

US00D771235S

(12) **United States Design Patent** (10) **Patent No.:** **US D771,235 S**
Hoff et al. (45) **Date of Patent:** **** Nov. 8, 2016**

(54) **FAN DRUM ROTOR**

(71) Applicants: **Markus Hoff**, Kunzelsau (DE); **Katrin Bohl**, Kunzelsau (DE); **Reinhard Strohmeier**, Rot am See (DE)

(72) Inventors: **Markus Hoff**, Kunzelsau (DE); **Katrin Bohl**, Kunzelsau (DE); **Reinhard Strohmeier**, Rot am See (DE)

(73) Assignee: **EBM-PAPST MULFINGEN GMBH & CO. KG** (DE)

(**) Term: **14 Years**

(21) Appl. No.: **29/504,808**

(22) Filed: **Oct. 9, 2014**

(30) **Foreign Application Priority Data**

Apr. 11, 2014 (DE) 40 2014 100 351

(51) **LOC (10) Cl.** **23-04**

(52) **U.S. Cl.**
USPC **D23/411**

(58) **Field of Classification Search**
USPC D23/370, 375, 376, 377, 379, 411, 413,
D23/414; D26/59
CPC F04D 25/088; F04D 29/22; F04D 17/08;
F21V 33/0096
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D227,012 S * 5/1973 Ranz D23/414
D438,950 S * 3/2001 Frampton D23/377
D483,107 S * 12/2003 Horng D23/379
D483,467 S * 12/2003 Horng D23/379
D505,720 S * 5/2005 Hsieh D23/411
D533,935 S * 12/2006 Chen D23/411
D561,323 S * 2/2008 Shirahama D23/370
D561,324 S * 2/2008 Shirahama D23/370
D663,411 S * 7/2012 Naya D23/411

D667,103 S * 9/2012 Shiraichi D23/413
D667,104 S * 9/2012 Shiraichi D23/413
D671,633 S * 11/2012 Glasbrenner D23/385
D701,597 S * 3/2014 DeFilippis D23/370
2003/0024693 A1 * 2/2003 Petty H01L 23/3735
165/121
2008/0075598 A1 * 3/2008 Chen F04D 29/283
416/179
2009/0148297 A1 * 6/2009 Suciu F01D 5/02
416/219 R
2013/0004329 A1 * 1/2013 Shiraichi F04D 29/282
416/243
2014/0356171 A1 * 12/2014 Franzolin F04D 29/283
416/178
2015/0118054 A1 * 4/2015 Zerelles F04D 29/282
416/178
2015/0292331 A1 * 10/2015 Hoff F04D 29/282
416/144

* cited by examiner

Primary Examiner — Susan Bennett Hattan

Assistant Examiner — Janice Hallmark

(74) *Attorney, Agent, or Firm* — Tarolli, Sundheim,
Covell & Tummino LLP

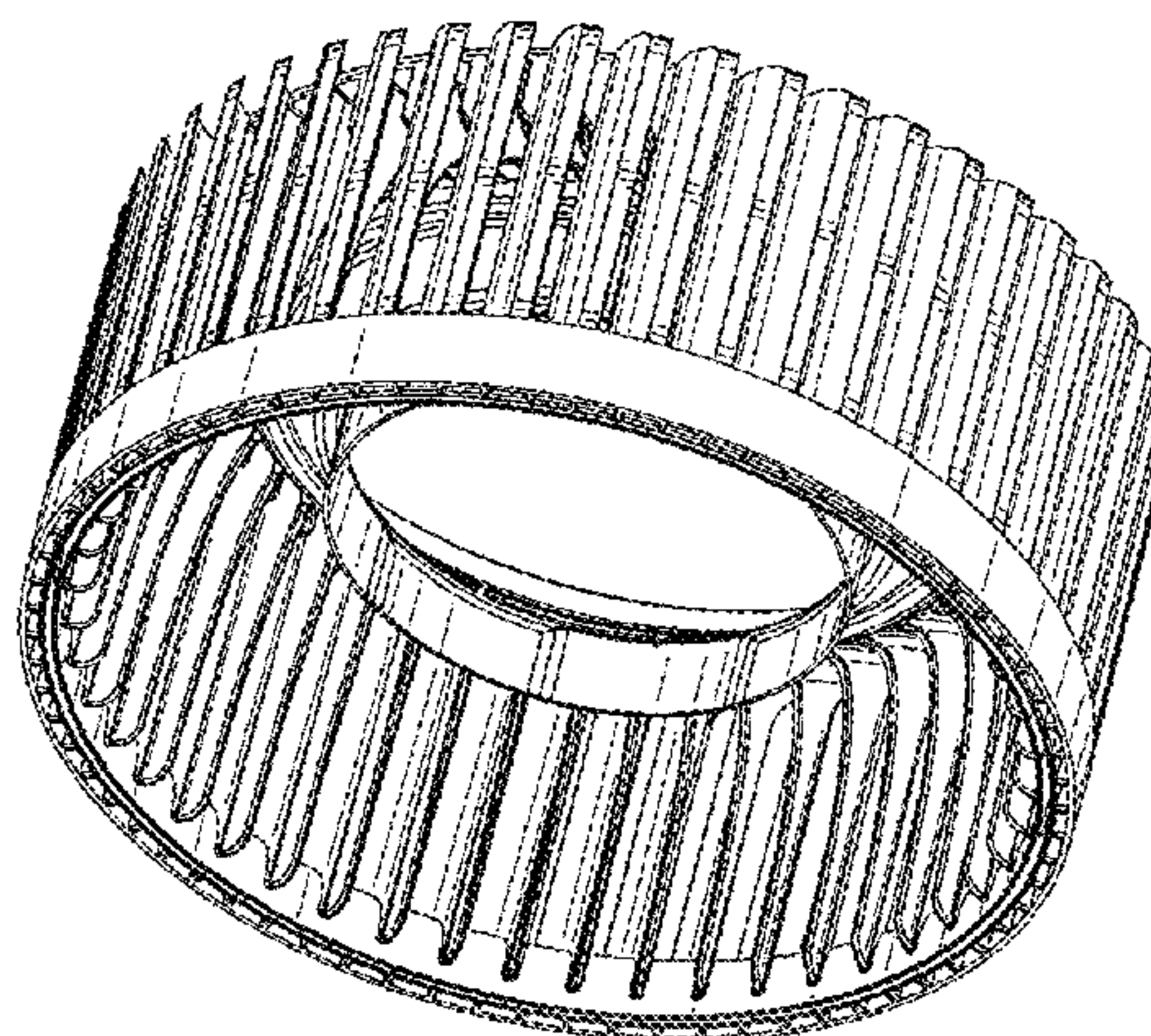
(57) **CLAIM**

We claim the ornamental design for a fan drum rotor, as shown and described.

DESCRIPTION

FIG. 1 is a first perspective view of a fan drum rotor comprising a new, original and ornamental design;
FIG. 2 is a second perspective view of the fan drum rotor shown in FIG. 1;
FIG. 3 is a reverse perspective view of the fan drum rotor shown in FIG. 1;
FIG. 4 is a side elevational view of the fan drum rotor shown in FIG. 1;
FIG. 5 is a front elevational view of the fan drum rotor shown in FIG. 1; and,
FIG. 6 is a rear plan view of the fan drum rotor shown in FIG. 1.

1 Claim, 3 Drawing Sheets



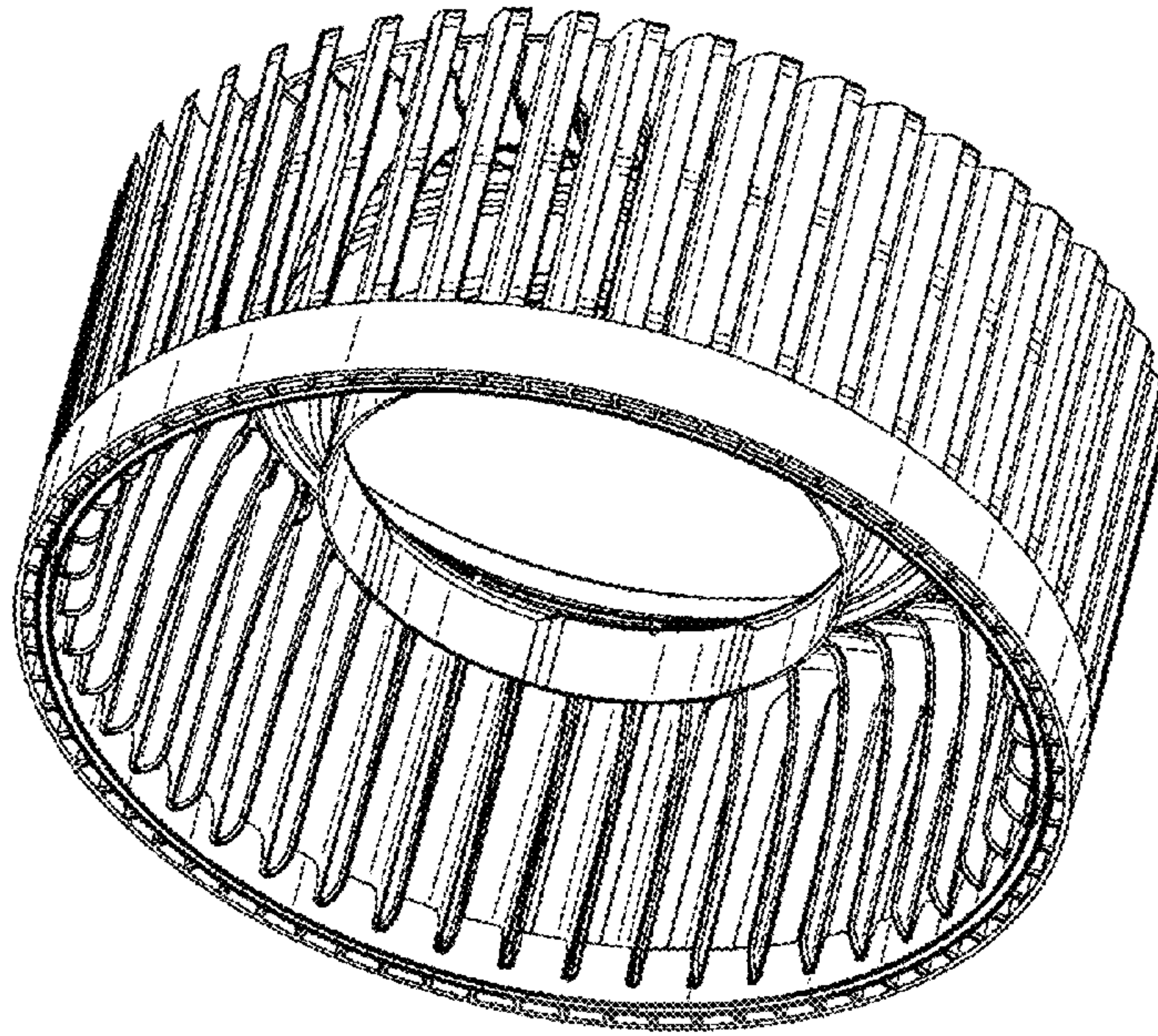


FIG. 1

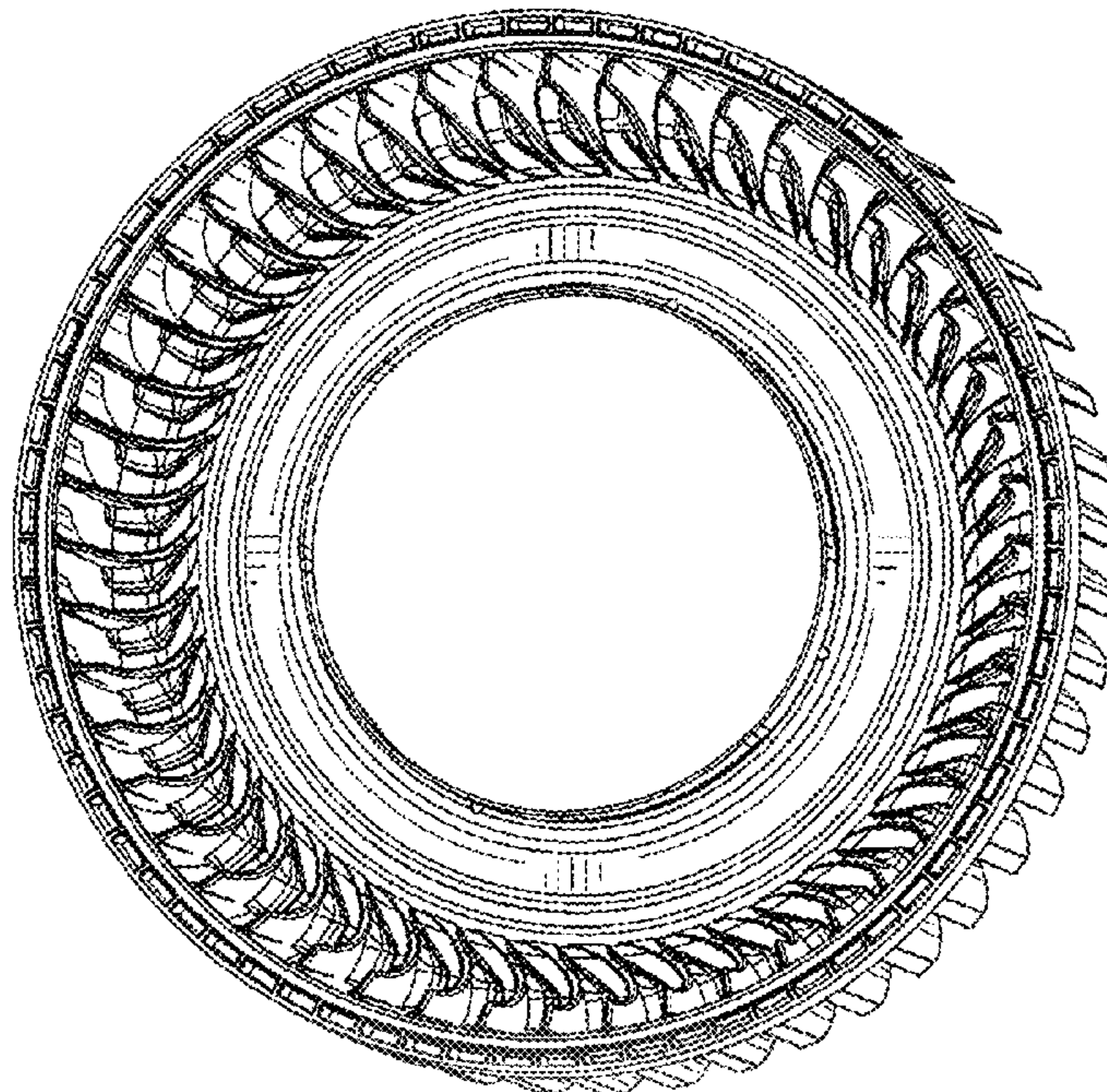


FIG. 2

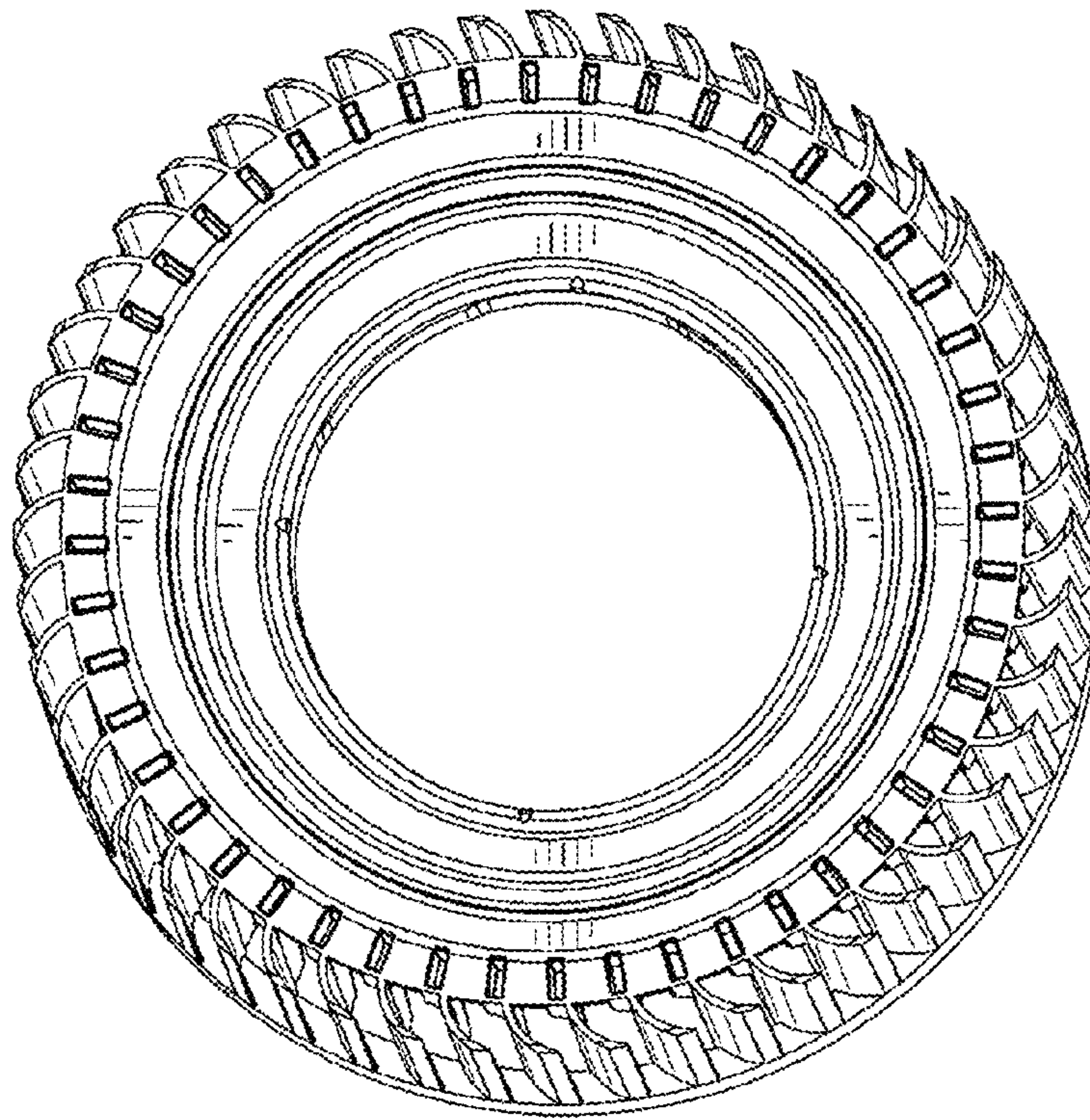


FIG. 3

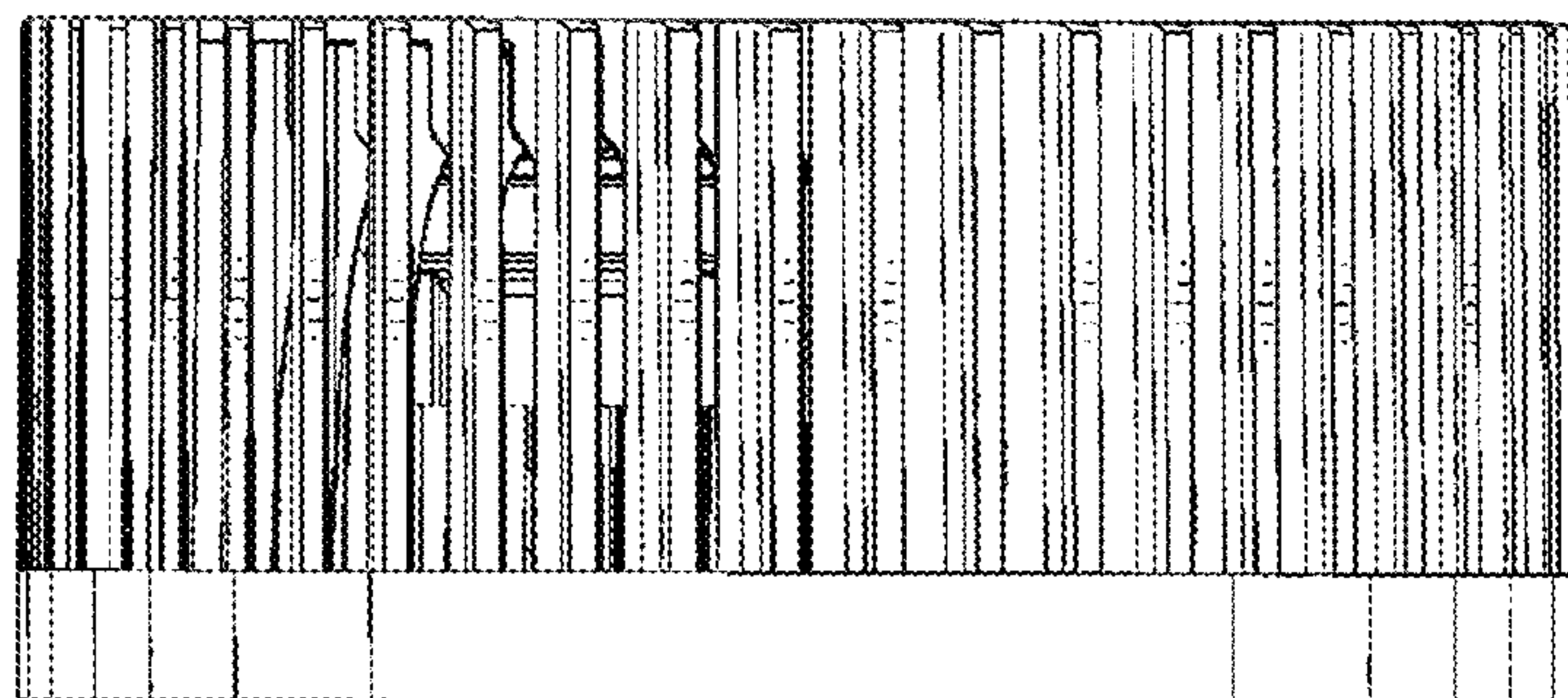


FIG. 4

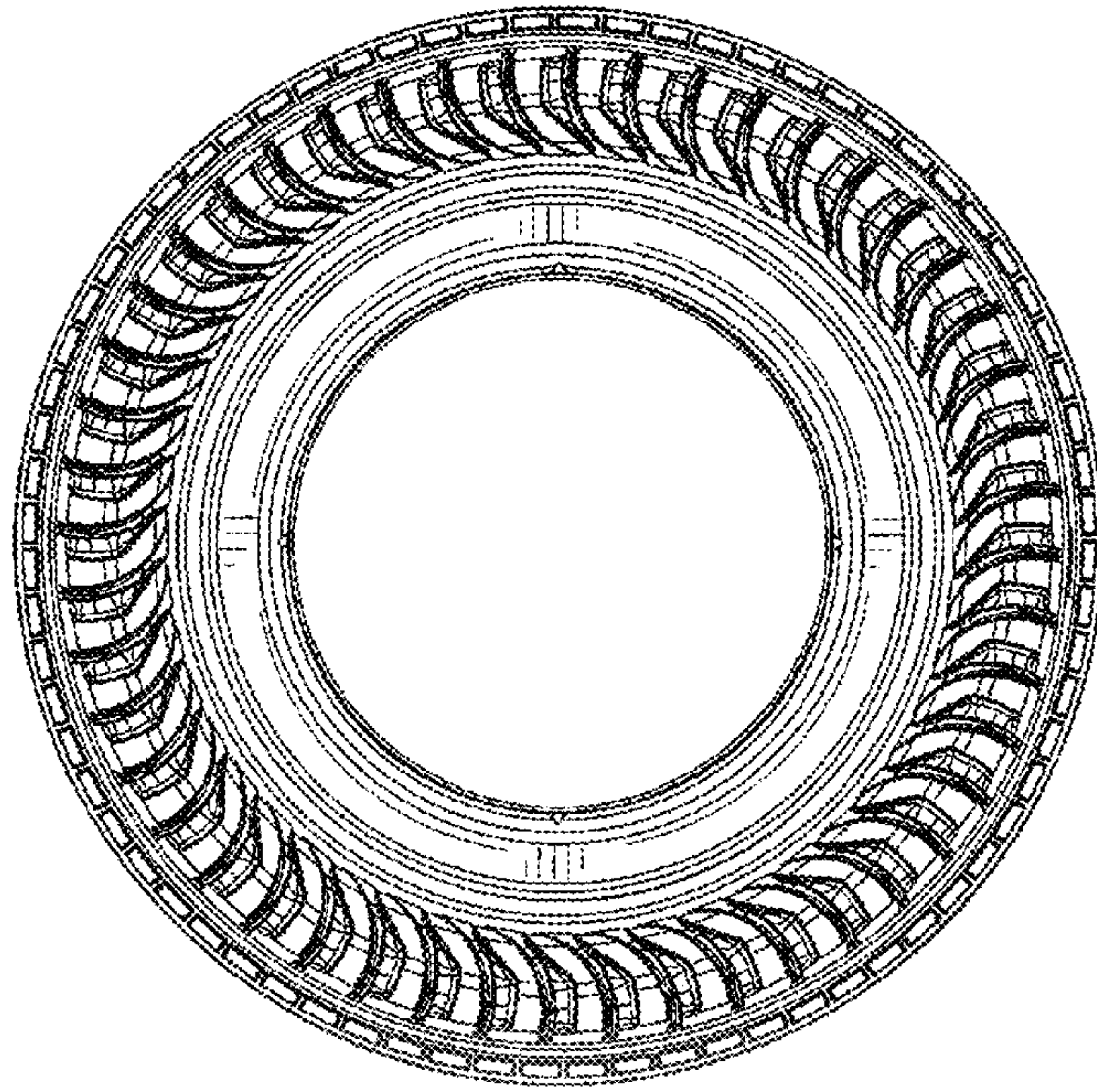


FIG. 5

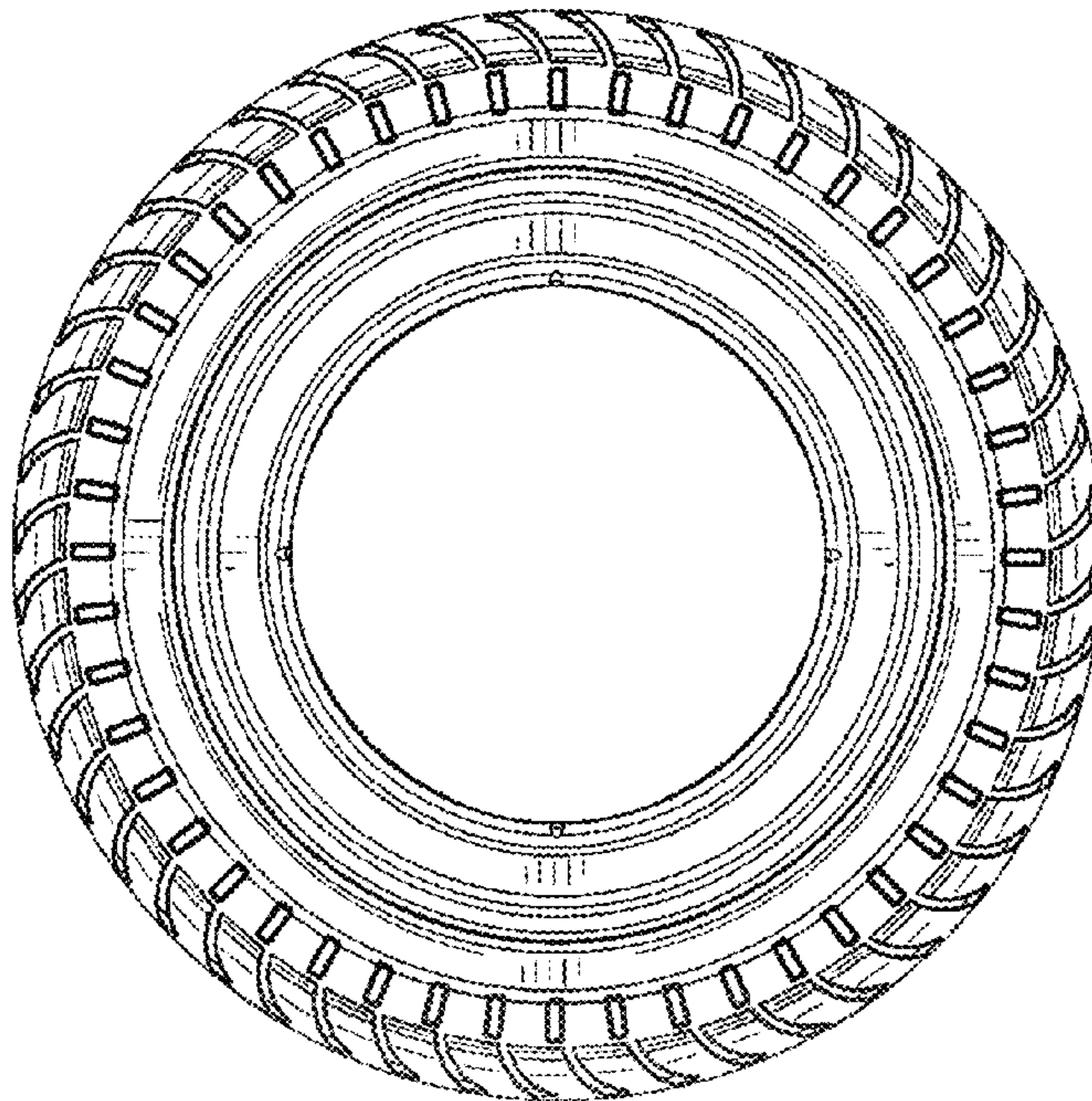


FIG. 6