



US00D707824S

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

(10) **Patent No.:** **US D707,824 S**
(45) **Date of Patent:** **** Jun. 24, 2014**

(54) **CONNECTOR FOR BLOOD CIRCUIT**

(75) Inventor: **Koichi Murai**, Osaka (JP)

(73) Assignee: **Nipro Corporation**, Osaka (JP)

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

(21) Appl. No.: **29/429,948**

(22) Filed: **Aug. 20, 2012**

(30) **Foreign Application Priority Data**

Feb. 21, 2012 (JP) D2012-003523

(51) **LOC (10) Cl.** **24-01**

(52) **U.S. Cl.**
USPC **D24/169**

(58) **Field of Classification Search**
USPC D24/107, 108, 127, 129, 169; 604/4.01,
604/6.16, 83, 256

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,741,217	A *	6/1973	Ciarico	.....	604/256
4,560,378	A *	12/1985	Weiland	.....	604/83
D308,576	S *	6/1990	Iversen	.....	D24/129
D340,285	S *	10/1993	Herweck et al.	.....	D24/169
D360,030	S *	7/1995	Michels et al.	.....	D24/129
5,674,209	A *	10/1997	Yarger	.....	604/540
5,693,008	A *	12/1997	Brugger et al.	.....	604/4.01
D408,079	S *	4/1999	Ellis	.....	D24/108
D448,848	S *	10/2001	Clark et al.	.....	D24/129

D606,198	S *	12/2009	Collins et al.	.....	D24/169
D644,317	S *	8/2011	Tsao	.....	D24/108
2005/0148924	A1 *	7/2005	Goehl et al.	.....	604/6.16
2010/0256547	A1 *	10/2010	Ribolzi et al.	.....	604/7

FOREIGN PATENT DOCUMENTS

JP	1382532	S	3/2010
JP	1382533	S	3/2010
JP	2011-55911	A	3/2011

OTHER PUBLICATIONS

Gmedica International Ltd., Catalog "Dialysis Components Pump Connectors", Nov. 30, 2006.

* cited by examiner

Primary Examiner — Anhdao Doan

(74) *Attorney, Agent, or Firm* — Birch, Stewart, Kolasch & Birch, LLP

(57) **CLAIM**

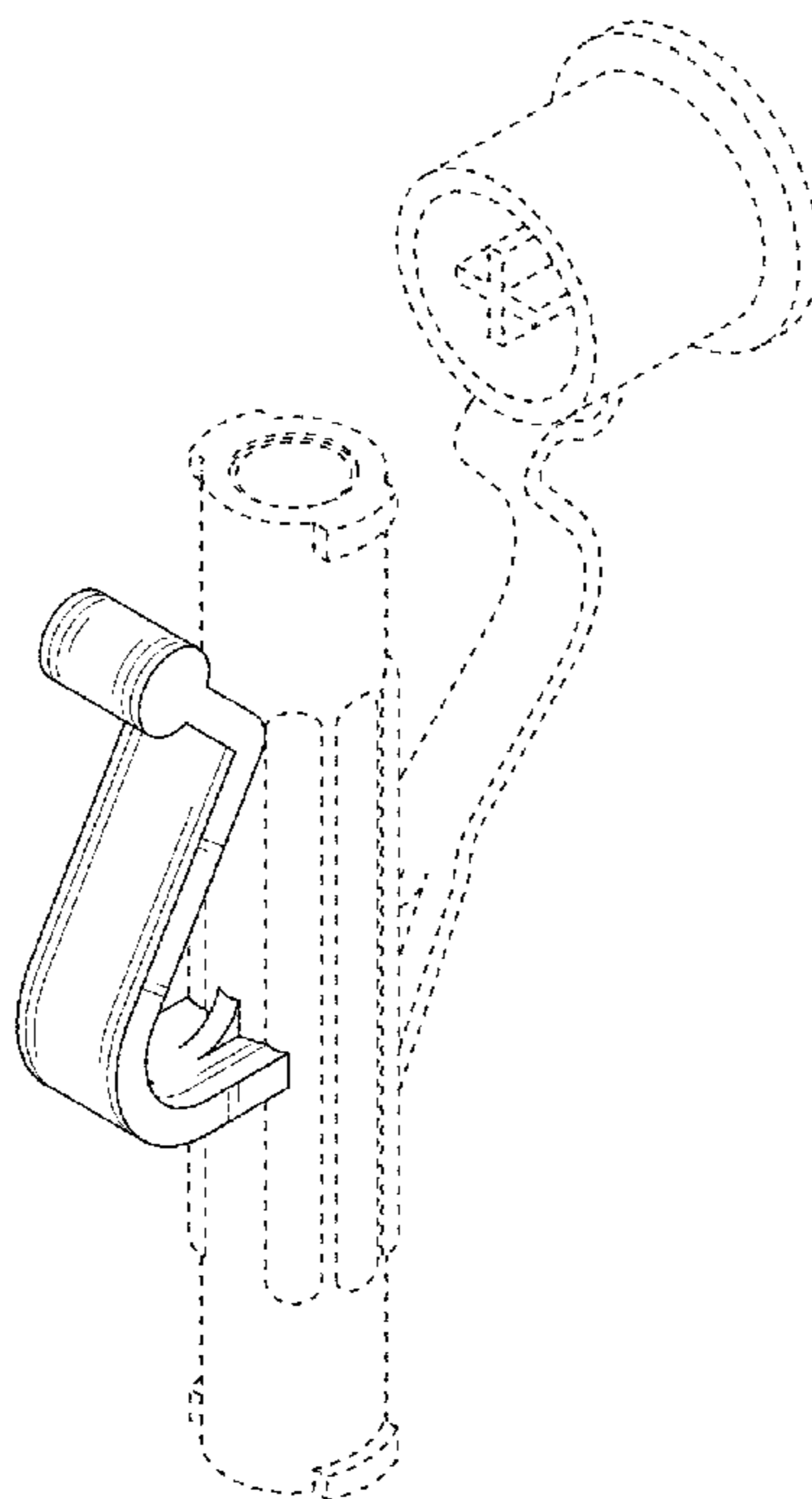
The ornamental design for a connector for blood circuit, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a connector for blood circuit; FIG. 2 is a front view thereof; FIG. 3 is a rear view thereof; FIG. 4 is a left side view thereof; FIG. 5 is a top view thereof; and, FIG. 6 is a bottom view thereof.

The portion shown by broken lines is for illustrative purposes only and forms no part of the claimed design.

1 Claim, 5 Drawing Sheets



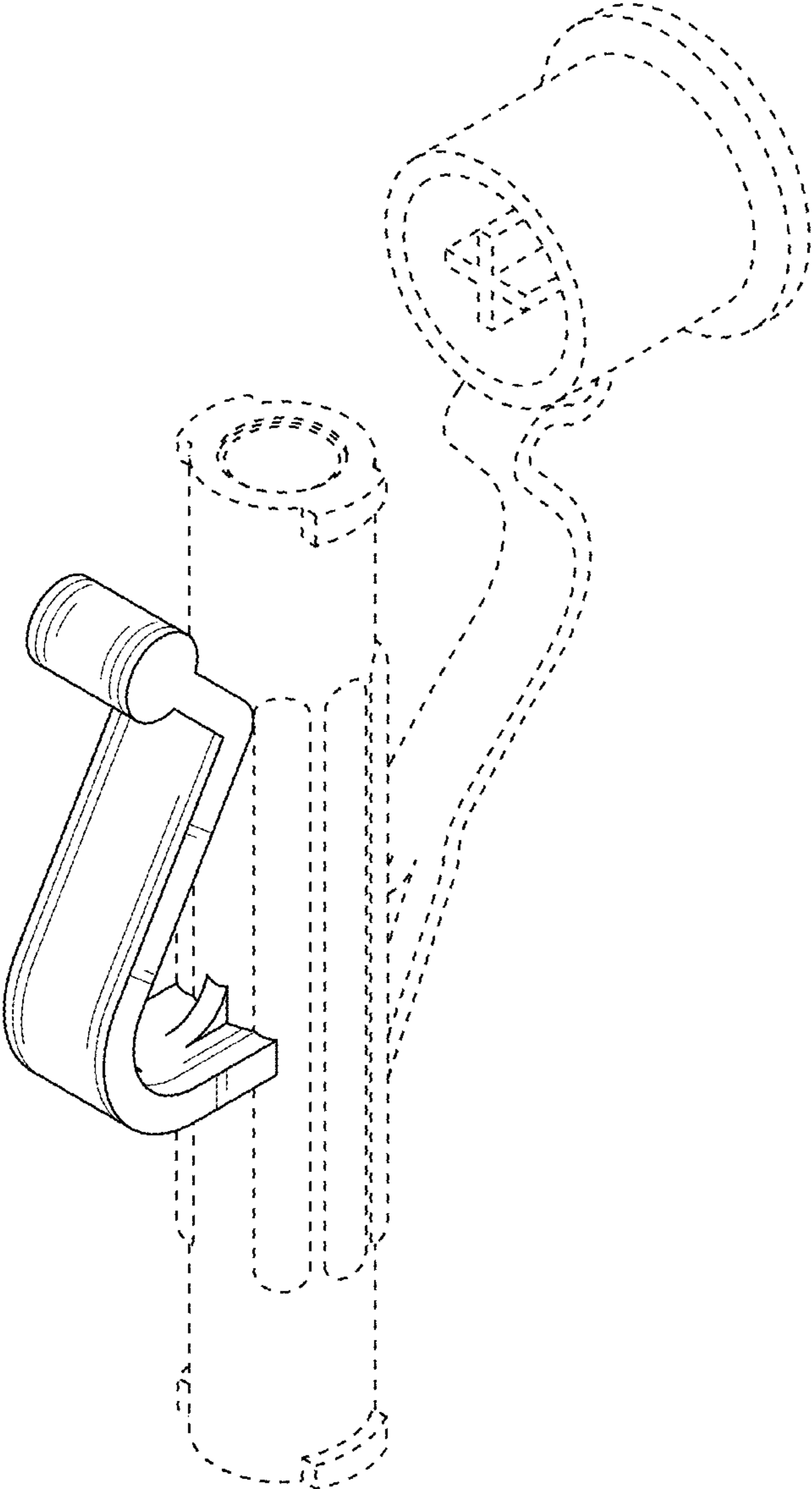


FIG. 1

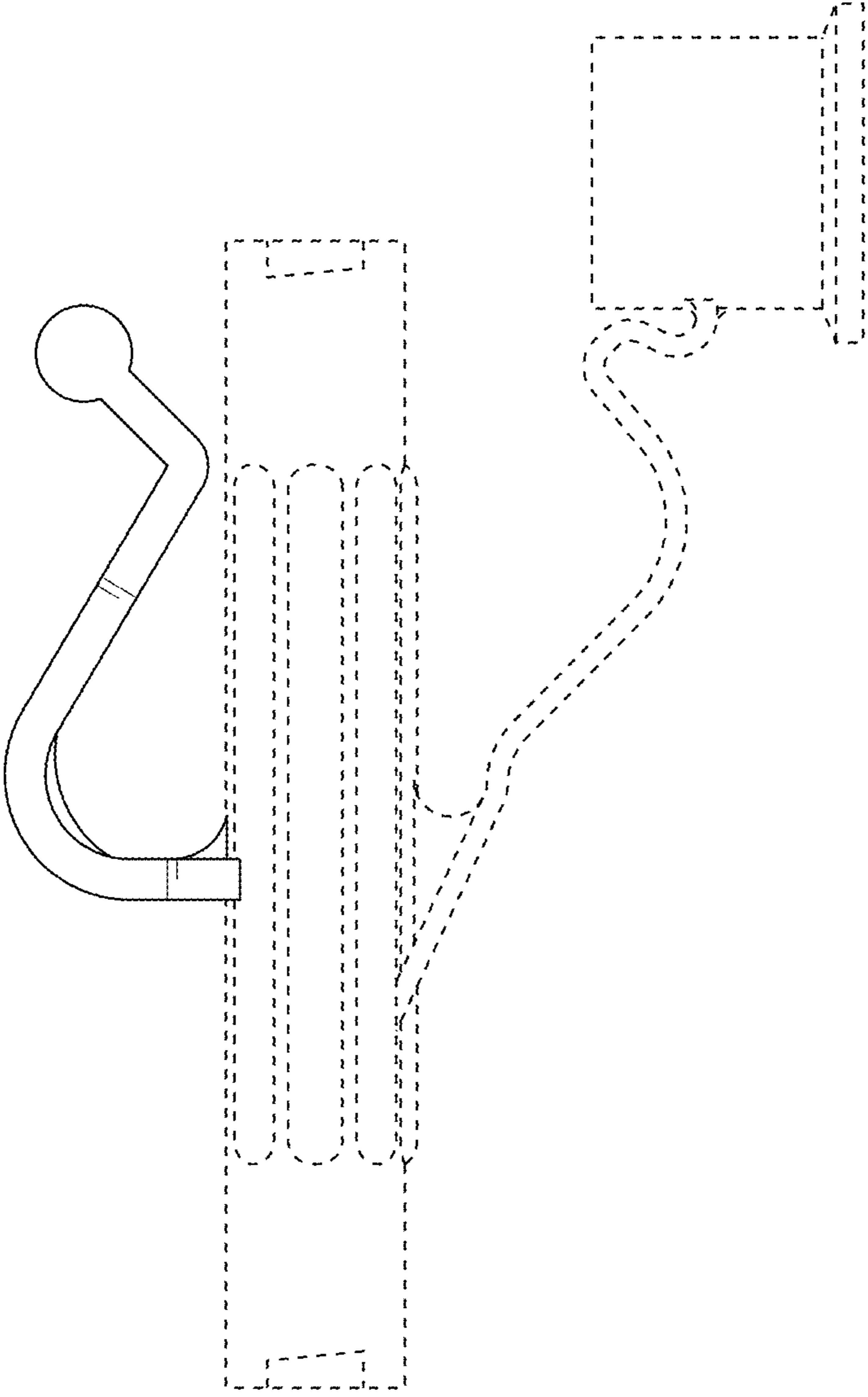


FIG.2

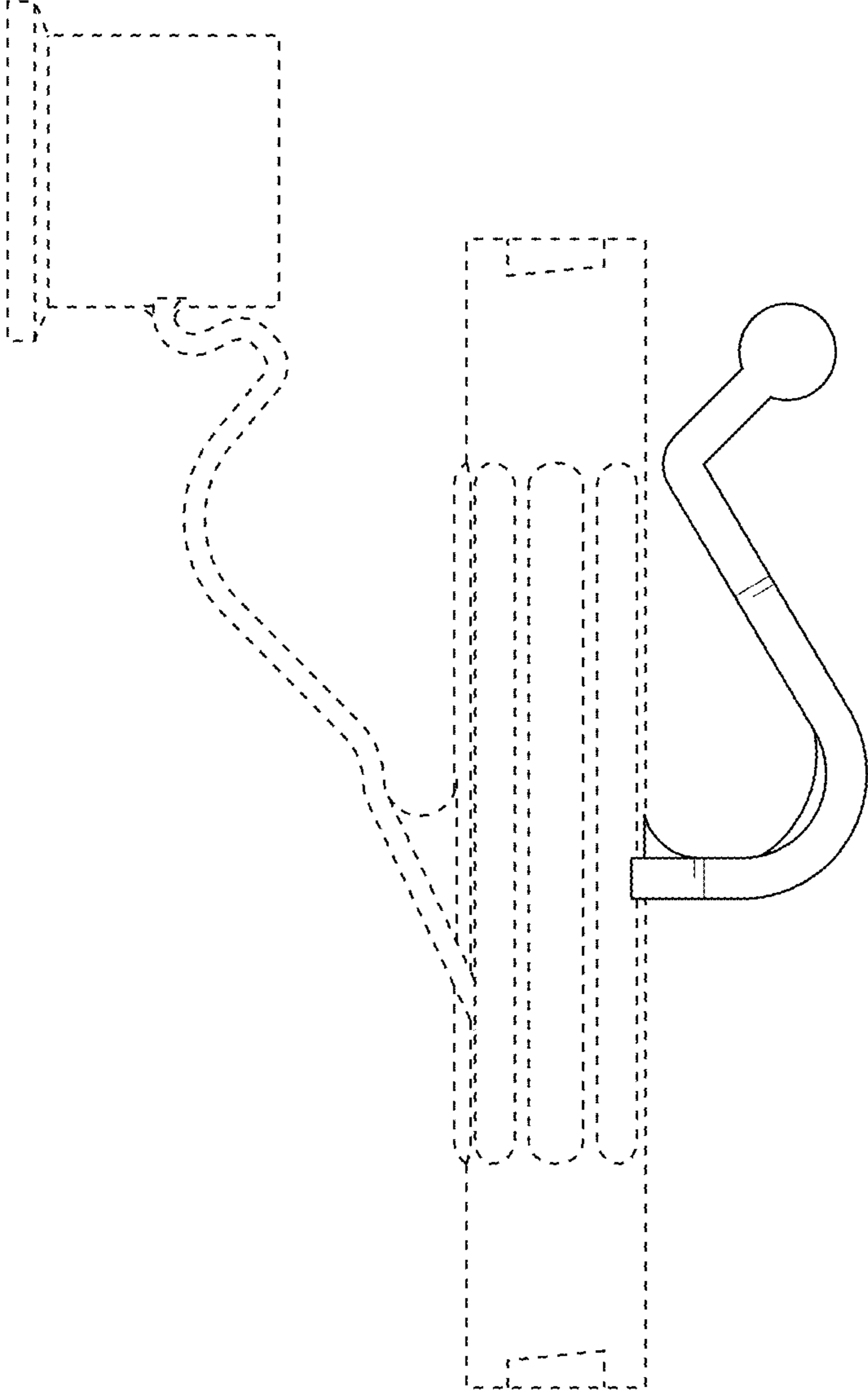


FIG. 3

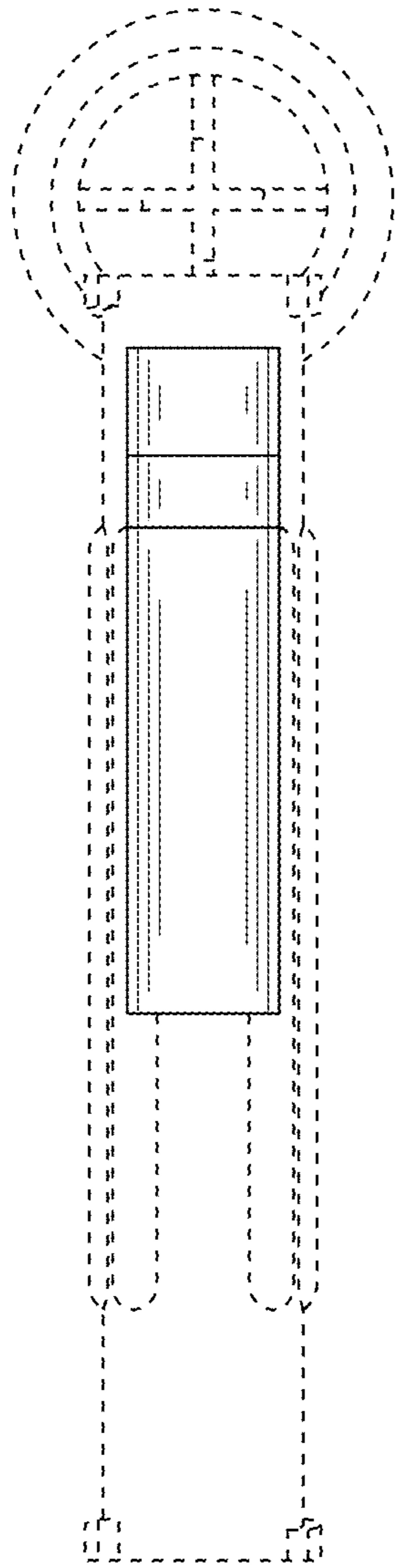


FIG.4

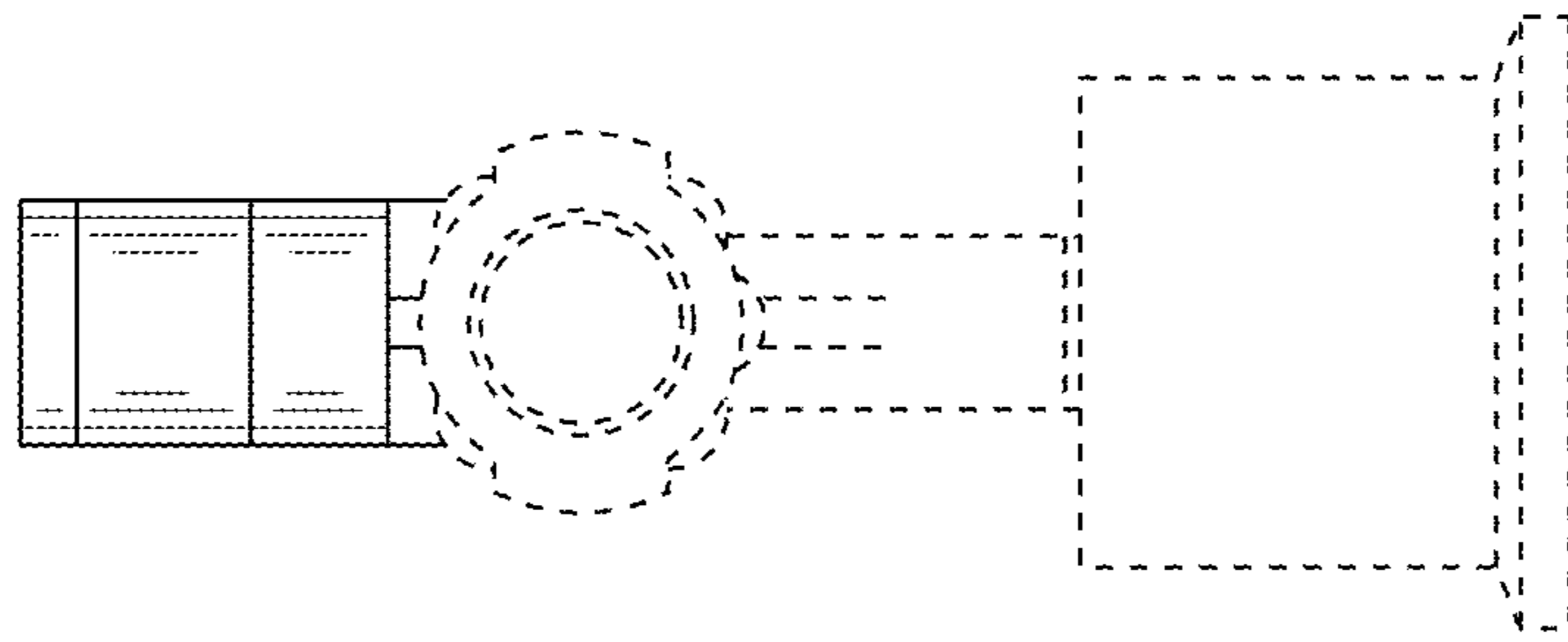


FIG. 5

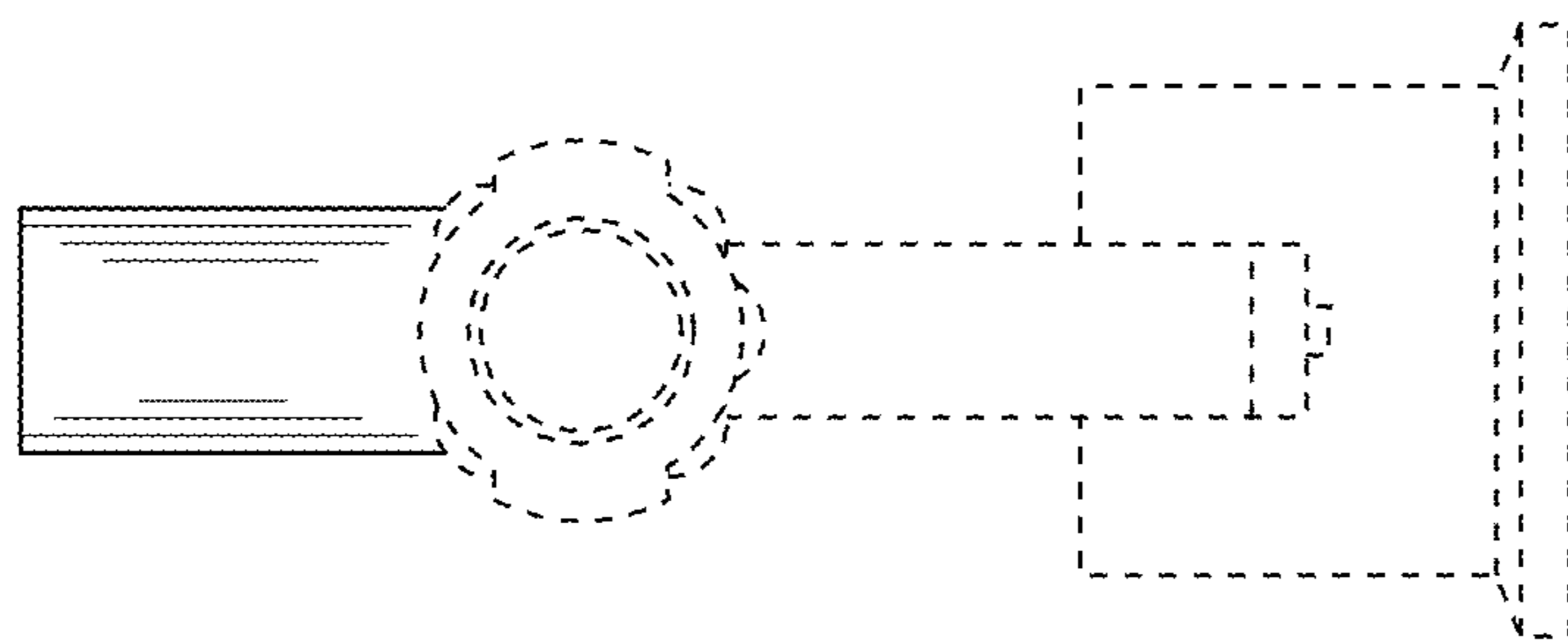


FIG. 6