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(12) **United States Design Patent**
Swessel et al.

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(54) **LIGHT FIXTURE**

(56) **References Cited**

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U.S. PATENT DOCUMENTS

4,182,532 A 1/1980 Walker, Sr.
4,206,495 A 6/1980 McCaslin
4,585,298 A 4/1986 Mori
5,097,395 A 3/1992 Aho et al.
5,432,876 A 7/1995 Appeldorn et al.
5,483,427 A 1/1996 Dealey, Jr. et al.

(Continued)

FOREIGN PATENT DOCUMENTS

DE 10259623 7/2004
EP 2572934 3/2013

(Continued)

OTHER PUBLICATIONS

United States Patent and Trademark Office, "Non-Final Office Action," issued in connection with U.S. Appl. No. 12/568,499, issued Jun. 19, 2014, 19 pages.

(Continued)

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

(57) **CLAIM**

(21) Appl. No.: **29/493,119**

The ornamental design for "light fixture," as shown and described in FIGS. 1-6.

(22) Filed: **Jun. 5, 2014**

DESCRIPTION

Related U.S. Application Data

(63) Continuation of application No. 12/568,499, filed on Sep. 28, 2009.

(51) **LOC (10) Cl.** **26-04**

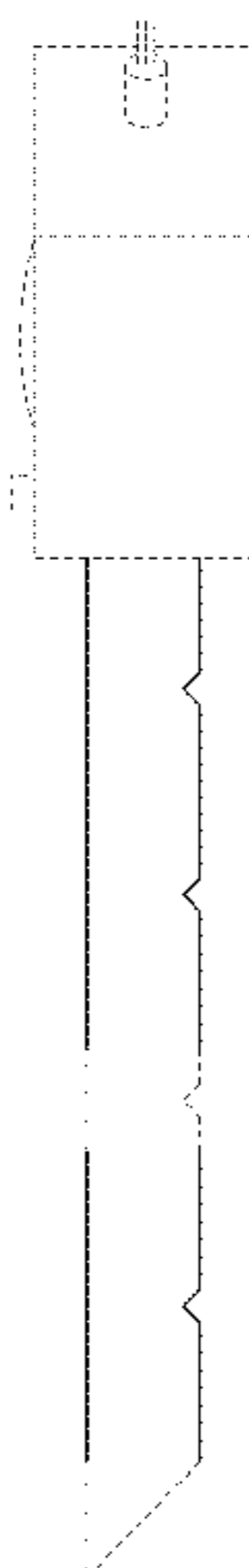
(52) **U.S. Cl.**
USPC **D26/3**

(58) **Field of Classification Search**
USPC 313/313, 315, 316, 317, 318, 493;
315/52, 53, 56, 57, 58

See application file for complete search history.

FIG. 1 is a front view of a first example light fixture. FIG. 2 is another front view of the light fixture of FIG. 1. FIG. 3 is a front view of the light fixture of FIG. 1 showing one of the light emitting rods decoupled from the housing. FIG. 4 is a right side view of the example light fixture of FIGS. 1 and 2. FIG. 5 is a back view of one of the light emitting rods of the example light fixture of FIG. 1; and, FIG. 6 is a front view of one of the light emitting rods of the example light fixture of FIG. 1. The features shown in broken lines form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

5,573,327	A	11/1996	Dealey, Jr. et al.	
5,659,643	A	8/1997	Appeldorn et al.	
5,709,458	A	1/1998	Metz	
5,722,758	A	3/1998	Huang	
5,845,038	A	12/1998	Lundin et al.	
6,367,941	B2	4/2002	Lea et al.	
6,431,717	B1	8/2002	Anderson et al.	
6,474,858	B1	11/2002	Liao	
6,502,956	B1	1/2003	Wu	
6,577,794	B1	6/2003	Currie et al.	
6,799,880	B2	10/2004	Gozum et al.	
D506,274	S *	6/2005	Moriyama et al.	D26/3
7,194,184	B2	3/2007	Buelow, II et al.	
7,407,217	B2	8/2008	Compaan	
7,549,783	B2	6/2009	Cassarly et al.	
D606,673	S *	12/2009	Kao	D26/3
D610,274	S *	2/2010	Cho	D26/2
D611,172	S *	3/2010	Lin et al.	D26/3
D636,504	S *	4/2011	Duster	D26/3
D674,930	S *	1/2013	Zhang	D26/3
9,096,170	B2	8/2015	Swessel et al.	
2002/0018350	A1	2/2002	Lepley et al.	
2002/0122637	A1	9/2002	Anderson et al.	
2003/0151912	A1	8/2003	Ancel	
2003/0194189	A1	10/2003	Grothe et al.	
2004/0032747	A1	2/2004	Currie et al.	
2004/0226228	A1	11/2004	Digmann et al.	
2005/0231973	A1	10/2005	Cassarly et al.	
2005/0254249	A1	11/2005	Robbins, III	
2006/0114684	A1	6/2006	Marquez	
2007/0283636	A1	12/2007	Bernacki et al.	
2008/0127435	A1	6/2008	Maly et al.	
2011/0075441	A1	3/2011	Swessel et al.	

FOREIGN PATENT DOCUMENTS

EP	2572935	3/2013
FR	2220144	9/1974
FR	2886238	12/2006
JP	2004332385	11/2004
WO	97/18105	5/1997
WO	98/33008	7/1998
WO	00/63613	10/2000
WO	2005/095848	10/2005

OTHER PUBLICATIONS

United States Patent and Trademark Office, "Final Office Action," issued in connection with U.S. Appl. No. 12/568,499, issued Dec. 26, 2013, 21 pages.

United States Patent and Trademark Office, "Non-Final Office Action," issued in connection with U.S. Appl. No. 12/568,499, issued Jul. 30, 2013, 19 pages.

United States Patent and Trademark Office, "Final Office Action," issued in connection with U.S. Appl. No. 12/568,499, issued Sep. 7, 2012, 19 pages.

United States Patent and Trademark Office, "Non-Final Office Action," issued in connection with U.S. Appl. No. 12/568,499, issued May 16, 2012, 17 pages.

United States Patent and Trademark Office, "Final Office Action," issued in connection with U.S. Appl. No. 12/568,499, issued Jan. 23, 2012, 15 pages.

United States Patent and Trademark Office, "Non-Final Office Action," issued in connection with U.S. Appl. No. 12/568,499, issued Apr. 15, 2011, 13 pages.

United States Patent and Trademark Office, "Advisory Action," issued in connection with U.S. Appl. No. 12/568,499, issued Nov. 28, 2012, 3 pages.

Australian Patent Office, "Patent Examination Report No. 2," issued in connection with Australian application serial No. 2010298499, issued Dec. 9, 2013, 4 pages.

Australian Patent Office, "Patent Examination Report No. 1," issued in connection with Australian application serial No. 2010298499, issued Nov. 16, 2012, 4 pages.

Canadian Intellectual Property Office, "Office Action," issued in connection with Canadian Patent Application No. 2,774,370, dated Feb. 11, 2014, 2 pages.

European Patent Office, "Communication pursuant to Article 94(3) EPC," issued in connection with EP Application No. 10760842.4, Sep. 3, 2013, 7 pages.

European Patent Office, "Extended European Search Report," issued in connection with EP Application No. 12008213.6, Sep. 2, 2013, 6 pages.

European Patent Office, "Extended European Search Report," issued in connection with EP Application No. 12008212.8, Sep. 2, 2013, 7 pages.

Patent Cooperation Treaty, "Invitation to Pay Additional Fee's and Partial Search Report," issued in connection with international application serial No. PCT/US2010/049337, mailed Dec. 22, 2010, 9 pages.

Patent Cooperation Treaty, "International Search Report," issued in connection with international application serial No. PCT/US2010/049337, mailed Mar. 16, 2011, 6 pages.

Patent Cooperation Treaty, "Written Opinion of the International Searching Authority," issued in connection with international application serial No. PCT/US2010/049337, mailed Mar. 16, 2011, 14 pages.

Patent Cooperation Treaty, "International Preliminary Report on Patentability," issued in connection with international application serial No. PCT/US2010/049337, mailed Apr. 12, 2012, 15 pages.

Jeff Hecht, "Understanding Fiber," 2nd ed., Indianapolis, IN, Sams, 1993, reproduced by The Physics Fact Book, retrieved on Jun. 5, 2014, <http://hypertextbook.com/facts/1997/LaurenBoyd.shtml>, 2 pages.

"Fibre Optics," Encyclopedia Britannica, vol. IV., 1974, reproduced by The Physics Fact Book, retrieved on Apr. 20, 2012, <http://hypertextbook.com/facts/1997/LaurenBoyd.shtml>, 2 pages.

Fiber Optics, The American Heritage® Dictionary of the English Language, Fourth Edition copyright © 2000 by Houghton Mifflin Company, retrieved from the internet on Apr. 20, 2012, published by Houghton Mifflin Company, retrieved from the free dictionary by Farlex, www.freedictionary.com/fiber-optic, 1 page.

Pdf copy of webpage: <http://web.archive.org/web/20070829182145/http://www.lrc.rpi.edu/programs/Futures/LFHannover97/index.asp>, dated Aug. 29, 2007, 6 pages.

The United States Patent and Trademark Office, "Final Office Action," issued in connection with U.S. Appl. No. 12/568,499, mailed on Jan. 14, 2015, 29 pages.

IP Australia, "Notice of Acceptance," issued in connection with Australian Patent Application No. 20100298499, on Aug. 5, 2014, 3 pages.

Canadian Intellectual Property Office, "Office Action", issued in connection with Canadian Patent Application No. 2,774,370, dated Feb. 20, 2015 (5 pages).

United States Patent and Trademark Office, "Notice of Allowance", issued in connection with U.S. Appl. No. 12/568,499, dated Mar. 27, 2015 (31 pages).

Canadian Intellectual Property Office, "Office Action," issued in connection with Application No. 2,774,370, Oct. 28, 2015, 3 pages.

* cited by examiner

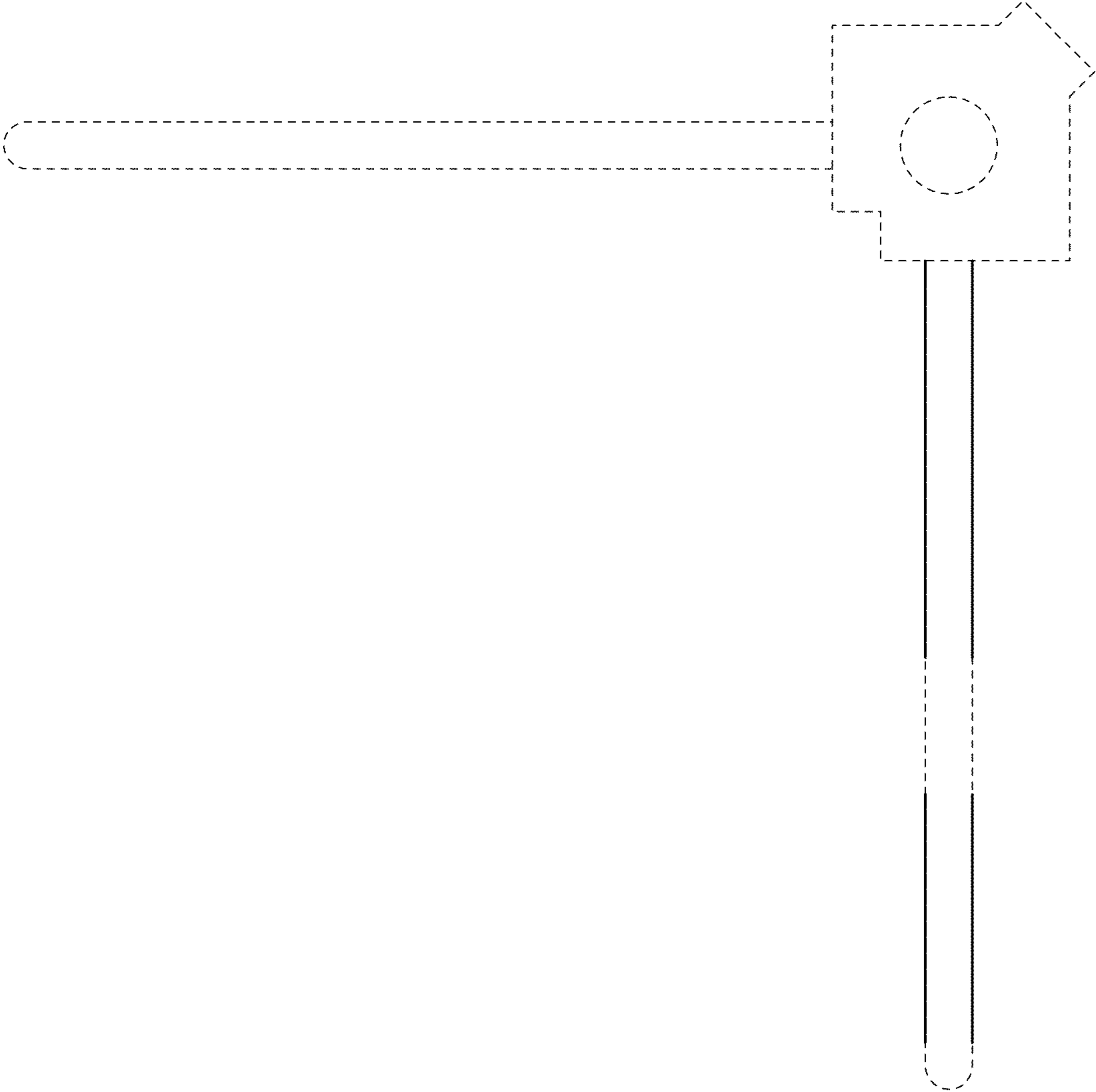


FIG. 1

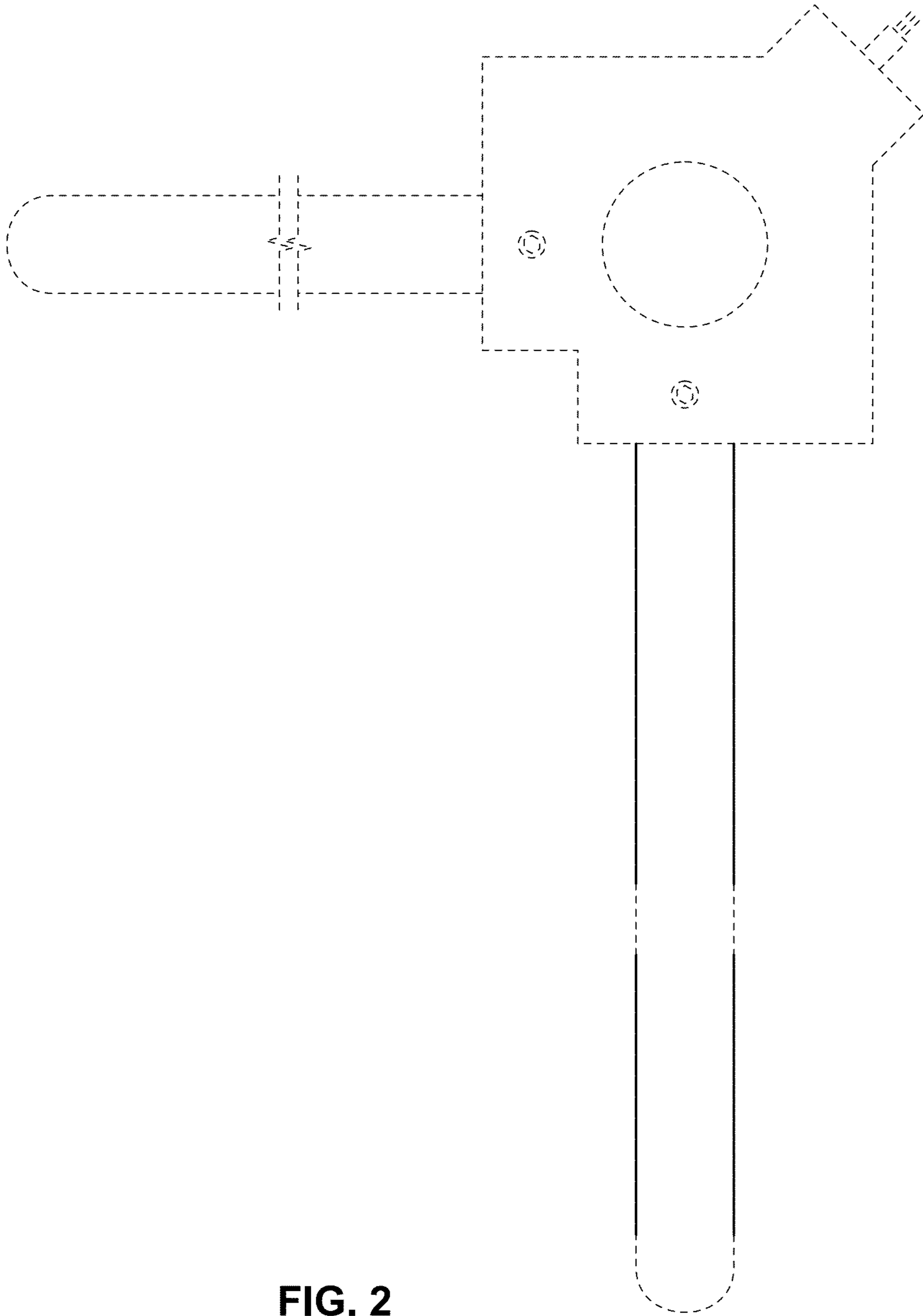


FIG. 2

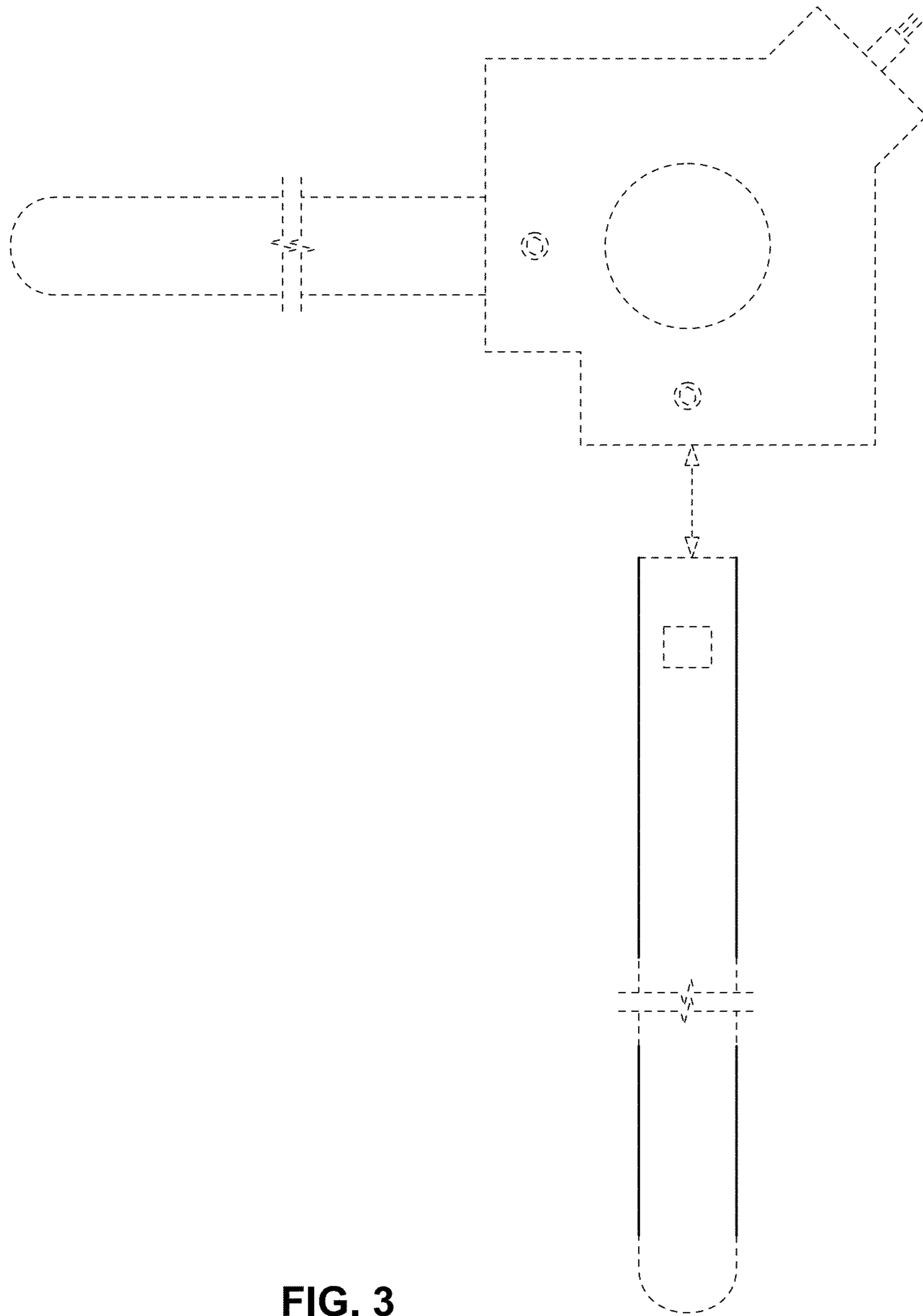


FIG. 3

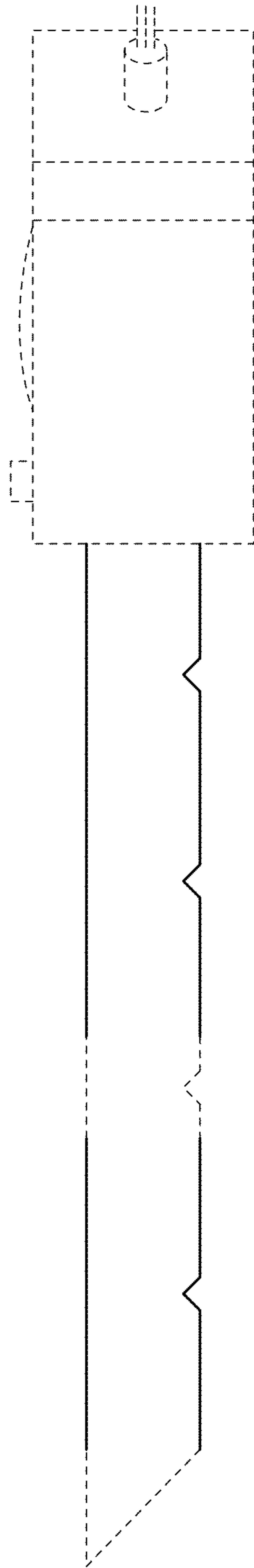


FIG. 4



FIG. 5

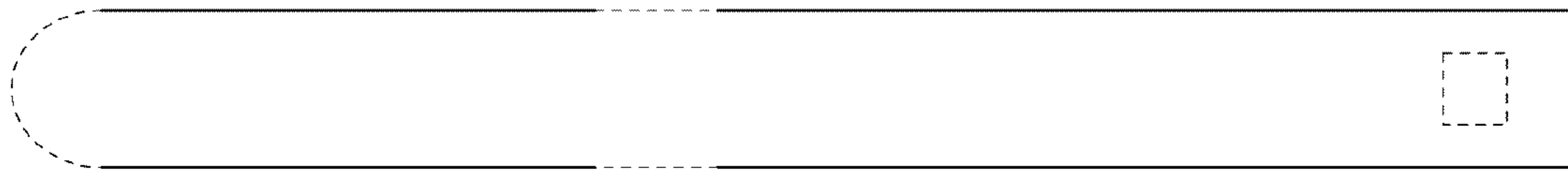


FIG. 6