



US00D968732S

(12) **United States Design Patent** (10) **Patent No.:** **US D968,732 S**  
**Goff** (45) **Date of Patent:** **\*\* Nov. 1, 2022**

(54) **FLOOR CLEANING IMPLEMENT**  
(71) Applicant: **RPS Corporation**, Racine, WI (US)  
(72) Inventor: **Sean K. Goff**, Breckenridge, CO (US)  
(73) Assignee: **RPS Corporation**, Racine, WI (US)  
(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/706,156**  
(22) Filed: **Sep. 18, 2019**  
(51) **LOC (13) Cl.** ..... **15-05**  
(52) **U.S. Cl.**  
USPC ..... **D32/25**  
CPC ..... **B08B 1/04** (2013.01)  
(58) **Field of Classification Search**  
USPC ..... D32/35, 39, 40, 44, 50, 52, 4, 15, 25;  
D8/20, 61, 63, 70; D15/124-126, 132,  
D15/138-140  
CPC ..... B08B 1/04; B08B 1/002; A46B 13/02;  
A46B 13/008; B63B 59/08; B63B  
2059/085; E04H 4/1618  
See application file for complete search history.

D408,601 S 4/1999 Winter  
D409,340 S 5/1999 Winter  
D424,765 S 5/2000 Lund  
D425,269 S 5/2000 Pihl  
D427,395 S 6/2000 Pihl  
6,134,740 A 10/2000 Torres et al.  
D441,927 S \* 5/2001 Creecy ..... D32/25  
6,457,202 B1 10/2002 Torres et al.  
D480,185 S 9/2003 Morgan et al.  
D480,186 S 9/2003 Morgan et al.  
D530,462 S 10/2006 Davis et al.  
D532,945 S 11/2006 Charmoille  
D537,217 S 2/2007 Charmoille  
D588,314 S 3/2009 Sajakorpi  
D631,626 S 1/2011 Raddick  
7,904,989 B1 3/2011 Chen  
(Continued)

*Primary Examiner* — Richard E Chilcot  
(74) *Attorney, Agent, or Firm* — Quarles & Brady LLP

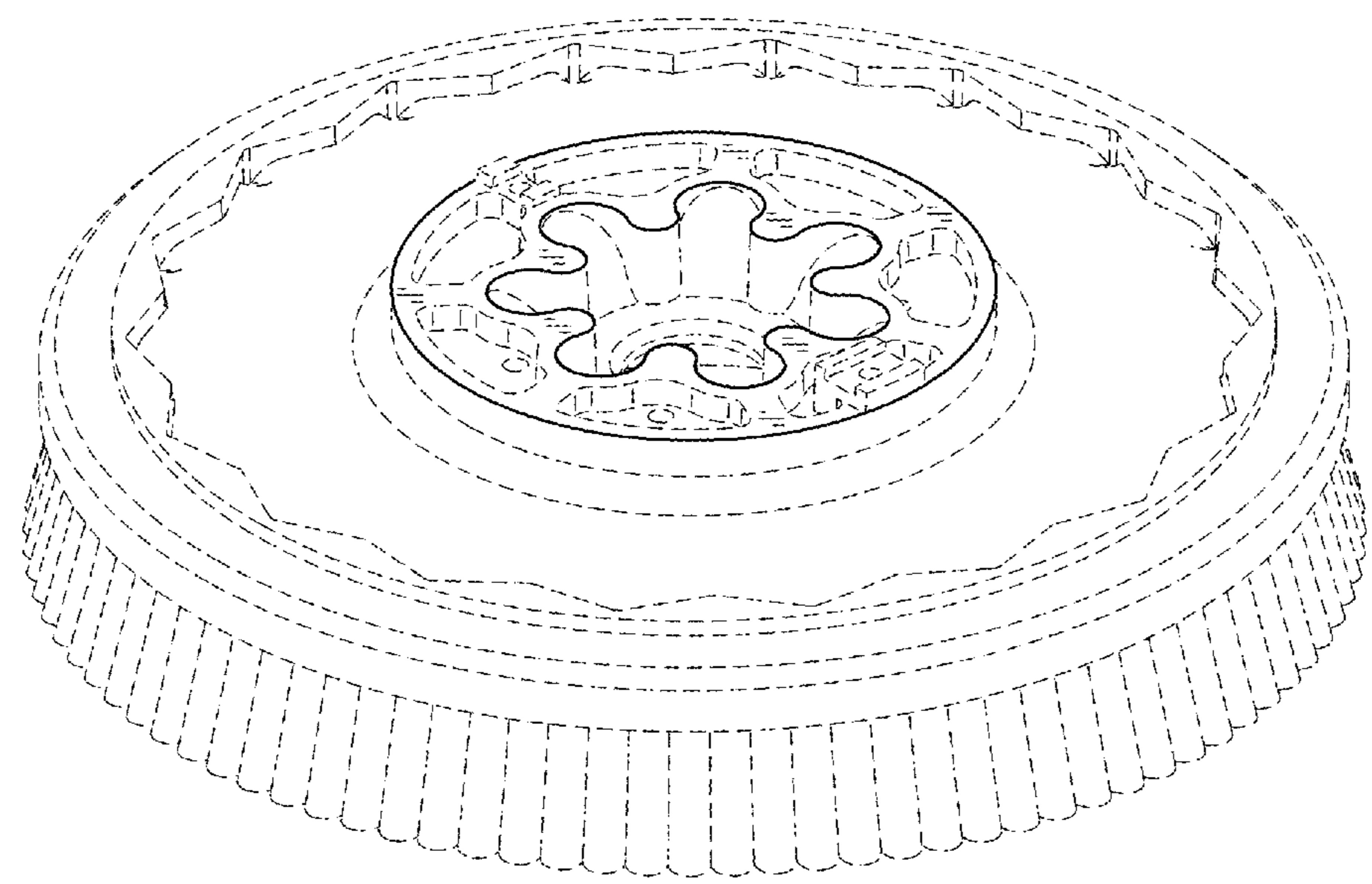
(57) **CLAIM**  
The ornamental design for a floor cleaning implement, as shown and described.

**DESCRIPTION**

FIG. 1 is a top, front, and left perspective view of a floor cleaning implement according to the design; FIG. 2 is a left elevation view thereof; FIG. 3 is a right elevation view thereof; FIG. 4 is a front elevation view thereof; FIG. 5 is a rear elevation view thereof; FIG. 6 is a top plan view thereof; FIG. 7 is a bottom plan view thereof; FIG. 8 is a cross-sectional side view thereof taken through line 8-8 of FIG. 6; and, FIG. 9 is a cross-sectional side view thereof taken through line 9-9 of FIG. 6.  
The broken lines shown in the drawings are for the purpose of illustrating unclaimed portions of the floor cleaning implement and form no part of the claimed design.

**1 Claim, 6 Drawing Sheets**

(56) **References Cited**  
U.S. PATENT DOCUMENTS  
4,322,920 A 4/1982 Wells  
4,866,804 A 9/1989 Masbruch  
D307,231 S 4/1990 Ciaccio  
5,052,419 A 10/1991 Olsen  
5,058,229 A 10/1991 Plazanet  
5,284,039 A 2/1994 Torgerson  
5,421,053 A \* 6/1995 Chodak ..... A47L 11/4069  
15/49.1  
D369,447 S 4/1996 Mann  
5,579,554 A \* 12/1996 Plazanet ..... A47L 11/164  
451/353  
D381,139 S 7/1997 Johnson  
D391,697 S 3/1998 Knowlton et al.  
D394,530 S 5/1998 Roeker



(56)

References Cited

U.S. PATENT DOCUMENTS

8,132,287 B2 3/2012 Ting  
 D684,739 S 6/2013 Arnold  
 D694,480 S 11/2013 Thomas  
 D734,108 S 7/2015 Madden  
 9,265,397 B2\* 2/2016 Larson ..... A47L 11/162  
 D759,914 S\* 6/2016 Goff ..... D32/25  
 D765,928 S\* 9/2016 Goff ..... D32/25  
 9,695,606 B1\* 7/2017 Allen, Jr. .... E04G 23/006  
 D817,569 S\* 5/2018 Baker ..... A47L 11/00  
 D32/25  
 9,980,556 B2 5/2018 Goff  
 D842,567 S\* 3/2019 Koennecke ..... D32/40  
 D842,568 S\* 3/2019 Koennecke ..... D32/40  
 D842,569 S\* 3/2019 Koennecke ..... D32/40  
 D843,073 S\* 3/2019 Lund ..... D32/40  
 D843,074 S\* 3/2019 Koennecke ..... D32/40  
 D843,672 S\* 3/2019 Hagen ..... D32/40  
 D843,673 S\* 3/2019 Raithel ..... D32/40  
 D844,272 S\* 3/2019 Anderson ..... D32/40  
 D854,768 S\* 7/2019 Nie ..... D32/40  
 D859,767 S\* 9/2019 Wiand ..... D32/40

D873,517 S\* 1/2020 Zu ..... D32/40  
 D917,118 S\* 4/2021 Ye ..... D32/25  
 D938,118 S\* 12/2021 Baker ..... A47L 11/00  
 D32/25  
 D946,845 S\* 3/2022 Cook ..... D32/40  
 2002/0104177 A1 8/2002 Wong et al.  
 2003/0126729 A1\* 7/2003 Pierce ..... B24B 45/006  
 29/90.01  
 2005/0102784 A1 5/2005 Harris et al.  
 2006/0021174 A1 2/2006 Lavender  
 2006/0112508 A1 6/2006 Kuivikko et al.  
 2008/0216259 A1 9/2008 Walz et al.  
 2008/0313833 A1 12/2008 Shizawa  
 2010/0125966 A1\* 5/2010 Stein ..... A47L 11/4036  
 15/230  
 2010/0319147 A1 12/2010 Geurkink  
 2011/0009037 A1 1/2011 Suzuki  
 2013/0232704 A1 9/2013 Zheng et al.  
 2015/0216386 A1\* 8/2015 Baker ..... A47L 11/283  
 15/49.1  
 2017/0073050 A1\* 3/2017 Smith ..... B08B 1/04  
 2018/0228332 A1\* 8/2018 Goff ..... A47L 11/283

\* cited by examiner

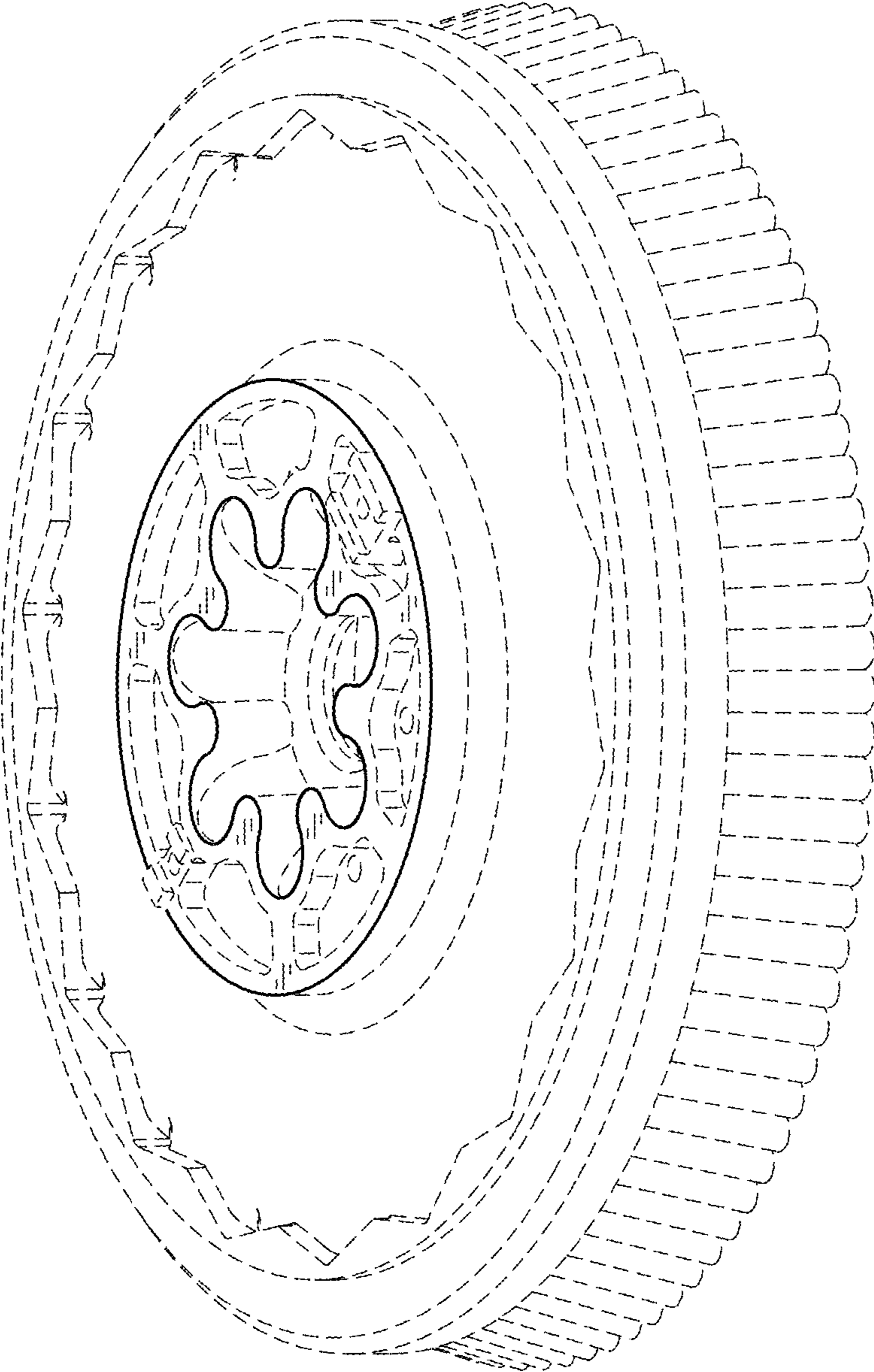


FIG. 1

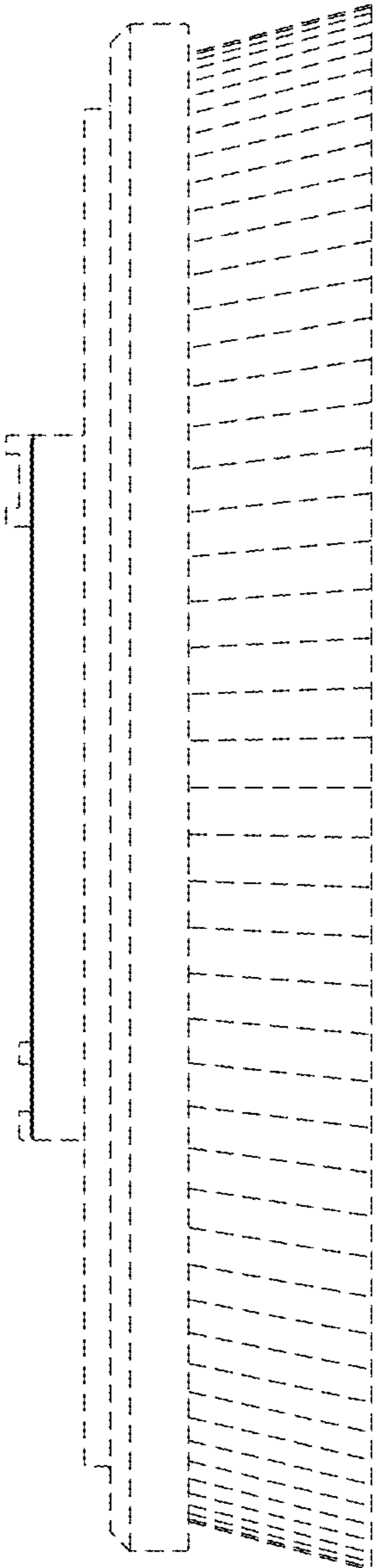


FIG. 2

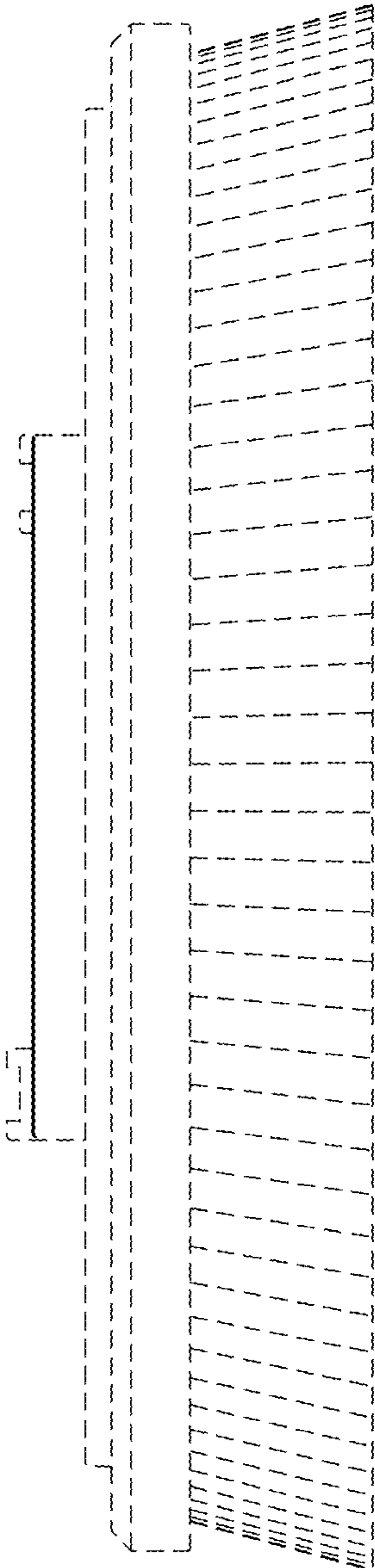


FIG. 3

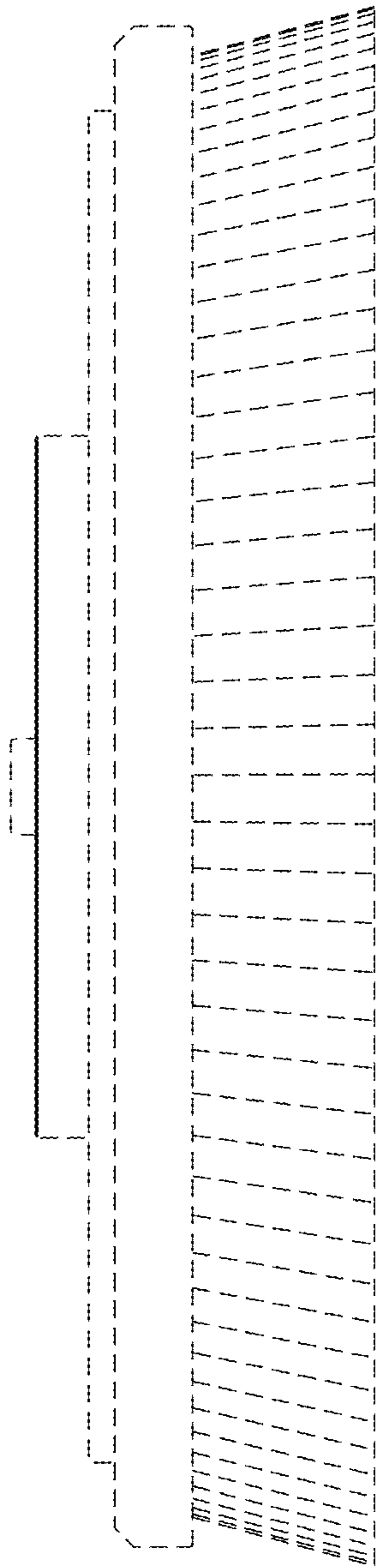


FIG. 4

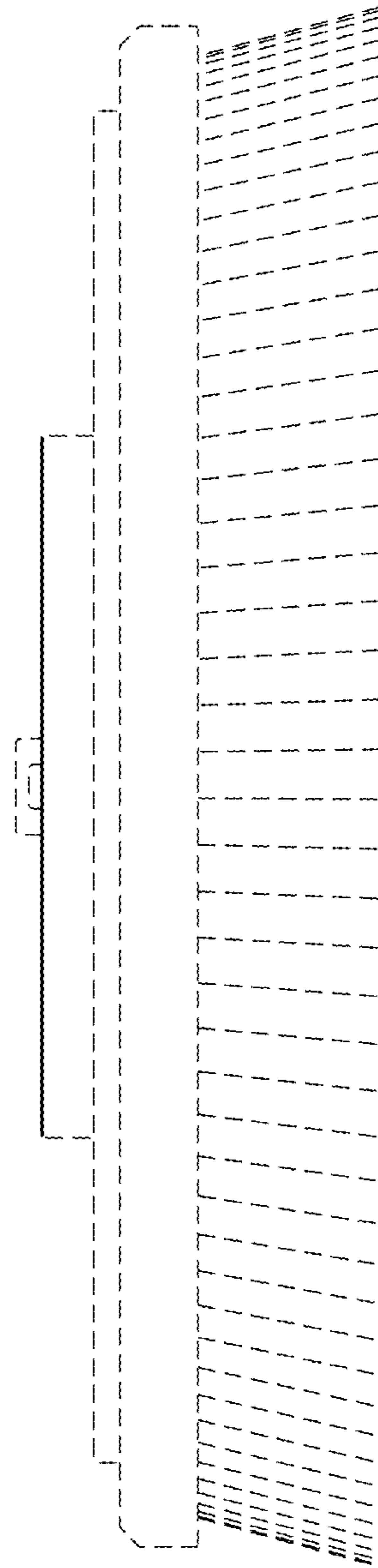


FIG. 5

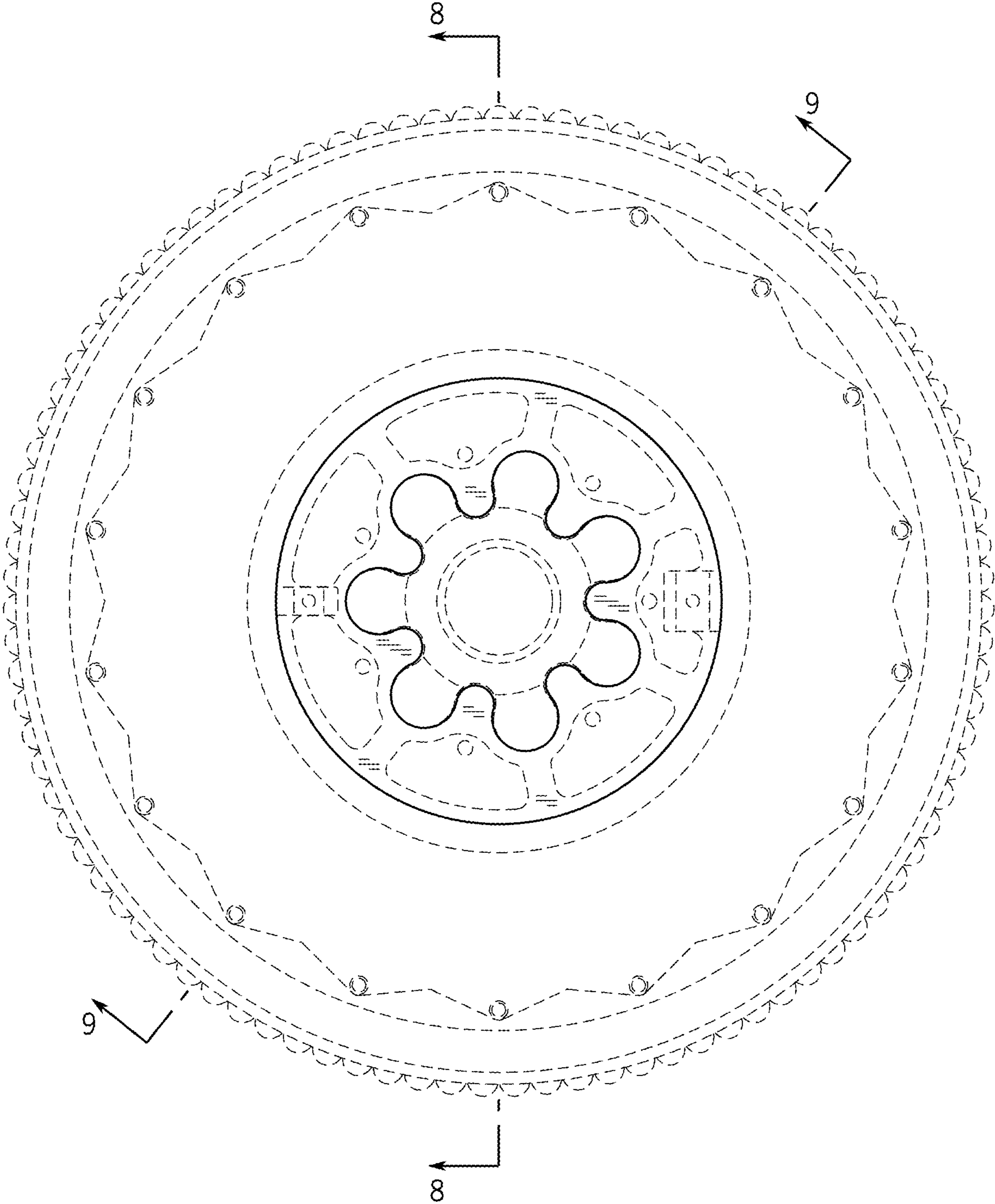


FIG. 6

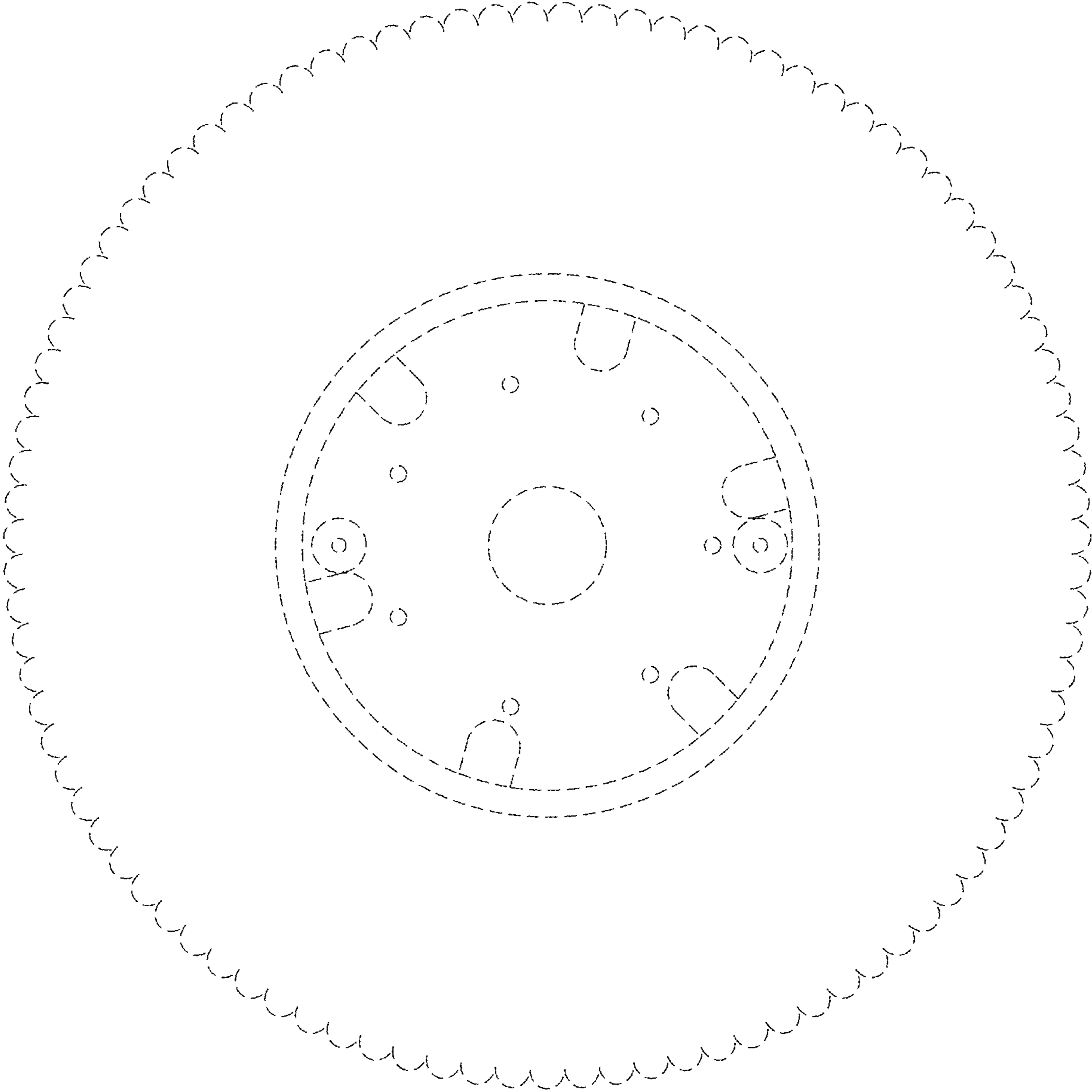


FIG. 7

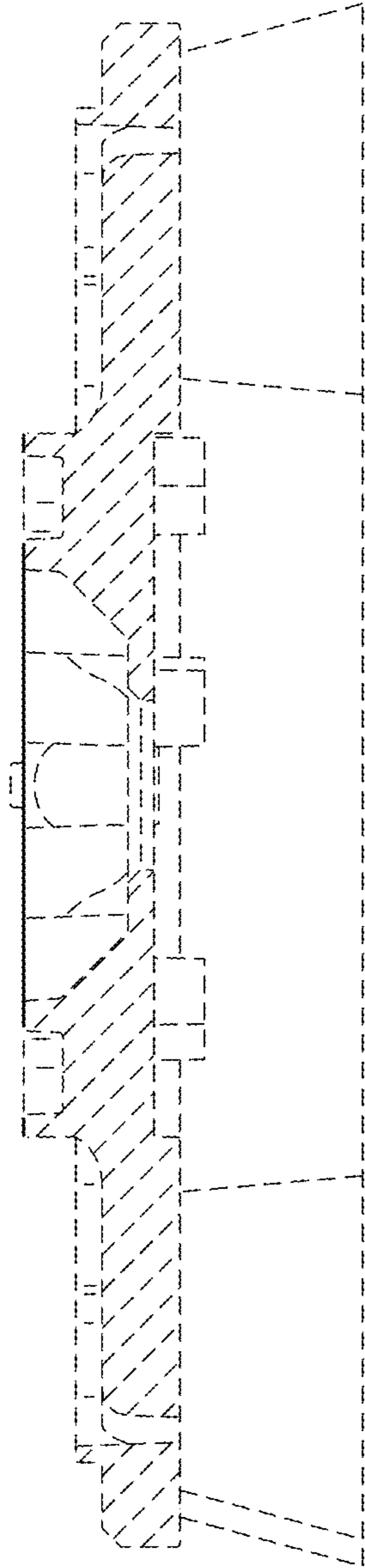


FIG. 8

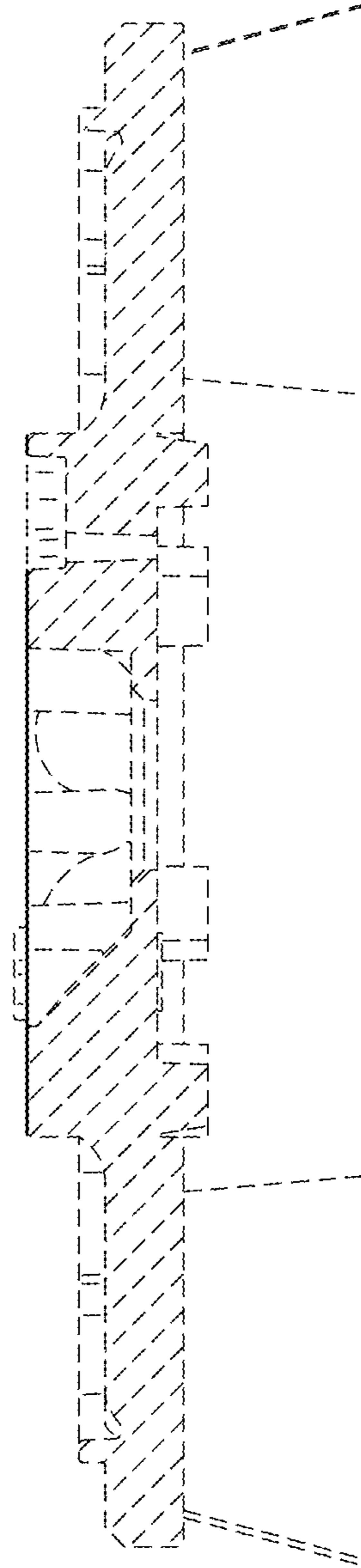


FIG. 9