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(12) **United States Design Patent** (10) **Patent No.:** **US D845,438 S**
Wintch et al. (45) **Date of Patent:** **** Apr. 9, 2019**

(54) **BI-VALVE** 6,779,560 B1 8/2004 Reis
7,255,131 B2 8/2007 Paper et al.
(71) Applicant: **OXYSWITCH, LLC**, Hurricane, UT (US) 7,849,877 B2* 12/2010 Tan F16K 11/0853
137/625.46

(Continued)

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FOREIGN PATENT DOCUMENTS

CN	202263277	6/2012
CN	103520818	1/2014
CN	103877657	6/2014

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OTHER PUBLICATIONS

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

U.S. Appl. No. 16/134,753, Jan. 14, 2019, Office Action.

(Continued)

(21) Appl. No.: **29/664,347**

Primary Examiner — Cynthia Ramirez

Assistant Examiner — Gino Colan

(22) Filed: **Sep. 24, 2018**

(74) *Attorney, Agent, or Firm* — Workman Nydegger

Related U.S. Application Data

(63) Continuation-in-part of application No. 16/134,753, filed on Sep. 18, 2018.

(51) **LOC (11) Cl.** **23-01**

(52) **U.S. Cl.**
USPC **D23/233; D24/110.6**

(58) **Field of Classification Search**
USPC D23/233, 235, 237, 241–249; 137/625, 137/875, 119.04, 597, 874
CPC F16K 11/07; F16K 11/16; F16K 3/26
See application file for complete search history.

(57) **CLAIM**

The ornamental design for a bi-valve, as shown and described.

DESCRIPTION

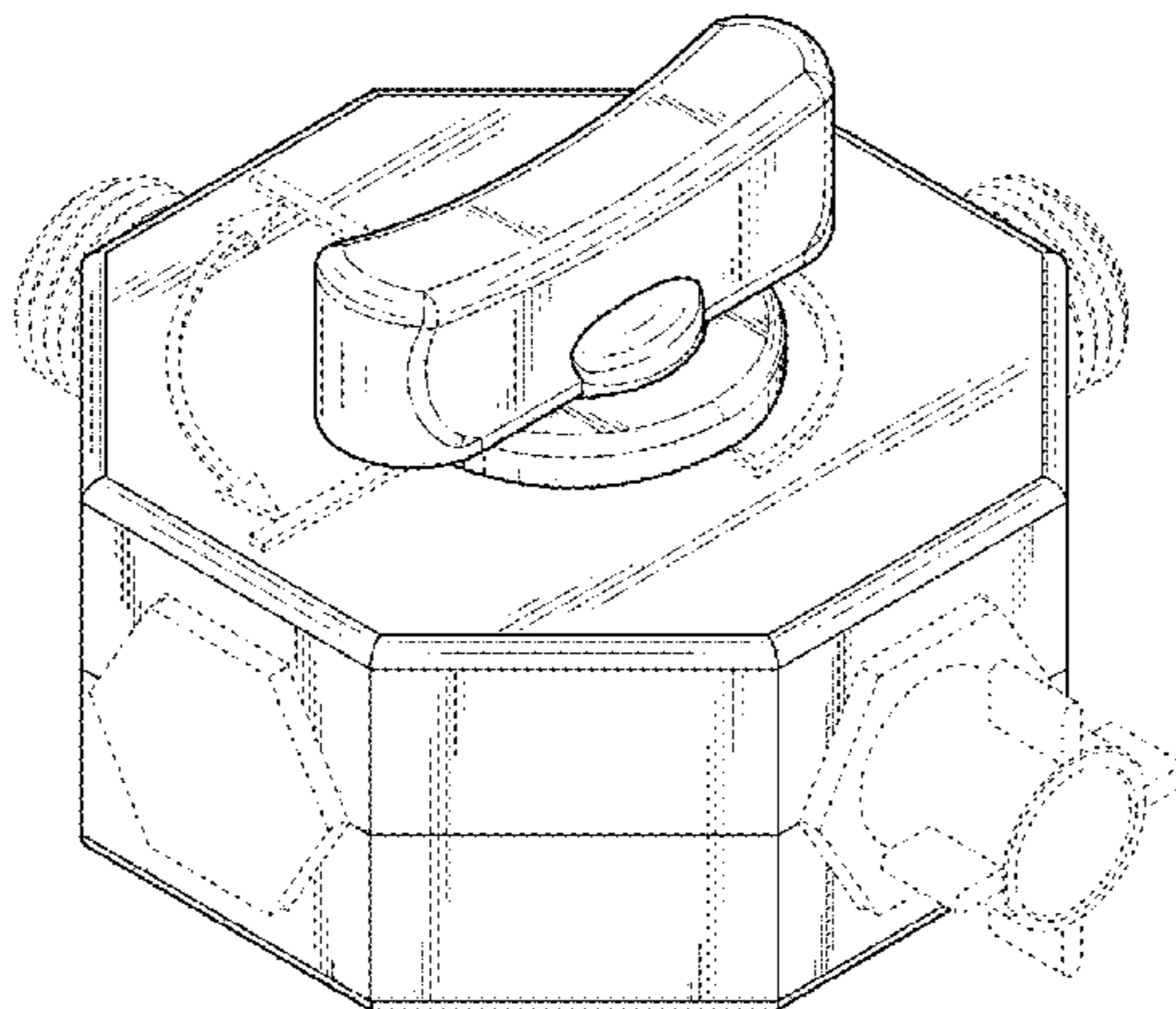
FIG. 1 is a top perspective view of a bi-valve according to the present invention.
FIG. 2 is a bottom perspective view of the bi-valve of FIG. 1.
FIG. 3 is a front elevation view of the bi-valve of FIG. 1.
FIG. 4 is a rear elevation view of the bi-valve of FIG. 1.
FIG. 5 is a right side elevation view of the bi-valve of FIG. 1.
FIG. 6 is a left side elevation view of the bi-valve of FIG. 1.
FIG. 7 is a top view of the bi-valve of FIG. 1; and, FIG. 8 is a bottom view of the bi-valve of FIG. 1.
The features of the illustrated bi-valve shown in broken lines are for illustrative purposes only, and do not form part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,334,658 A *	8/1967	Kaatz	F16K 11/056
				137/607
3,943,971 A	3/1976	Schmunk		
4,628,749 A	12/1986	Rafter		
D395,500 S *	6/1998	Ryder	D24/110.6
5,944,055 A	8/1999	Dicky		
5,988,220 A	11/1999	Sakaki		
6,622,933 B1	9/2003	Young et al.		

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D634,420 S * 3/2011 Hanada D23/233
D634,813 S * 3/2011 Hernandez, IV D23/233
D724,181 S * 3/2015 Condon D23/233
2005/0229934 A1 10/2005 Willeford
2008/0210309 A1* 9/2008 Tan F16K 11/0853
137/119.04
2010/0126598 A1* 5/2010 Peric F01P 7/14
137/468

OTHER PUBLICATIONS

“Flow Selector” Precision Medical Brochure, accessed Sep. 13, 2018.

“Flow Selector” Precision Medical, accessed Sep. 13, 2018; URL: <http://www.precisionmedical.com/hospitals/specialty-products/flow-selector>.

Instrumentation Industries, Inc., Oxygen (O2) Delivery Accessories, accessed Sep. 13, 2018; URL: <https://www.iiimedical.com/proddetail.php?prod=SC603-A>.

* cited by examiner

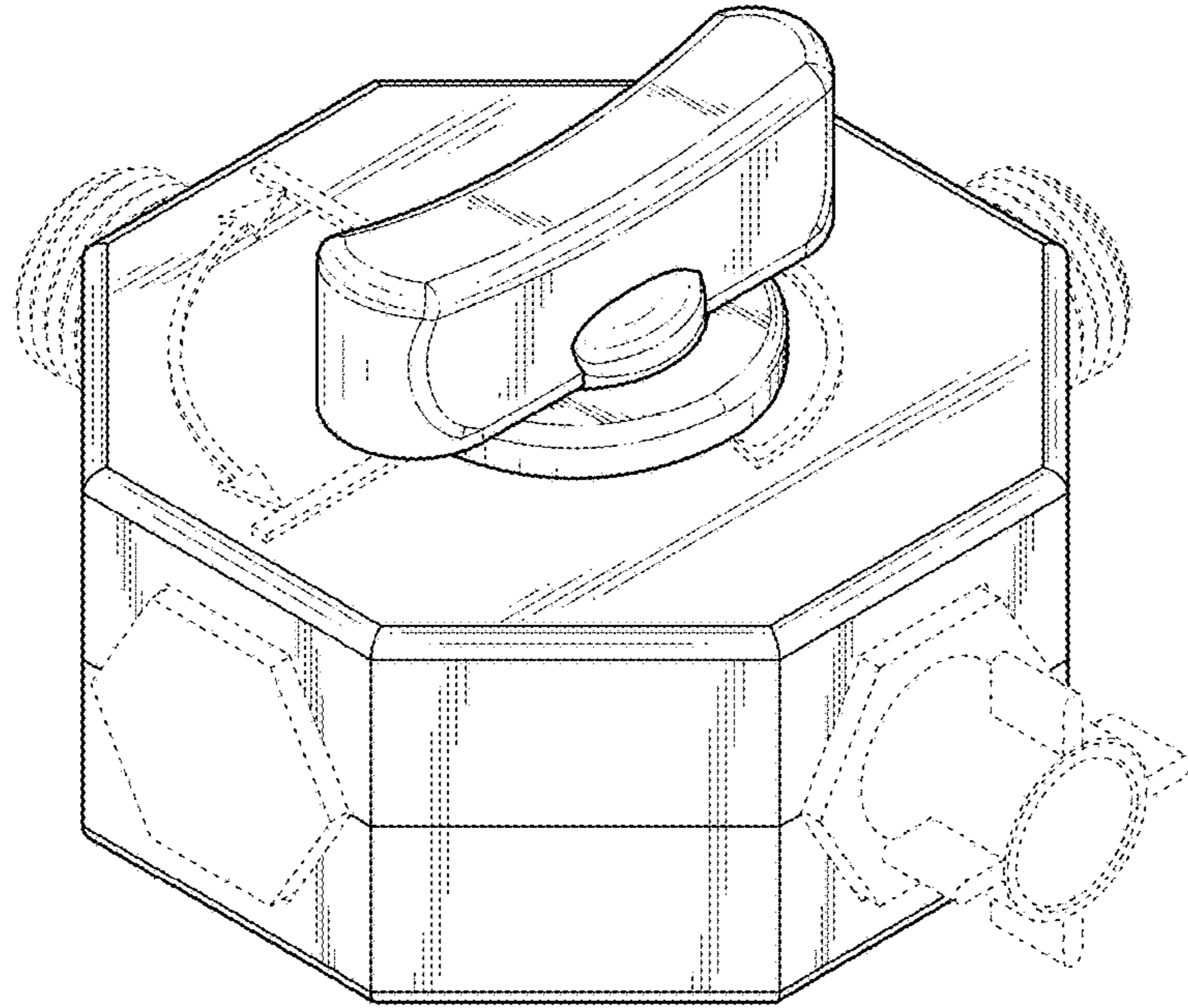


FIG. 1

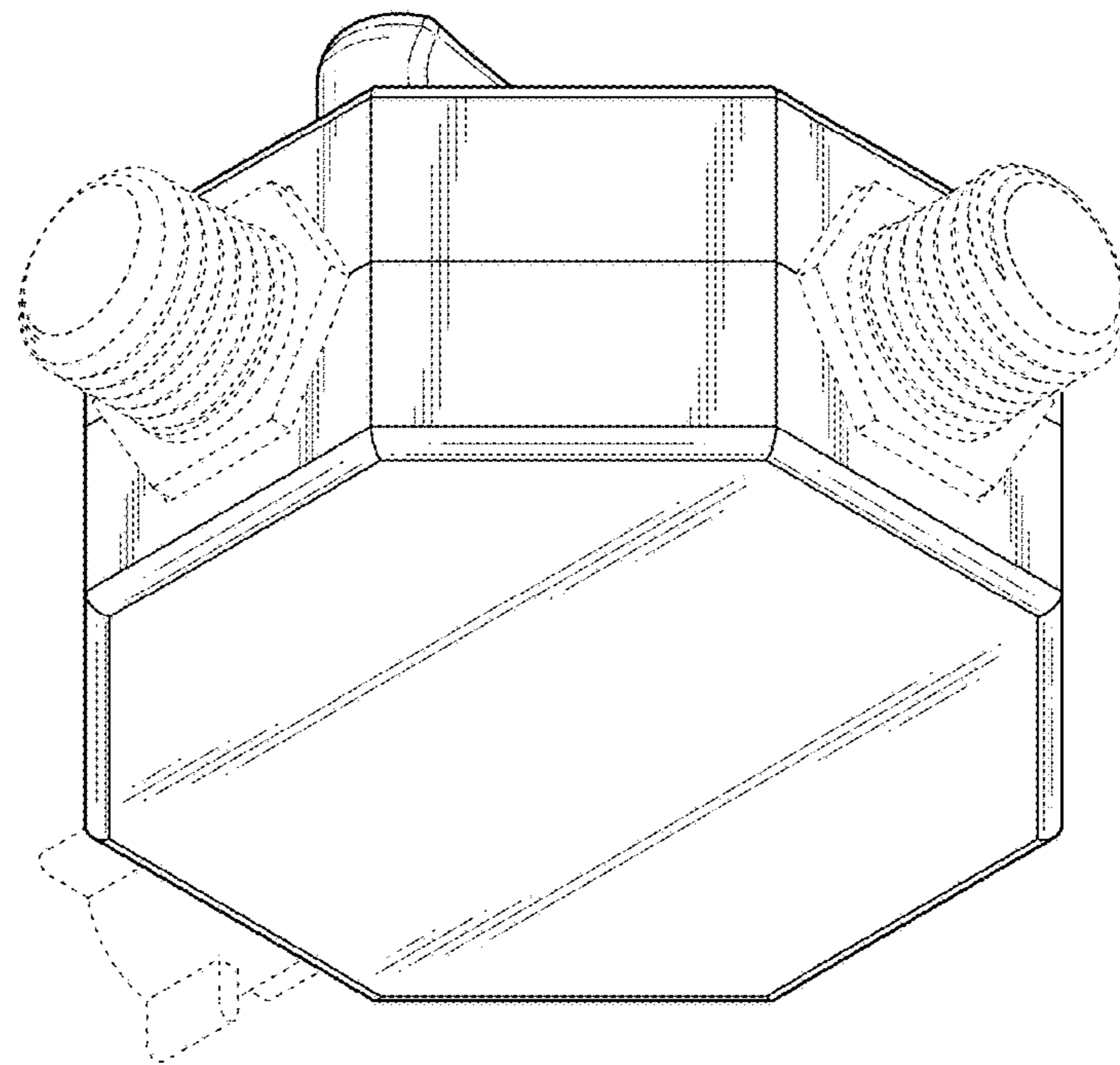


FIG. 2

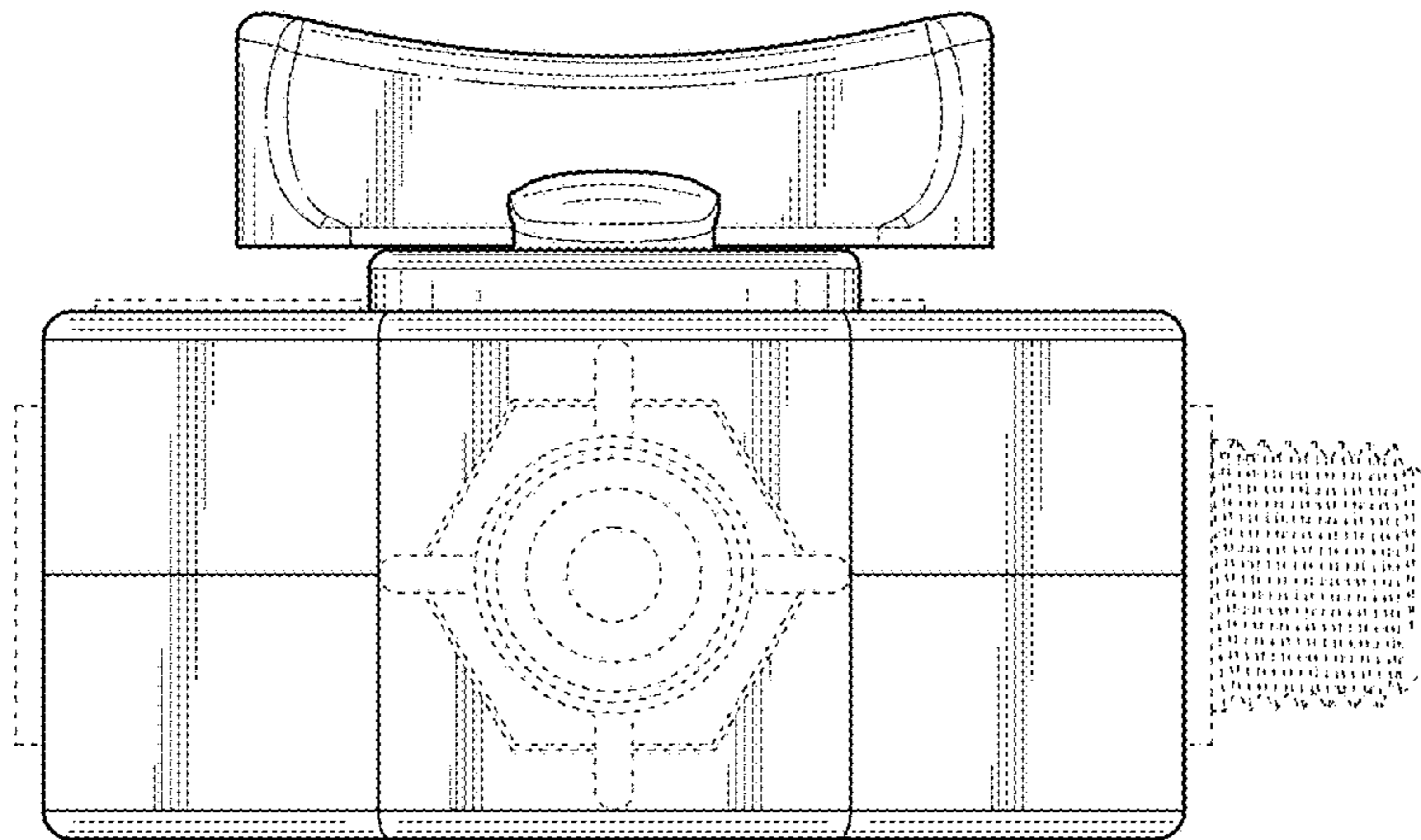


FIG. 3

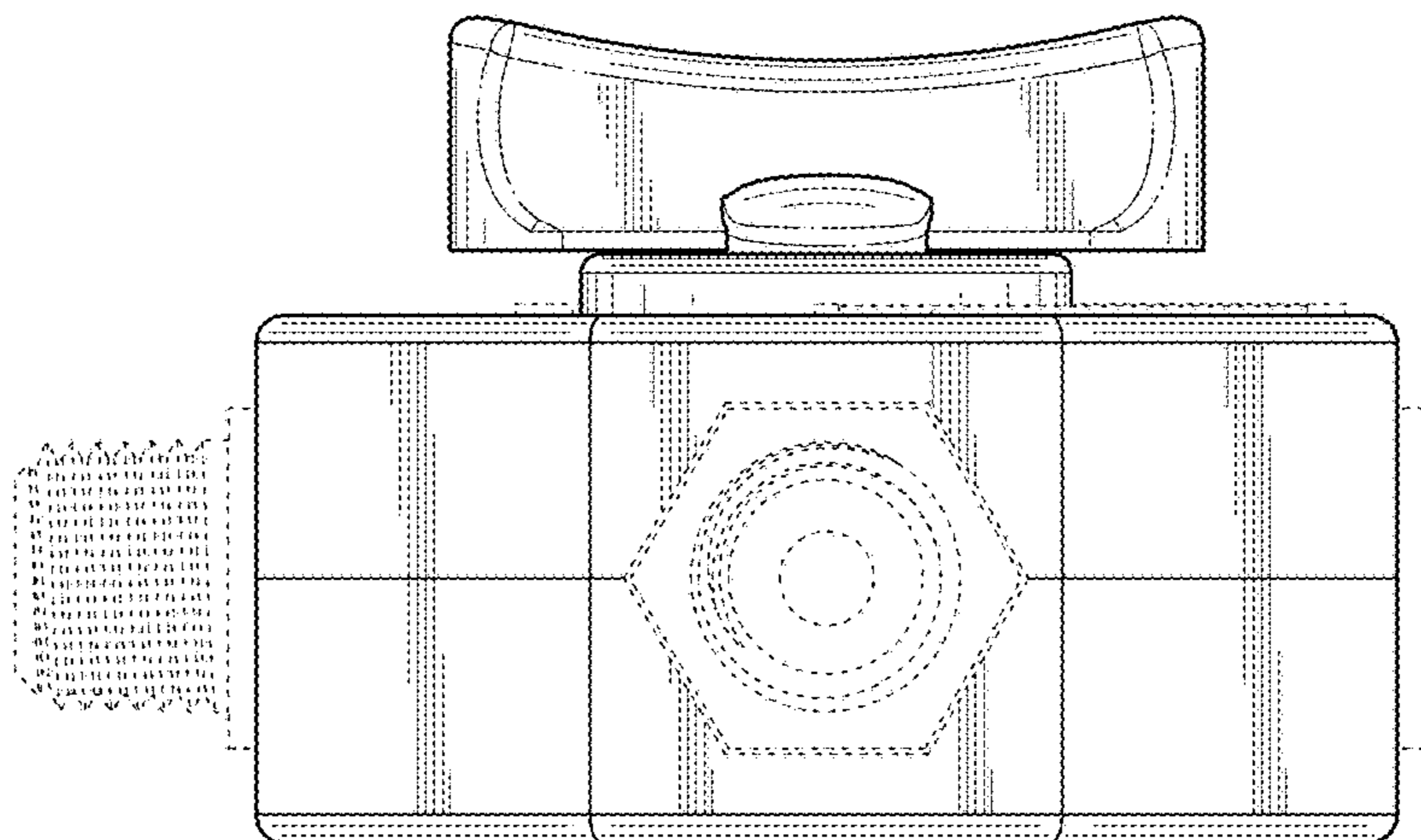


FIG. 4

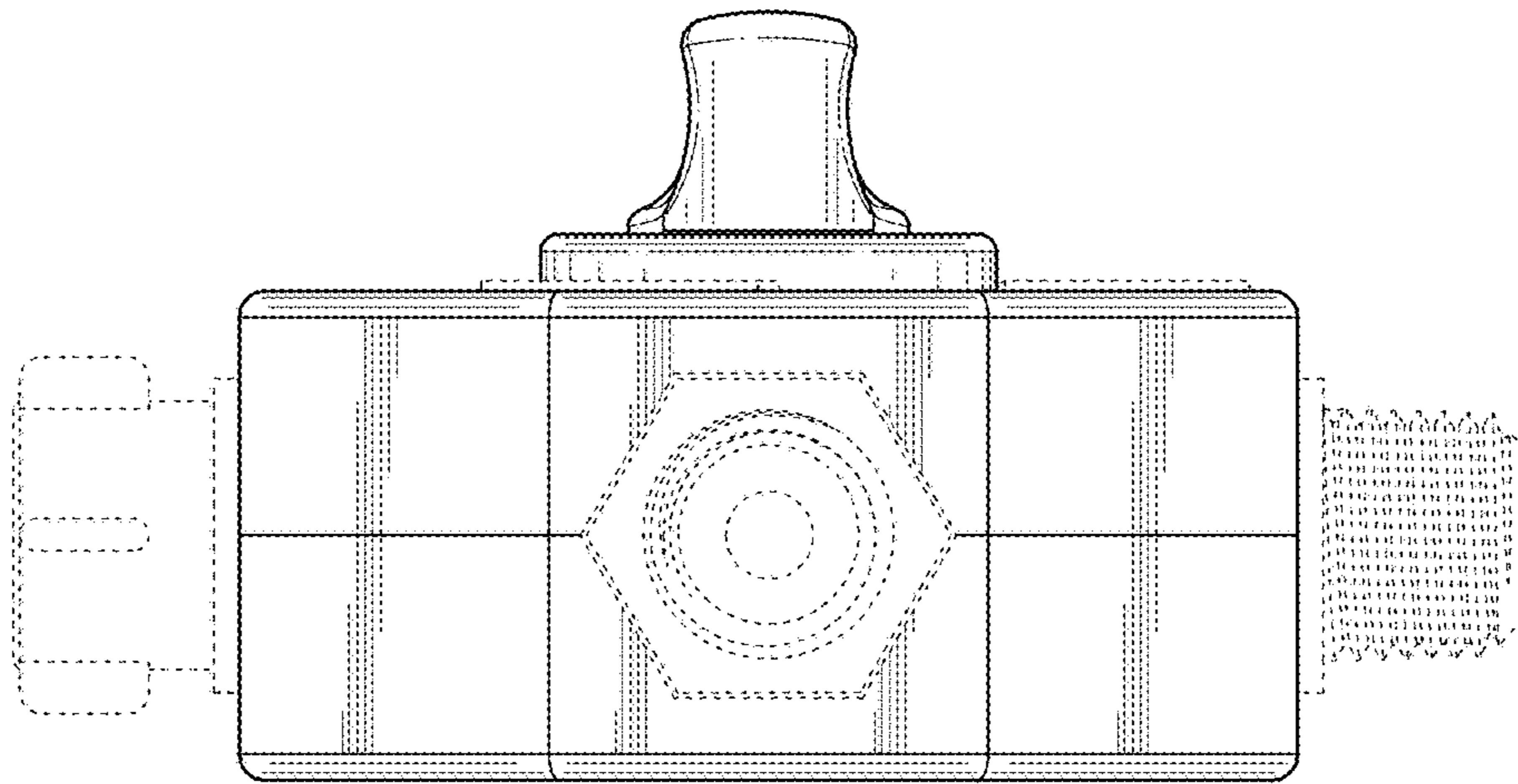


FIG. 5

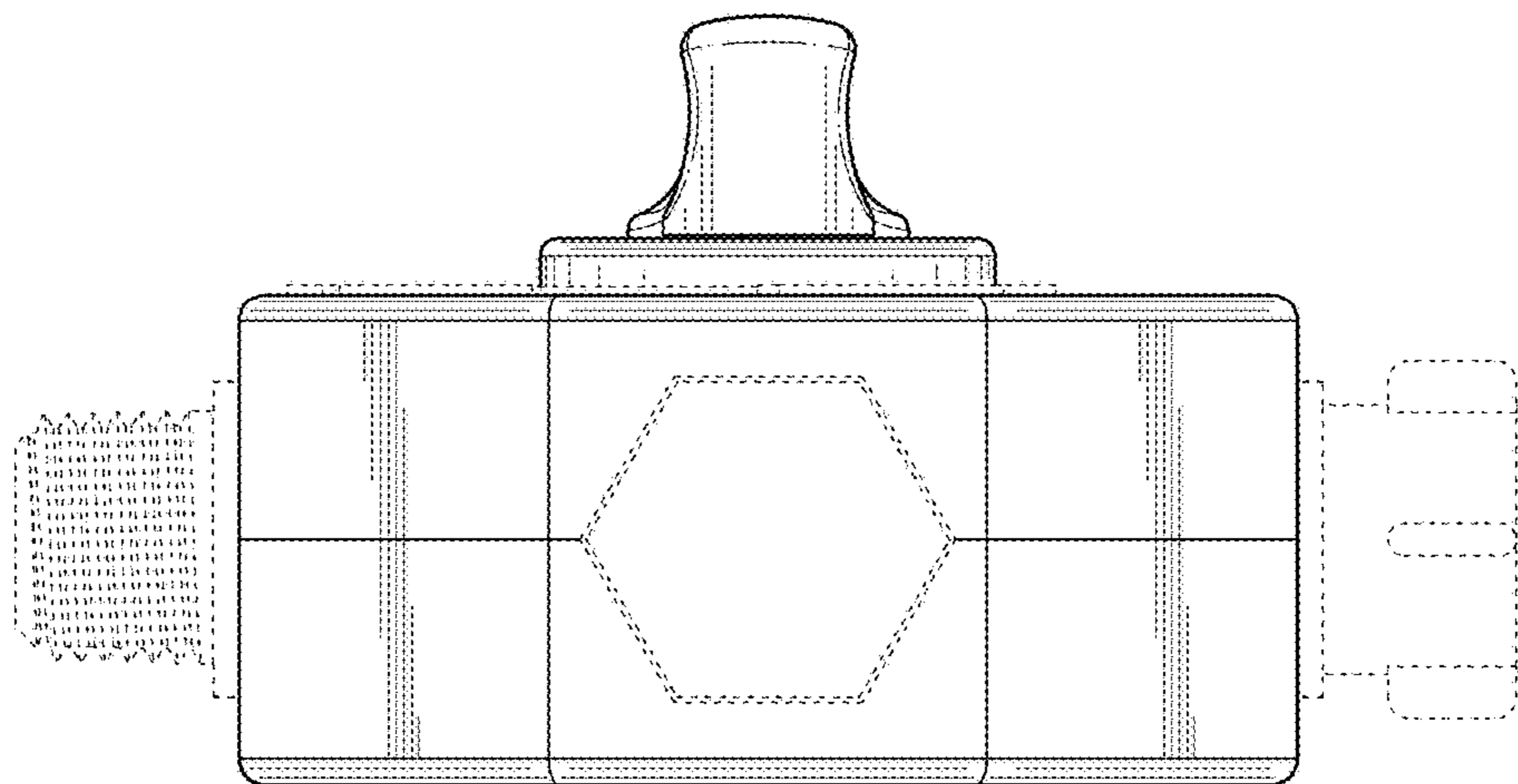


FIG. 6

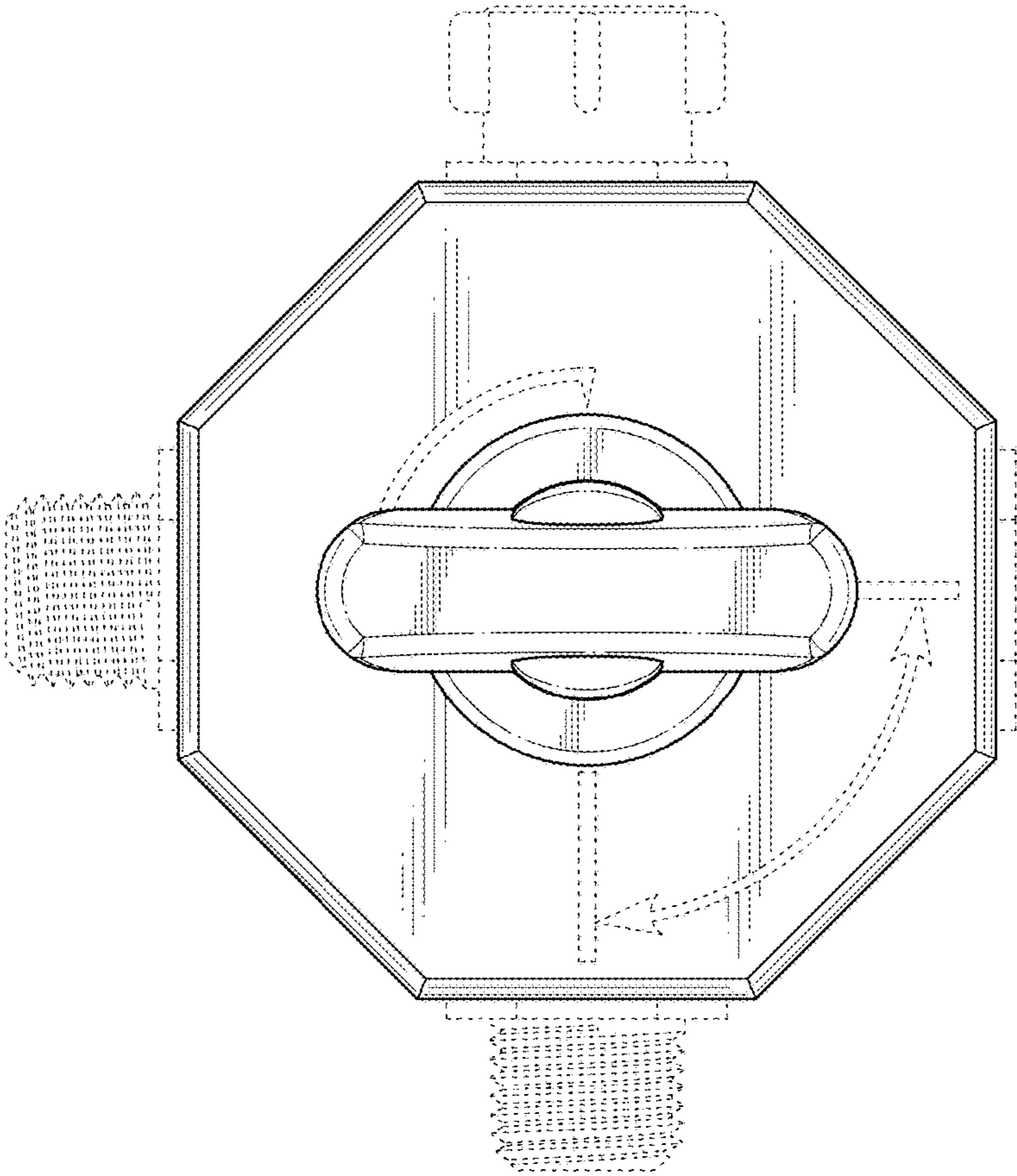


FIG. 7

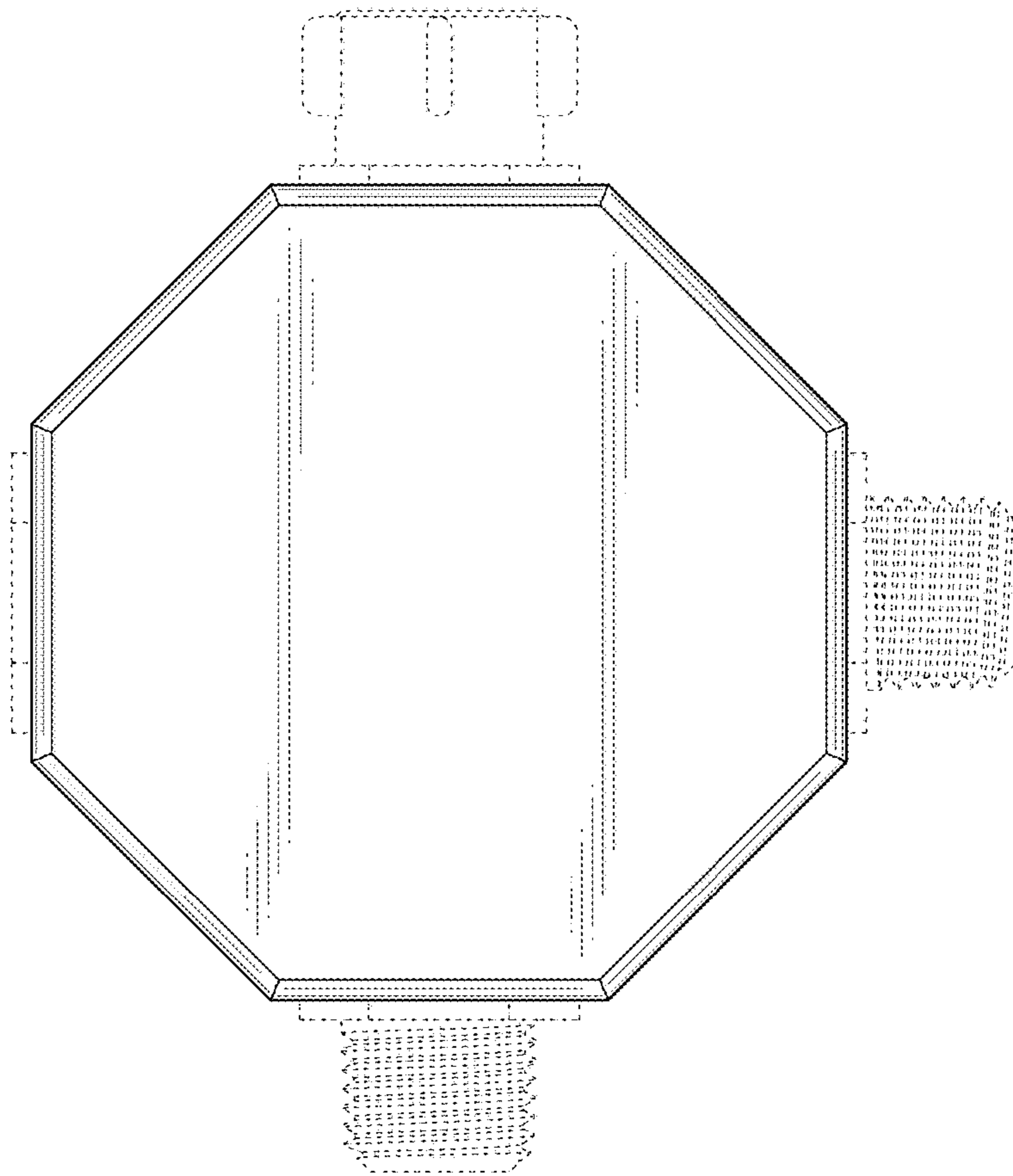


FIG. 8