

US00D854919S

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

(10) **Patent No.:** **US D854,919 S**
(45) **Date of Patent:** **** Jul. 30, 2019**

(54) **COMBINED ROTATABLE GATE VALVE
SHAFT WITH COUPLER**

(71) Applicant: **Gabriel T. Villanueva**, San Manuel, AZ
(US)

(72) Inventor: **Gabriel T. Villanueva**, San Manuel, AZ
(US)

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

(21) Appl. No.: **29/638,256**

(22) Filed: **Feb. 26, 2018**

Related U.S. Application Data

(63) Continuation-in-part of application No. 15/154,856,
filed on May 13, 2016, now abandoned.

(51) **LOC (11) Cl.** **08-08**

(52) **U.S. Cl.**
USPC **D8/387**

(58) **Field of Classification Search**
USPC D8/385, 387, 388, 394; D23/233, 244,
D23/249

CPC F16K 31/047; F16K 3/30; F16K 31/1225;
F16K 41/10; F16K 31/50; F16K 3/0254;
F16K 1/2268; F16K 41/046; F16K
37/0058; F16K 1/224; F16K 3/0209;
F16K 3/0281; Y10T 137/5762; Y10T
137/4336

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 377,611 A * 2/1888 Harley E05B 1/0015
16/444
- 2,000,853 A * 5/1935 Lange F16K 3/02
137/244
- 2,060,571 A * 11/1936 Hanson F16K 3/02
137/244

- 2,550,984 A * 5/1951 Ferguson F16K 3/0209
137/244
- 2,891,762 A * 6/1959 Kellogg F16K 3/0281
251/214
- 2,936,667 A * 5/1960 Thorberg F16B 35/06
411/393
- 3,033,517 A * 5/1962 Rovang F16K 3/0281
251/214
- 3,710,816 A * 1/1973 Prince F16K 3/0281
137/242

(Continued)

Primary Examiner — Sandra S Snapp

Assistant Examiner — Ieisha N Price

(74) *Attorney, Agent, or Firm* — Marc Vincent Loen;
Eugene Vamos

(57) **CLAIM**

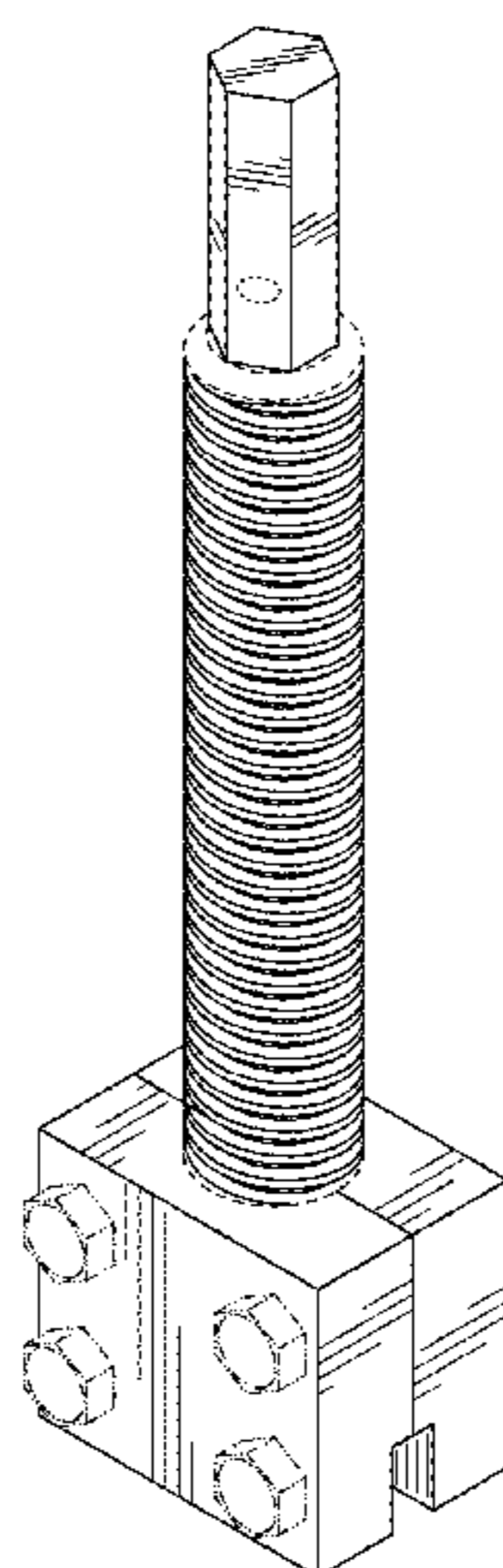
The ornamental design for a combined rotatable gate valve shaft with coupler, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a combined rotatable gate valve shaft with coupler; the back view being a mirror image; FIG. 2 is a left side view thereof, the right side view being a mirror image; FIG. 3 is a top view thereof; FIG. 4 is a bottom view thereof; FIG. 5 is an isometric view thereof; and, FIG. 6 is a front view thereof in a condition of use.

The evenly segmented lines drawn in FIGS. 1-3, 5, and 6 are unclaimed transitional features adjacent to the threaded portion of the combined rotatable gate valve shaft with coupler. The dotted lines drawn in FIGS. 1, 5, and 6 are an unclaimed hole on the hex portion. The dash dot dot lines drawn in FIGS. 1-6 are unclaimed bolt heads on the coupler. The broken lines in FIG. 4 are unclaimed surface areas. The dash dot lines in FIG. 6 show environmental structure associated with the claimed invention in condition of use, and which forms no part of the claimed design.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | | | |
|----------------|---------|------------------|------------------------|-------------------|---------|-------------------|---------------------------|
| D256,947 S | 9/1980 | Terrazas | | D536,100 S | 1/2007 | Svedberg | |
| D265,174 S * | 6/1982 | Boyle | D8/387 | D631,736 S * | 2/2011 | You | F16B 37/045 D8/387 |
| D289,915 S | 5/1987 | Beltran | | D698,634 S * | 2/2014 | Oetlinger | D8/387 |
| 4,679,770 A * | 7/1987 | Liberman | F16K 3/0281 251/328 | D757,900 S * | 5/2016 | Yakushijin | D23/233 |
| D310,956 S * | 10/1990 | Huska | D8/387 | 2003/0062502 A1 * | 4/2003 | Knobbe | F16K 3/0254 251/326 |
| D318,316 S | 7/1991 | Hengesbach | | 2004/0217319 A1 * | 11/2004 | Reeves | F16K 3/0227 251/328 |
| 5,269,340 A * | 12/1993 | Drzewiecki | F16L 41/065 137/318 | 2005/0173667 A1 * | 8/2005 | Zheng | F16K 3/0254 251/282 |
| D353,147 S | 12/1994 | Bergman | | 2009/0232619 A1 * | 9/2009 | Baumgartner | F16B 25/0021 411/387.8 |
| D353,562 S | 12/1994 | Ewers | | 2010/0264350 A1 * | 10/2010 | Langmesser | F16K 3/0227 251/328 |
| 5,370,149 A * | 12/1994 | Clarkson | F16K 3/0281 137/375 | 2016/0138721 A1 * | 5/2016 | Burgess | F16K 3/02 251/14 |
| D426,766 S * | 6/2000 | Burchall | D8/387 | 2017/0016551 A1 * | 1/2017 | Villanueva | F16K 31/50 |
| D434,148 S | 11/2000 | Trocar | | 2018/0180186 A1 * | 6/2018 | Kim | F16K 3/312 |
| D446,219 S | 8/2001 | Miyoshi | | 2018/0281029 A1 * | 10/2018 | Maichel | F16K 43/001 |
| 6,422,535 B1 * | 7/2002 | Stone | F16K 3/0227 251/327 | | | | |
| D499,010 S * | 11/2004 | Velten | D8/387 | | | | |

* cited by examiner

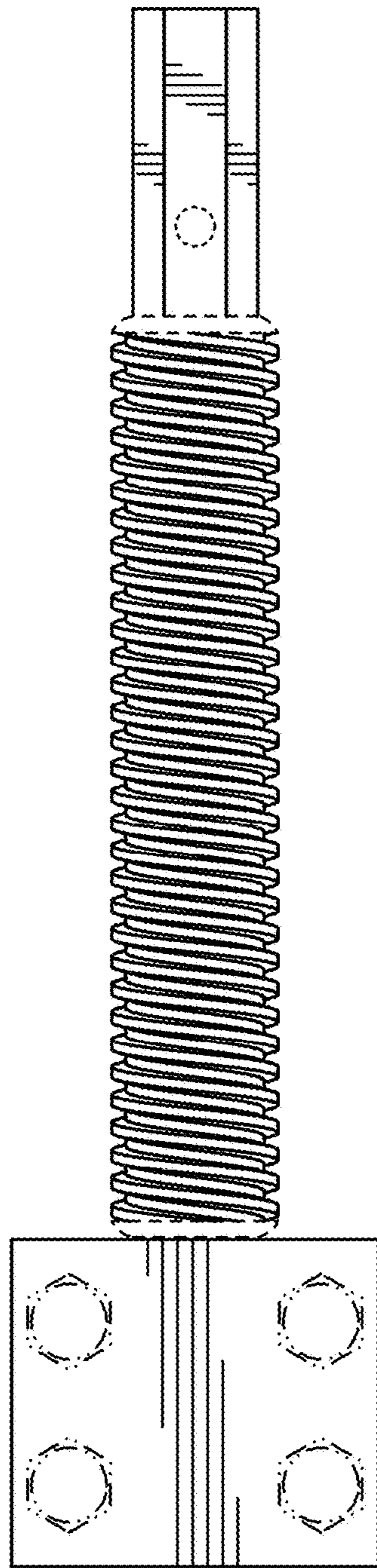


Fig. 1

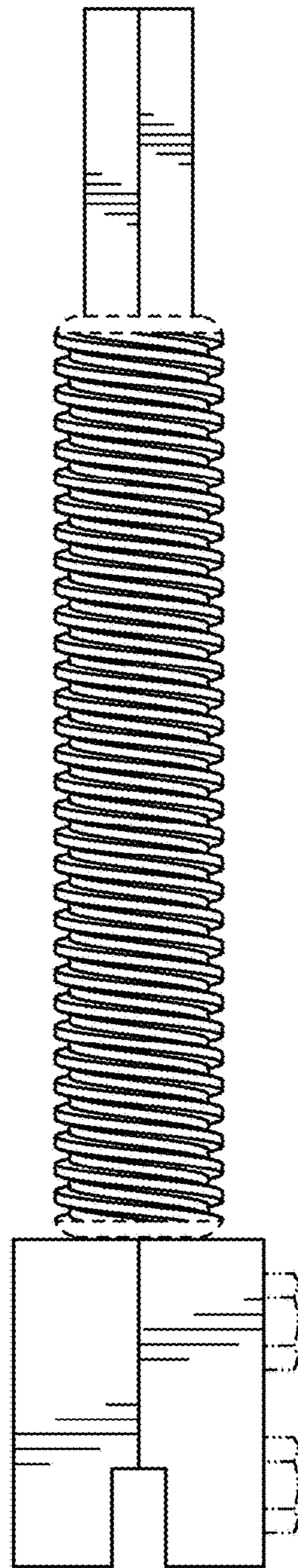


Fig. 2

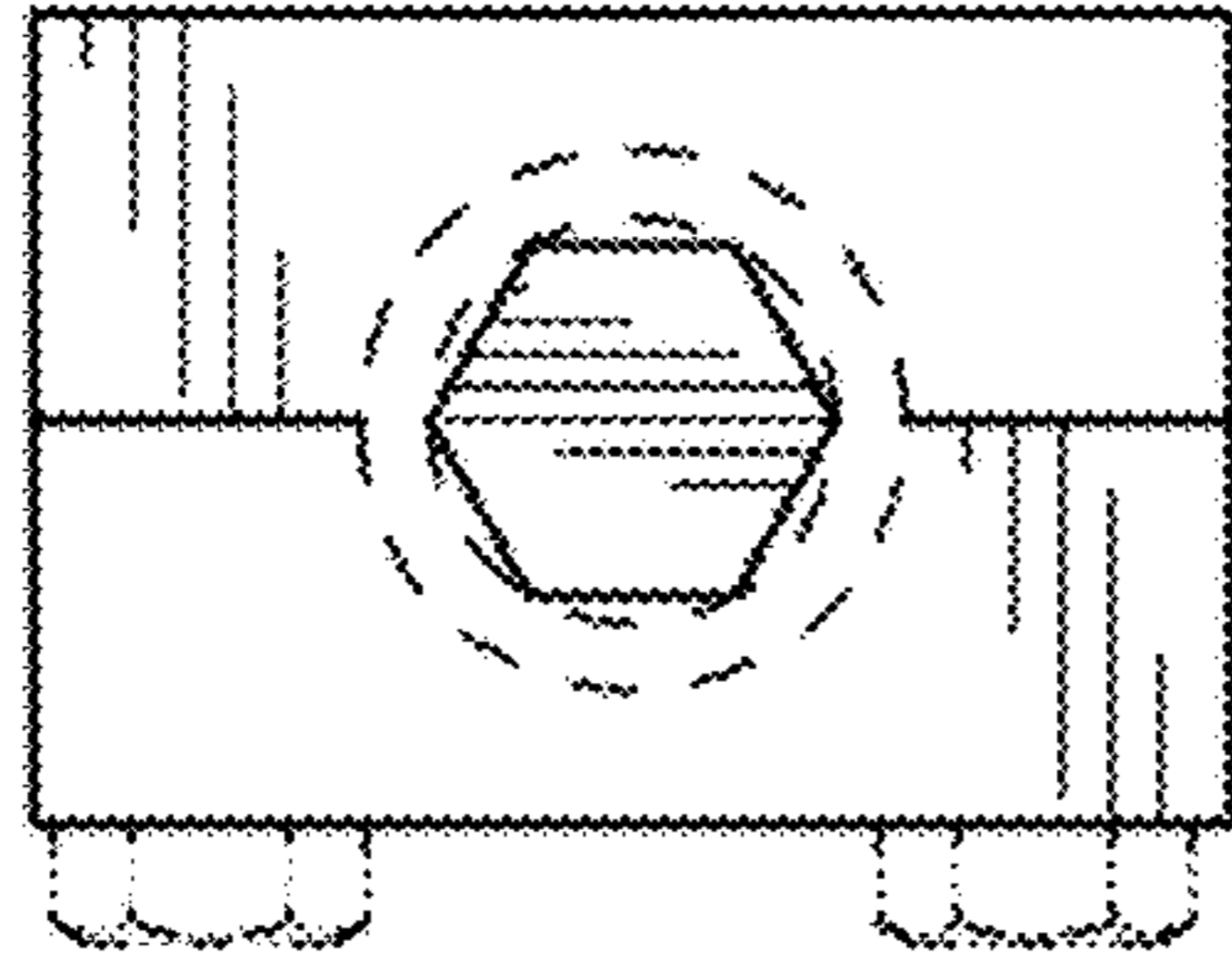


Fig. 3

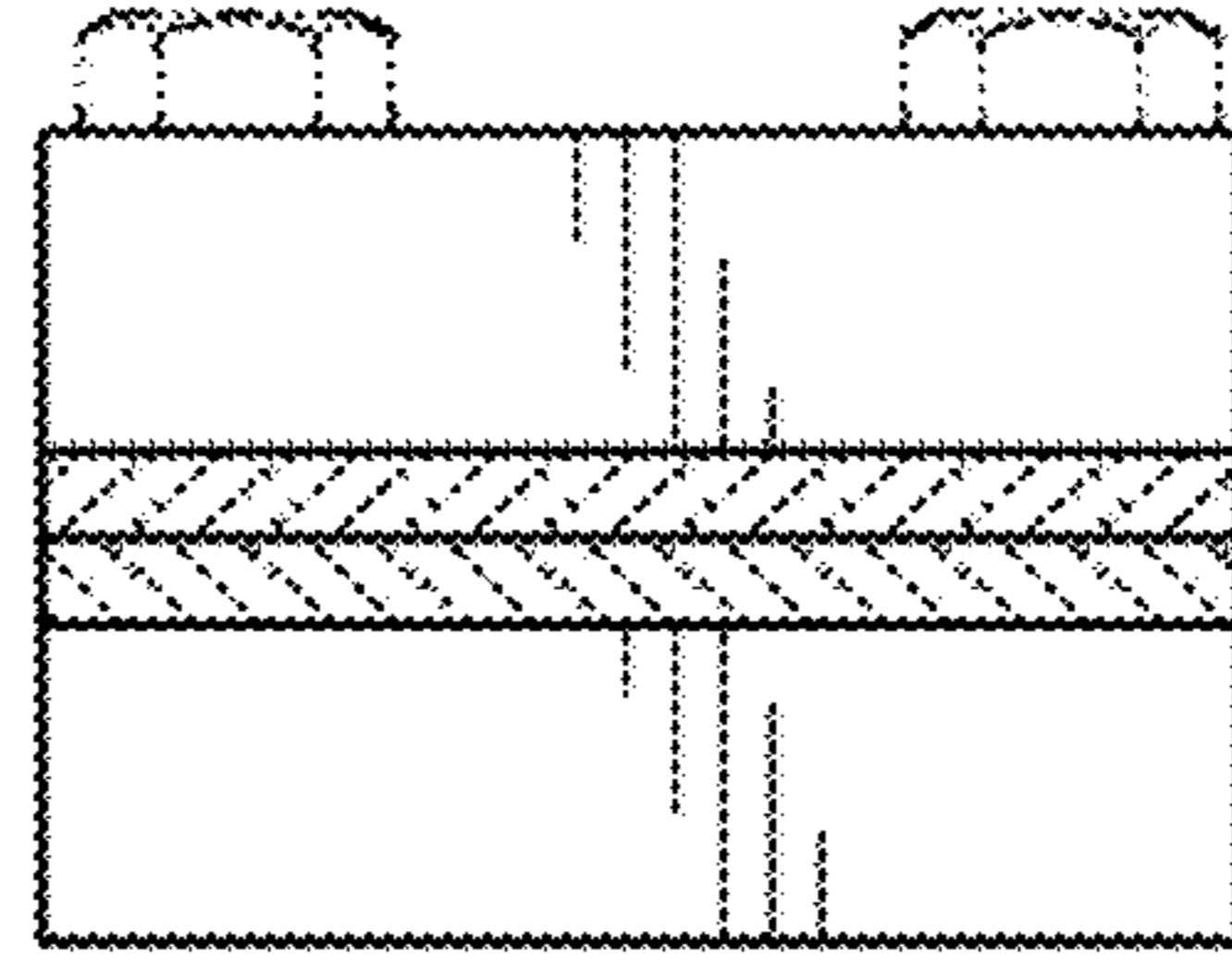


Fig. 4

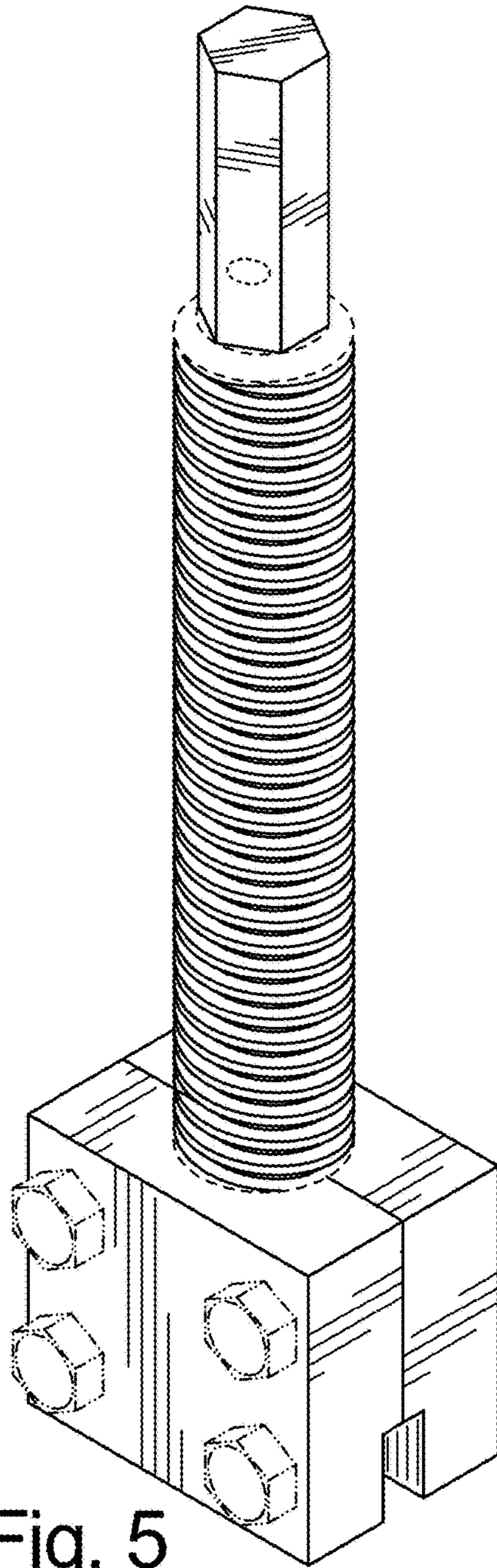


Fig. 5

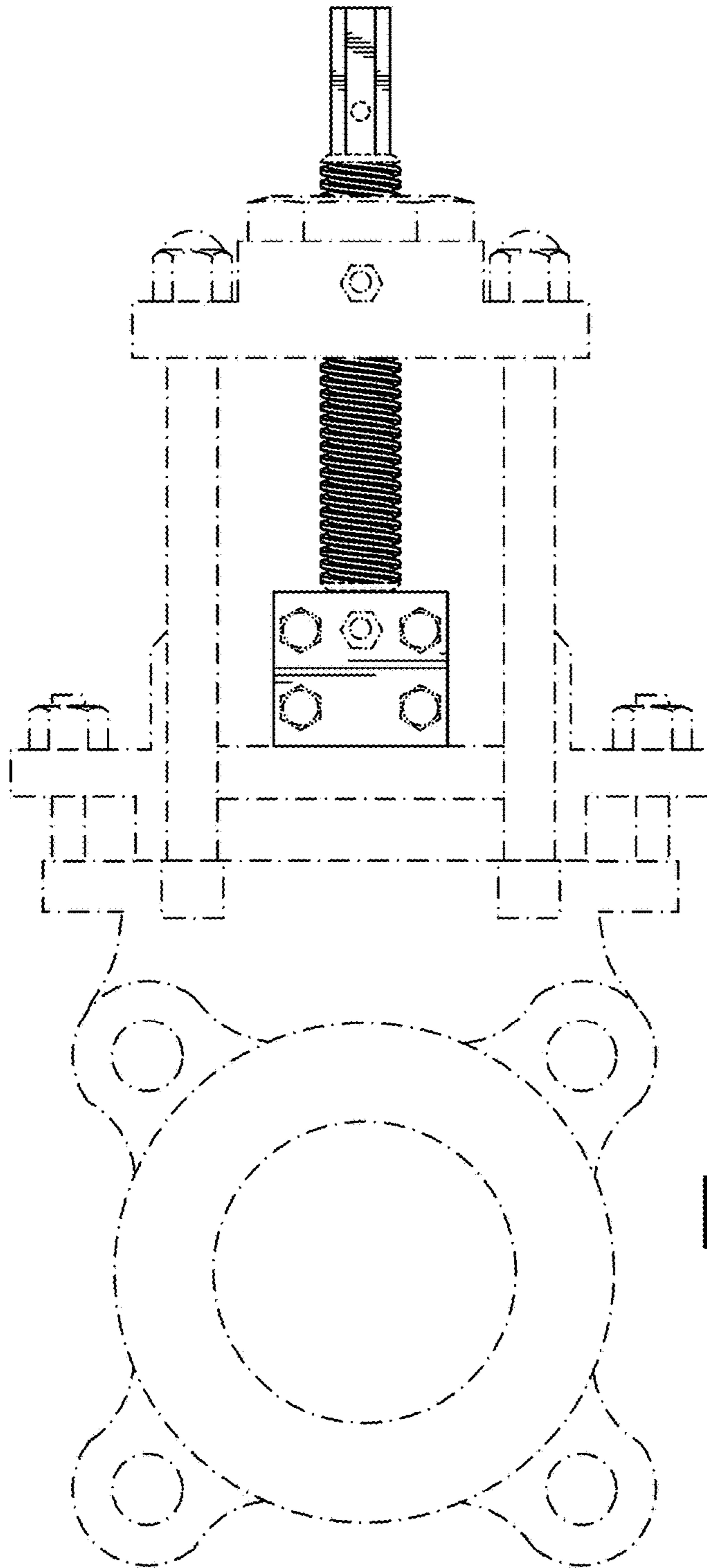


Fig. 6