US00D692128S

(12) United States Design Patent

Miller

(10) Patent No.: US D692,128 S
(45) Date of Patent: ** Oct. 22, 2013

(54) **DIAPHRAGM VALVE FOR BREATHING APPARATUS**

(75) Inventor: **Andrew Neil Miller**, Bracknell (GB)

(73) Assignee: **Intersurgical AG**, Vaduz (LI)

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

(21) Appl. No.: **29/396,743**

(22) Filed: **Jul. 6, 2011**

(30) **Foreign Application Priority Data**

Jan. 6, 2011 (EM) 001802091

(51) **LOC (9) Cl.** **29-02**

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

(58) **Field of Classification Search**
USPC D24/110.6, 164; 128/200.18, 128/204.18–205.27; 137/467, 496, 137/512–512.15
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,643,686	A *	2/1972	Koegel	137/512
3,903,884	A *	9/1975	Huston et al.	128/200.18
D249,279	S *	9/1978	Backlund	D24/164
4,241,756	A *	12/1980	Bennett et al.	137/496
4,694,825	A	9/1987	Slemmer et al.	
4,712,580	A *	12/1987	Gilman et al.	137/512.15
5,020,532	A *	6/1991	Mahoney et al.	128/205.24
5,746,199	A *	5/1998	Bayron et al.	128/205.24
D395,500	S *	6/1998	Ryder	D24/110.6
D424,193	S *	5/2000	Wohltmann et al.	D24/110.6
6,098,622	A *	8/2000	Nobile et al.	128/205.24
6,250,329	B1 *	6/2001	Rashidi	137/467
6,634,357	B1 *	10/2003	Hamilton	128/205.24
6,776,159	B2 *	8/2004	Pelerossi et al.	128/204.18
7,066,177	B2 *	6/2006	Pittaway et al.	128/205.24
7,699,054	B2 *	4/2010	Pelerossi et al.	128/205.24
D655,809	S *	3/2012	Winter et al.	D24/110.6

FOREIGN PATENT DOCUMENTS

GB	2418973	A	4/2006

* cited by examiner

Primary Examiner — Richard E Chilcot
(74) *Attorney, Agent, or Firm* — LeClairRyan, a Professional Corporation

(57) **CLAIM**

The ornamental design for a diaphragm valve for breathing apparatus, as shown and described.

DESCRIPTION

FIG. **1** is a left side view of a diaphragm valve for breathing apparatus.

FIG. **2** is a right side view of the diaphragm valve for breathing apparatus shown in FIG. **1**.

FIG. **3** is a rear view of the diaphragm valve for breathing apparatus shown in FIG. **1**.

FIG. **4** is a top plan view of the diaphragm valve for breathing apparatus shown in FIG. **1**.

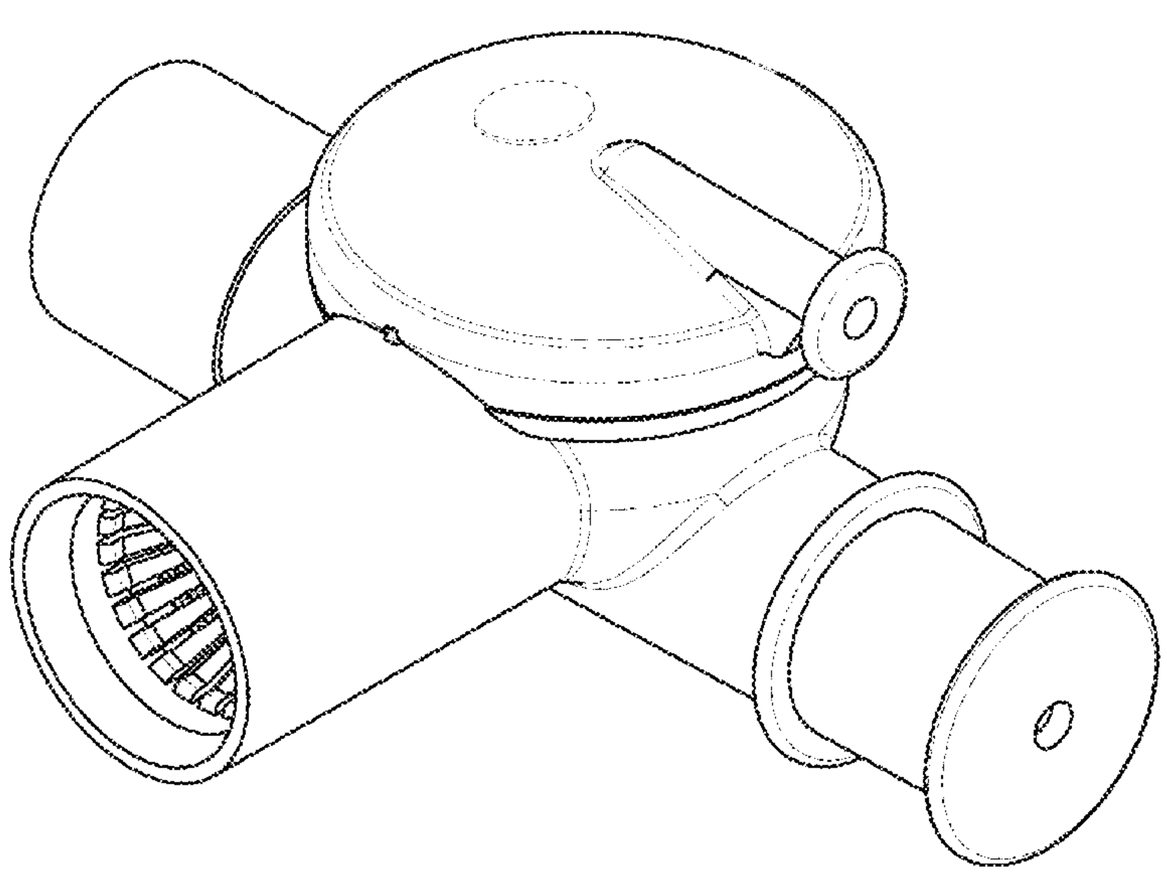
FIG. **5** is a bottom plan view of the diaphragm valve for breathing apparatus shown in FIG. **1**.

FIG. **6** is a rear perspective view of the diaphragm valve for breathing apparatus shown in FIG. **1**; and,

FIG. **7** is a front perspective view of the diaphragm valve for breathing apparatus shown in FIG. **1**.

The broken lines of FIGS. **1-7** are for the purpose of illustrating portions of the diaphragm valve for breathing apparatus and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



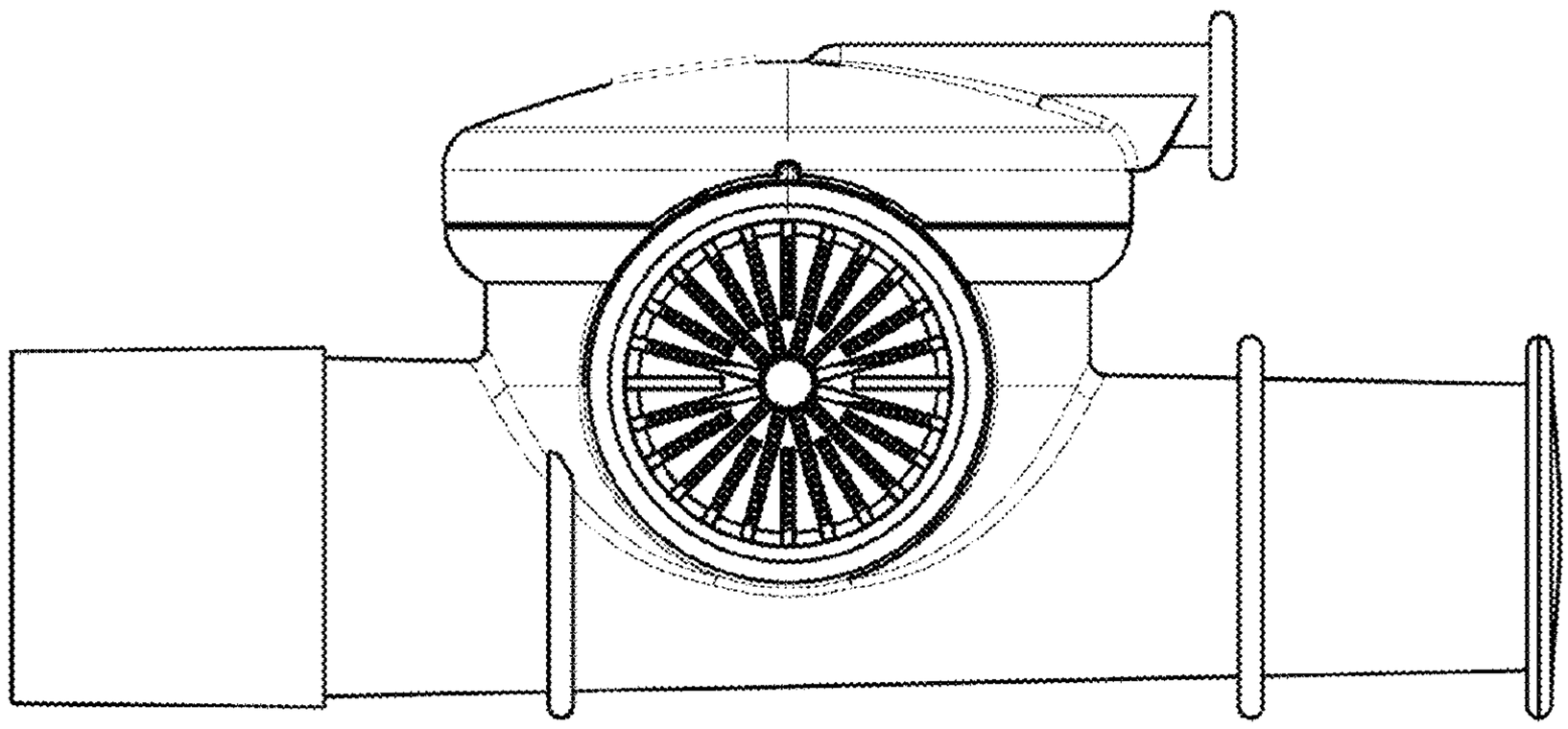


FIG. 1

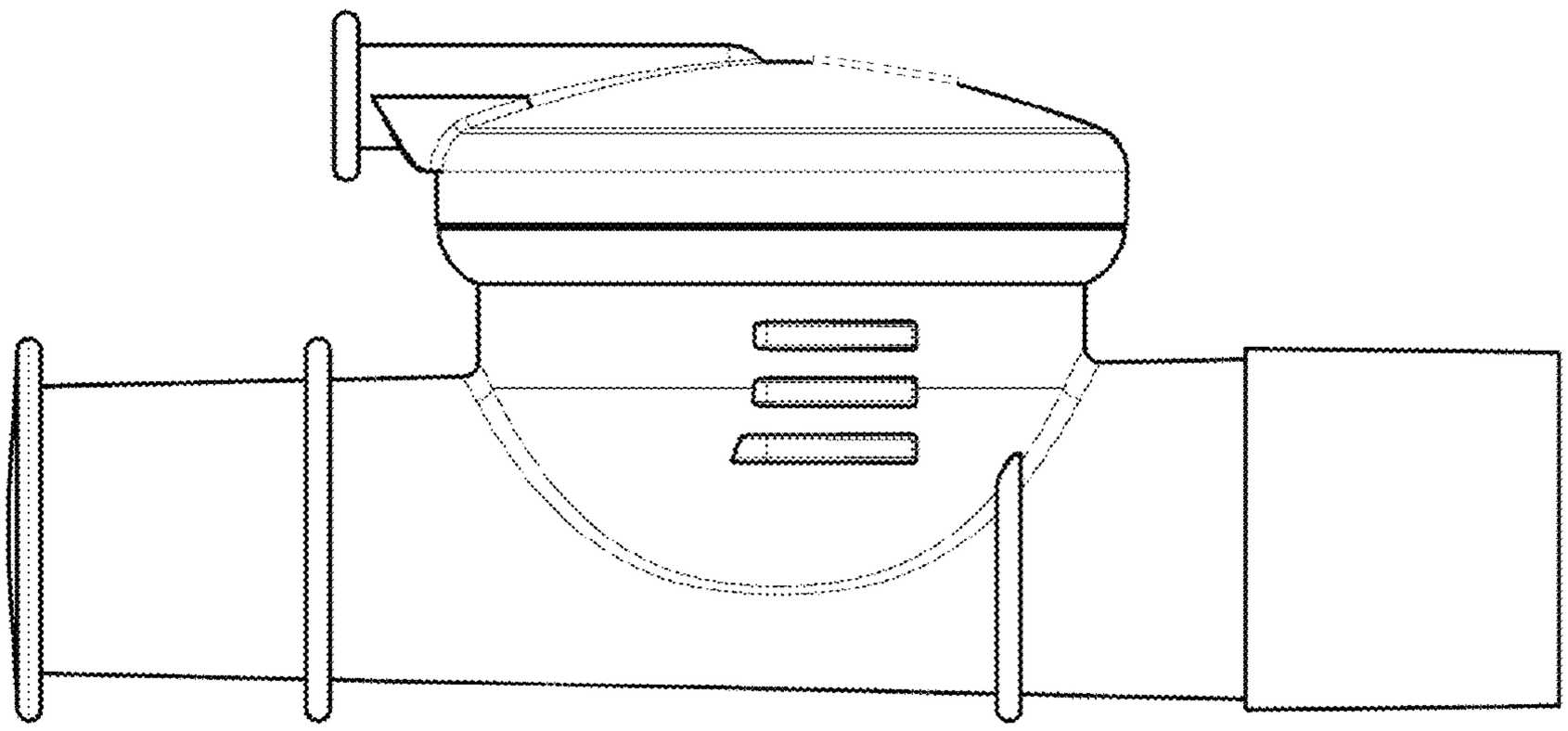


FIG. 2

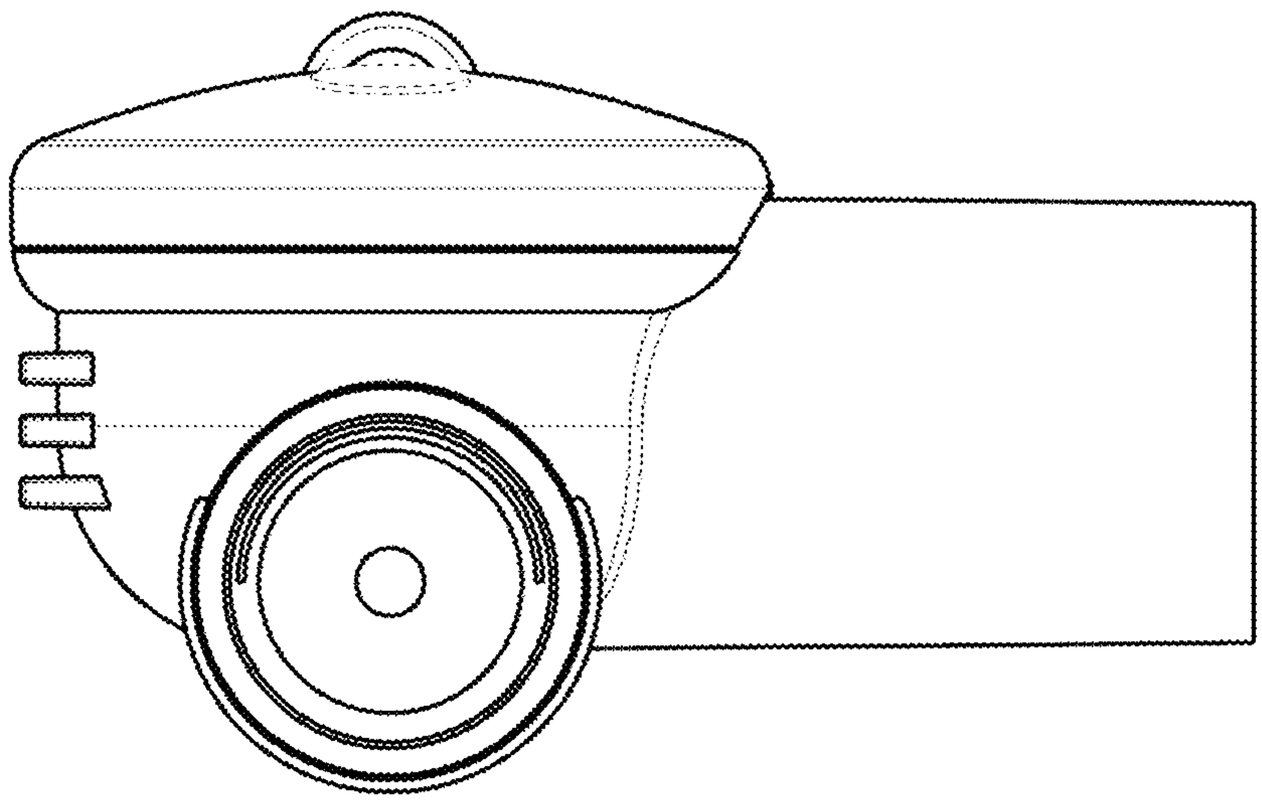


FIG. 3

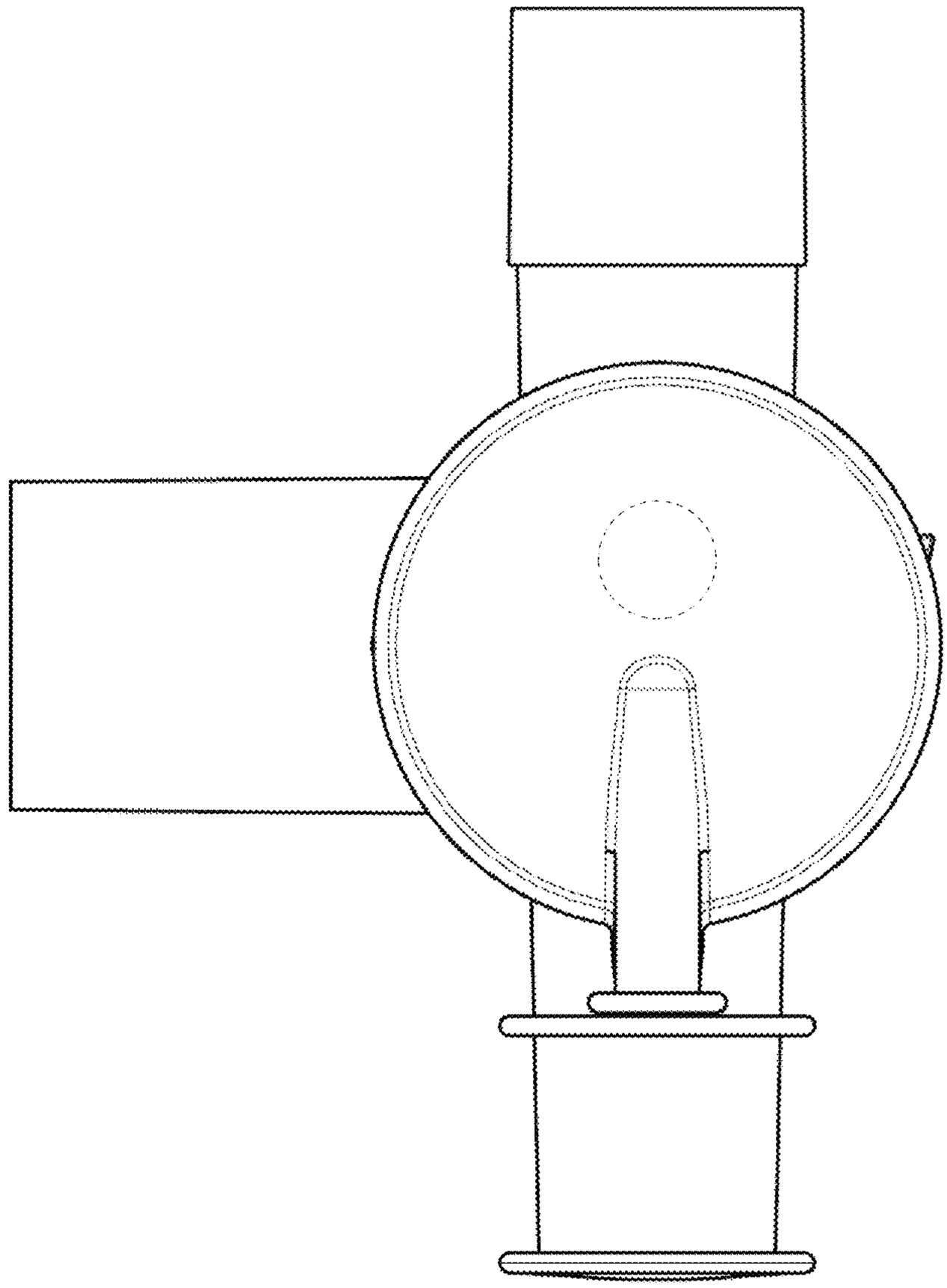


FIG. 4

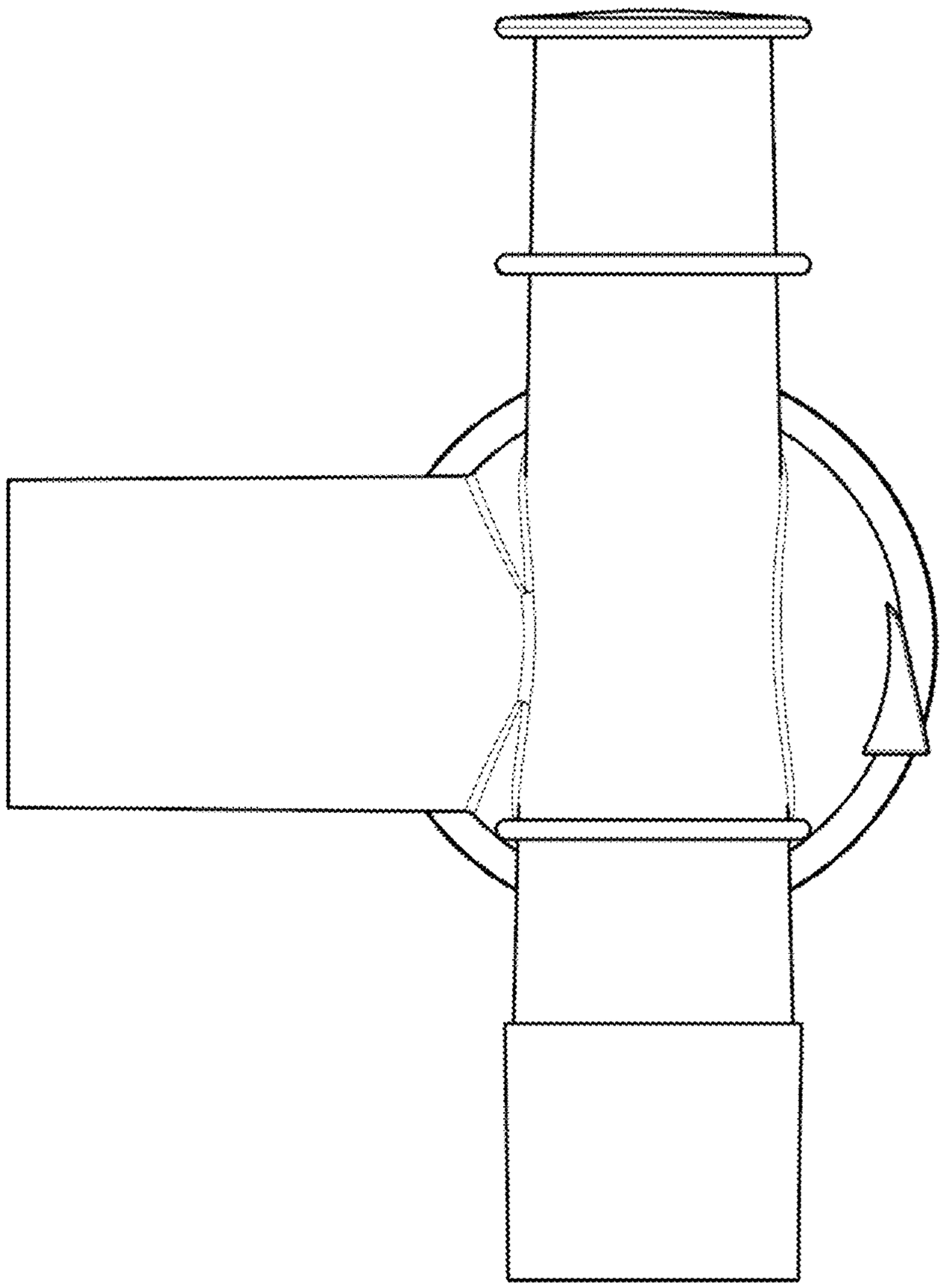


FIG. 5

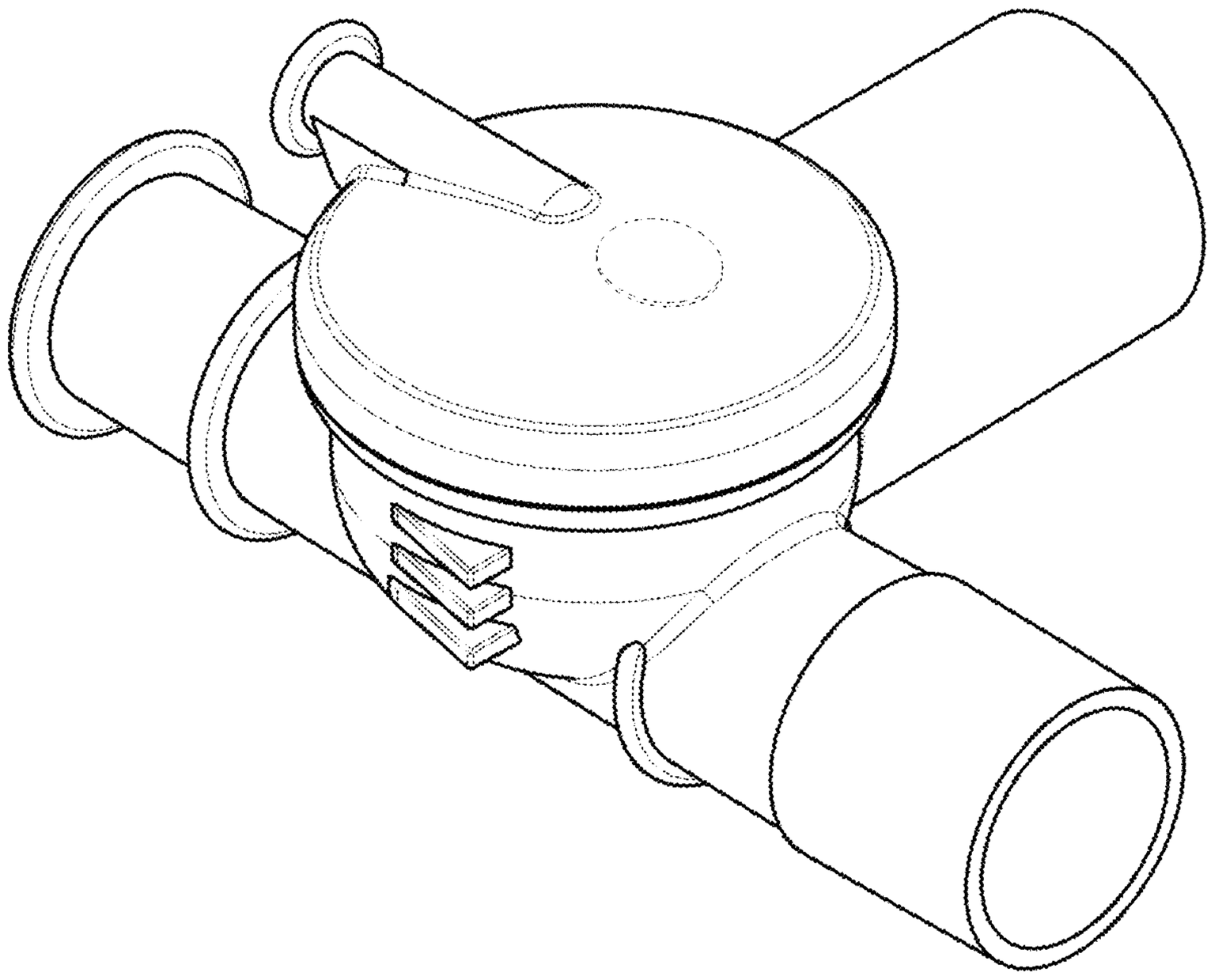


FIG. 6

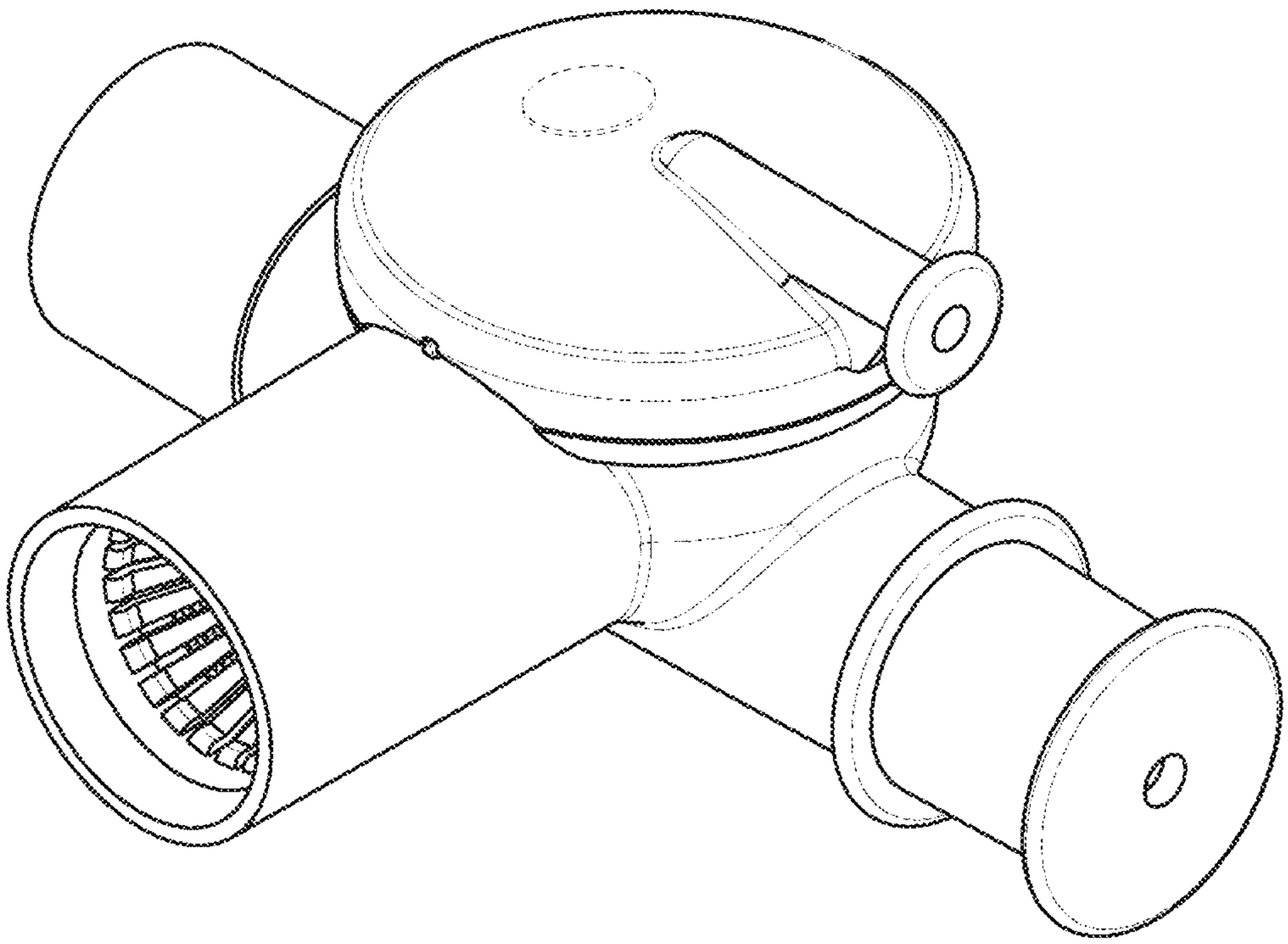


FIG. 7