



US00D953146S

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

(10) **Patent No.:** **US D953,146 S**

(45) **Date of Patent:** **** May 31, 2022**

(54) **COGGED MOUNTING KNUCKLE ASSEMBLY**

(71) Applicant: **Western Technology, Inc.**, Bremerton, WA (US)

(72) Inventor: **Michael Kralik**, Draper, UT (US)

(73) Assignee: **Western Technology, Inc.**, Bremerton, WA (US)

(**) Term: **15 Years**

(21) Appl. No.: **29/758,768**

(22) Filed: **Nov. 18, 2020**

(51) **LOC (13) Cl.** **08-05**

(52) **U.S. Cl.**
USPC **D8/349**

(58) **Field of Classification Search**
USPC D8/349, 354, 355
CPC F16M 11/048; F16M 11/10; F16M 11/103;
F16M 11/121; F16M 11/18; F16C 11/103;
Y10T 403/32368; Y10T 403/32049; Y10T
403/32008
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 3,638,973 A 2/1972 Peletti
- 4,050,661 A * 9/1977 Wooldridge G01B 5/0004
248/285.1
- 4,115,966 A * 9/1978 DeLee G09F 7/18
40/606.15
- D274,498 S * 7/1984 Ash D8/349
- D330,555 S * 10/1992 Lilly D14/238
- D337,333 S * 7/1993 Turk D8/355
- 5,405,347 A * 4/1995 Lee A61B 17/6416
403/53
- 5,547,305 A * 8/1996 Treche F16C 11/10
439/480
- 5,564,852 A * 10/1996 Maxwell H01R 11/14
81/53.11

- 5,761,844 A * 6/1998 Horschel A01K 97/10
248/292.12
- 5,957,421 A 9/1999 Barbour
- 5,964,439 A * 10/1999 Johnson A61G 5/10
248/278.1
- 6,079,682 A * 6/2000 Olkkola B60R 11/0241
248/292.12
- 6,093,878 A * 7/2000 Hoshino G10D 13/063
84/421

(Continued)

FOREIGN PATENT DOCUMENTS

WO WO 2016/124860 A1 8/2016

OTHER PUBLICATIONS

Rozetka.; "AGS Magic Arm Swivel." Retrieved from <https://rozetka.com.ua/ua/tripods/c80075/>; on Feb. 10, 2020; 2 Pages.

Primary Examiner — Mark A Goodwin

(74) *Attorney, Agent, or Firm* — Thorpe North and Western LLP

(57) **CLAIM**

The ornamental design for a cogged mounting knuckle assembly, as shown and described.

DESCRIPTION

FIG. 1 is a disassembled top left perspective view of a cogged mounting knuckle assembly in accordance with my invention;

FIG. 2 is a disassembled bottom left perspective view thereof;

FIG. 3 is a front view thereof;

FIG. 4 is a back view thereof

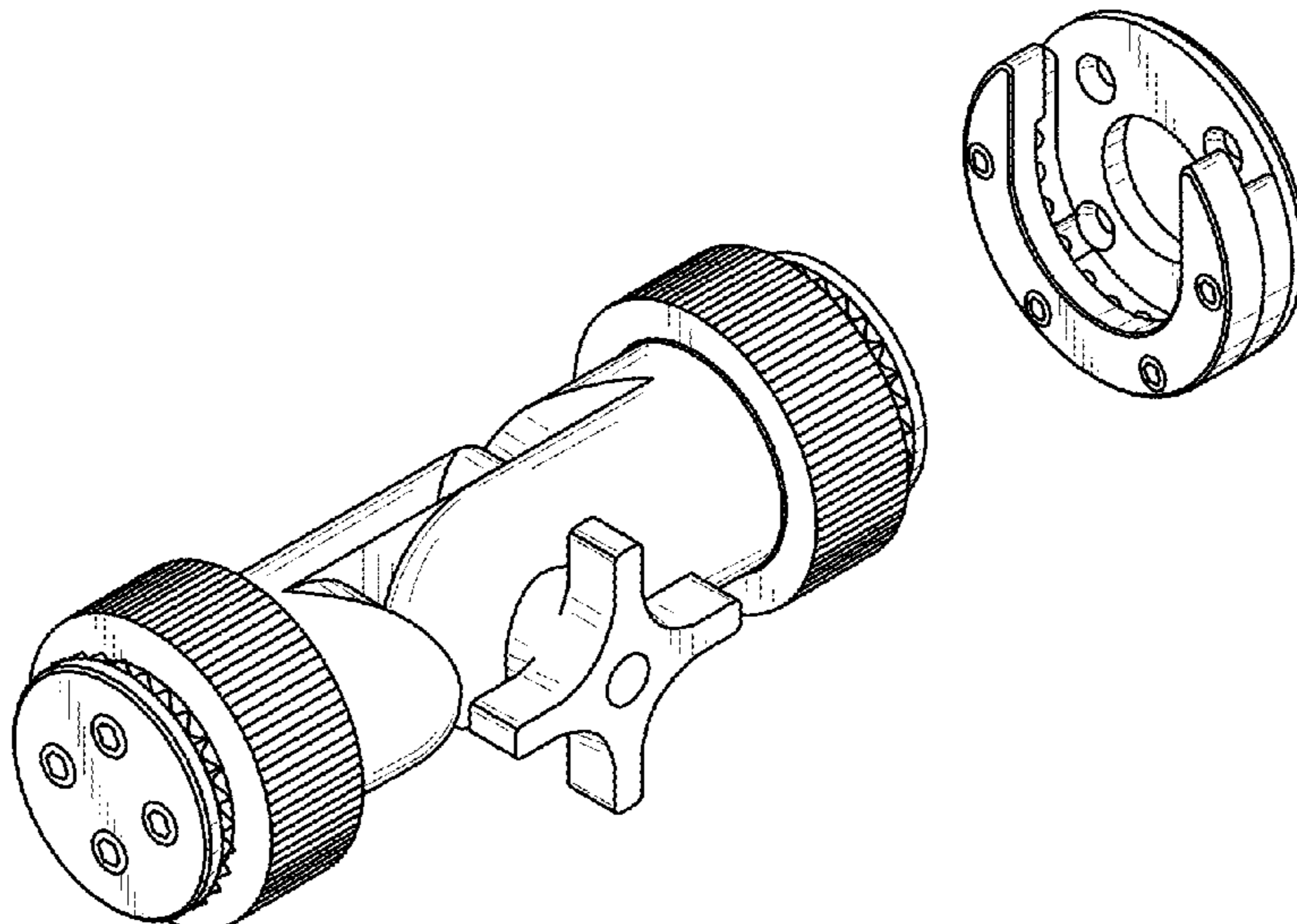
FIG. 5 is a top view thereof;

FIG. 6 is a bottom view thereof;

FIG. 7 is a left view thereof; and,

FIG. 8 is a right view thereof.

1 Claim, 3 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D439,135 S * 3/2001 Elmer D8/349
6,582,147 B1 * 6/2003 Pursiheimo F16M 11/18
403/97
6,863,252 B2 * 3/2005 Bosson F16M 11/041
248/278.1
6,886,852 B2 * 5/2005 Cheng B62B 1/045
280/DIG. 6
D609,552 S * 2/2010 Anderson D8/349
D658,480 S * 5/2012 Pratt D8/349
8,640,998 B2 2/2014 Lau et al.
8,753,030 B2 * 6/2014 Leonhardt F16M 11/10
403/114
8,936,223 B1 * 1/2015 McGrath F16C 11/103
248/220.21
9,121,436 B2 9/2015 Hahner
9,791,097 B2 10/2017 Bowman et al.
D863,936 S * 10/2019 Pratt D8/349
D885,866 S * 6/2020 Chapman D8/349
D885,867 S * 6/2020 Chapman D8/349
2006/0291951 A1 * 12/2006 Van Zile B25J 15/0052
403/54
2012/0043448 A1 * 2/2012 Liao F16M 11/2014
248/534
2012/0112022 A1 5/2012 Cheng
2013/0189019 A1 * 7/2013 Kotula F16M 11/048
403/84
2013/0228658 A1 * 9/2013 Leonhardt F16M 13/02
248/70
2015/0102187 A1 * 4/2015 Hennessey F16M 11/10
403/103
2018/0187828 A1 7/2018 Law et al.

* cited by examiner

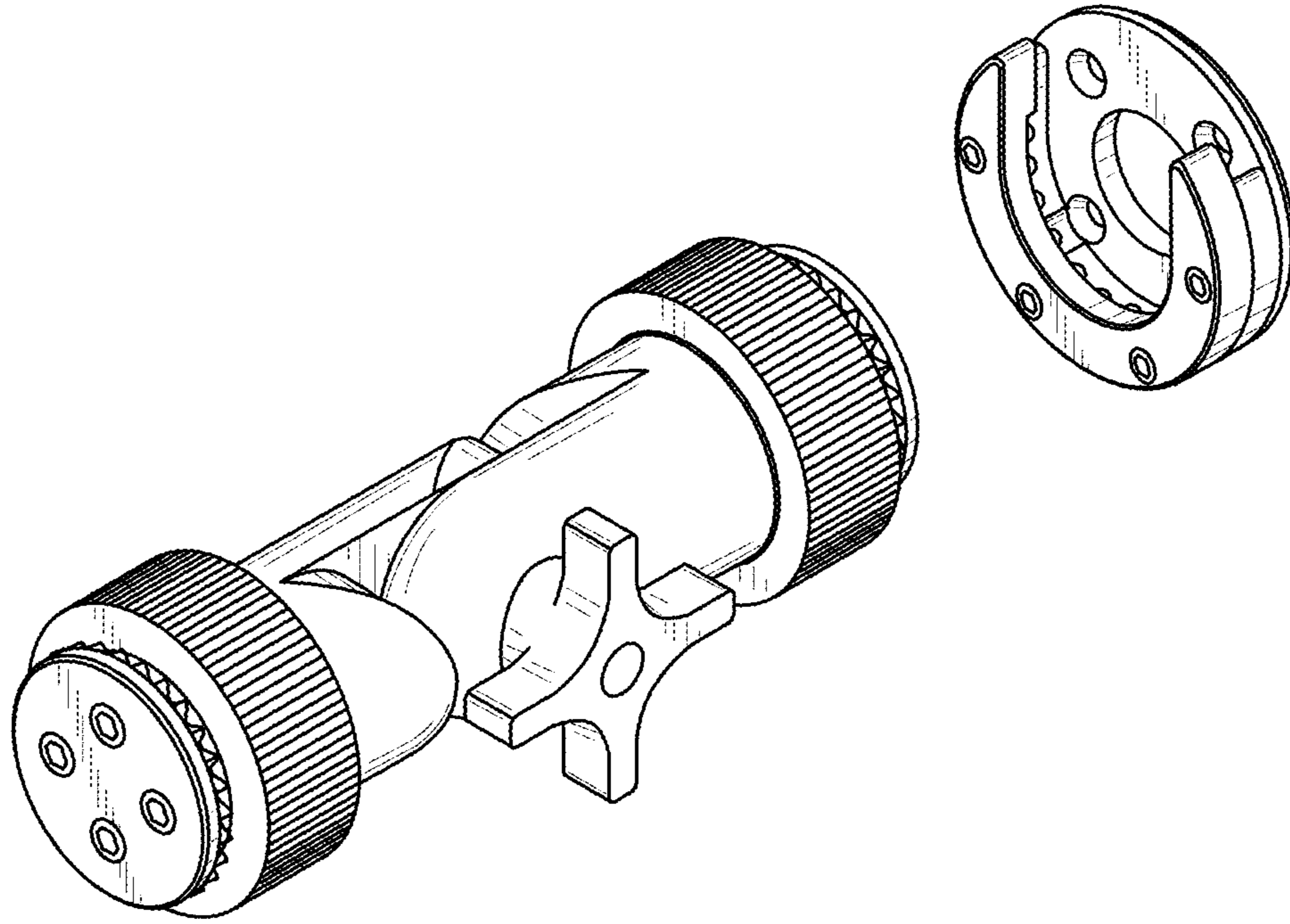


FIG. 1

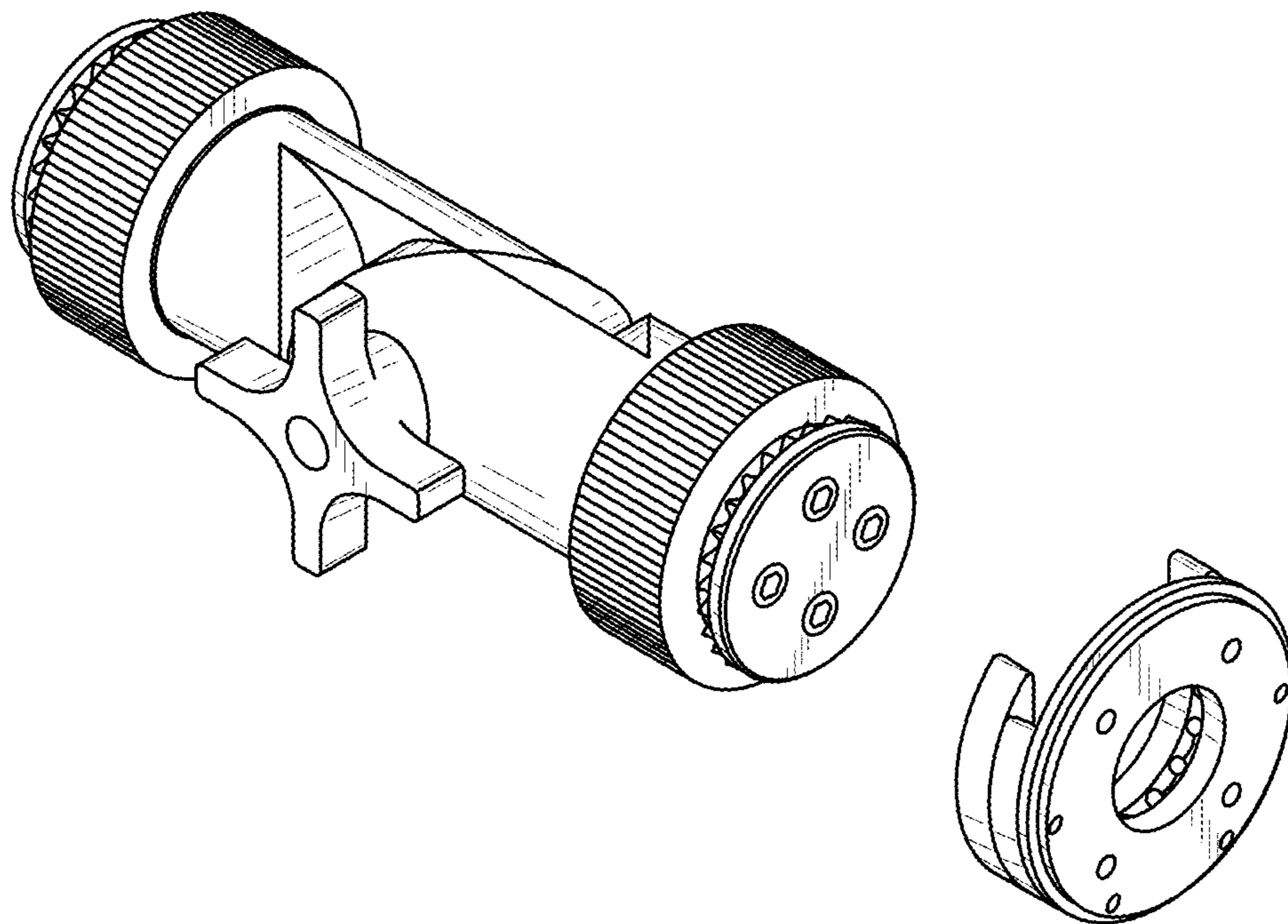


FIG. 2

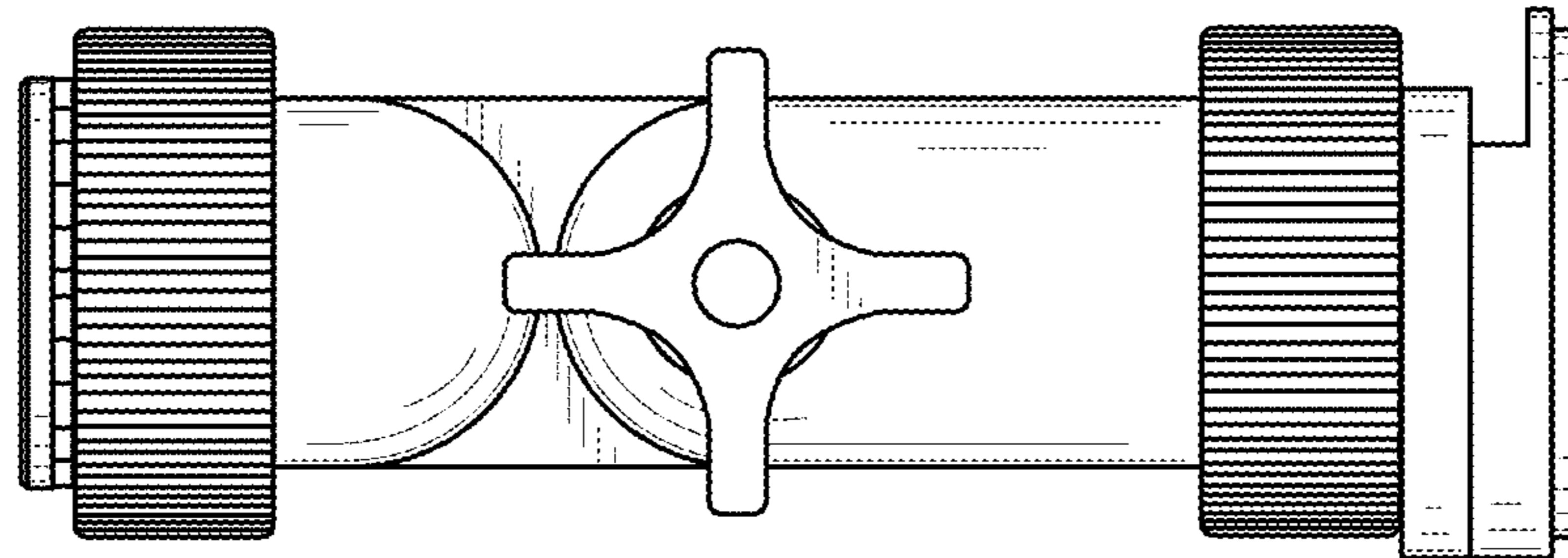


FIG. 3

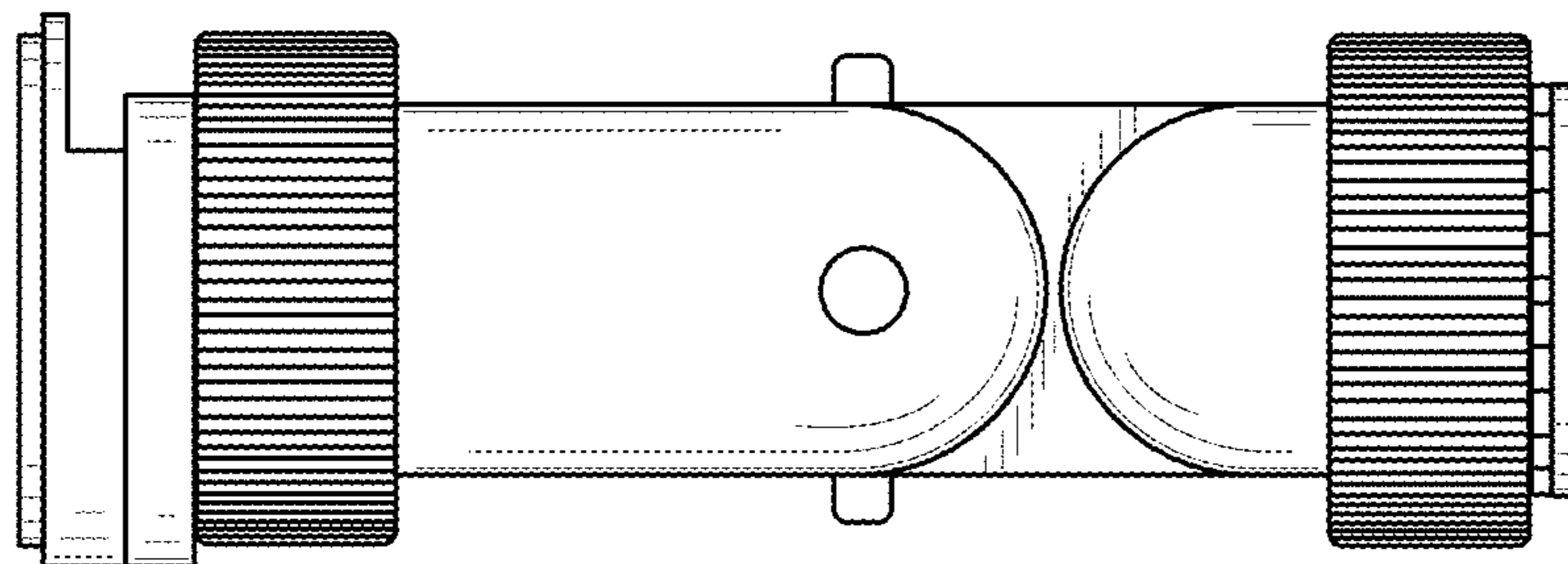


FIG. 4

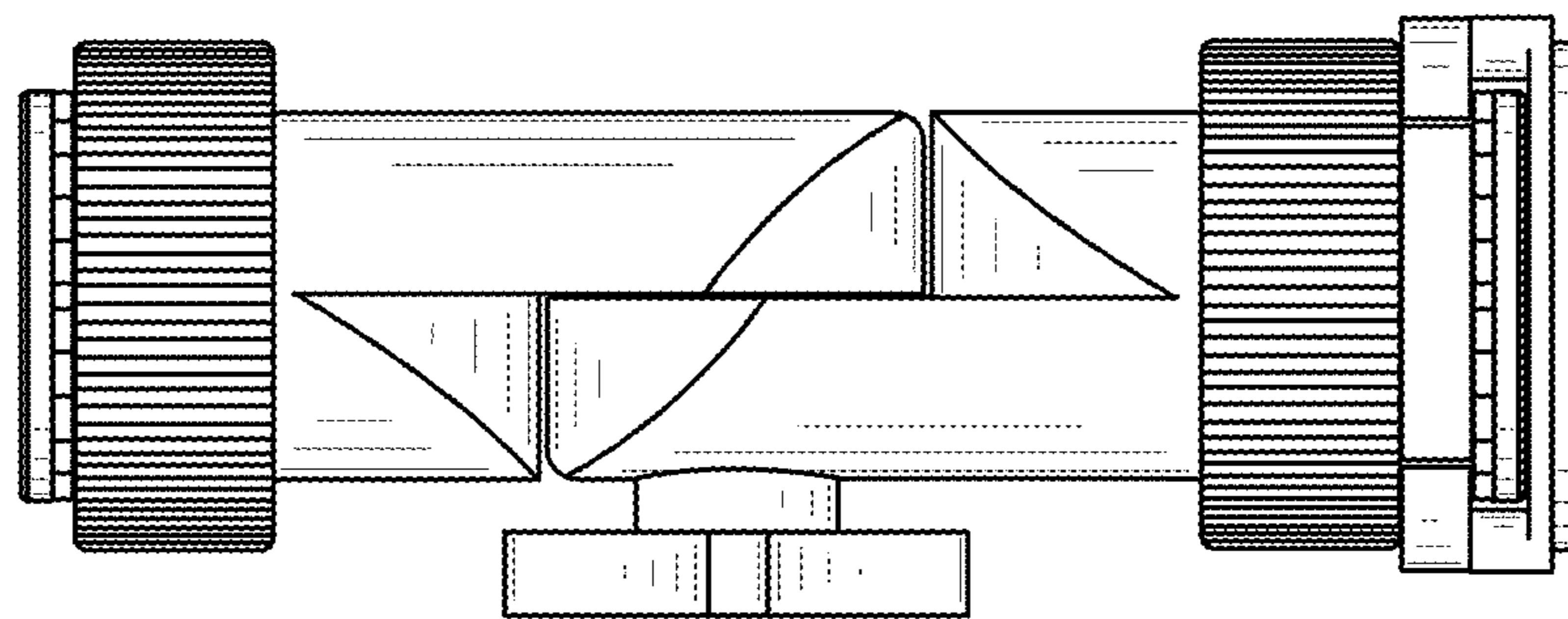


FIG. 5

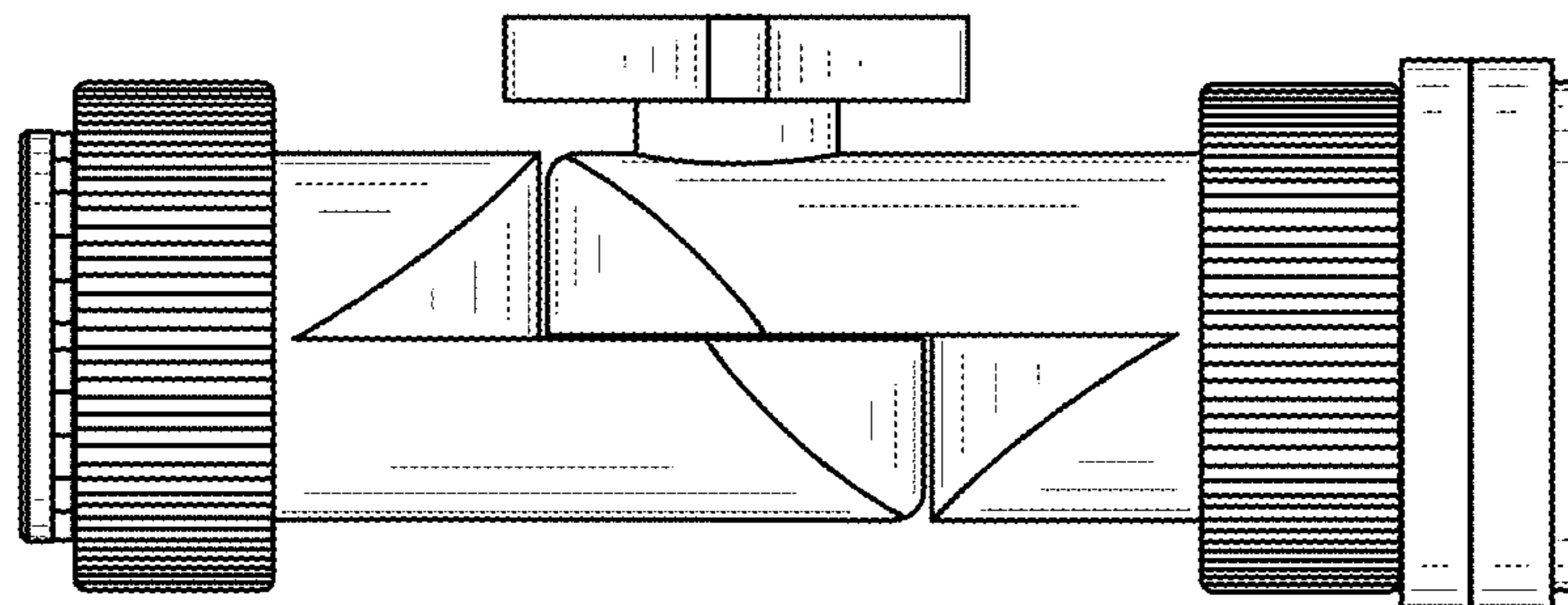


FIG. 6

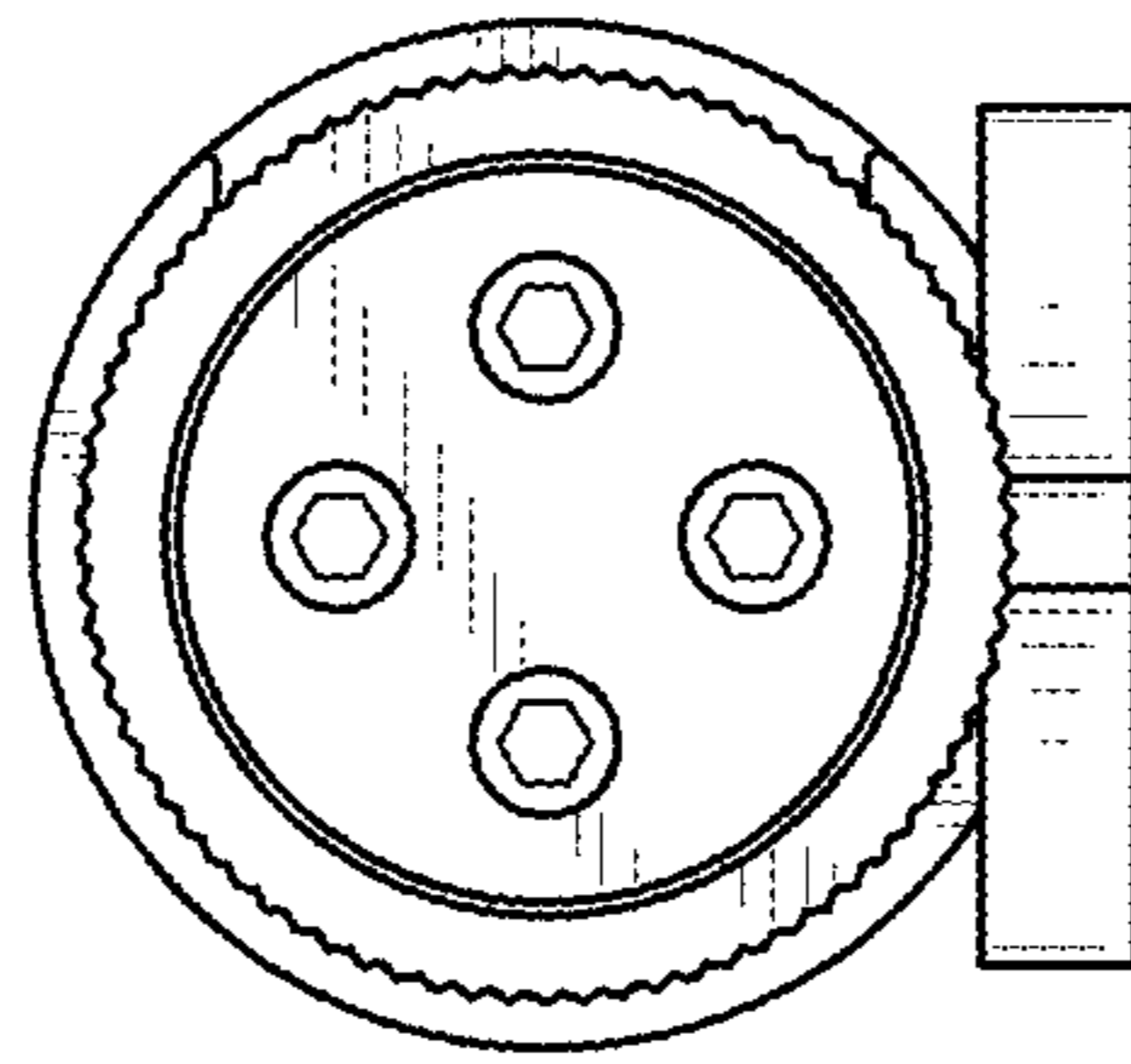


FIG. 7

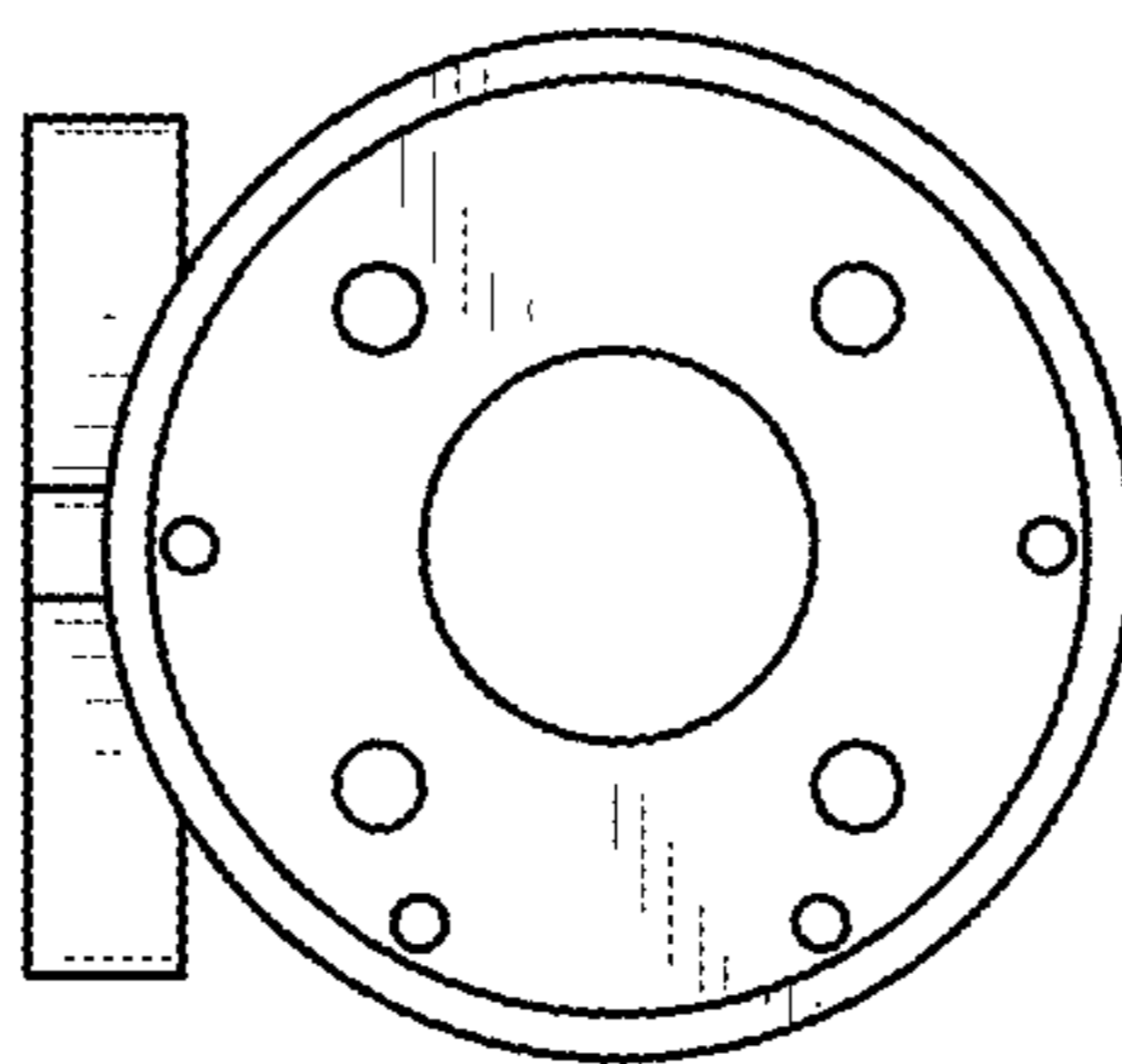


FIG. 8