



US00D642268S

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

(10) **Patent No.:** **US D642,268 S**  
(45) **Date of Patent:** **\*\* Jul. 26, 2011**

(54) **HEX ROD FOR SPINAL SURGERY**

(75) Inventor: **Abid Qureshi**, Walnut Creek, CA (US)

(73) Assignee: **Theken Spine, LLC**, Akron, OH (US)

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

(21) Appl. No.: **29/342,517**

(22) Filed: **Aug. 26, 2009**

(51) **LOC (9) Cl.** ..... **24-03**

(52) **U.S. Cl.** ..... **D24/155**

(58) **Field of Classification Search** ..... D24/155,  
D24/133, 156, 180, 176; 606/304, 74, 72,  
606/259, 294, 329, 255, 261, 278, 276, 301,  
606/254, 264, 279, 305, 207, 330, 60, 308,  
606/328, 258, 248, 246, 267; 623/17.11;  
411/385

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- 3,019,504 A \* 2/1962 Castagliuolo
- 4,269,178 A \* 5/1981 Keene ..... 606/276
- D261,935 S \* 11/1981 Halloran ..... D24/155
- 4,409,968 A \* 10/1983 Drummond ..... 606/86 A
- 4,411,259 A \* 10/1983 Drummond ..... 606/86 A
- 4,422,451 A \* 12/1983 Kalamchi ..... 606/276
- D279,502 S \* 7/1985 Halloran ..... D24/155
- D279,503 S \* 7/1985 Halloran ..... D24/155
- 4,648,388 A \* 3/1987 Steffee
- 4,658,809 A \* 4/1987 Ulrich et al.
- 4,763,644 A \* 8/1988 Webb et al.
- 4,836,196 A \* 6/1989 Park et al.
- 4,854,304 A \* 8/1989 Zielke
- 4,931,055 A \* 6/1990 Bumpus et al.
- 5,010,879 A \* 4/1991 Moriya et al.
- 5,034,013 A \* 7/1991 Kyle et al. .... 606/62
- 5,042,982 A \* 8/1991 Harms et al.
- 5,047,029 A \* 9/1991 Aebi et al.
- 5,116,334 A \* 5/1992 Cozad et al.

- 5,129,388 A \* 7/1992 Vignaud et al.
- 5,176,678 A \* 1/1993 Tsou
- 5,176,679 A \* 1/1993 Lin
- 5,176,680 A \* 1/1993 Vignaud et al.
- 5,196,013 A \* 3/1993 Harms et al.
- D341,884 S \* 11/1993 Cohen et al. .... D24/133
- D346,217 S \* 4/1994 Sparker et al. .... D24/133
- 5,312,405 A \* 5/1994 Korotko et al.
- 5,330,473 A \* 7/1994 Howland

(Continued)

**FOREIGN PATENT DOCUMENTS**

EP 0878170 11/1998

(Continued)

*Primary Examiner* — Mark Goodwin

(74) *Attorney, Agent, or Firm* — Middleton Reutlinger;  
Robert H. Eichenberger; Eric L. Killmeier

(57) **CLAIM**

The ornamental design for a hex rod for spinal surgery, as shown and described.

**DESCRIPTION**

FIG. 1 is a top perspective view of the hex rod for spinal surgery of the present invention.

FIG. 2 is a top view of the hex rod for spinal surgery of FIG. 1.

FIG. 3 is a right side elevation view of the hex rod for spinal surgery of FIG. 1.

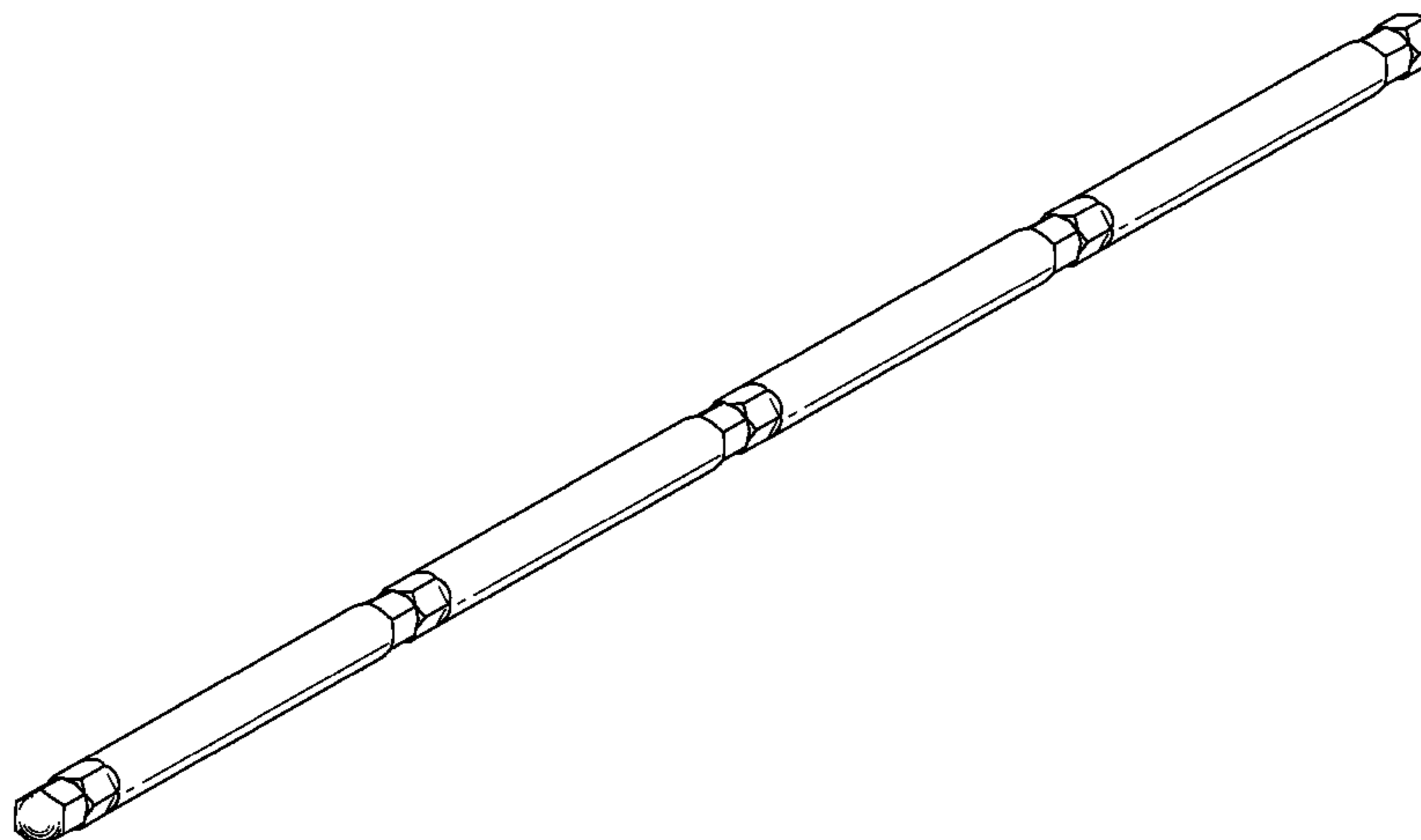
FIG. 4 is a bottom view of the hex rod for spinal surgery of FIG. 1.

FIG. 5 is a left side elevation view of the hex rod for spinal surgery of FIG. 1.

FIG. 6 is an enlarged first end elevational view of the hex rod for spinal surgery of FIG. 1; and,

FIG. 7 is an enlarged second end elevational view of the hex rod for spinal surgery of FIG. 1.

**1 Claim, 4 Drawing Sheets**



# US D642,268 S

Page 2

## U.S. PATENT DOCUMENTS

5,382,248 A \* 1/1995 Jacobson et al.  
5,385,583 A \* 1/1995 Cotrel  
5,387,212 A \* 2/1995 Yuan et al.  
5,429,639 A \* 7/1995 Judet  
5,470,333 A \* 11/1995 Ray  
5,499,983 A \* 3/1996 Hughes  
5,601,552 A \* 2/1997 Cotrel  
5,603,714 A \* 2/1997 Kanada et al.  
D378,314 S \* 3/1997 Koros et al. .... D24/155  
5,662,652 A \* 9/1997 Schafer et al.  
6,264,658 B1 \* 7/2001 Lee et al.  
6,783,526 B1 \* 8/2004 Lin et al.  
D566,277 S \* 4/2008 Barry ..... D24/155  
D900,717 \* 10/2008 Feaster  
7,641,673 B2 \* 1/2010 Le Couedic et al. .... 606/259  
D618,348 S \* 6/2010 Krishna et al. .... D24/155  
D618,349 S \* 6/2010 Krishna et al. .... D24/155  
D622,395 S \* 8/2010 Iott et al. .... D24/171  
D623,746 S \* 9/2010 Laskowitz et al. .... D24/155  
2005/0187549 A1 \* 8/2005 Jackson ..... 606/61  
2006/0229607 A1 \* 10/2006 Brumfield ..... 606/61  
2007/0093813 A1 \* 4/2007 Callahan et al. .... 606/61

2007/0233250 A1 \* 10/2007 Shadduck ..... 623/17.11  
2008/0091214 A1 \* 4/2008 Richelsoph ..... 606/103  
2008/0183214 A1 \* 7/2008 Copp et al. .... 606/265  
2008/0234691 A1 \* 9/2008 Schwab ..... 606/100  
2009/0062859 A1 \* 3/2009 Mahoney et al. .... 606/278  
2009/0105774 A1 \* 4/2009 Jones et al. .... 606/86 A  
2009/0287251 A1 \* 11/2009 Bae et al. .... 606/254  
2009/0306722 A1 \* 12/2009 Lewis et al. .... 606/276  
2009/0326582 A1 \* 12/2009 Songer et al. .... 606/255  
2010/0036423 A1 \* 2/2010 Hayes et al. .... 606/260  
2010/0042154 A1 \* 2/2010 Biedermann et al. .... 606/254  
2010/0042156 A1 \* 2/2010 Harms et al. .... 606/254  
2010/0042157 A1 \* 2/2010 Trieu ..... 606/255  
2010/0057139 A1 \* 3/2010 Zucherman et al. .... 606/308  
2010/0057140 A1 \* 3/2010 Zucherman et al. .... 606/308  
2011/0004249 A1 \* 1/2011 Wu et al. .... 606/254  
2011/0060367 A1 \* 3/2011 Stauber ..... 606/250

## FOREIGN PATENT DOCUMENTS

EP 1297792 4/2003  
GB 2051581 6/1980

\* cited by examiner

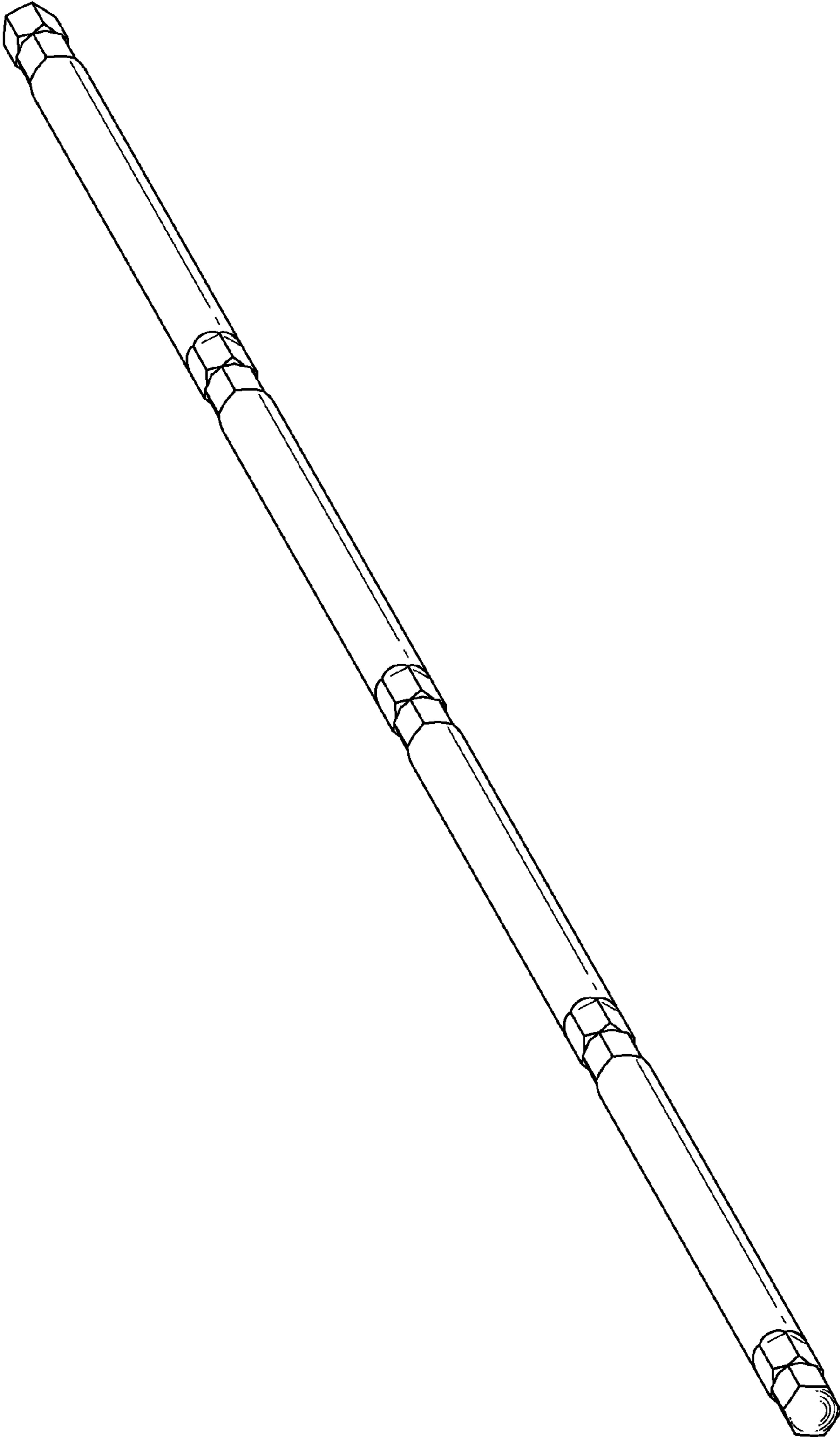


FIG. 1



FIG. 2



FIG. 3



FIG. 4



FIG. 5

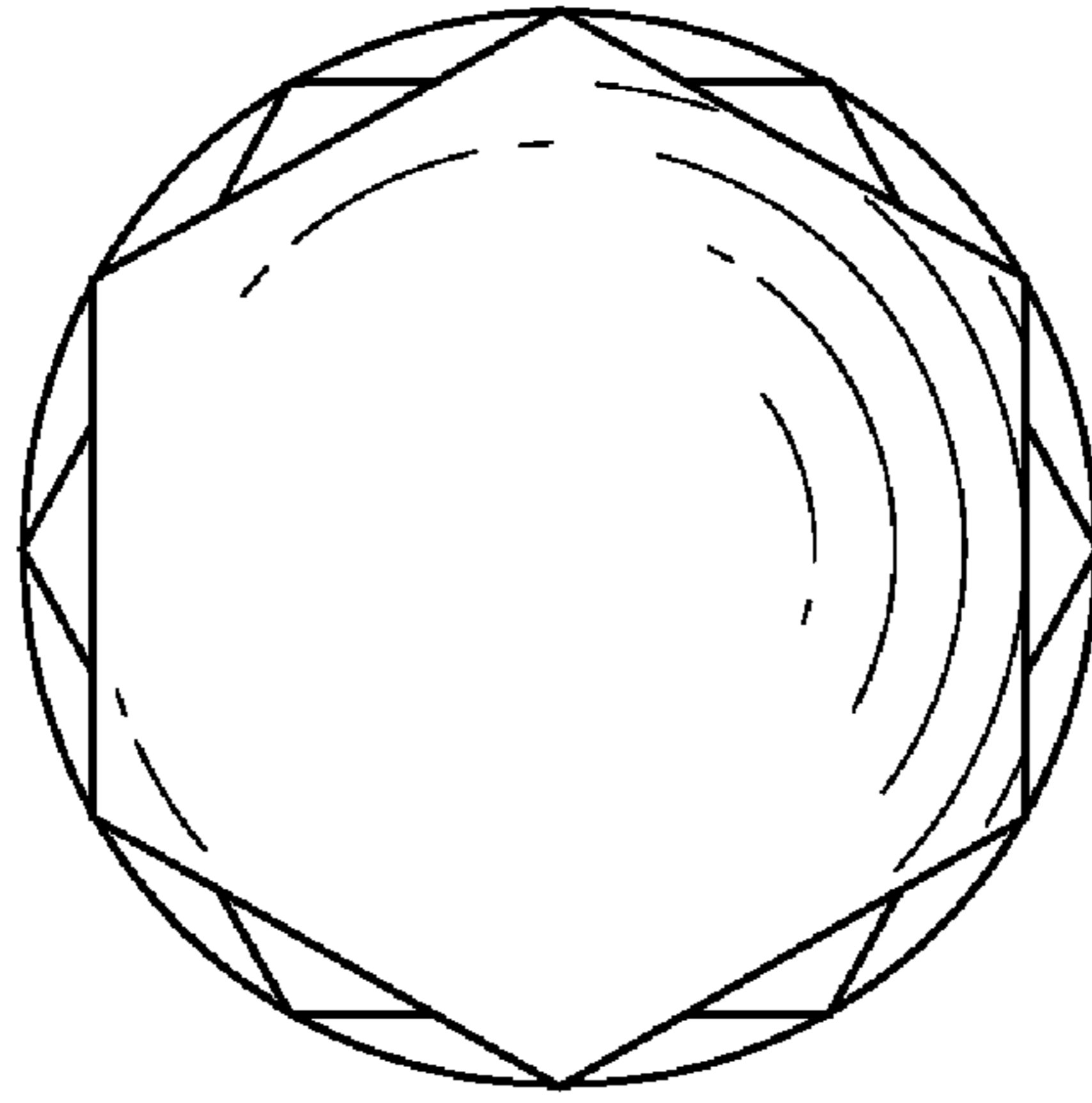


FIG. 7

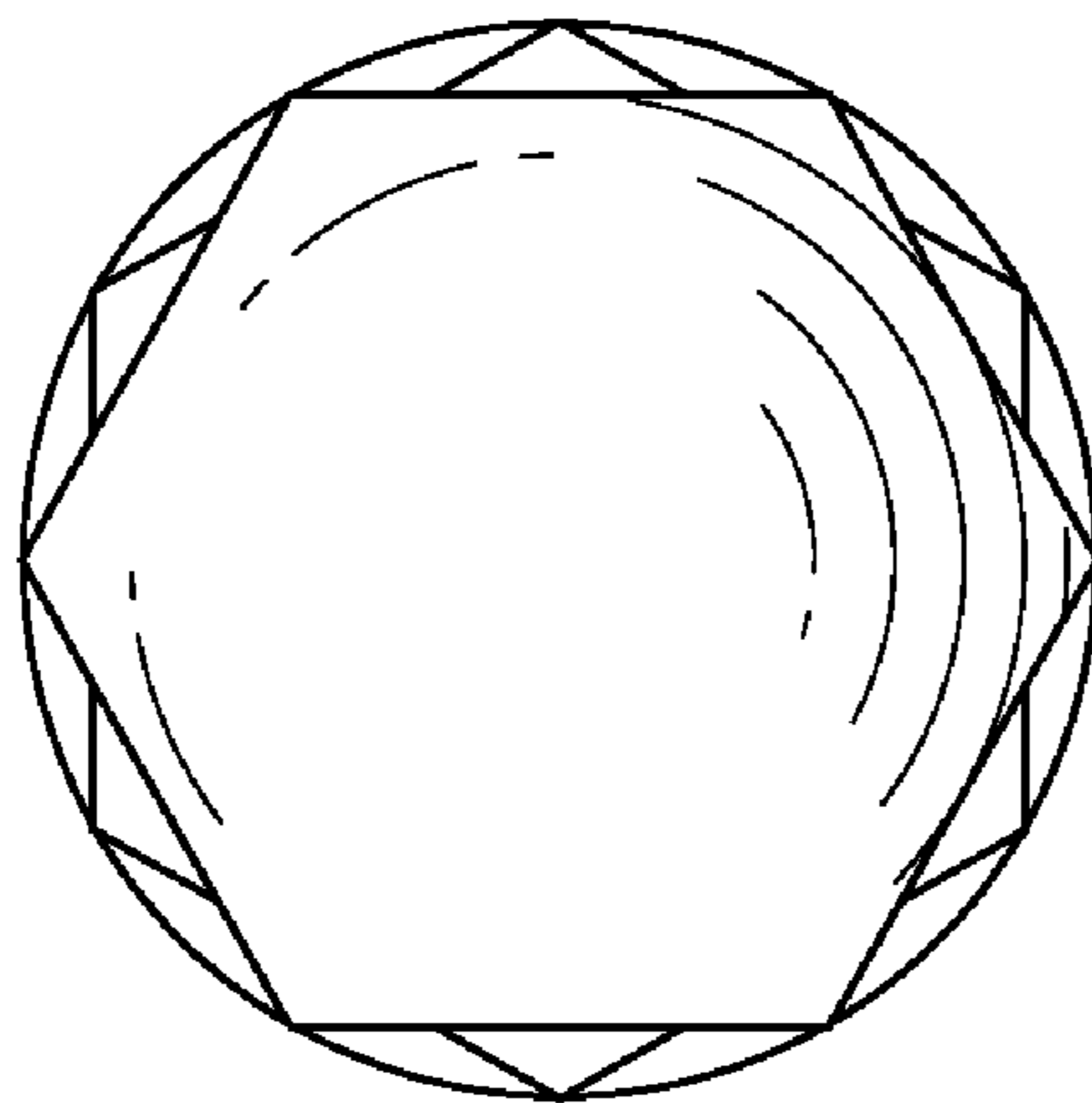


FIG. 6