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

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- (54) **HOLE SAW ADAPTOR**
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- (**) Term: **14 Years**
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- (51) **LOC (10) Cl.** **08-03**
- (52) **U.S. Cl.**
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- (58) **Field of Classification Search**
CPC B23B 31/005; B23B 31/1072; B23B
51/0473; B23B 2240/00
USPC D8/70, 85, 86; D15/139, 140;
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279/144, 145, 900, 902; 299/87.1, 106,
299/107, 109; 408/143, 144, 153, 223,
408/239 A

See application file for complete search history.

7,850,405 B2 12/2010 Keightley
 2007/0166116 A1 7/2007 Olson et al.
 2009/0003953 A1* 1/2009 Kvalheim 409/192

(Continued)

FOREIGN PATENT DOCUMENTS

JP 2007083324 A * 4/2007 B23B 51/05
 JP 2009184029 A * 8/2009 B23B 51/04

OTHER PUBLICATIONS

“Bosch Quick Change System Mandrels.” Bosch Electronic Catalogue., Dec. 28, 2012 [online], [retrieved on Oct. 10, 2014]. Retrieved from the Internet <URL: <http://www.boschtools.com/SiteCollectionDocuments/1675.pdf>>.*

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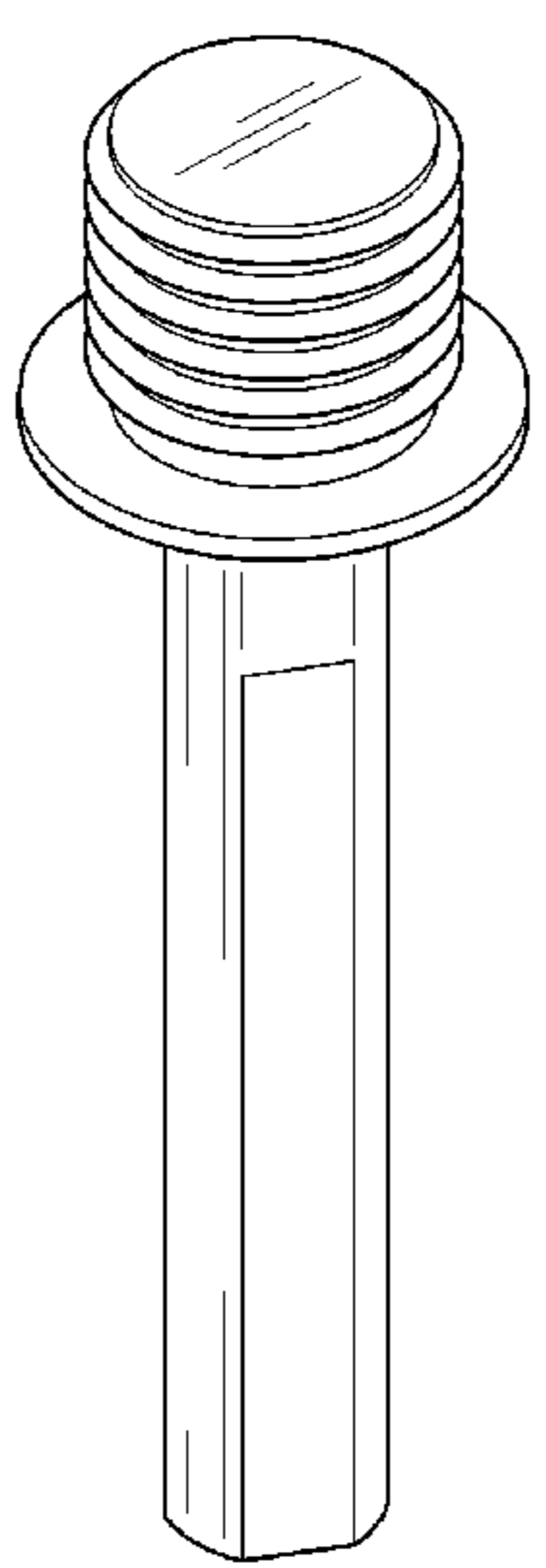
(57) **CLAIM**
 The ornamental design for a hole saw adaptor, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a hole saw adaptor;
 FIG. 2 is a front elevational view of the hole saw adaptor of FIG. 1;
 FIG. 3 is a rear elevational view of the hole saw adaptor of FIG. 1;
 FIG. 4 is a left side elevational view of the hole saw adaptor of FIG. 1;
 FIG. 5 is a right side elevational view of the hole saw adaptor of FIG. 1;
 FIG. 6 is a top plan view of the hole saw adaptor of FIG. 1; and,
 FIG. 7 is a bottom plan view of the hole saw adaptor of FIG. 1.

1 Claim, 3 Drawing Sheets

- (56) **References Cited**
U.S. PATENT DOCUMENTS
 D218,798 S * 9/1970 Keller D8/387
 3,837,759 A * 9/1974 Bittern 408/204
 3,999,869 A * 12/1976 Clark et al. 403/3
 5,413,437 A 5/1995 Bristow
 5,820,315 A 10/1998 Collard
 D415,180 S * 10/1999 Rosanwo D15/140
 6,048,141 A 4/2000 Freeman
 6,305,885 B1 10/2001 Linthicum
 D478,263 S * 8/2003 Welsh D8/70
 6,676,343 B2 1/2004 Burk
 6,881,017 B1 4/2005 Krecek et al.
 D589,319 S * 3/2009 Peters D8/70
 D620,035 S * 7/2010 Eades D15/139
 7,766,583 B2* 8/2010 Kozak 408/1 R



(56)

References Cited

U.S. PATENT DOCUMENTS

2009/0279971 A1 * 11/2009 O'Keefe et al. 408/204
2009/0279972 A1 * 11/2009 Novak et al. 408/239 R
2011/0170968 A1 * 7/2011 Moffatt 408/204
2013/0101366 A1 * 4/2013 Sanders 408/1 BD

OTHER PUBLICATIONS

"Ridgid 76037 Adaptor, small hole saw." Toolup.com., Oct. 28, 2010
[online], [retrieved on Oct. 10, 2014]. Retrieved from the Internet

<URL: http://www.toolup.com/ridgid_76037_adaptor-small-hole-saw.aspx>.*

www.globalindustrial.com/p/tools/Saws-Blades/Saws-Hole-Saws/Starrett-a19-oops-pilot-arbor?infoParam.campaignId=T9A&gulid=CNT1hpaXsLwCFUHNOgodGX8ADg printed on Jun. 27, 2014.

www.waresdirect.com/products/Commercial-Products/Bosch-Power-Tools/HOLE-ENLARGER-326709?trackURL=froogle&gclid=CNLI0K2WsLWCFQHNOgodiVoARg printed on Jun. 27, 2014.

* cited by examiner

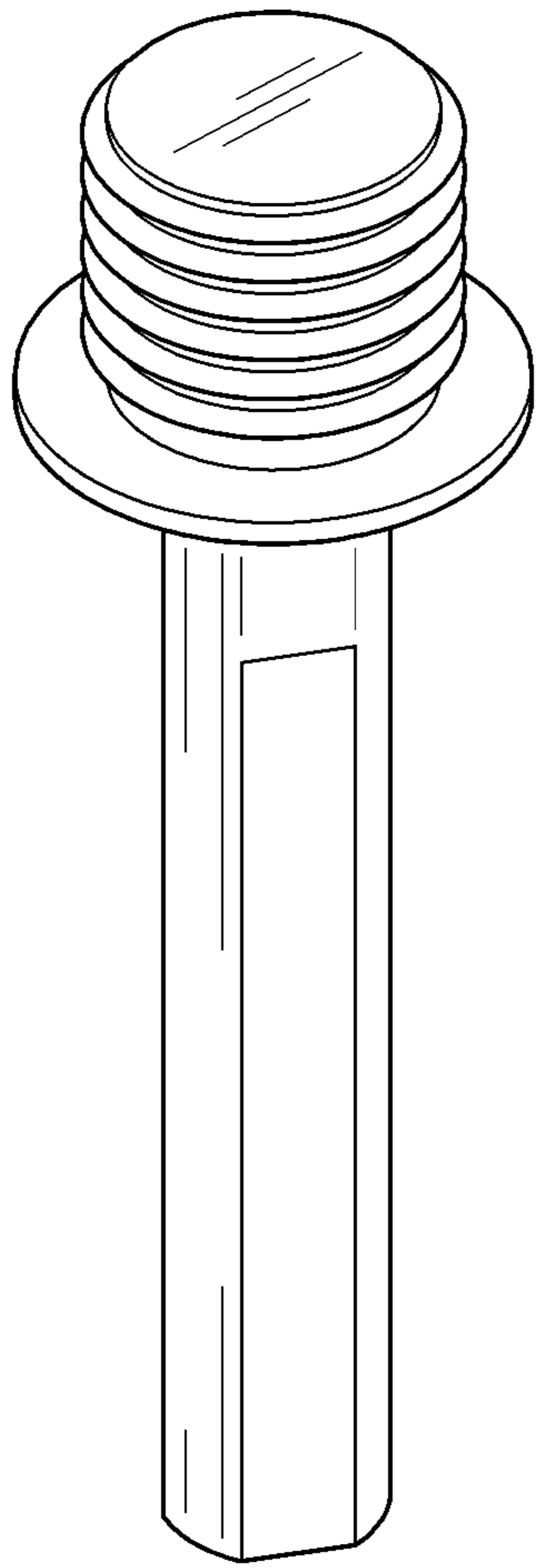


FIG. 1

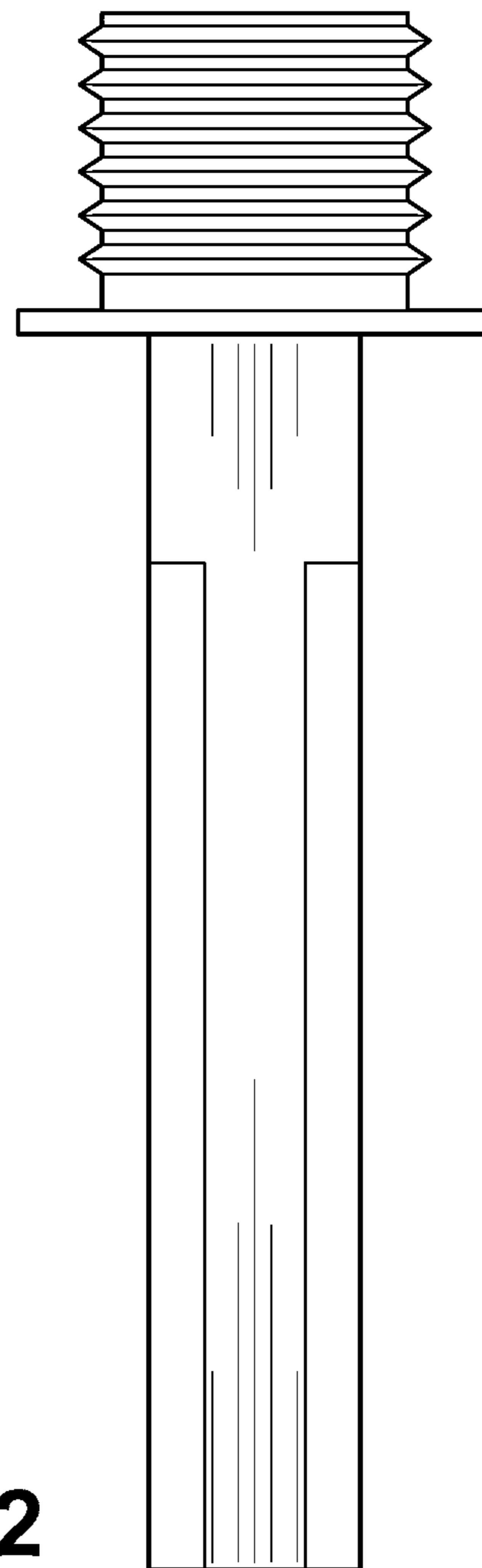


FIG. 2

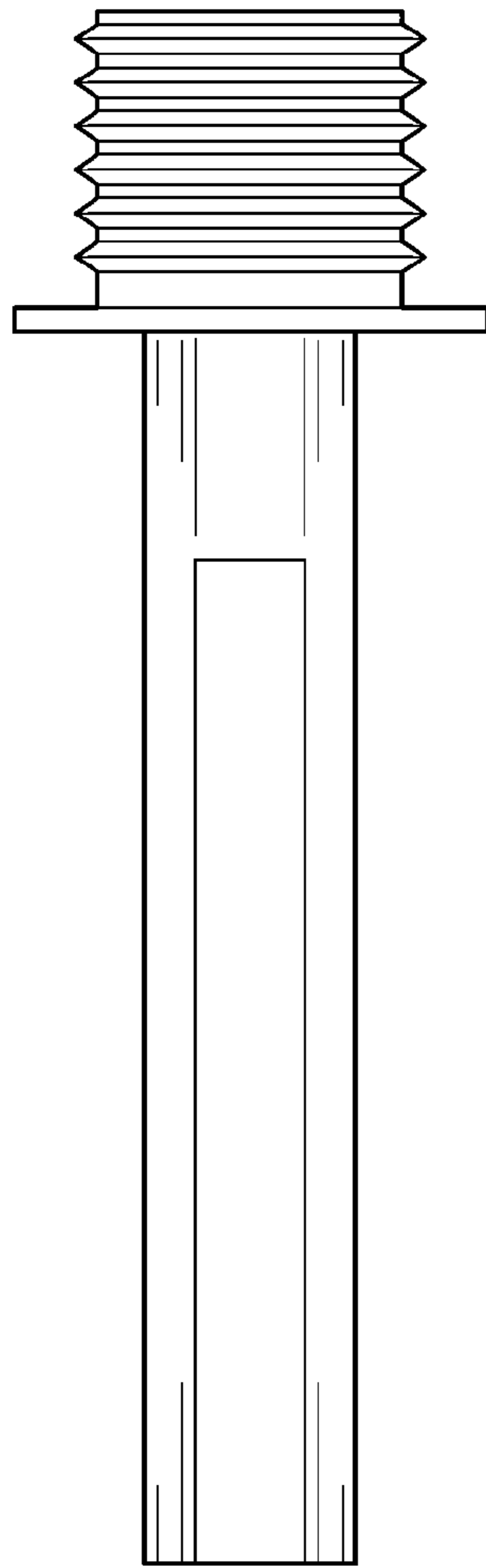


FIG. 3

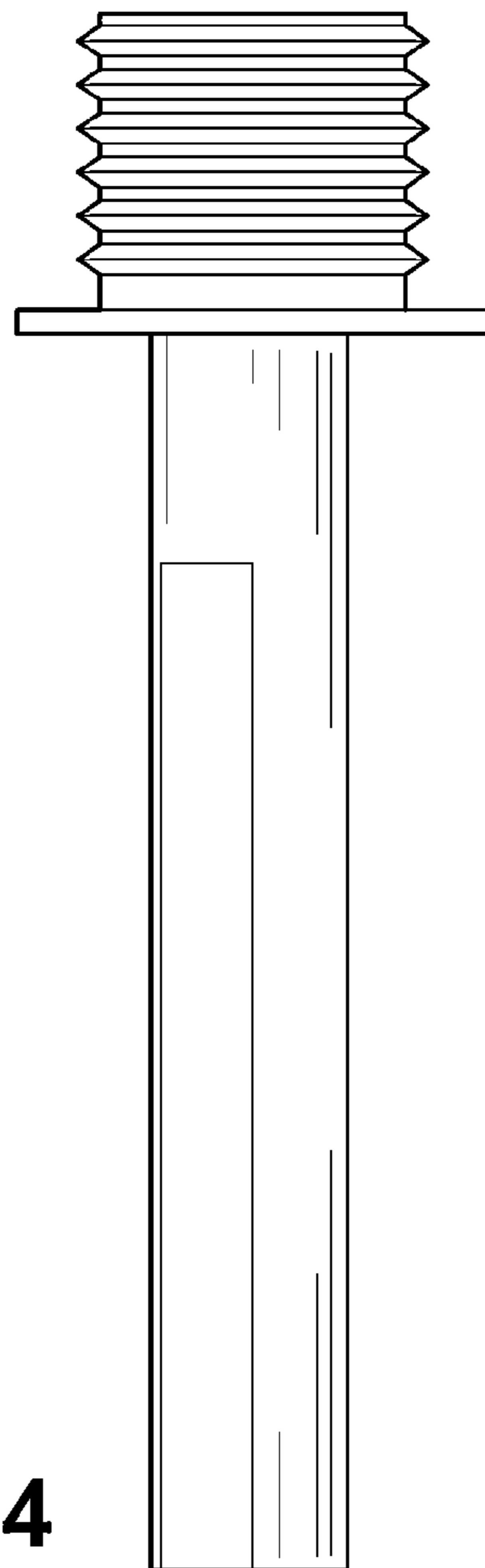


FIG. 4

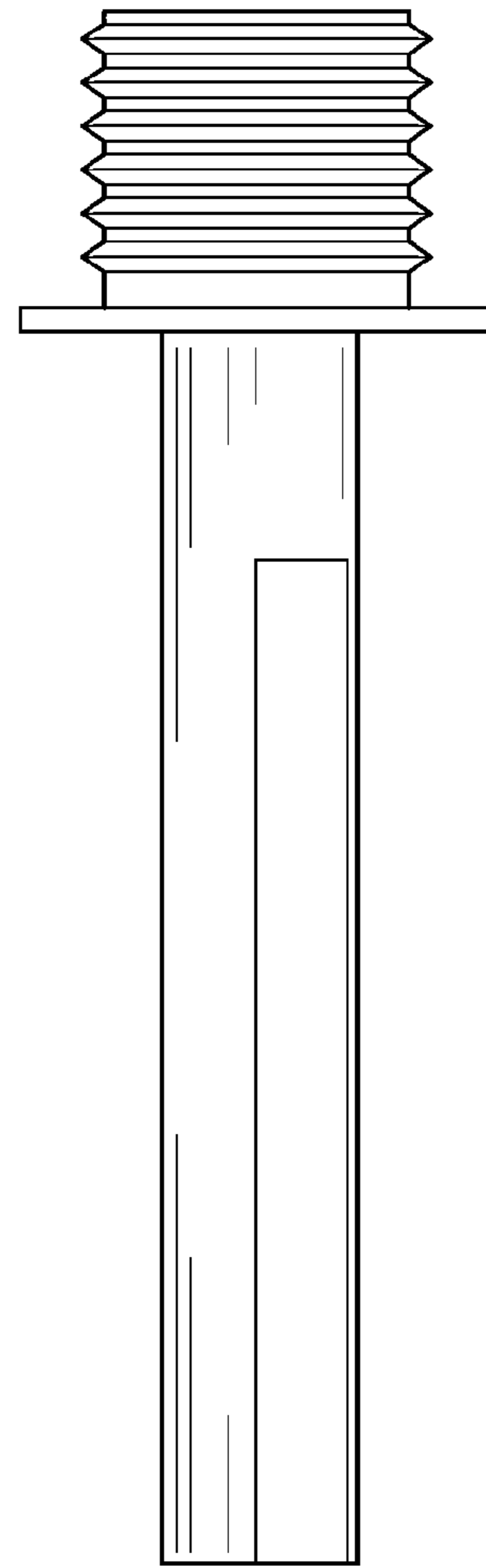


FIG. 5

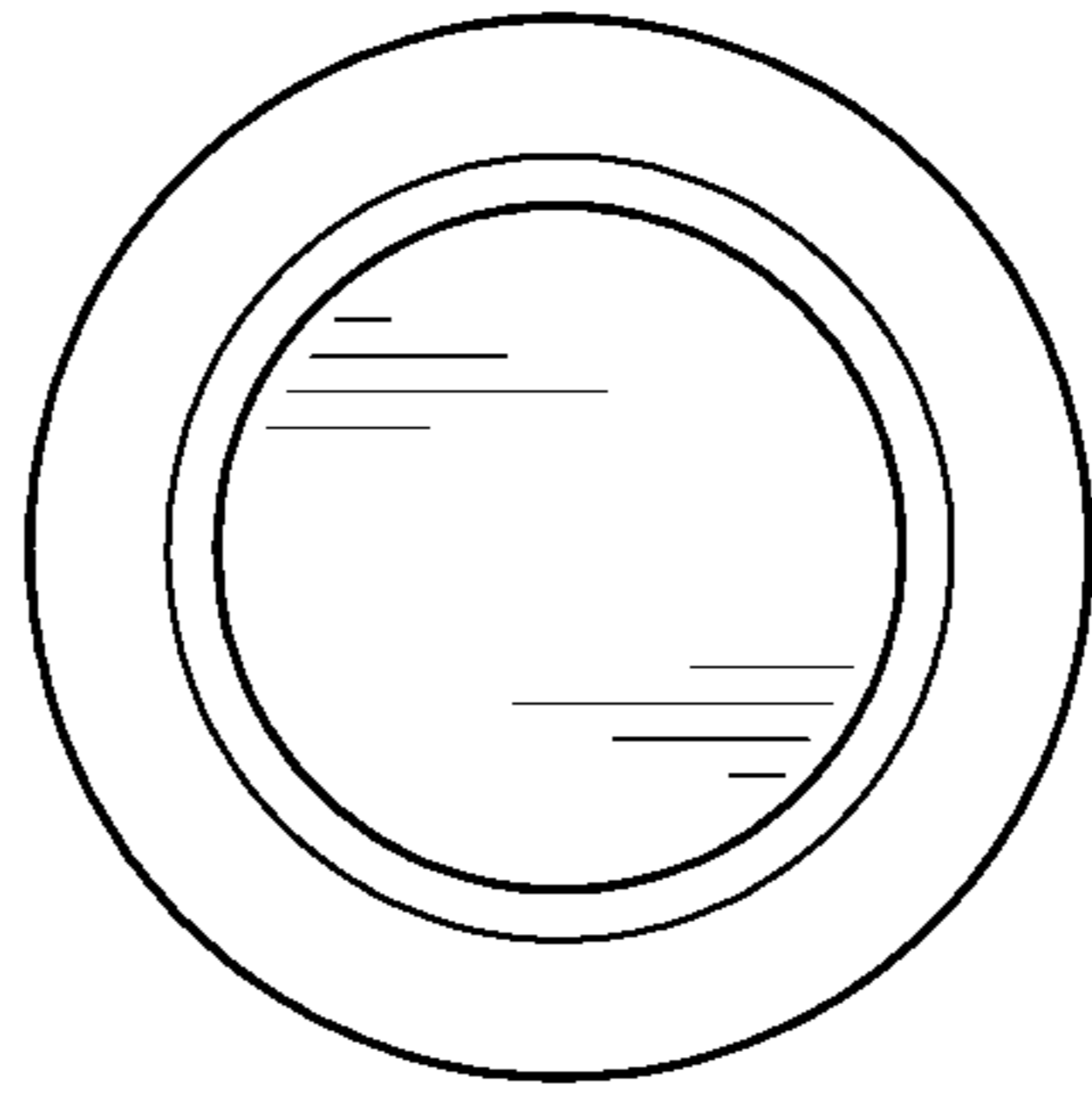


FIG. 6

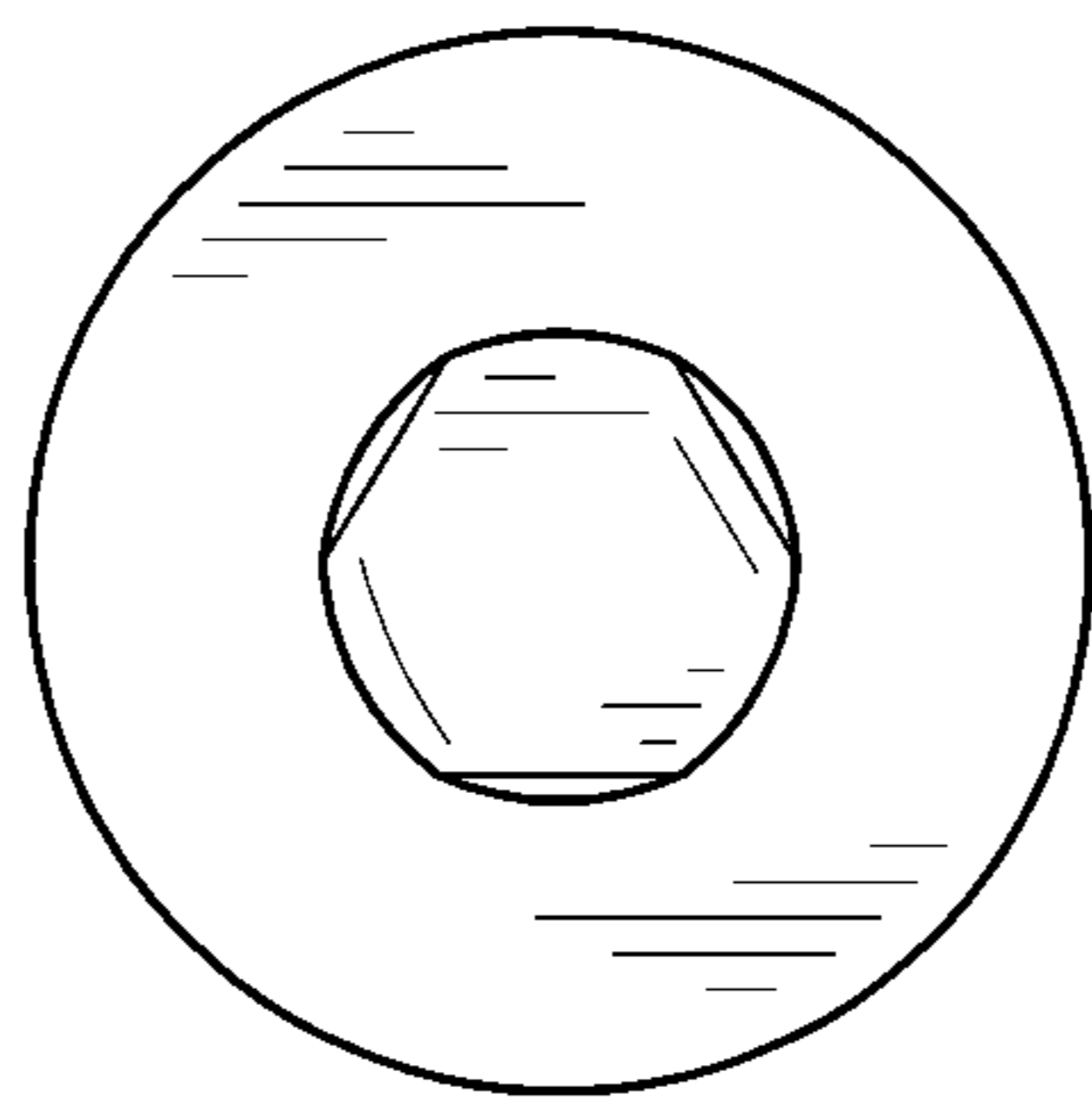


FIG. 7