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

(10) **Patent No.: US D1,103,340 S**
(45) **Date of Patent: ** Nov. 25, 2025**

(54) **FLUSH VALVE HOUSING**

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(72) Inventor: **Alexander Greenough**, Shanghai (CN)

(73) Assignee: **Kohler Co.**, Kohler, WI (US)

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

(21) Appl. No.: **29/887,454**

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(51) **LOC (15) Cl.** **23-01**

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

(58) **Field of Classification Search**
USPC D23/233, 234, 235, 236, 237, 249, 260, D23/345, 349

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,369,104 A 2/1945 Fredrickson
2,470,925 A 5/1949 Fredrickson

(Continued)

FOREIGN PATENT DOCUMENTS

CN 1396348 A 2/2003
CN 1609356 A 4/2005

(Continued)

OTHER PUBLICATIONS

"NPL.AmericanStandard" Feb. 23, 2017, Amazon.com, site visited Apr. 2, 2025: https://www.amazon.com/American-Standard-606B121-002-SELECTRONIC-Select/dp/B06XBNNRXS/ref=sr_ (Year: 2017).*

(Continued)

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(57) **CLAIM**

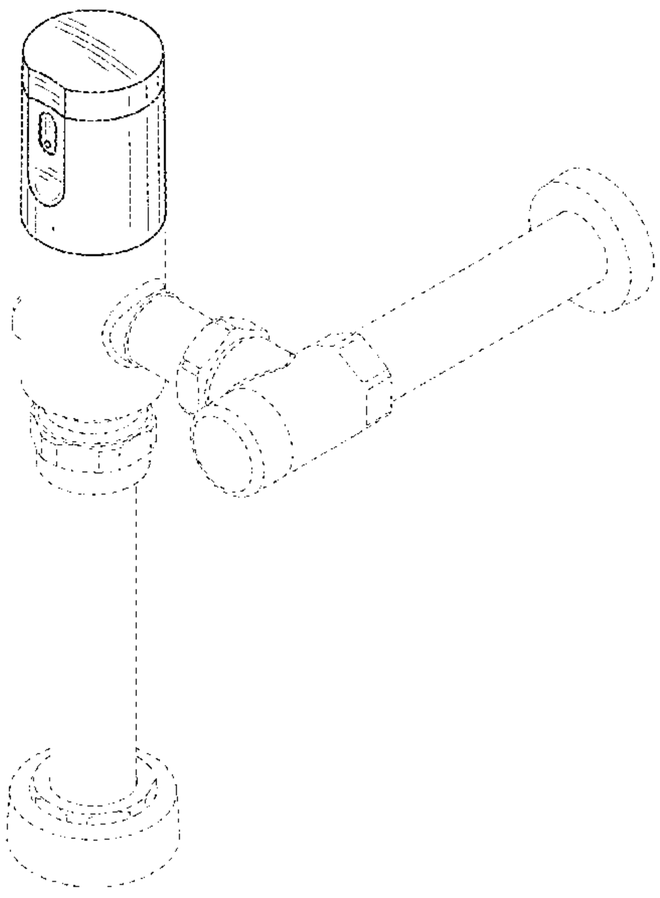
The ornamental design for a flush valve housing as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of an embodiment of the claimed design;
FIG. **2** is a front view of the embodiment of FIG. **1**;
FIG. **3** is a rear view of the embodiment of FIG. **1**;
FIG. **4** is a left side view of the embodiment of FIG. **1**;
FIG. **5** is a right side view of the embodiment of FIG. **1**;
FIG. **6** is a top view of the embodiment of FIG. **1**;
FIG. **7** is a bottom view of the embodiment of FIG. **1**;
FIG. **8** is a perspective view of another embodiment of the claimed design;
FIG. **9** is a front view of the embodiment of FIG. **8**;
FIG. **10** is a rear view of the embodiment of FIG. **8**;
FIG. **11** is a left side view of the embodiment of FIG. **8**;
FIG. **12** is a right side view of the embodiment of FIG. **8**;
FIG. **13** is a top view of the embodiment of FIG. **8**;
FIG. **14** is a bottom view of the embodiment of FIG. **8**;
FIG. **15** is a perspective view of an embodiment of the claimed design;
FIG. **16** is a front view of the embodiment of FIG. **15**;
FIG. **17** is a rear view of the embodiment of FIG. **15**;
FIG. **18** is a left side view of the embodiment of FIG. **15**;
FIG. **19** is a right side view of the embodiment of FIG. **15**;
FIG. **20** is a top view of the embodiment of FIG. **15**; and,
FIG. **21** is a bottom view of the embodiment of FIG. **15**.

The ornamental design which is claimed is shown in solid lines in the drawings. The broken lines in the drawings are for illustrative purposes only and form no part of the claimed design.

1 Claim, 12 Drawing Sheets



(58) **Field of Classification Search**
CPC E03D 1/34; E03D 5/00; E03D 5/09; E03D 5/10; E03D 5/105; E03D 3/02; E03D 3/06; F16K 31/047; F16K 31/06; F16K 31/18; F16K 31/385; F16K 31/3855; F16K 21/06; F16K 21/16
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,734,712	A		2/1956	Fraser
3,008,683	A		11/1961	Filliung et al.
4,034,423	A		7/1977	Milnes
4,793,588	A		12/1988	Laverty, Jr.
D327,116	S	*	6/1992	Prina D23/235
5,169,118	A		12/1992	Whiteside
D341,741	S	*	11/1993	Allen D6/542
D354,113	S	*	1/1995	Nortier D23/233
D367,103	S	*	2/1996	Lobermeier D23/235
5,663,007	A		9/1997	Ikoma et al.
D393,898	S	*	4/1998	Gottwald D23/303
5,881,993	A		3/1999	Wilson et al.
5,979,482	A		11/1999	Scott
6,000,674	A		12/1999	Cheng
6,019,343	A		2/2000	Tsai
6,041,809	A		3/2000	Johnson
6,046,300	A		4/2000	Umetsu et al.
6,056,261	A		5/2000	Aparicio et al.
6,349,921	B1		2/2002	Jahrling
6,460,825	B1		10/2002	Nortier et al.
6,616,119	B2		9/2003	Wilson
D480,450	S	*	10/2003	Saadi D23/249
6,926,247	B2		8/2005	Nortier
D539,869	S	*	4/2007	Lopez D23/235
D573,694	S	*	7/2008	Funari D23/249
D598,974	S	*	8/2009	Parsons D23/233
D598,975	S	*	8/2009	Parsons D23/233
D598,976	S	*	8/2009	Parsons D23/233
D598,978	S	*	8/2009	Parsons D23/233
D599,435	S	*	9/2009	Parsons D23/233
D599,436	S	*	9/2009	Parsons D23/233
D599,437	S	*	9/2009	Parsons D23/233
D599,886	S	*	9/2009	Parsons D23/233
D600,318	S	*	9/2009	Parsons D23/233
D600,781	S	*	9/2009	Parsons D23/233
D600,782	S	*	9/2009	Parsons D23/233
D602,561	S	*	10/2009	Parsons D23/233
D627,037	S	*	11/2010	Glasser D23/250
D629,069	S	*	12/2010	Parsons D23/233
8,113,225	B2	*	2/2012	Funari E03D 3/06 4/305
D701,592	S	*	3/2014	Zhenqiang D23/238
8,826,932	B2		9/2014	Seal et al.
8,826,937	B2		9/2014	Stauder et al.
8,895,089	B2		11/2014	Sumida
D766,402	S	*	9/2016	Mangold D23/233
D778,180	S	*	2/2017	Mangold D10/49
D813,352	S	*	3/2018	Bennett D10/85
D835,242	S	*	12/2018	McLennan D23/249
D859,595	S	*	9/2019	Mangold D23/249
D883,444	S	*	5/2020	Block D23/249
D885,221	S	*	5/2020	Huang D10/101
10,689,837	B2		6/2020	Yee et al.
D988,162	S	*	6/2023	Vish D23/233
D1,016,220	S	*	2/2024	Song D23/235
2001/0020490	A1		9/2001	Lorenzelli et al.
2002/0017326	A1		2/2002	Lorenzelli et al.
2008/0199737	A1		8/2008	Kazaryan et al.
2008/0277612	A1	*	11/2008	Jacobs E03D 3/04 251/205
2010/0252759	A1	*	10/2010	Guler F16K 31/02 340/3.1
2011/0095214	A1	*	4/2011	Wang F16K 31/088 251/129.01
2011/0121213	A1	*	5/2011	Johnson E03D 3/02 251/30.03
2011/0189507	A1		8/2011	Reis et al.
2014/0053922	A1		2/2014	Wilson
2014/0117265	A1		5/2014	Cochart et al.
2016/0017584	A1	*	1/2016	Huang E03D 5/105 4/313
2016/0032572	A1	*	2/2016	Chen E03C 1/0403 29/402.03
2018/0195633	A1	*	7/2018	McLennan F16K 27/12
2019/0242105	A1	*	8/2019	Muellenbach E03D 11/02
2021/0372109	A1	*	12/2021	Boucher E03D 3/06
2024/0209610	A1	*	6/2024	Marinov E03D 5/09

FOREIGN PATENT DOCUMENTS

JP	D1277035	*	6/2006
WO	2011097196	A2	8/2011

OTHER PUBLICATIONS

"NPL.Zurn" Jan. 9, 2016, Amazon.com, site visited Apr. 2, 2025: https://www.amazon.com/Zurn-SENSOR-OPERATED-CLOSET-FLUSH/dp/B01MTRWEK0/ref=sr_ (Year: 2016).*
"NPL.Kohler" Feb. 27, 2008, Amazon.com, site visited Apr. 2, 2025: https://www.amazon.com/Kohler-K-10957-CP-Touchless-Flushometer-Polished/dp/B001U6EX2Y/ref=sr_ (Year: 2008).*

* cited by examiner

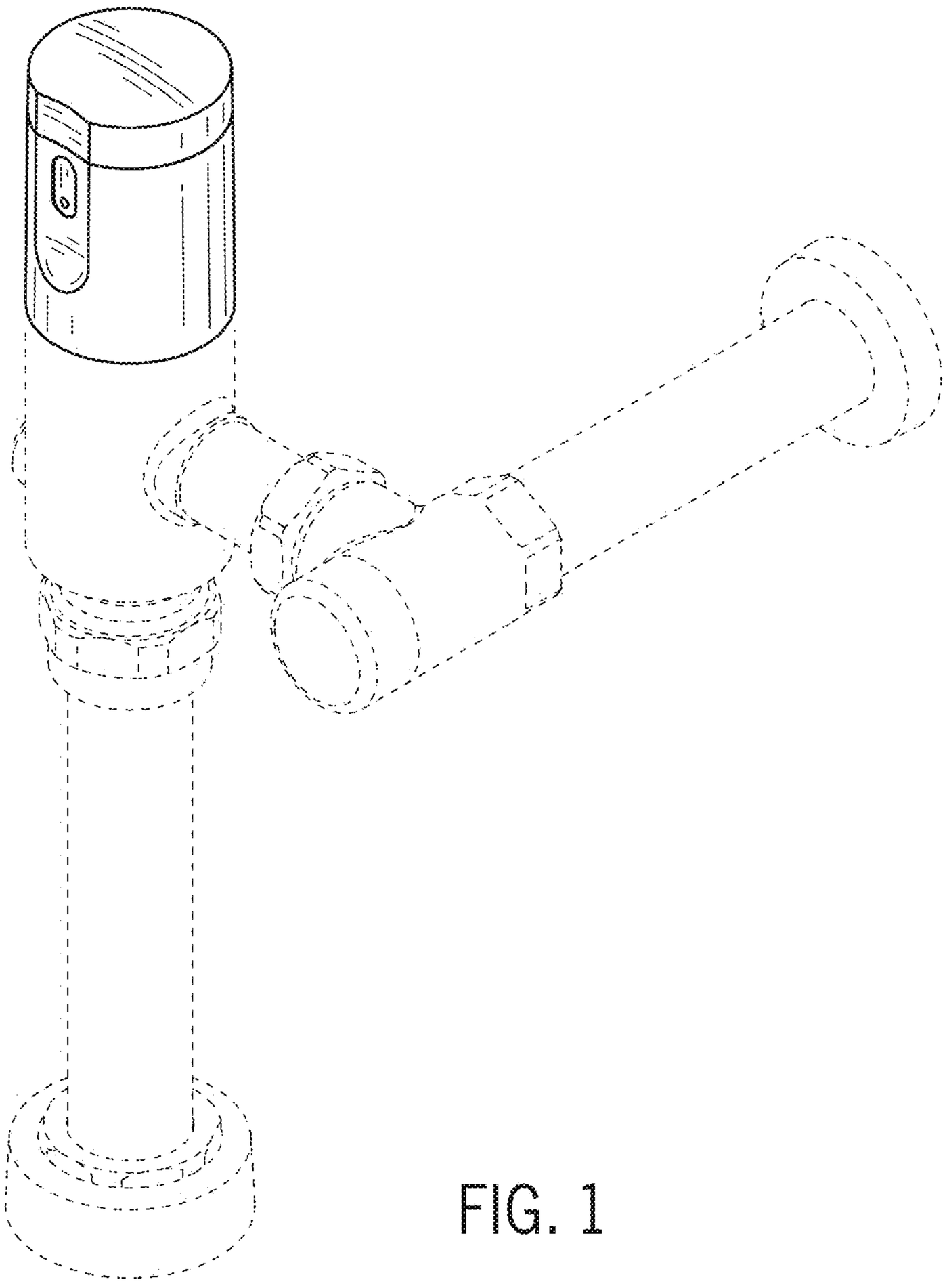


FIG. 1

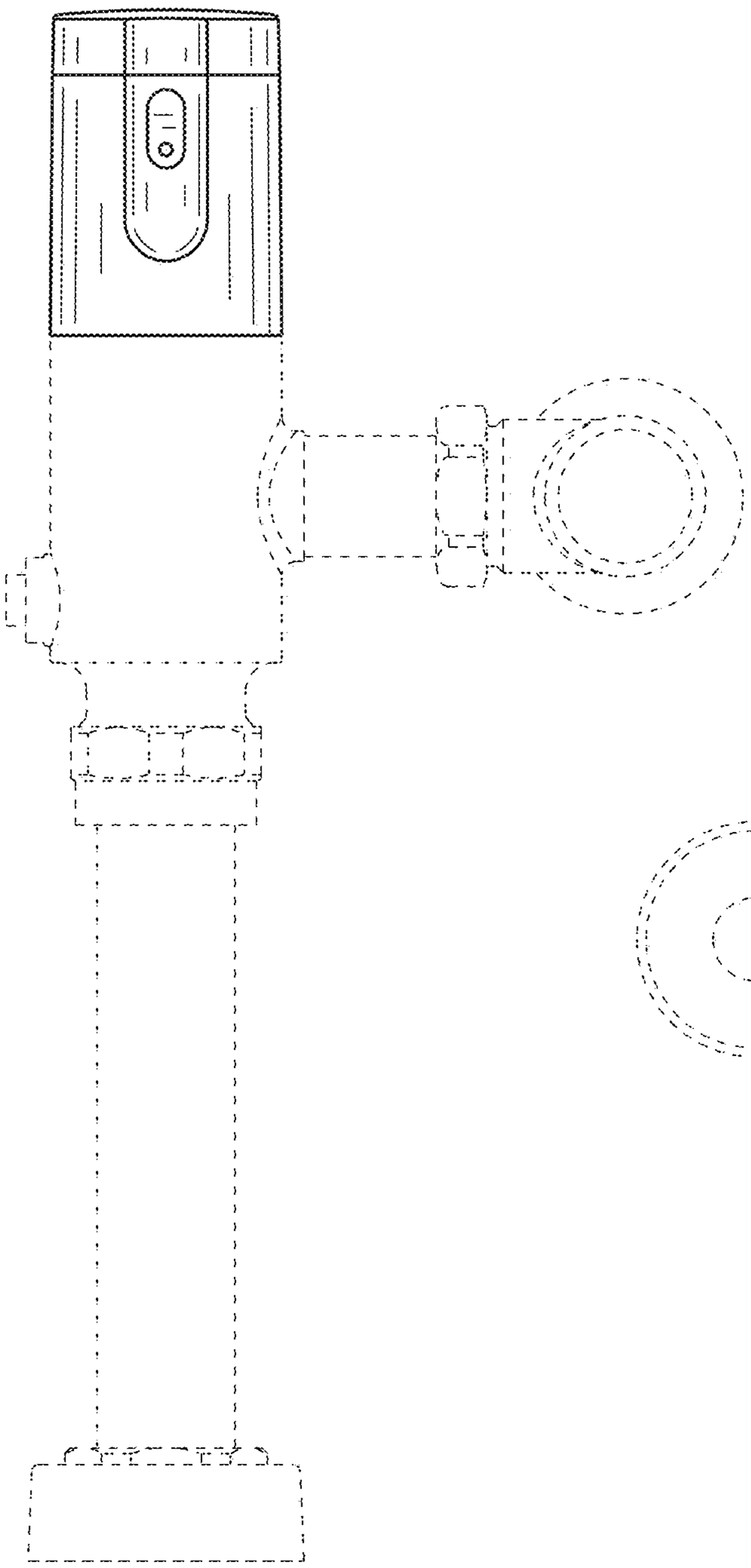


FIG. 2

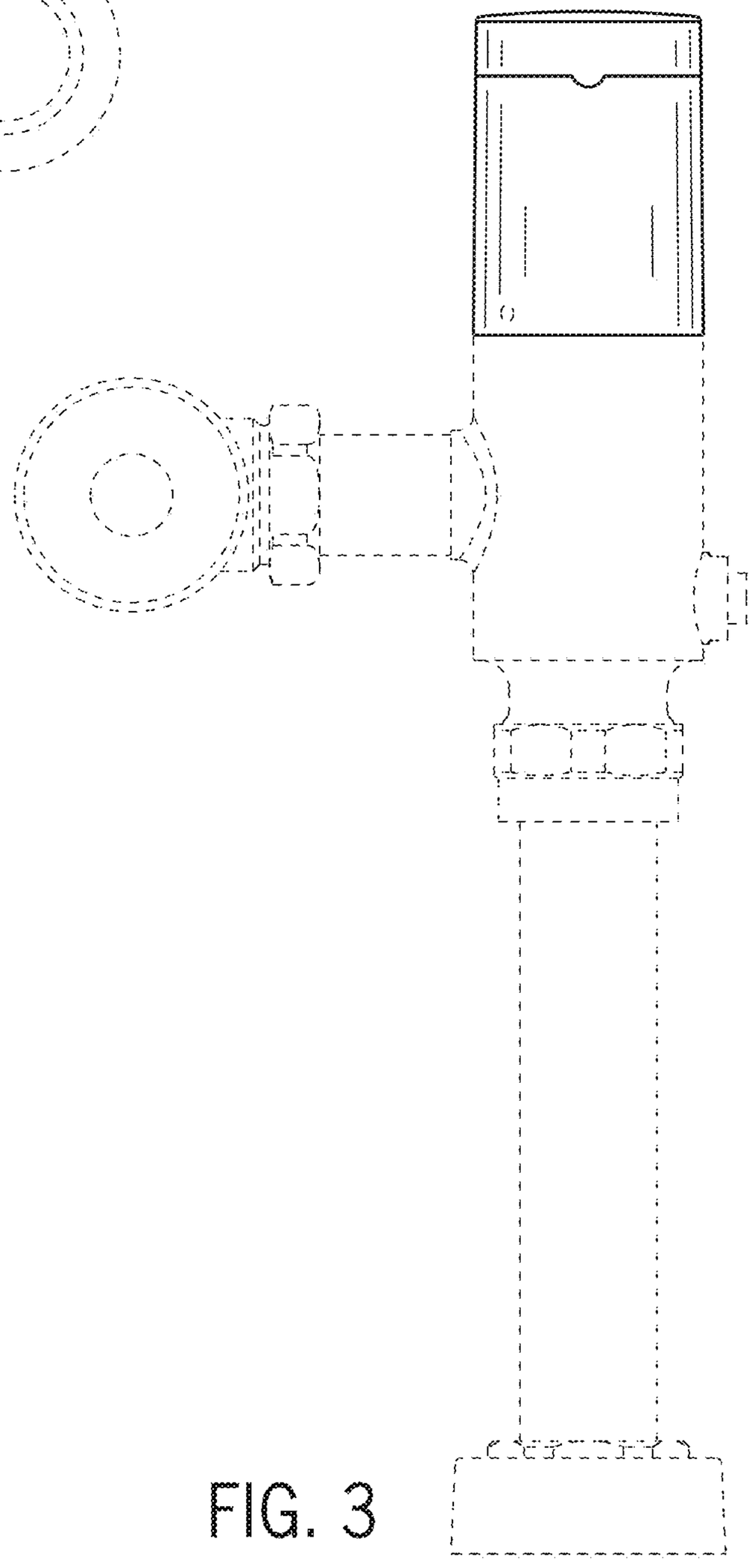
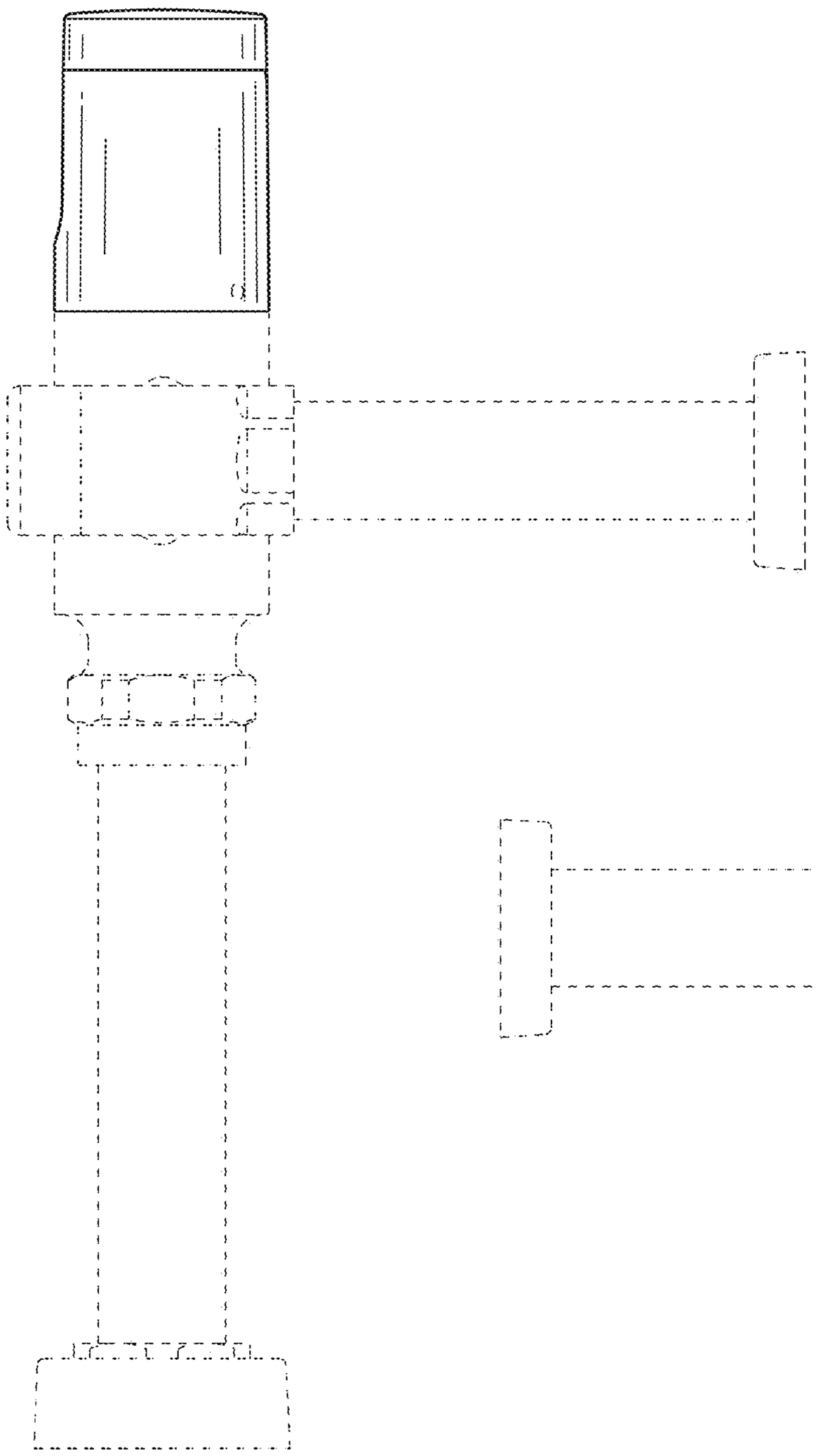


FIG. 3



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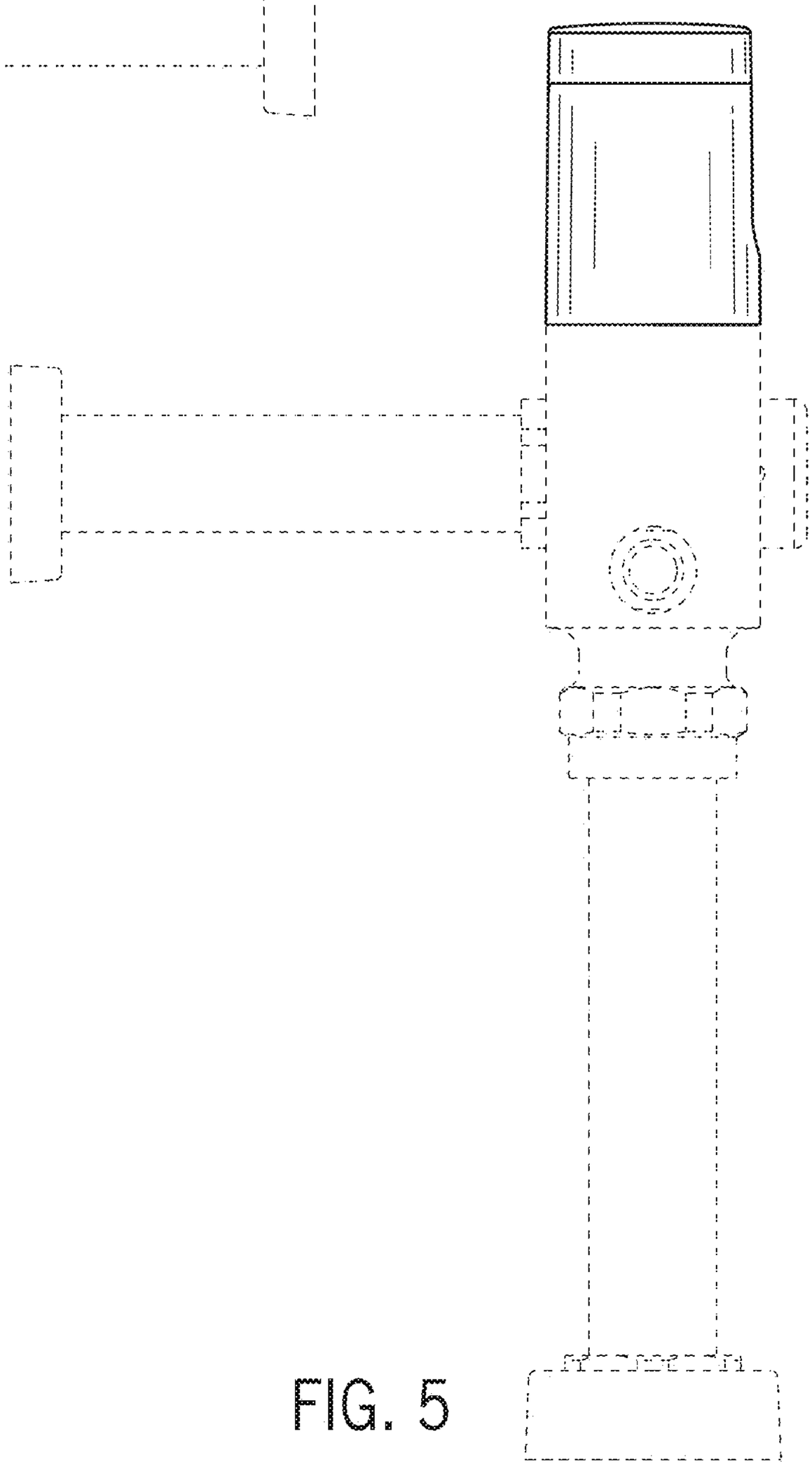


FIG. 5

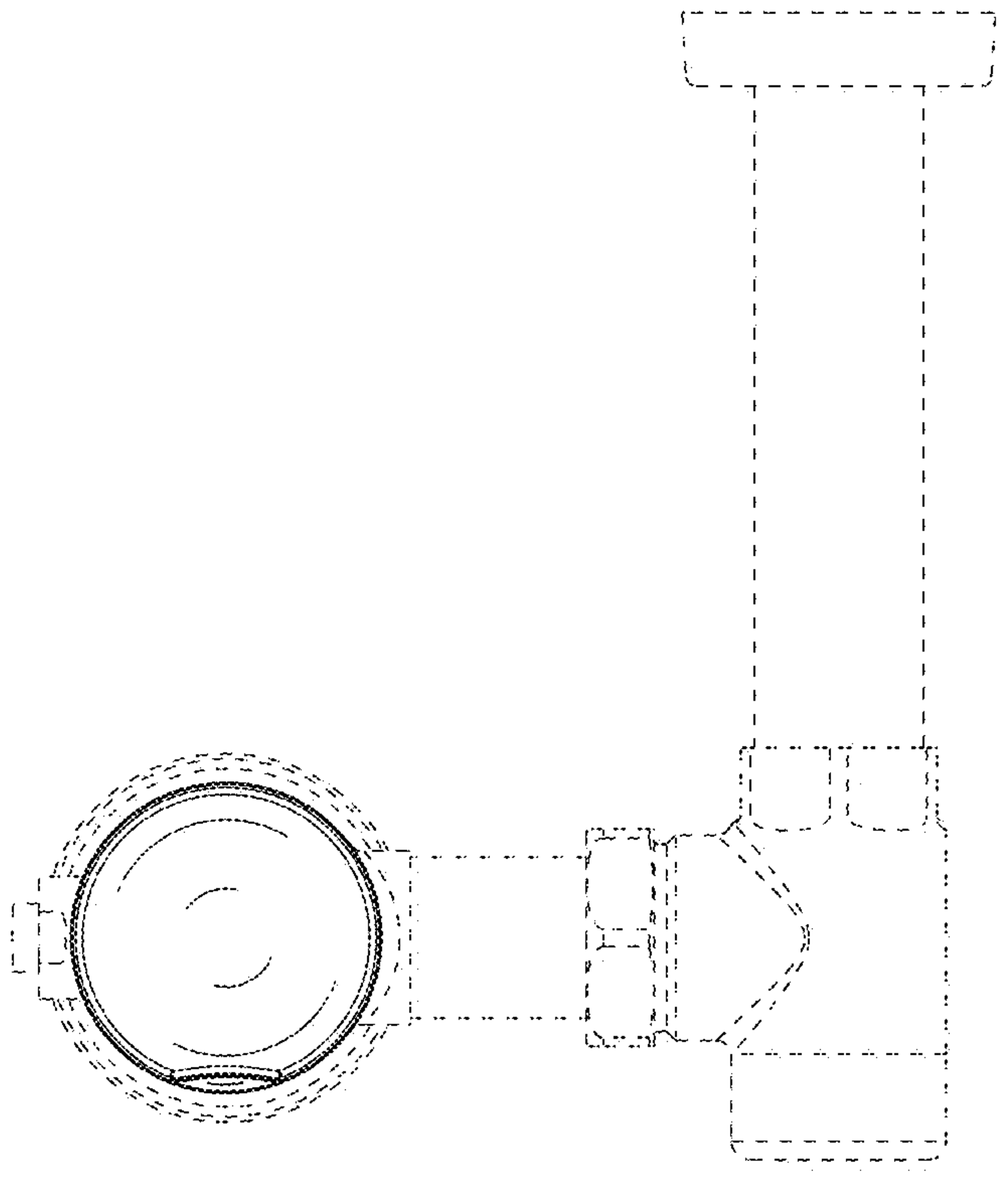


FIG. 6

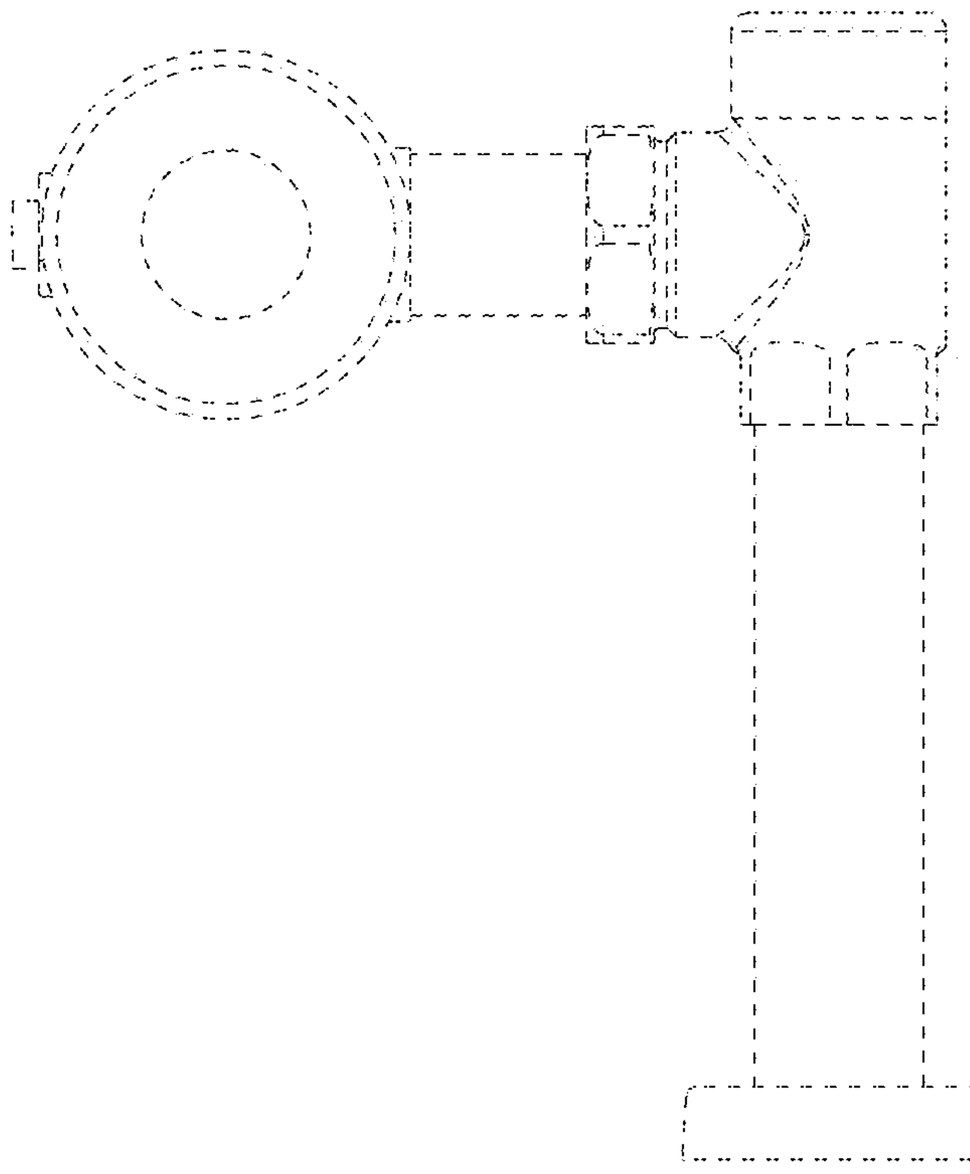


FIG. 7

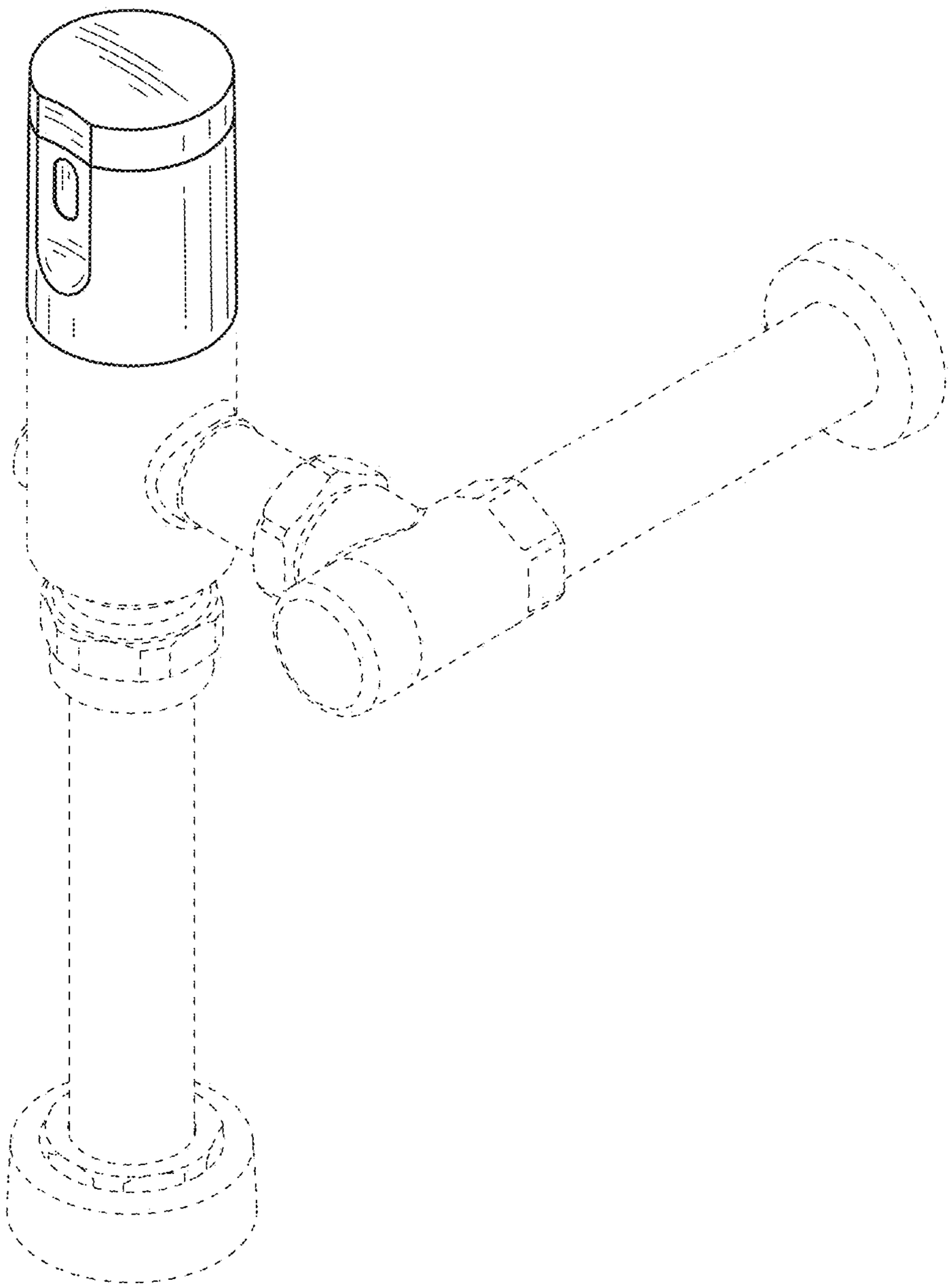
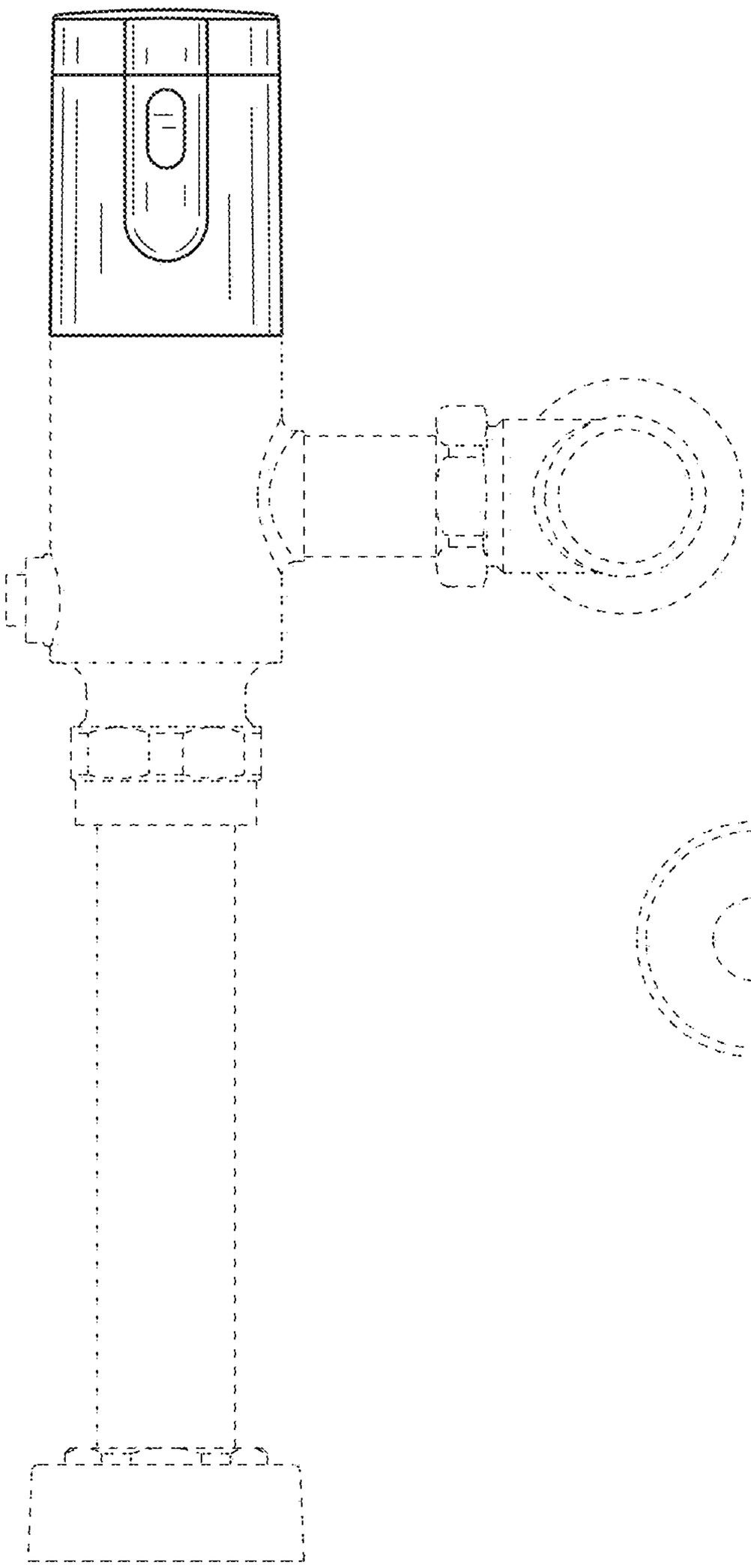


FIG. 8



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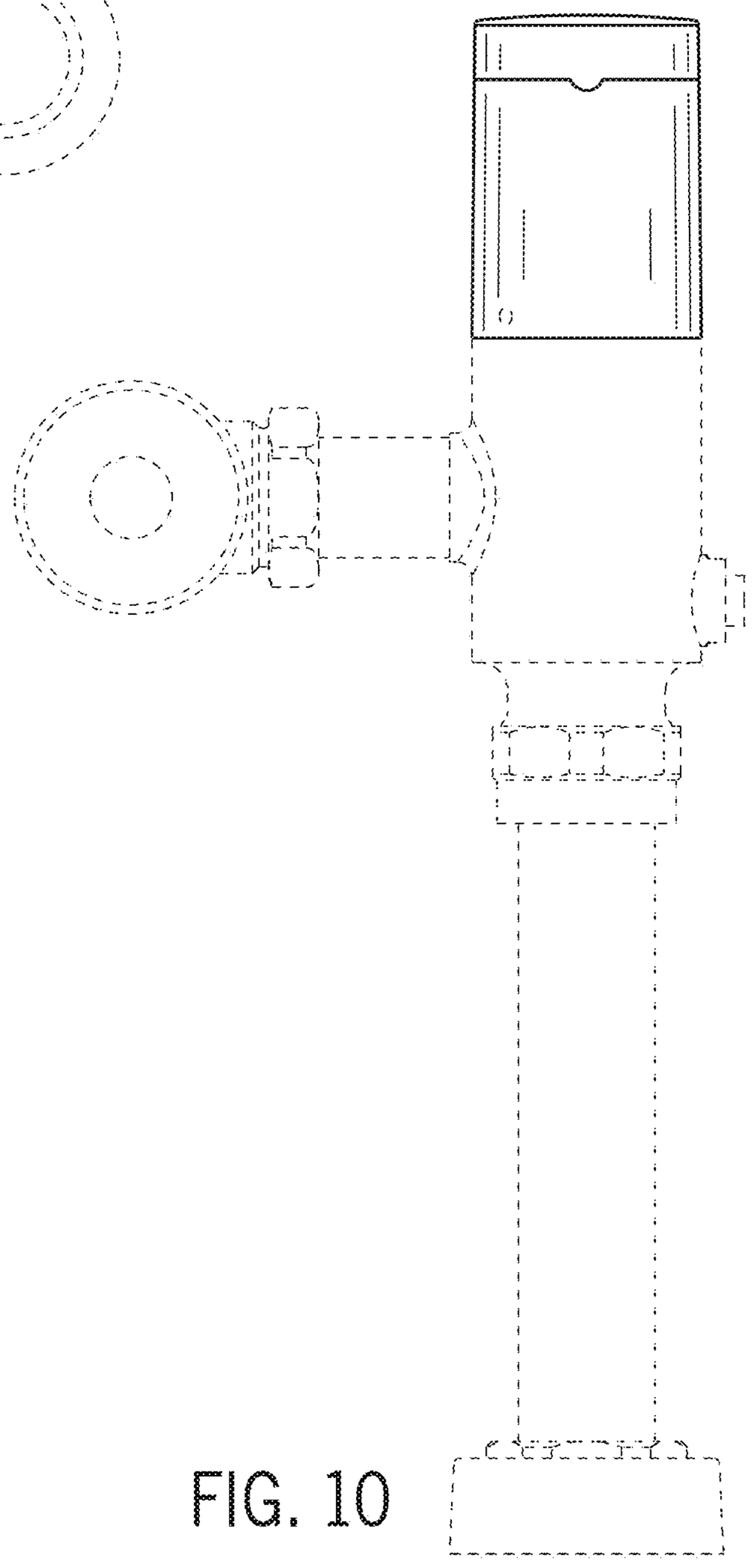

FIG. 10

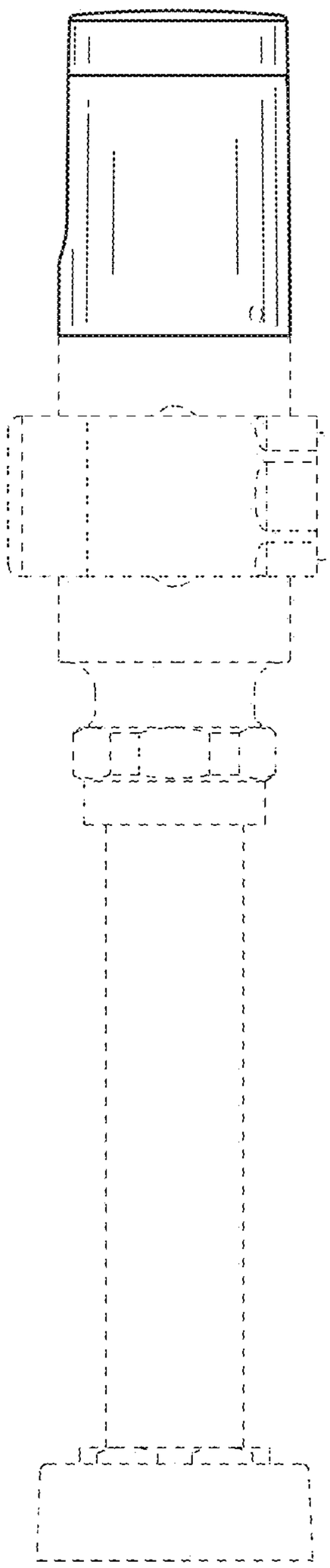

FIG. 11

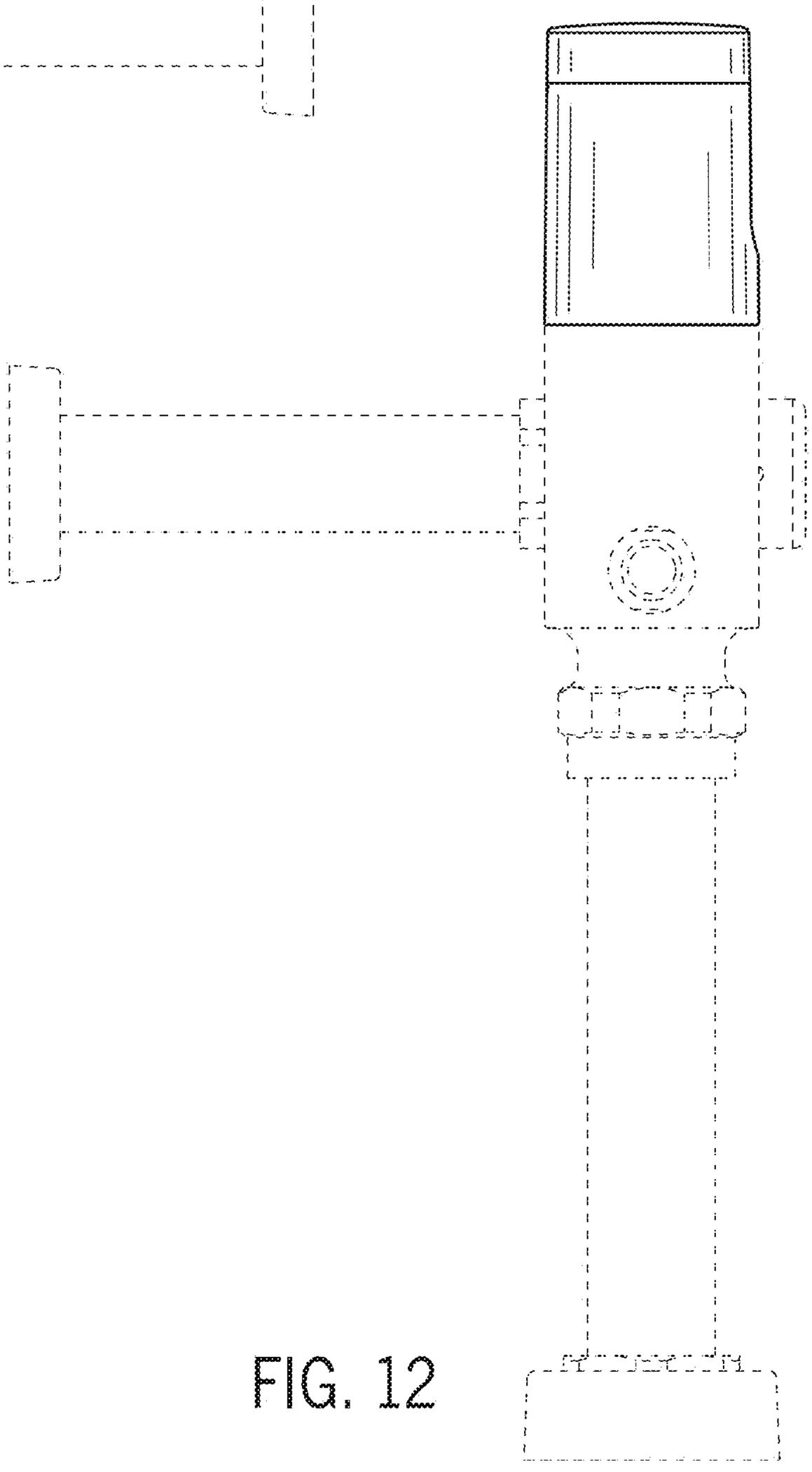

FIG. 12

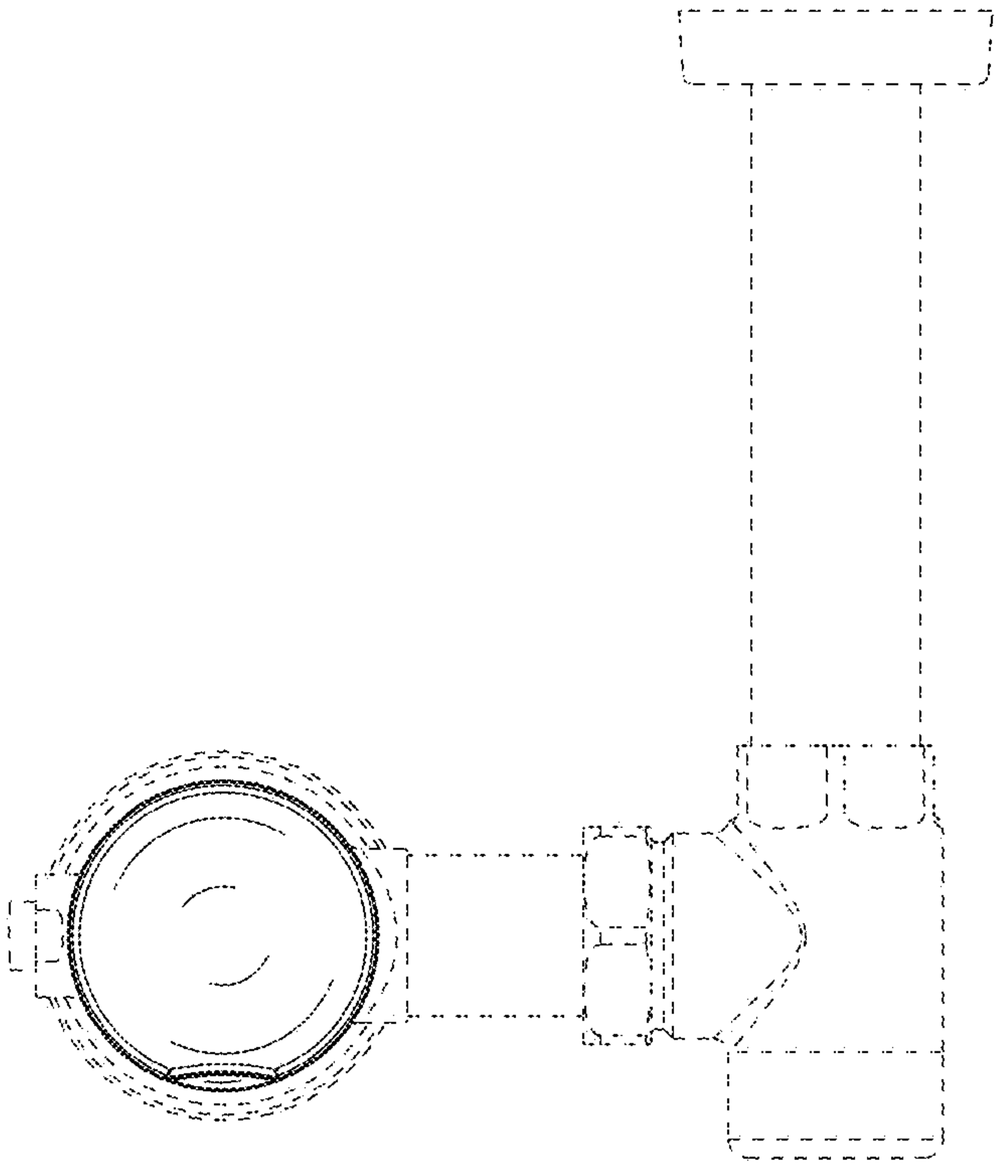

FIG. 13

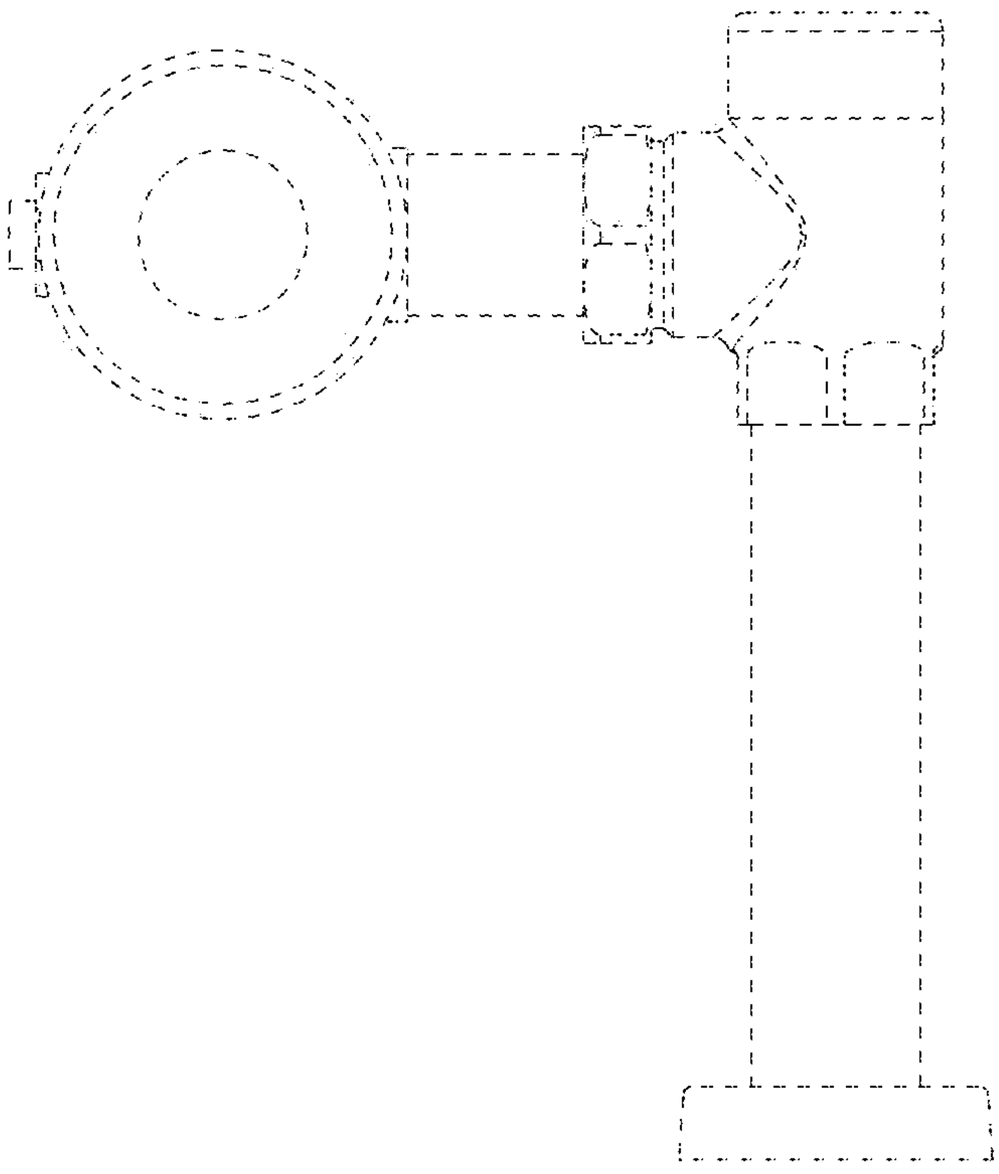

FIG. 14

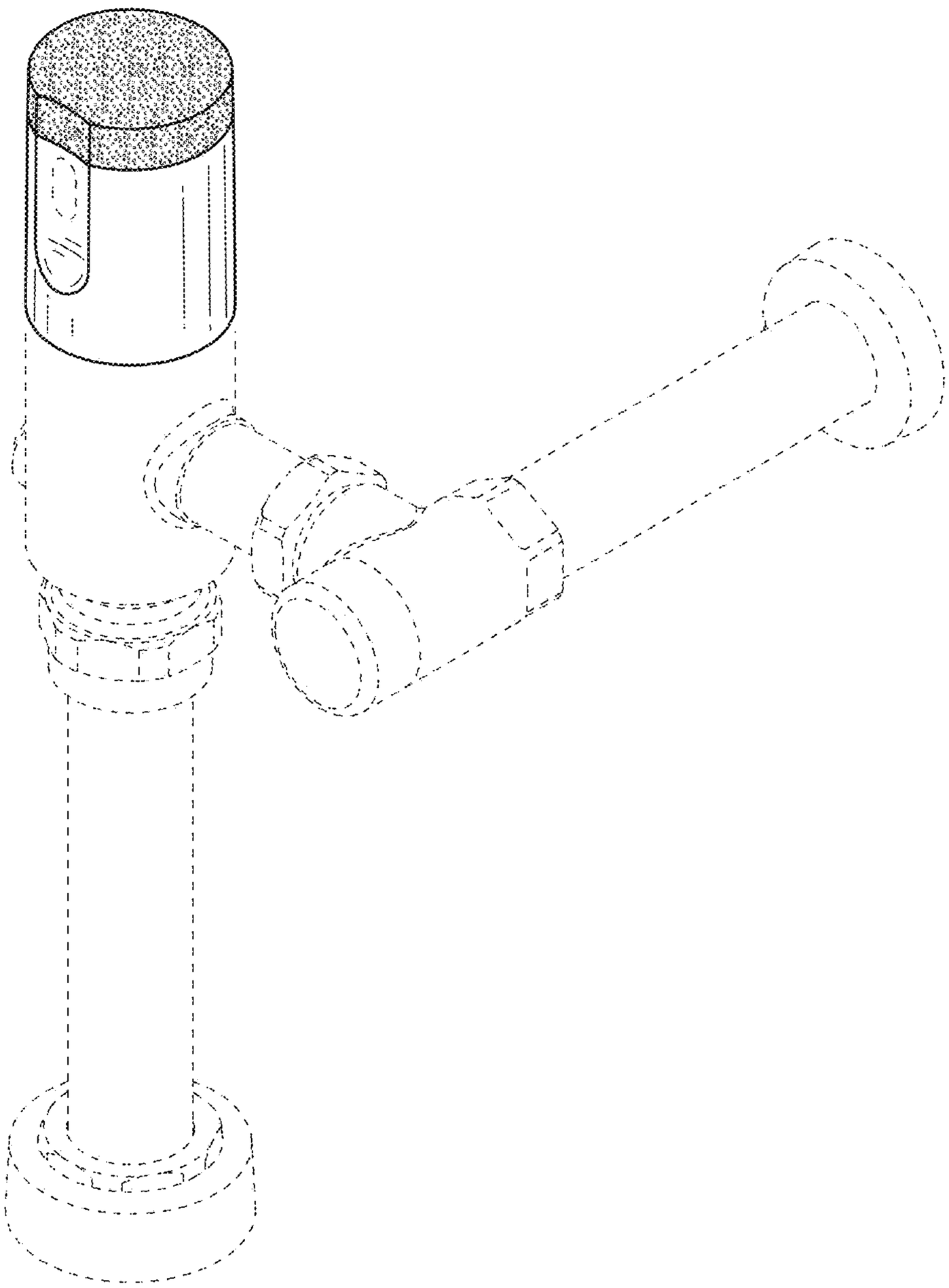

FIG. 15

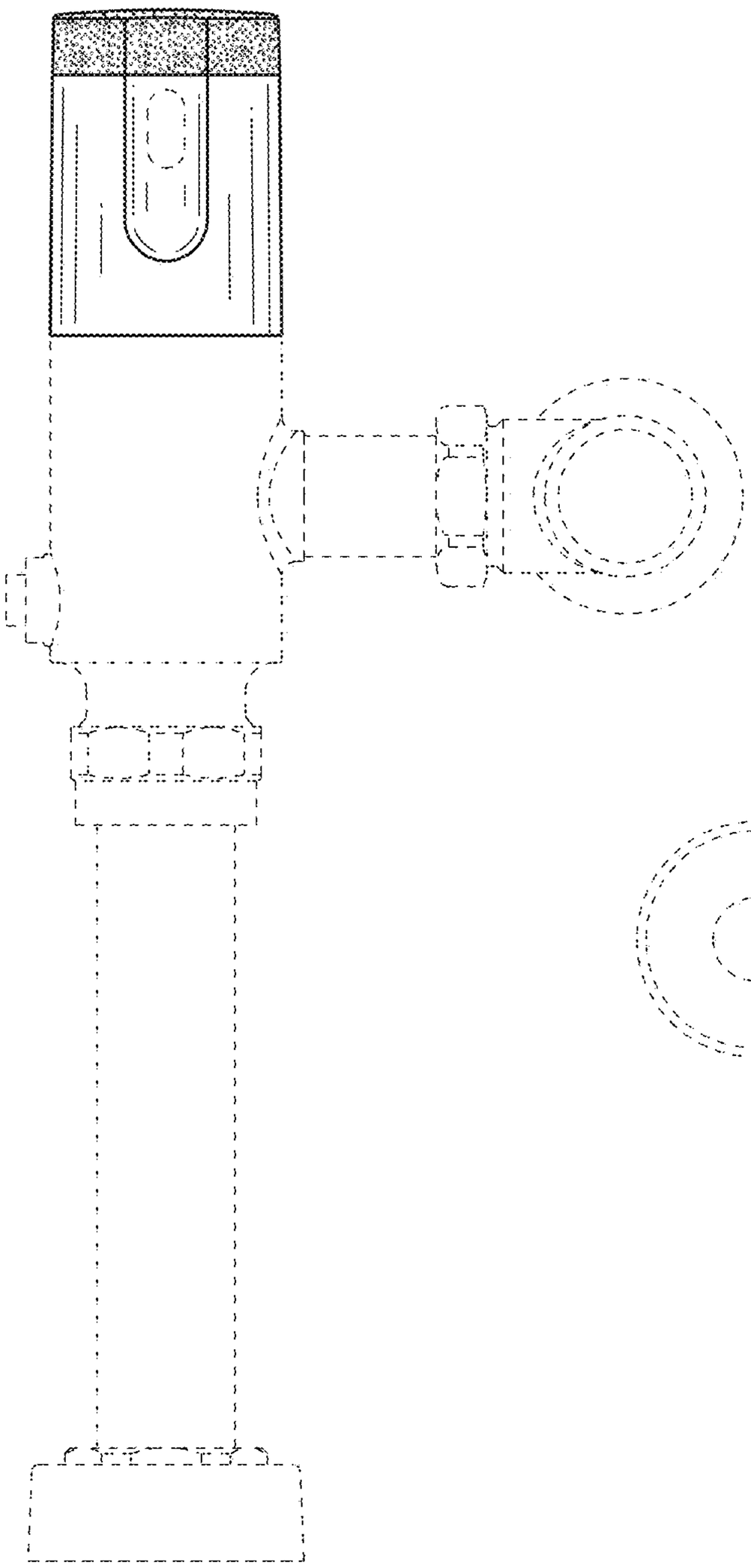

FIG. 16

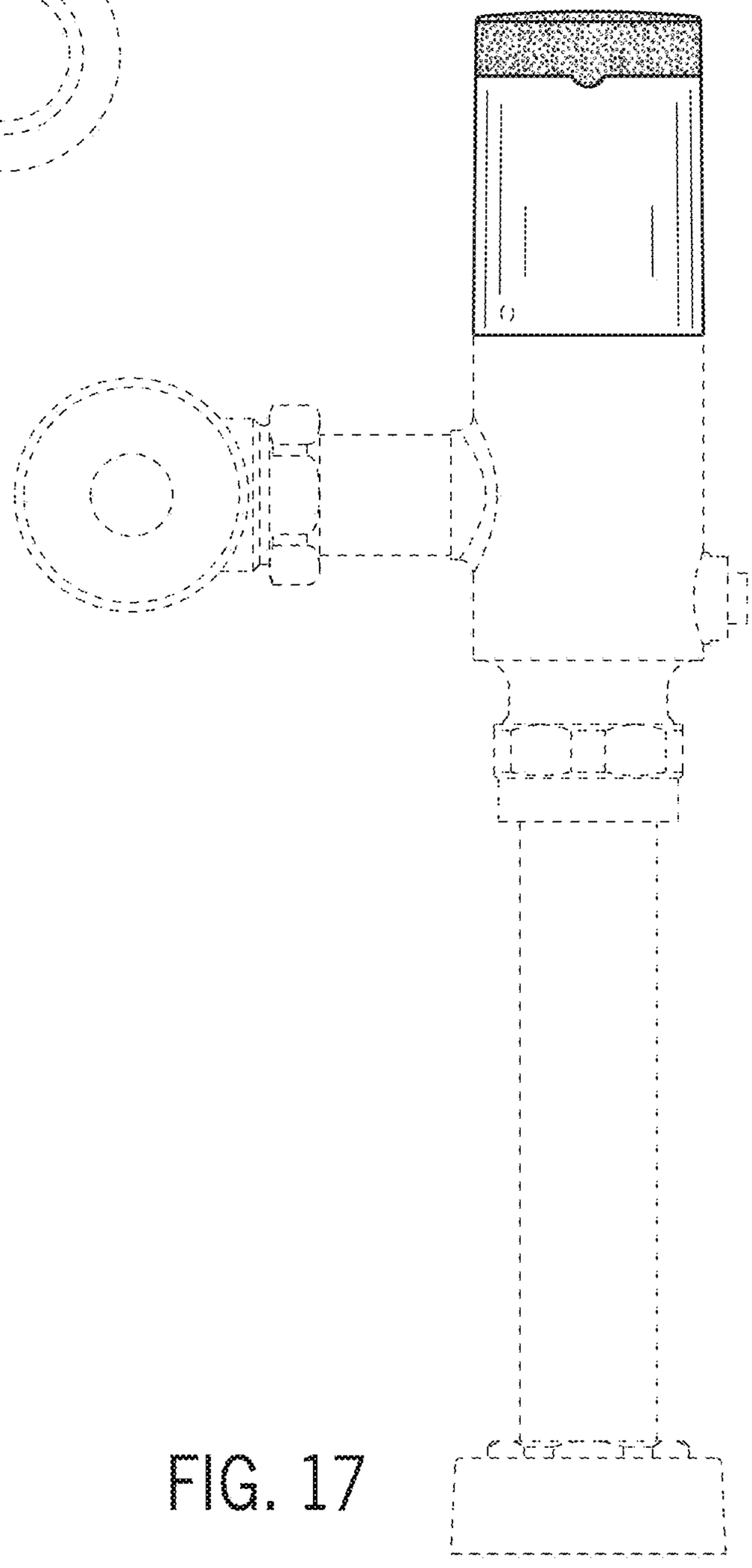

FIG. 17

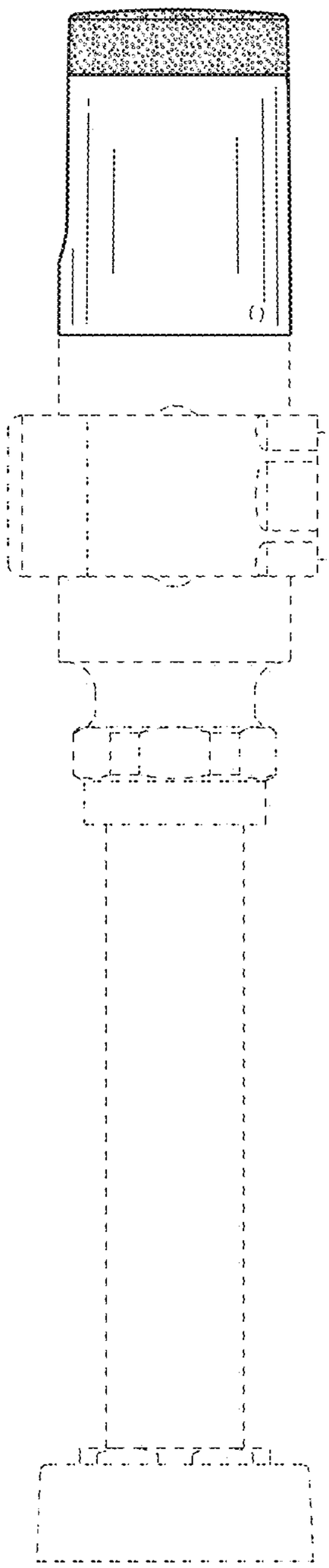

FIG. 18

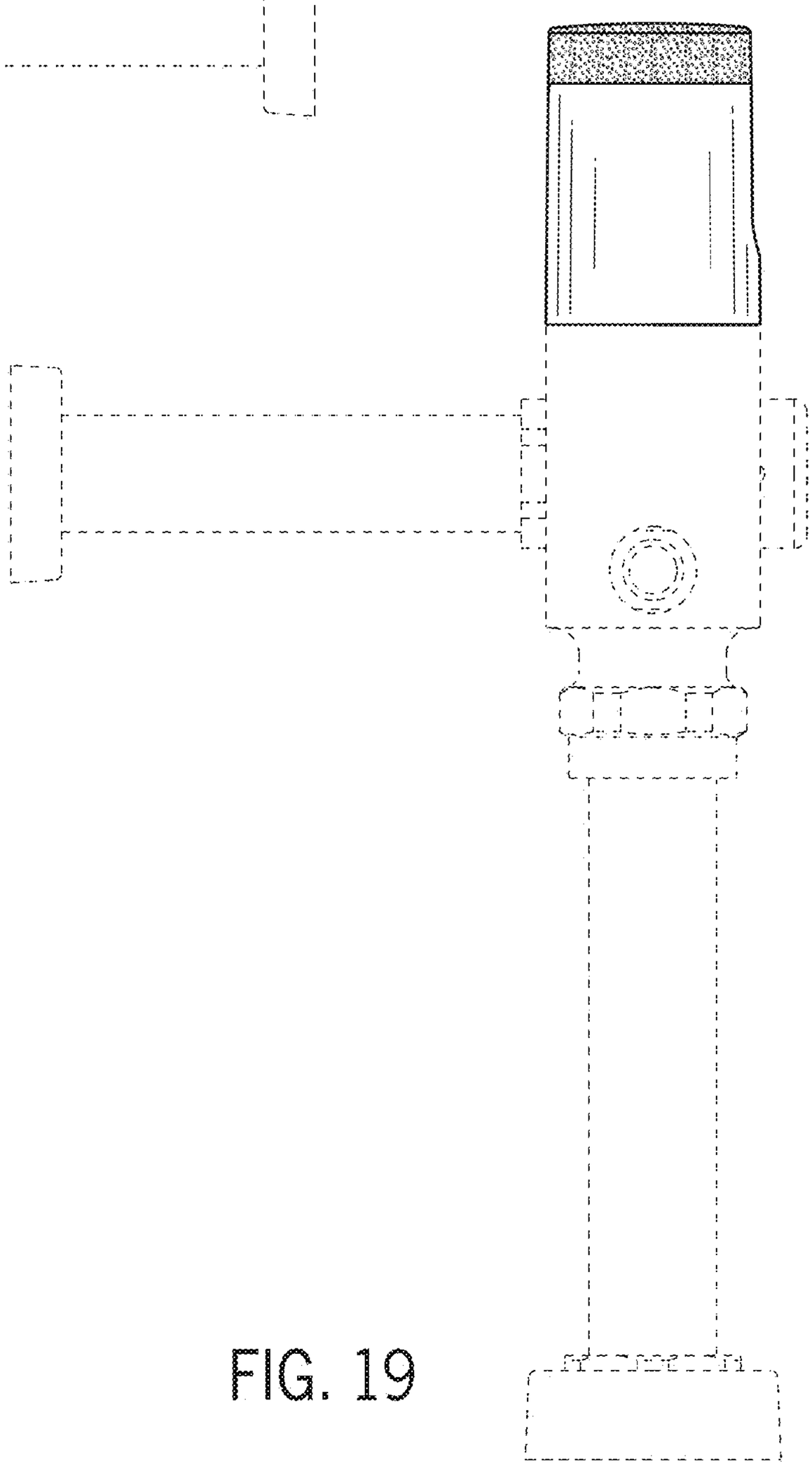

FIG. 19

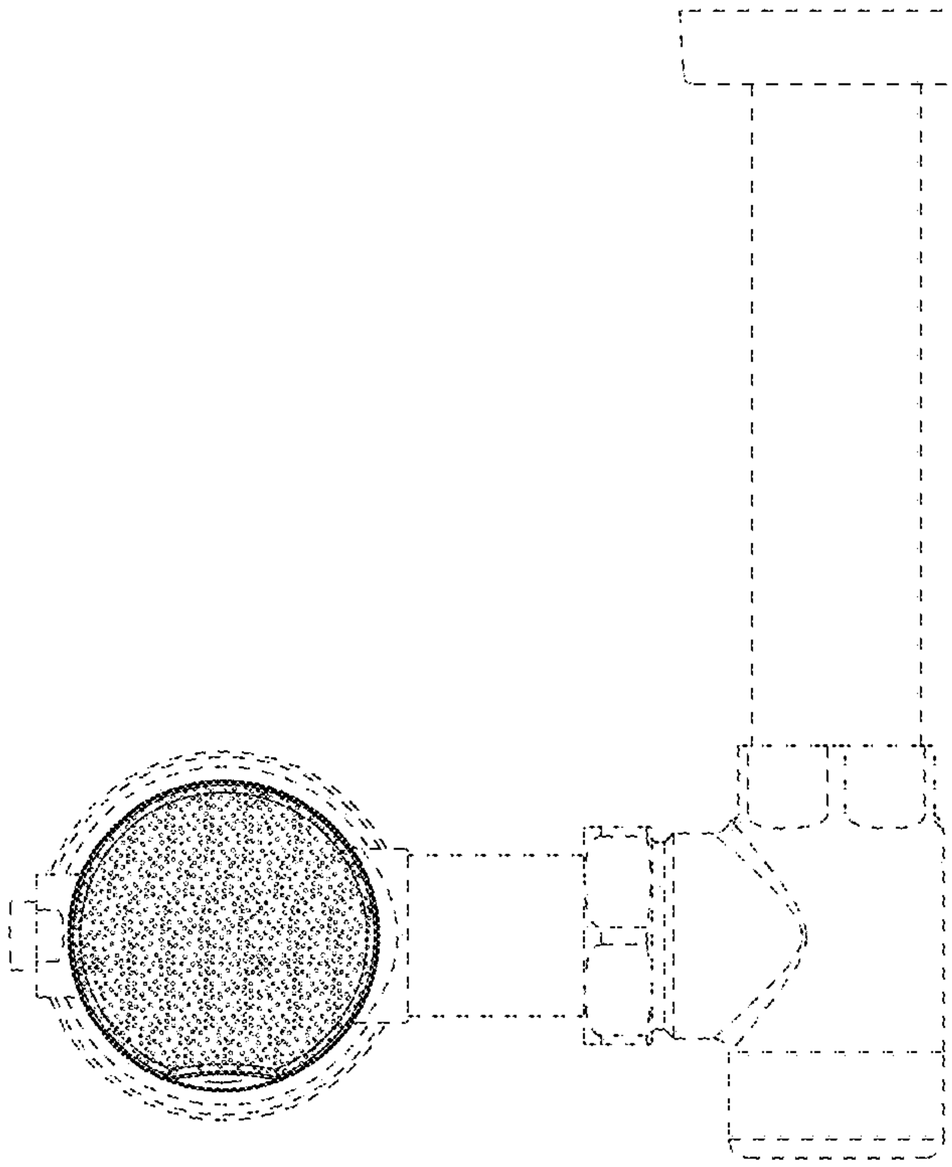

FIG. 20

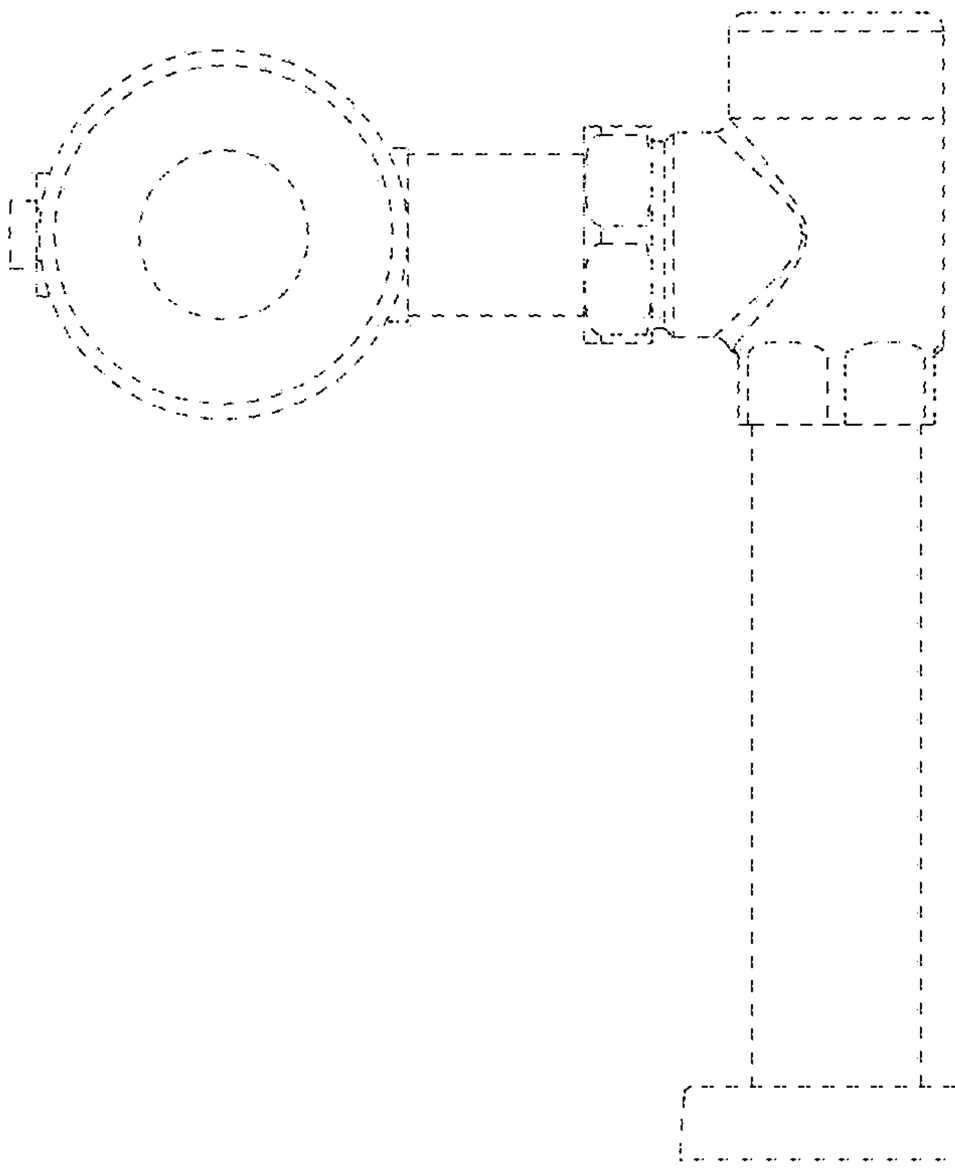

FIG. 21