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

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(54) **HEATER BLOCK**

(71) Applicant: **ASM IP Holding B.V.**, Almere (NL)

(72) Inventors: **Takayuki Yamagishi**, Kashiwazaki (JP);
Naoto Tsuji, Tokyo (JP); **Kazuo Sato**,
Kawasaki (JP)

(73) Assignee: **ASM IP Holding B.V.**, Almere (NL)

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

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Related U.S. Application Data

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filed on Feb. 4, 2014, and a continuation-in-part of
application No. 29/481,315, filed on Feb. 4, 2014.

(51) **LOC (10) Cl.** **15-99**

(52) **U.S. Cl.**
USPC **D15/199**

(58) **Field of Classification Search**

USPC D23/259, 260, 261, 262, 263, 264, 265,
D23/266, 267, 268, 269, 275, 283, 304;
4/286-292, 596, 597, 598, 609, 612,
4/663; 239/548, 555, 600; 210/459, 460;
34/61, 66, 391, 395, 428; 219/444.1;
392/308, 309, 411; 118/725; 438/21,
438/617; D15/199, 144.1

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D327,534 S * 6/1992 Manville et al. D23/261
6,207,932 B1 * 3/2001 Yoo 219/444.1
6,370,796 B1 * 4/2002 Zucker 34/428
D461,233 S * 8/2002 Whalen D23/261
D486,891 S * 2/2004 Cronce, Jr. D23/260
6,688,784 B1 * 2/2004 Templeton 396/611
D602,575 S * 10/2009 Breda D23/261

D629,874 S * 12/2010 Hermans D23/260
D643,055 S * 8/2011 Takahashi D15/199
D653,734 S * 2/2012 Sisk D23/269
D665,055 S * 8/2012 Yanagisawa et al. D23/261
D715,410 S * 10/2014 Lohmann D23/259
2001/0019777 A1 * 9/2001 Tanaka et al. 428/472.2
2002/0014204 A1 * 2/2002 Pyo 118/715
2005/0258280 A1 * 11/2005 Goto et al. 239/548
2007/0125762 A1 * 6/2007 Cui et al. 219/444.1
2008/0092815 A1 * 4/2008 Chen et al. 118/715
2009/0283217 A1 * 11/2009 Lubomirsky et al. 156/345.34
2011/0107512 A1 * 5/2011 Gilbert 4/596
2012/0207456 A1 * 8/2012 Kim et al. 392/411
2013/0126515 A1 * 5/2013 Shero et al. 219/444.1

(Continued)

Primary Examiner — Eric Goodman

Assistant Examiner — Steven Czyz

(74) *Attorney, Agent, or Firm* — Sand & Sebolt

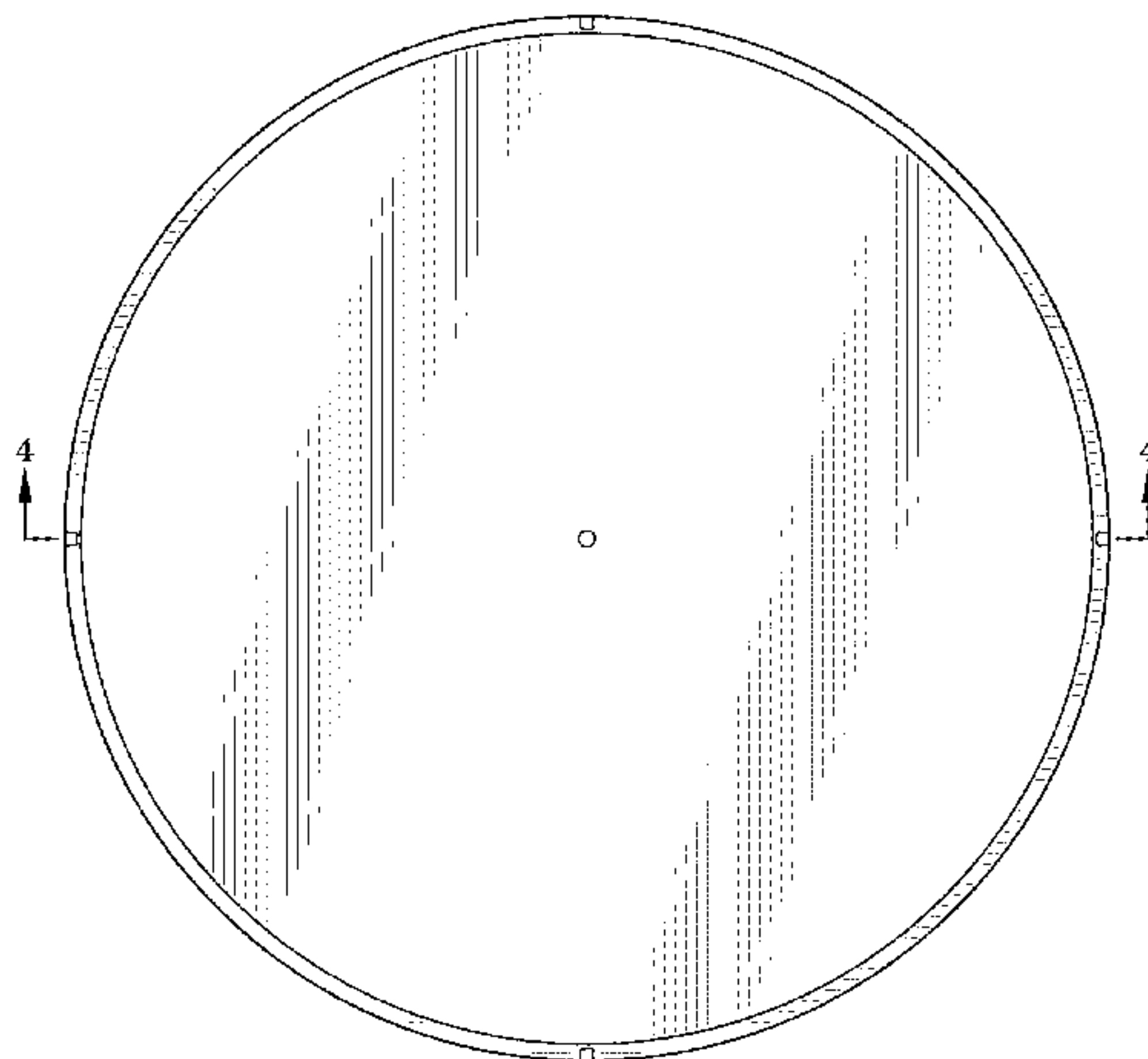
(57) **CLAIM**

The ornamental design for a heater block, as shown and
described.

DESCRIPTION

FIG. 1 is a top view of a first embodiment of a heater block in
accordance with our design;
FIG. 2 is a front view thereof;
FIG. 3 is a bottom view thereof;
FIG. 4 is a cross-section thereof taken along line 4-4 of FIG.
1;
FIG. 5 is a top view of a second embodiment of a heater block
in accordance with our design;
FIG. 6 is a front view thereof;
FIG. 7 is a right side view thereof;
FIG. 8 is a left side view thereof;
FIG. 9 is a back view thereof;
FIG. 10 is a bottom view thereof; and,
FIG. 11 is cross-section thereof taken along line 11-11 of FIG.
5.
The broken lines illustrate portions of the heater block which
form no part of the claimed design.

1 Claim, 11 Drawing Sheets



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(56)

References Cited

U.S. PATENT DOCUMENTS

2014/0014642 A1 *	1/2014	Elliot et al.	219/444.1
2014/0182053 A1 *	7/2014	Huang	4/286
2014/0283747 A1 *	9/2014	Kasai et al.	118/723 R
2013/0134148 A1 *	5/2013	Tachikawa et al.	219/444.1

* cited by examiner

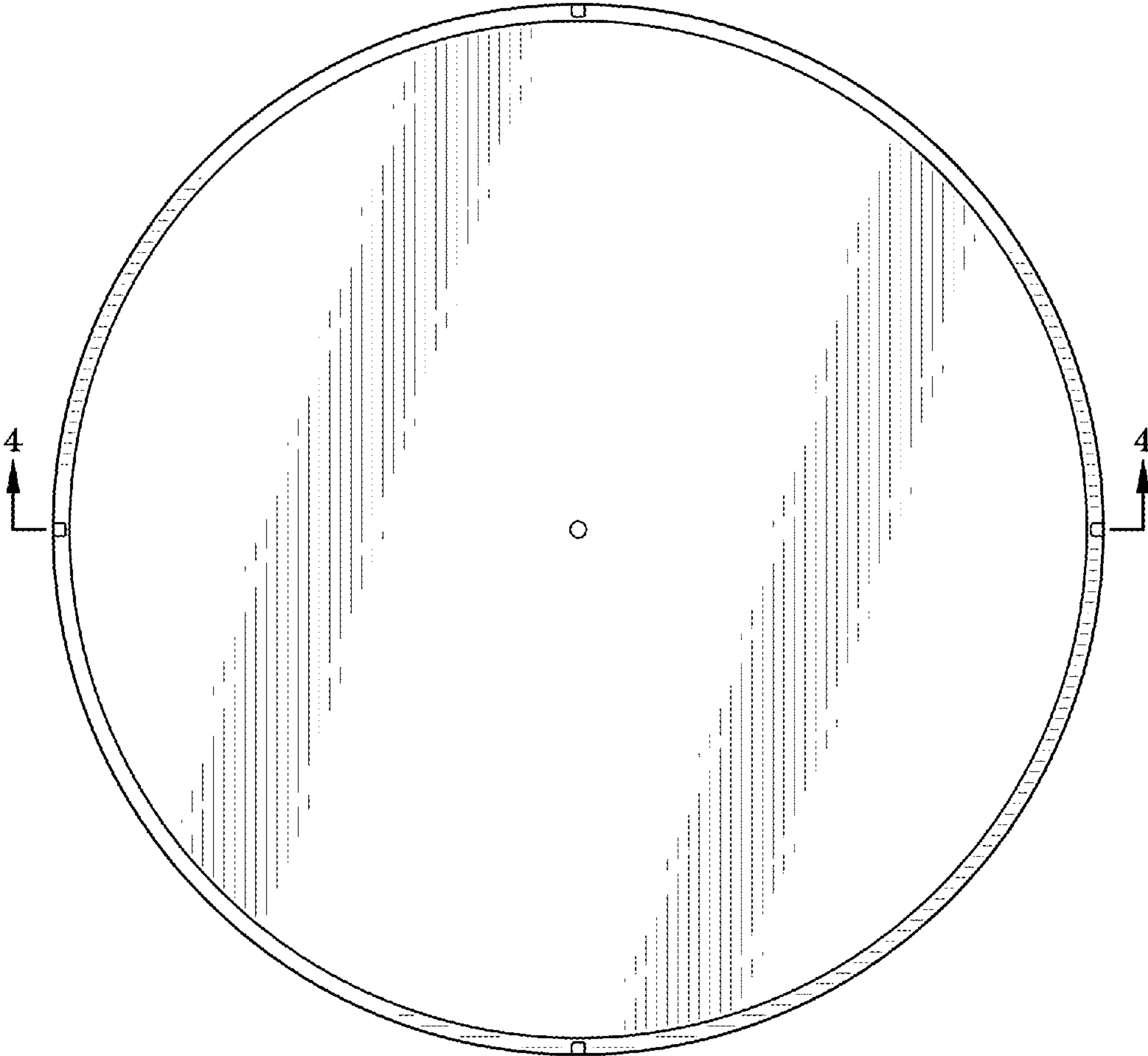


FIG-1

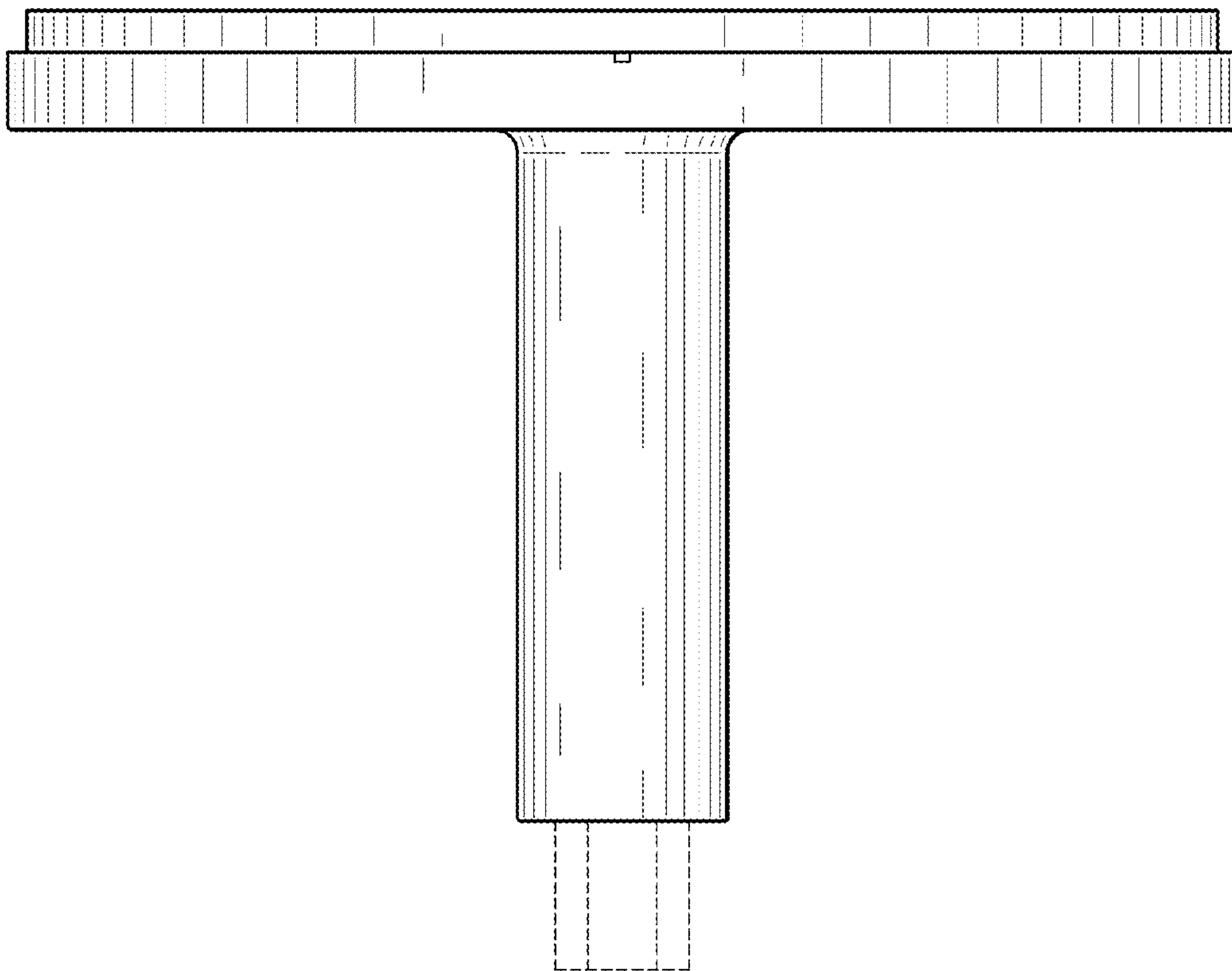


FIG-2

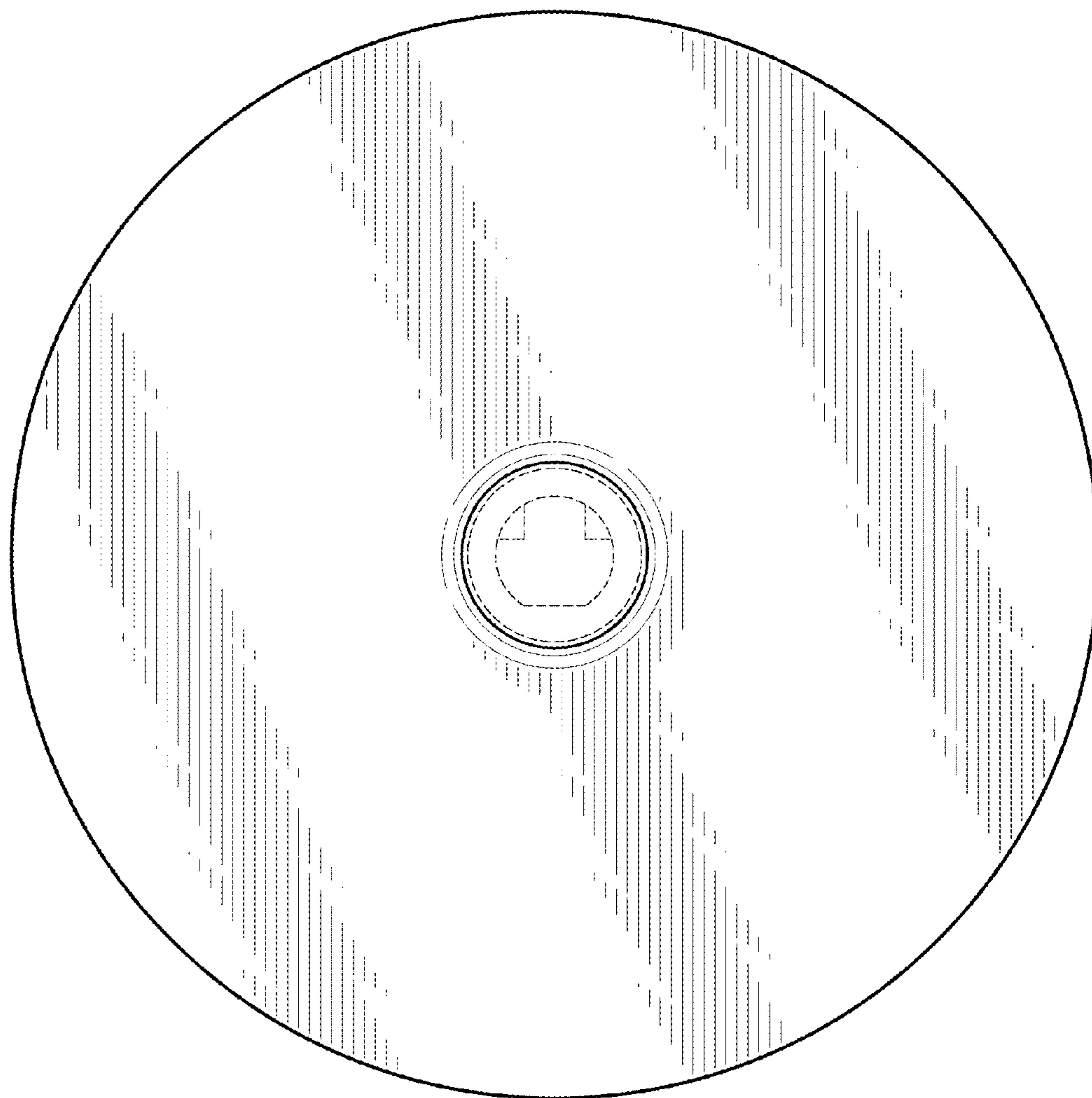


FIG-3

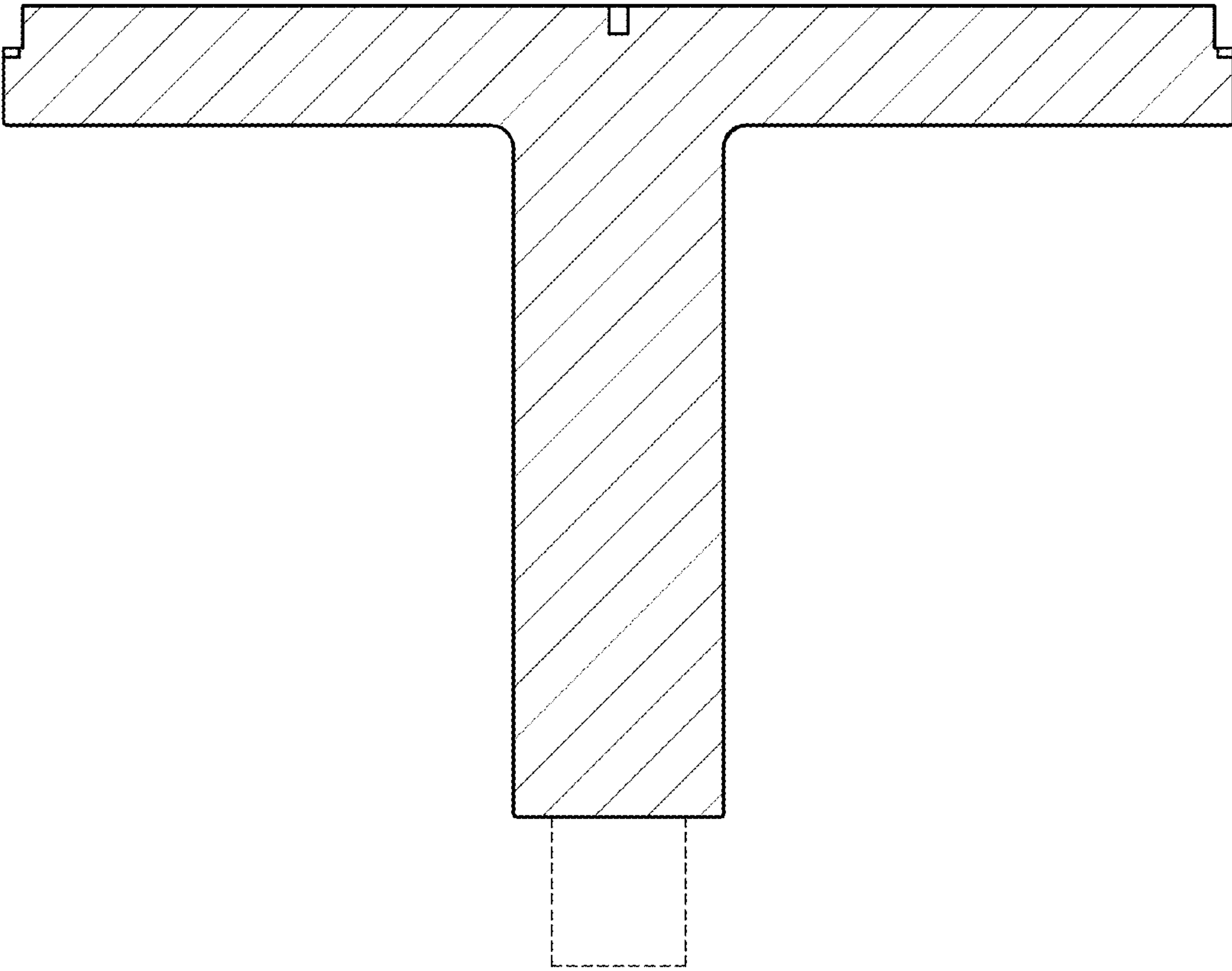


FIG-4

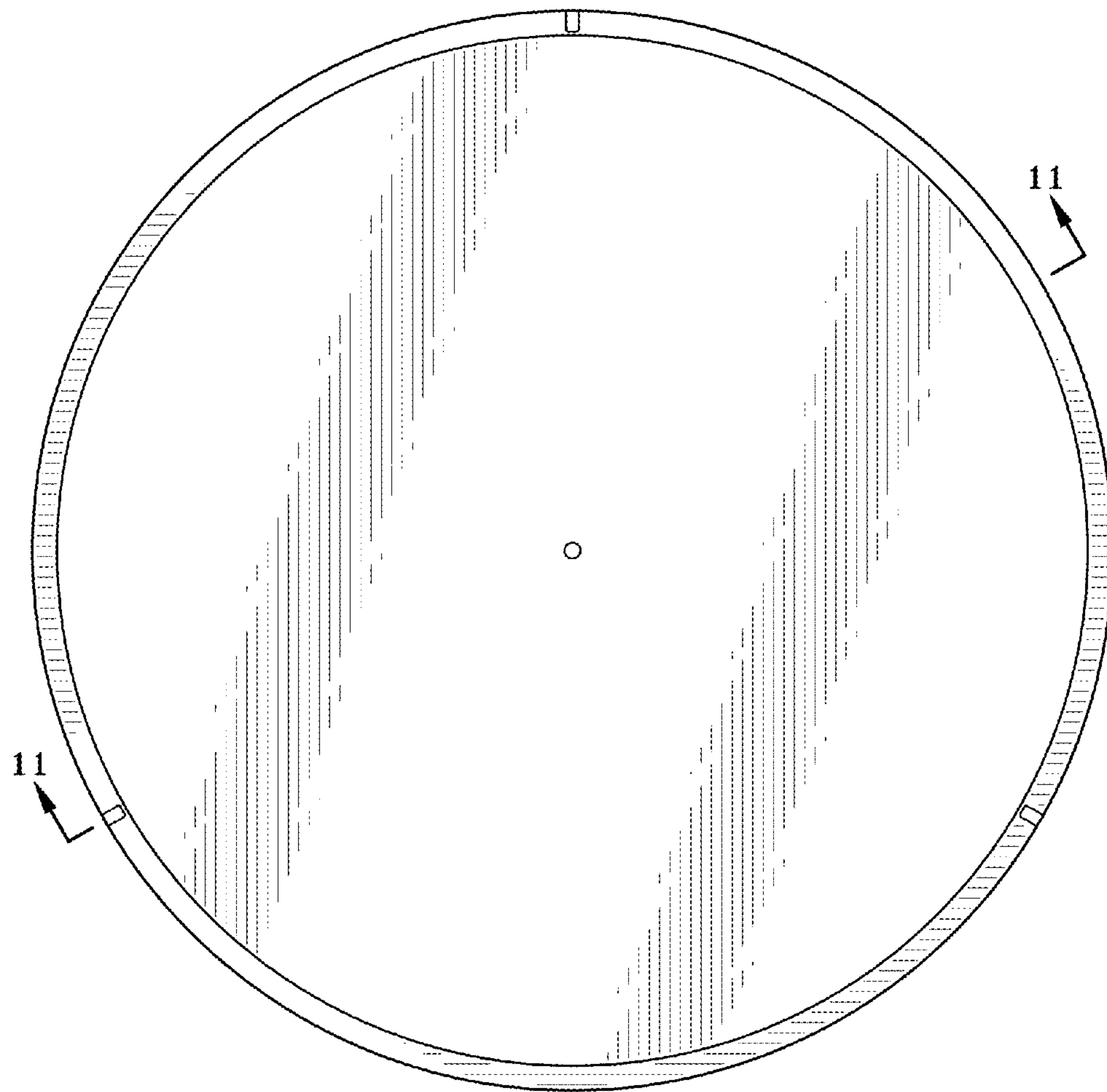


FIG-5

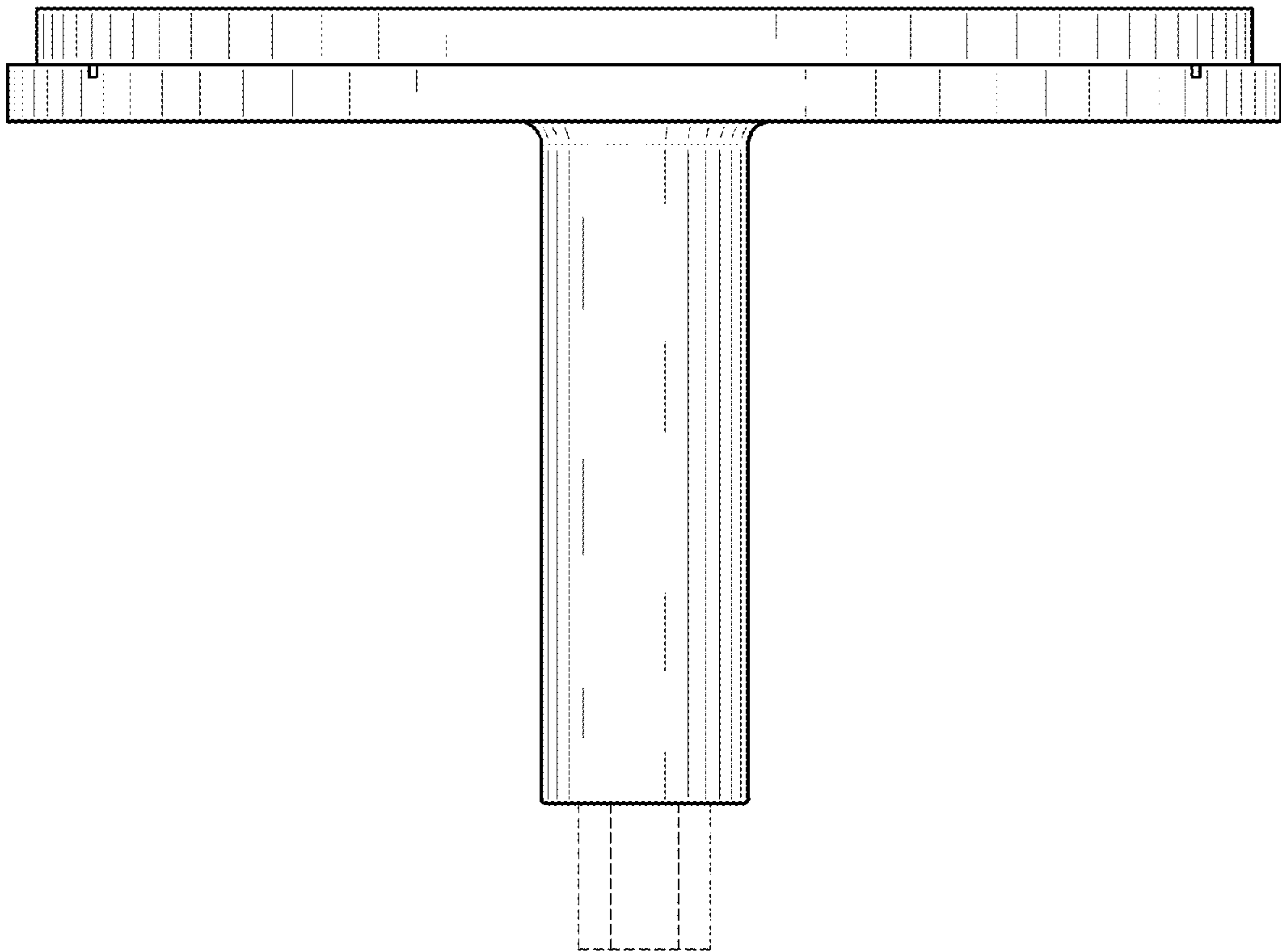


FIG-6

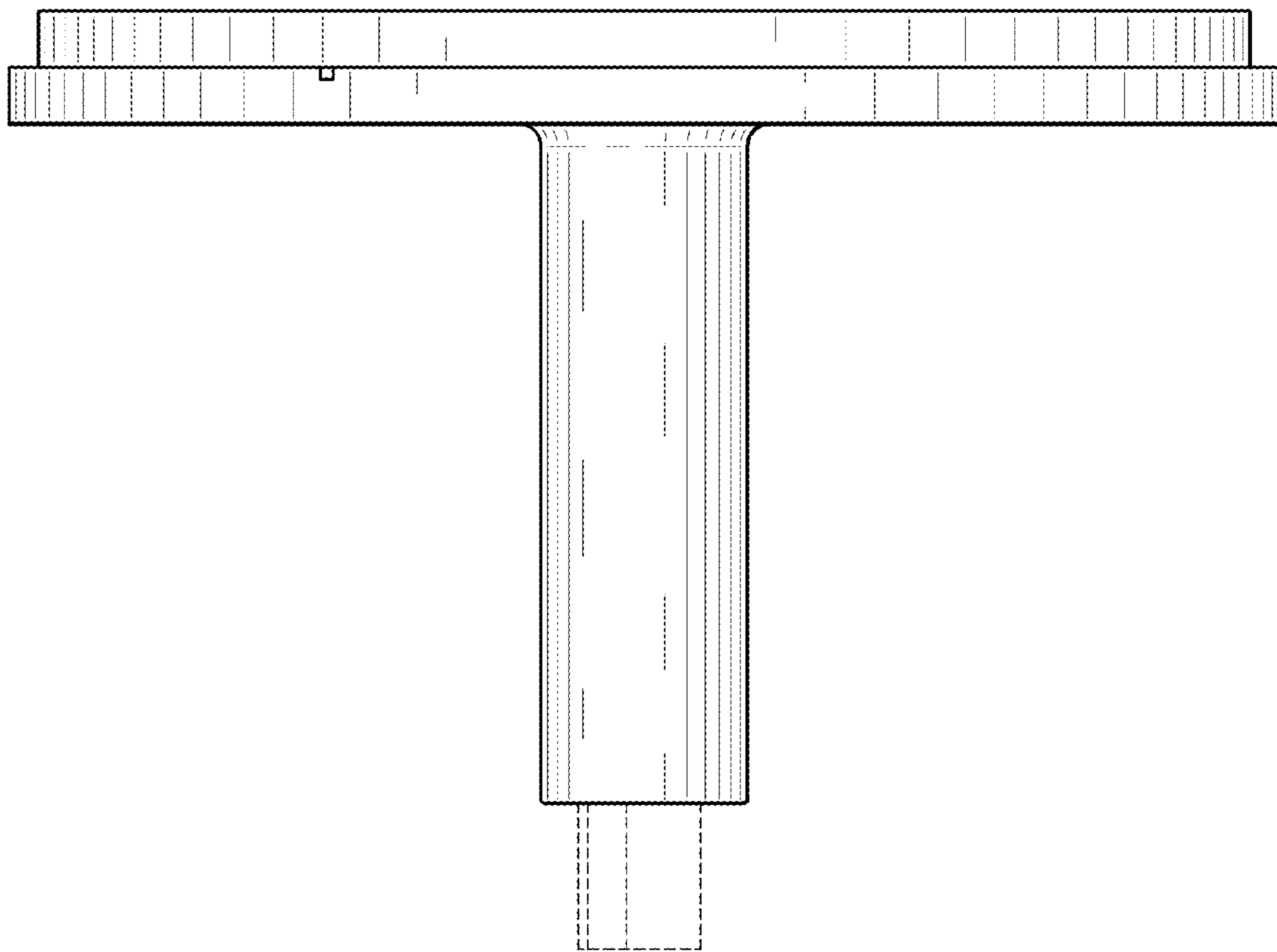


FIG-7

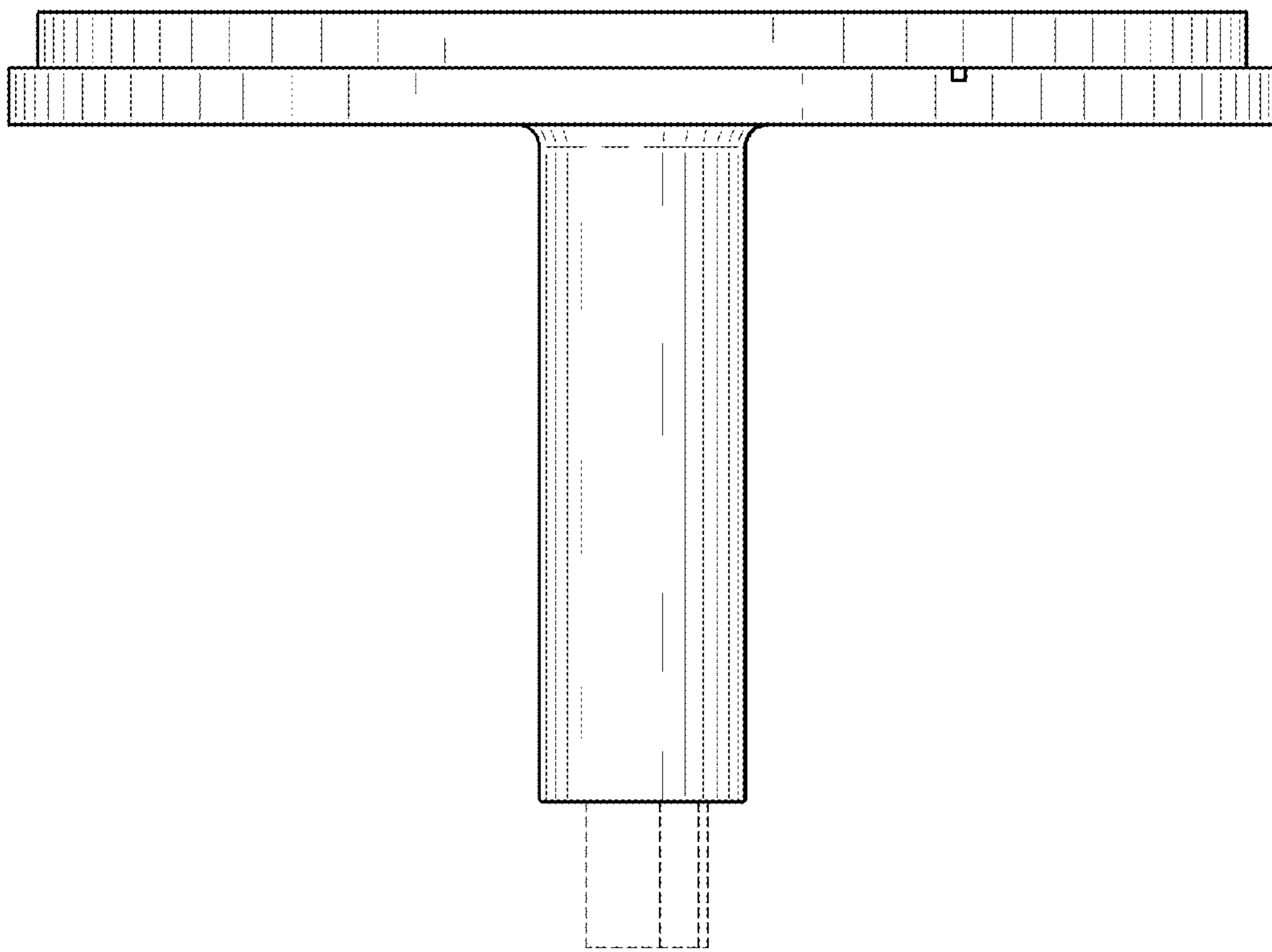


FIG-8

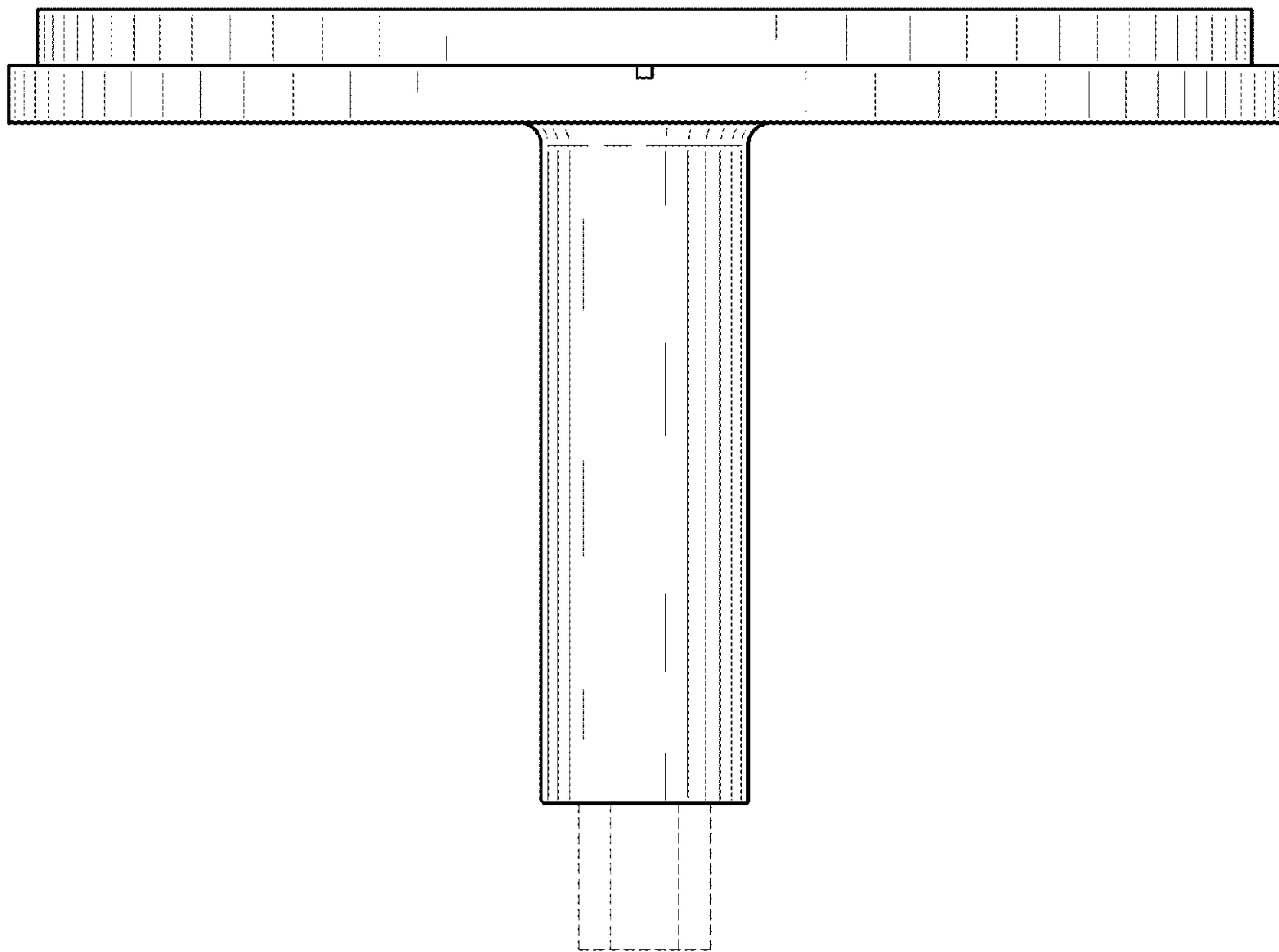


FIG-9

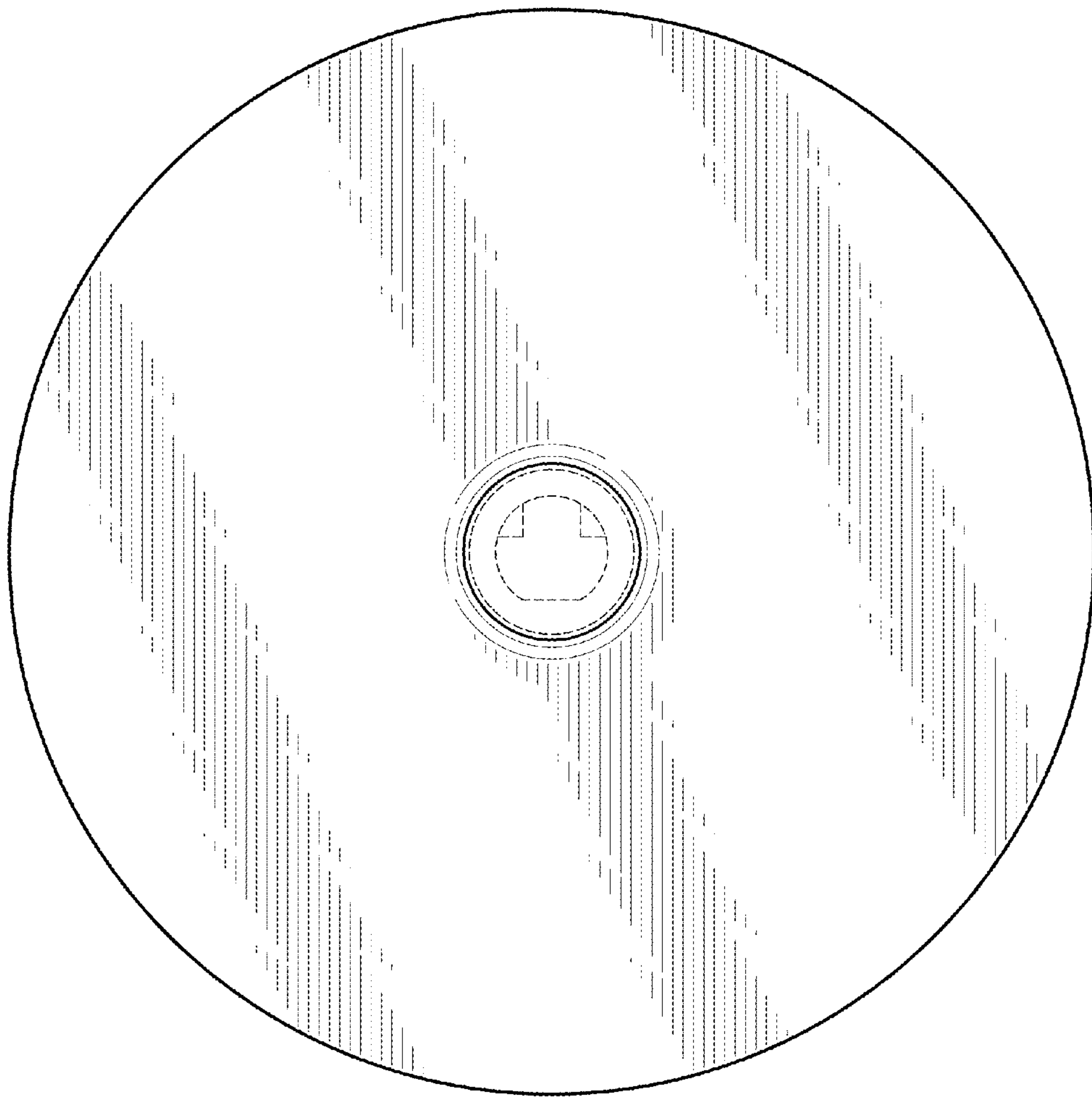


FIG-10

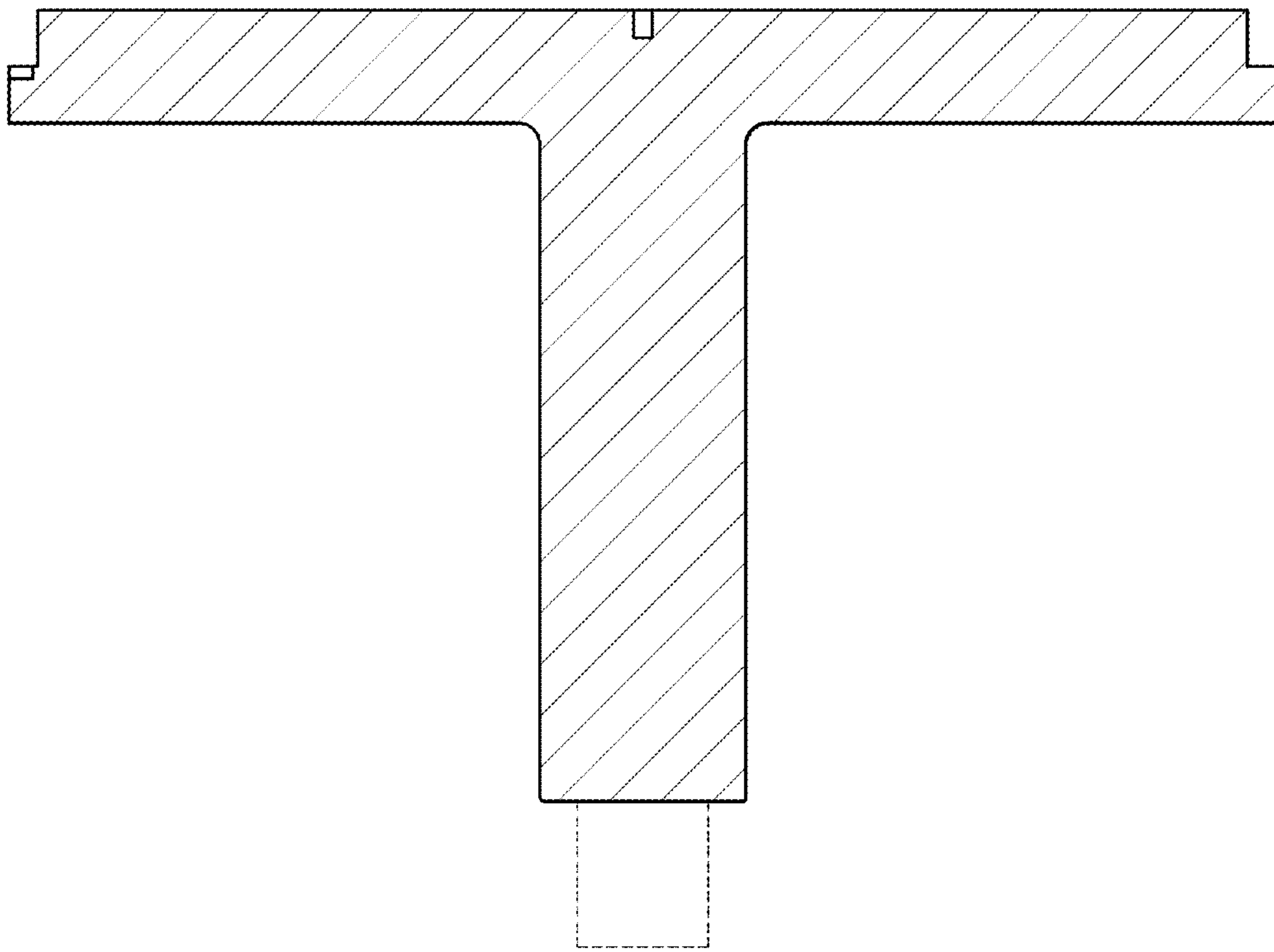


FIG-11