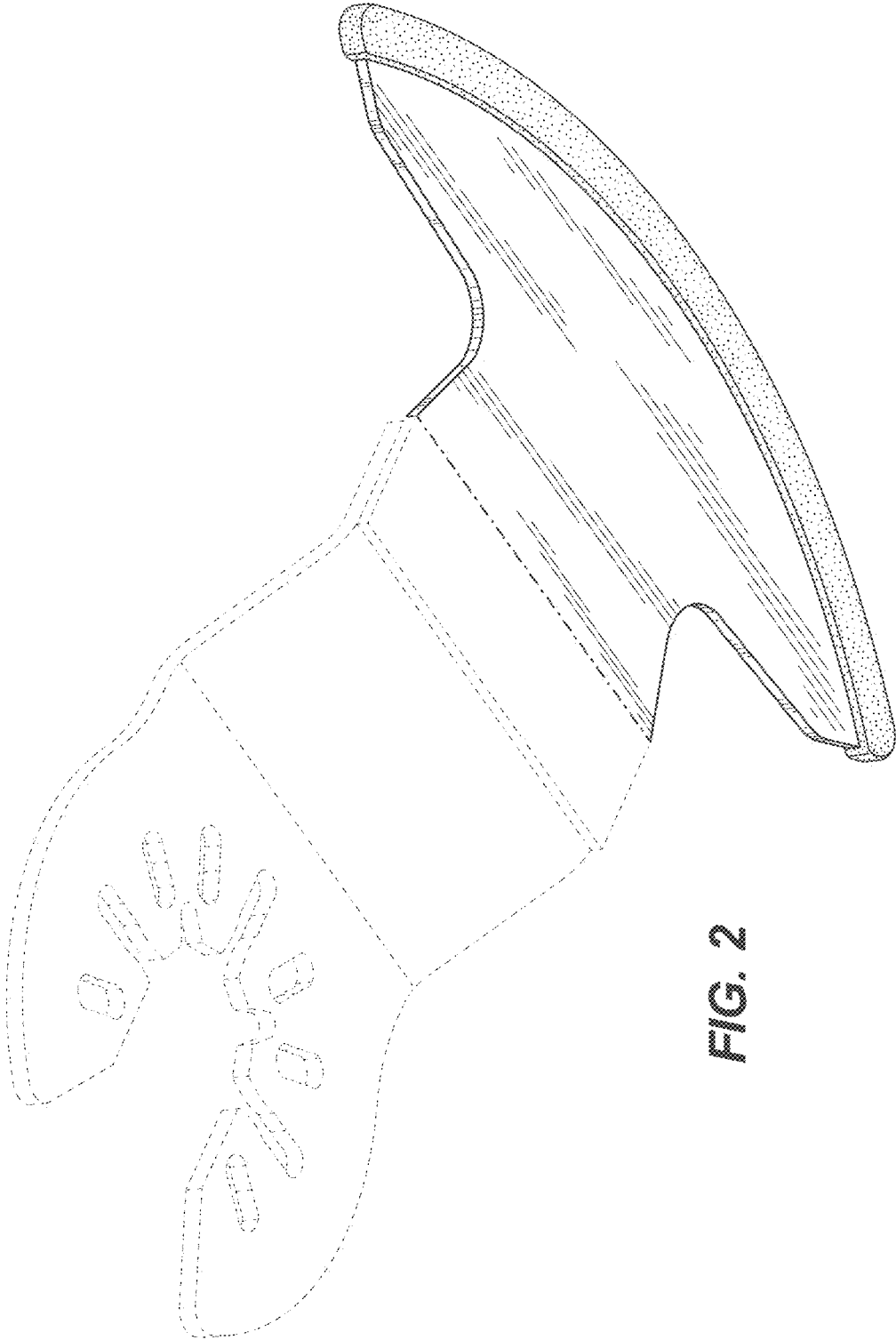


FIG. 2

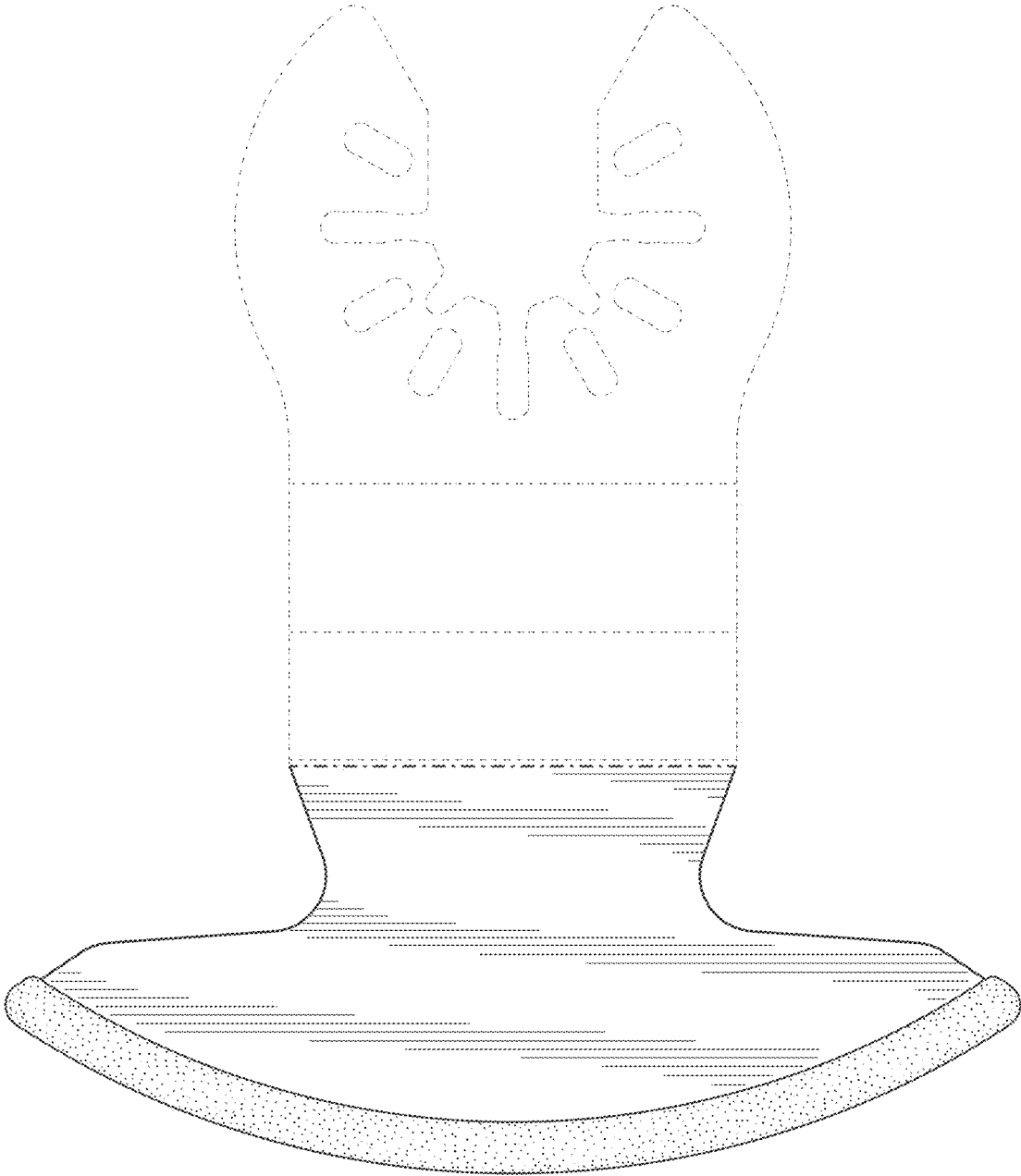


FIG. 3

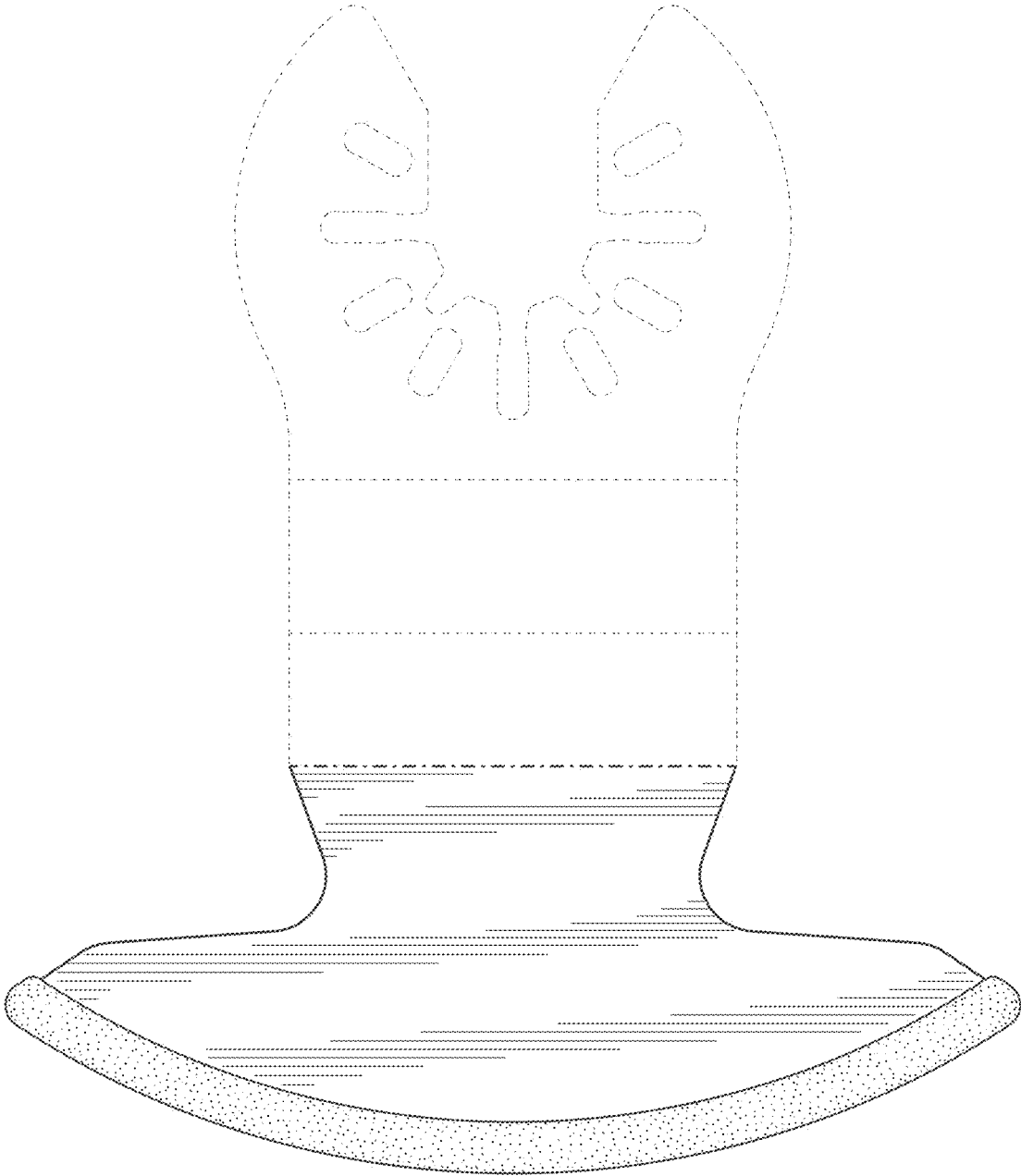


FIG. 4

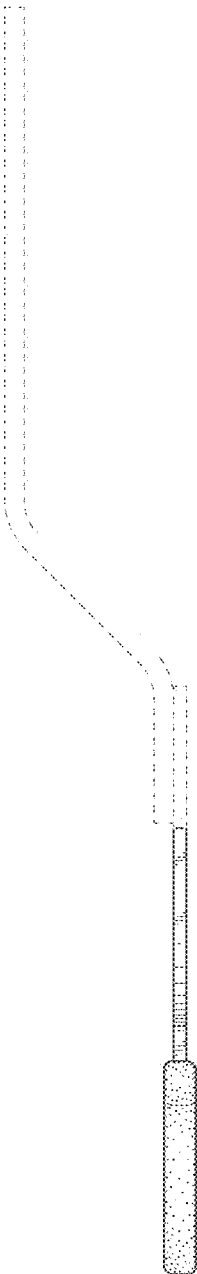


FIG. 5

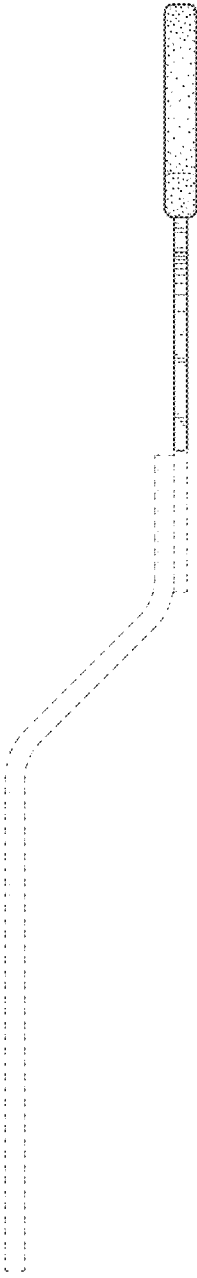


FIG. 6

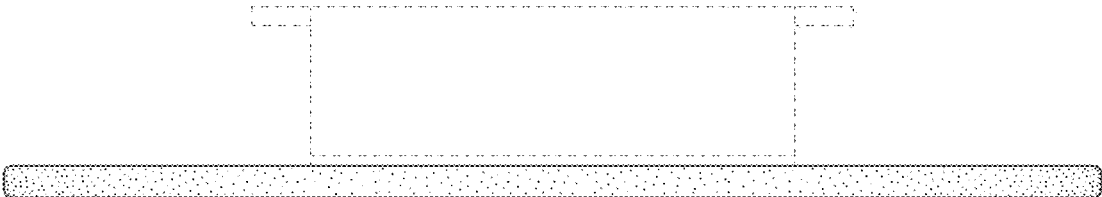


FIG. 7

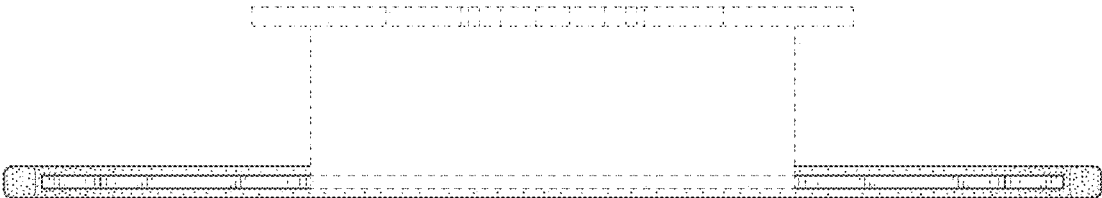


FIG. 8

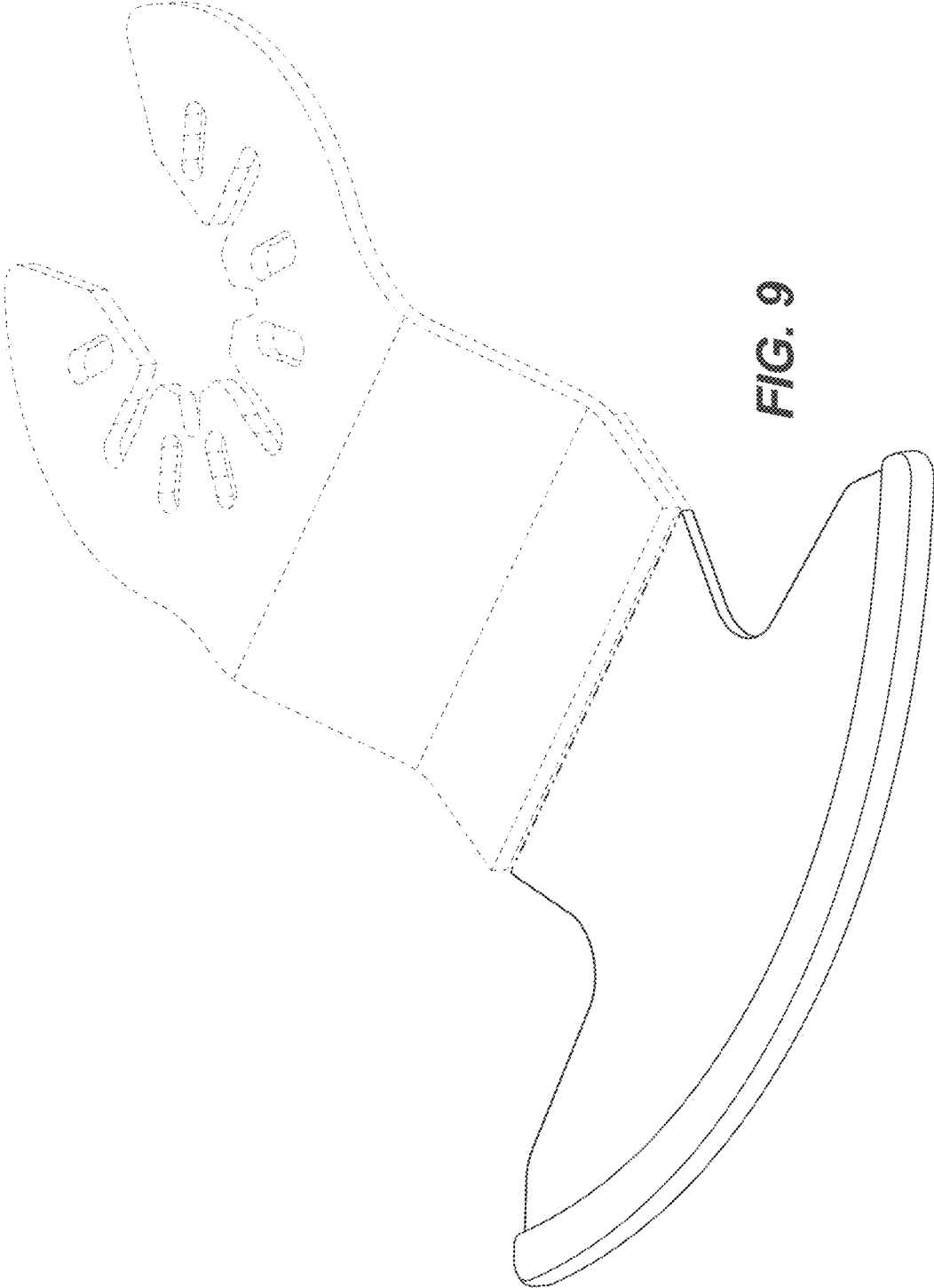


FIG. 9

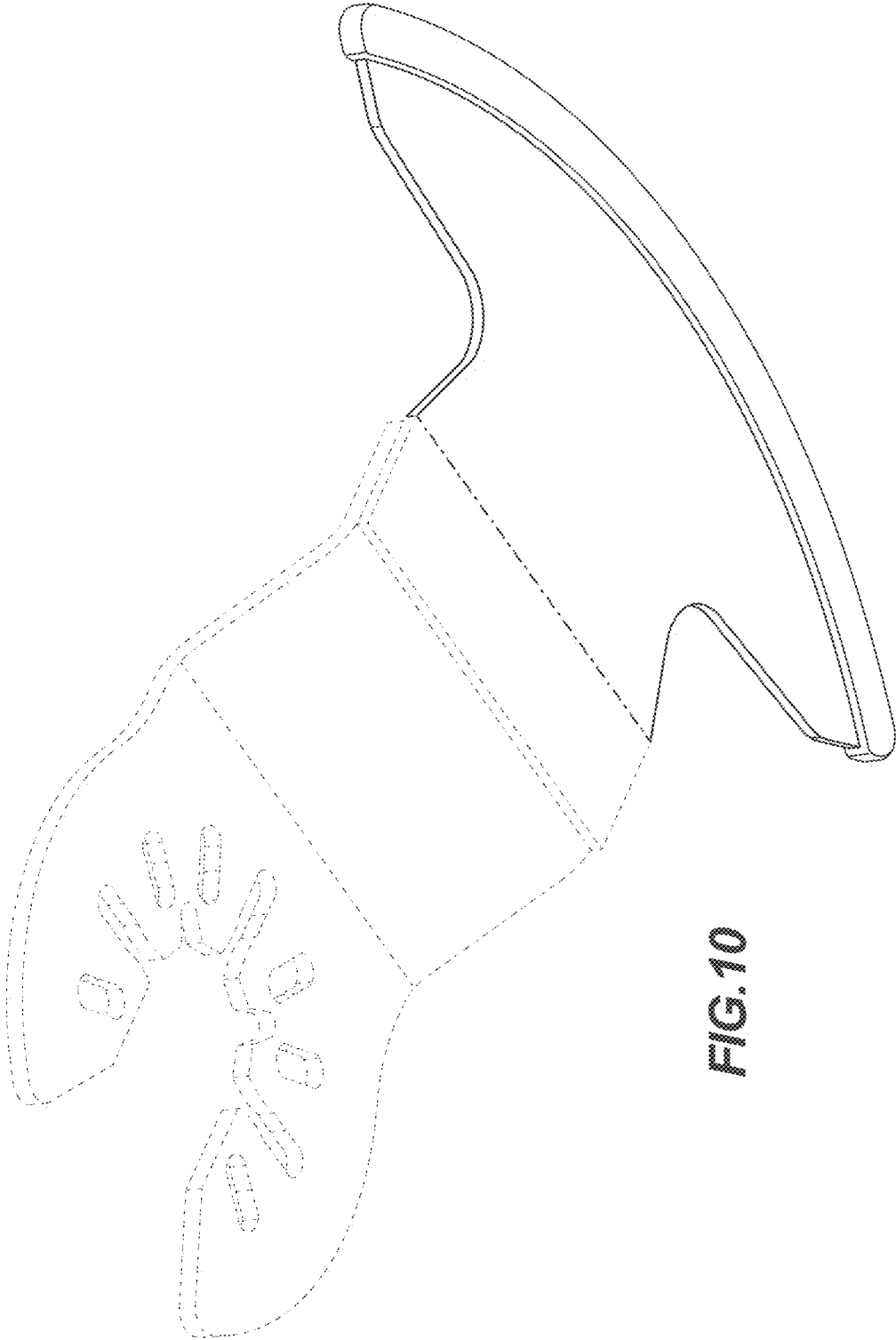


FIG.10

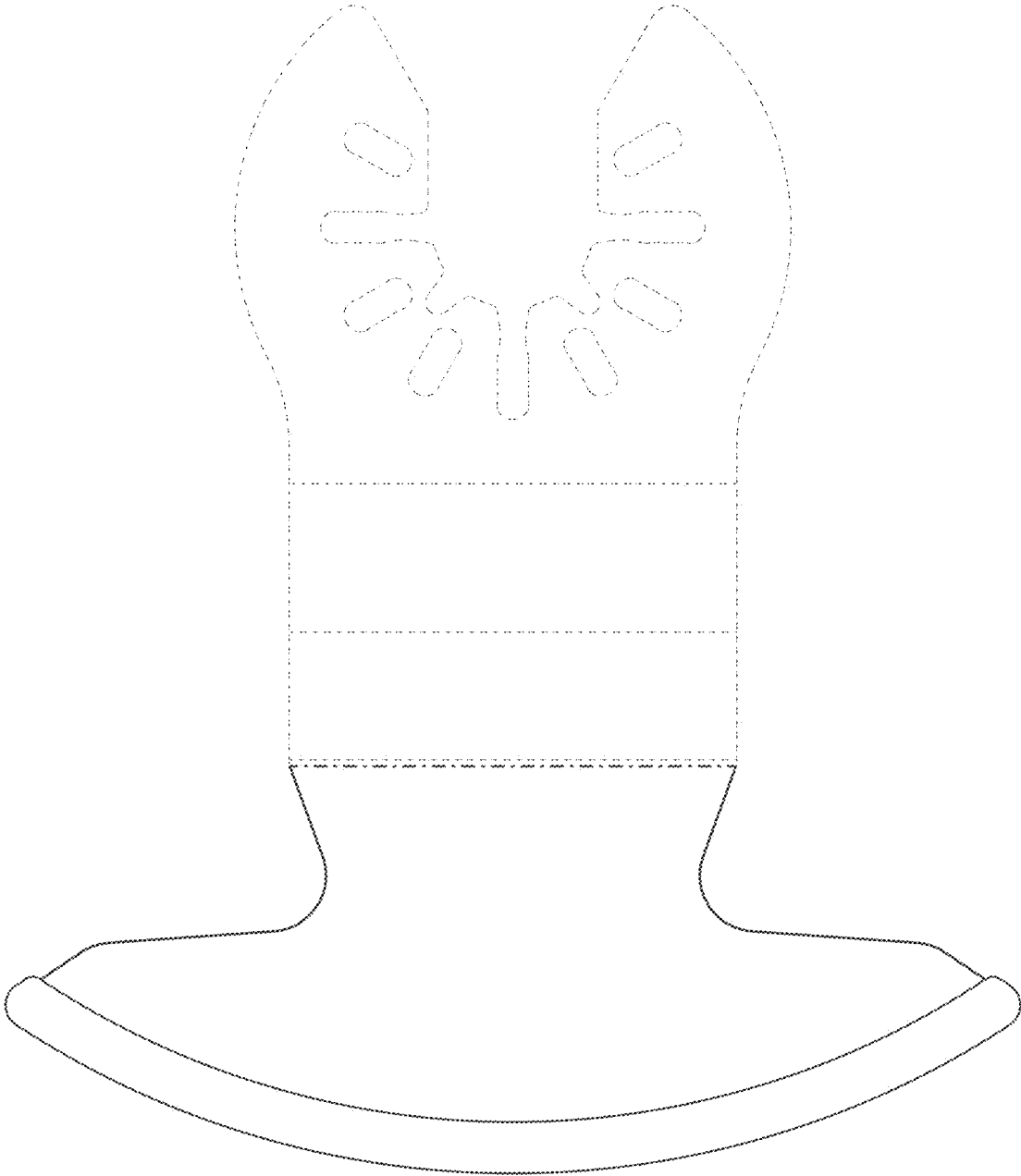


FIG. 11

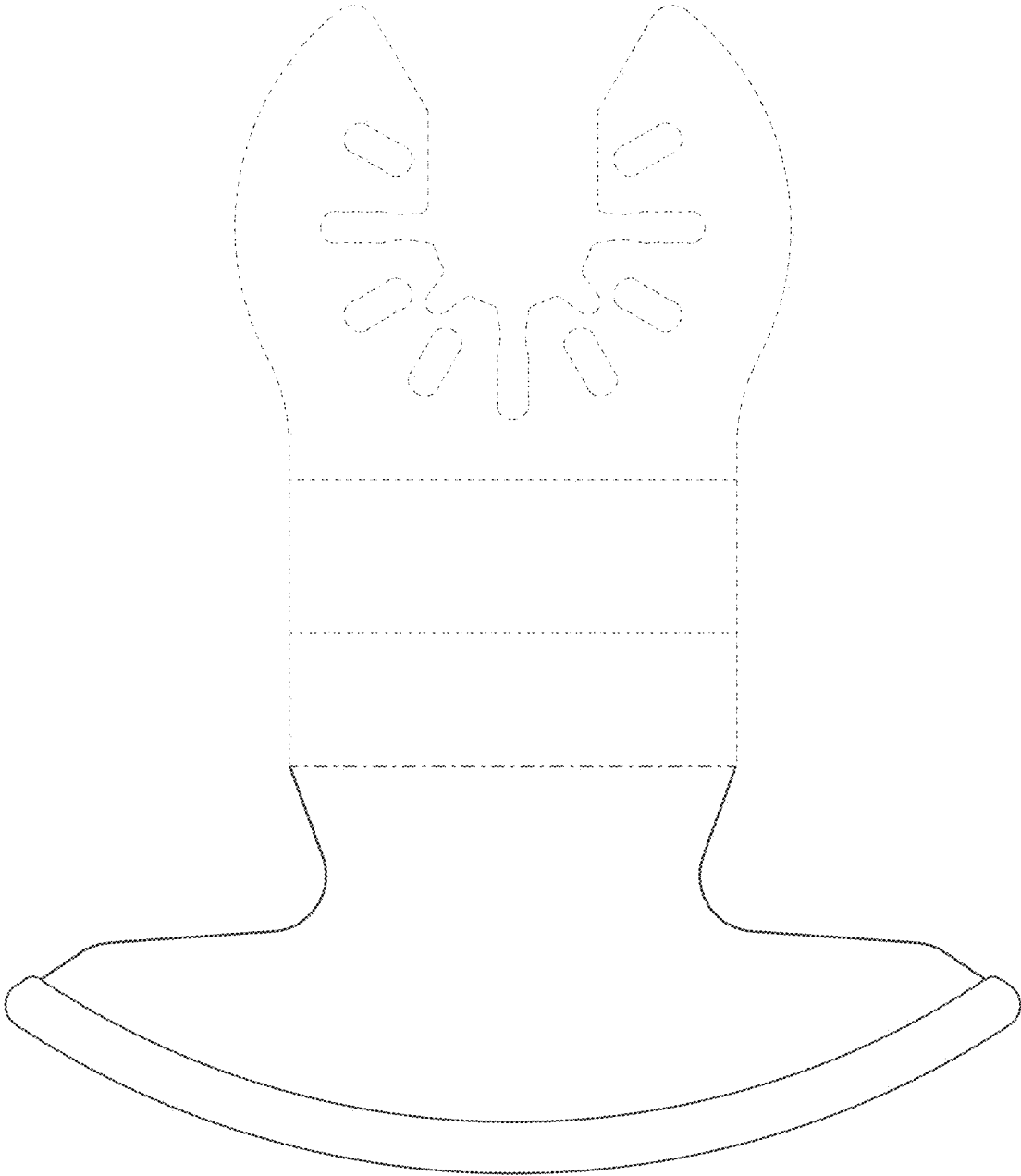


FIG. 12

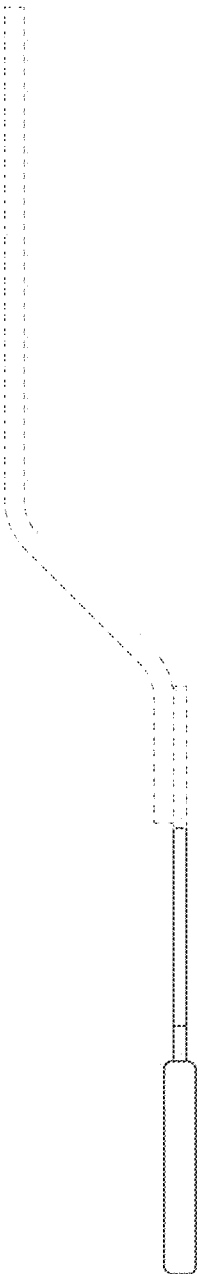


FIG. 13

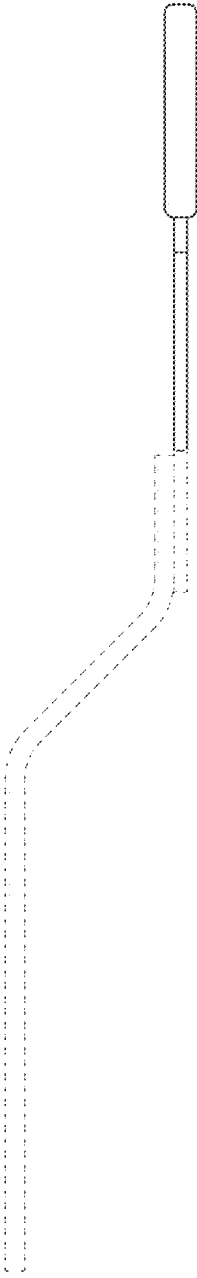


FIG. 14

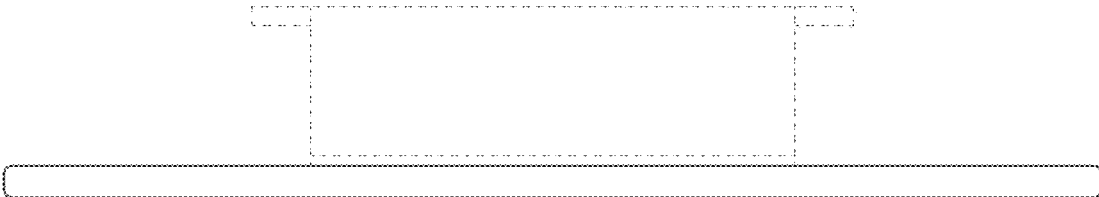


FIG. 15

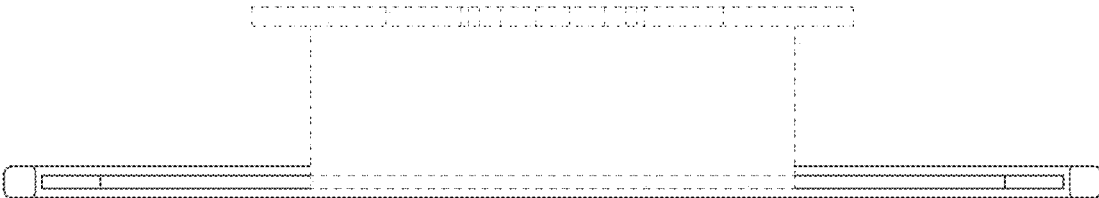


FIG. 16