

US00D864384S

(12) **United States Design Patent** (10) **Patent No.:** **US D864,384 S**  
**Parkhurst** (45) **Date of Patent:** **\*\* Oct. 22, 2019**

(54) **SPLIT-LOOP OFFSET CATHETER SECUREMENT DEVICE**

*Primary Examiner* — David G Muller  
(74) *Attorney, Agent, or Firm* — Boyle Fredrickson, S.C.

(71) Applicant: **TIDI Products, LLC**, Neenah, WI (US)

(57) **CLAIM**  
The ornamental design for a split-loop offset catheter securement device, substantially as shown and described.

(72) Inventor: **Arthur Parkhurst**, Ocala, FL (US)

**DESCRIPTION**

(73) Assignee: **TIDI Products, LLC**, Neenah, WI (US)

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

(21) Appl. No.: **29/577,623**

(22) Filed: **Sep. 14, 2016**

**Related U.S. Application Data**

(63) Continuation-in-part of application No. 15/174,425, filed on Jun. 6, 2016, now Pat. No. 9,814,863, which (Continued)

(51) **LOC (12) Cl.** ..... **24-02**

(52) **U.S. Cl.**  
USPC ..... **D24/128**

(58) **Field of Classification Search**  
USPC ..... D24/127–131, 112–114, 133, 186; 606/181, 185; 604/264, 523–528, 272, (Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

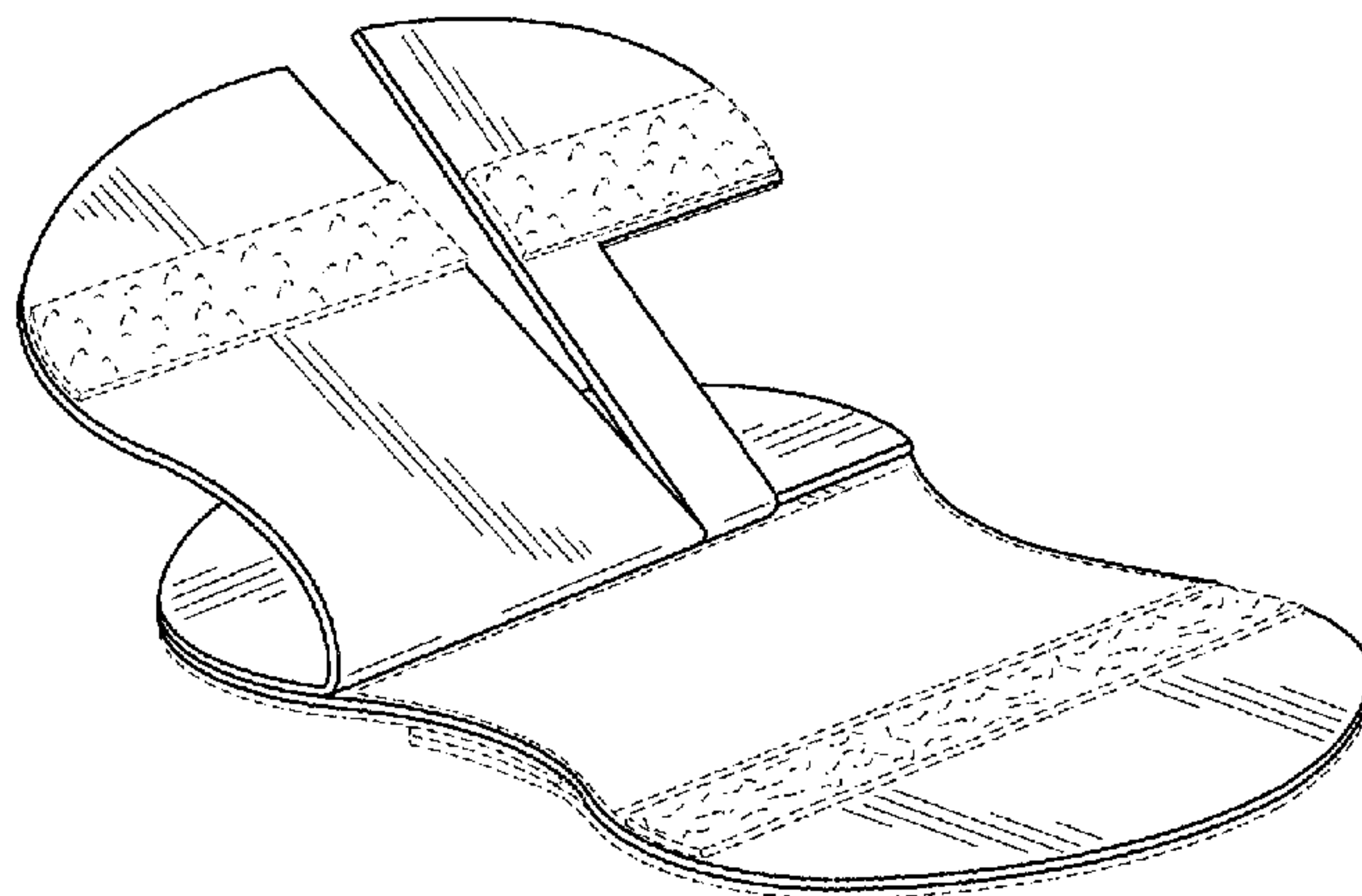
3,133,158 A 6/1964 Gordon et al.  
3,167,072 A 1/1965 Stone et al.  
(Continued)

**FOREIGN PATENT DOCUMENTS**

CN 203123273 U 8/2013  
DE 200 20 326 U1 2/2001  
(Continued)

FIG. 1 is a top plan view of a catheter securement device with an offset split loop retention member;  
FIG. 2 is a top isometric view of the catheter securement device according to FIG. 1 with both of the split loop retention members lifted in an open position;  
FIG. 3 is a bottom elevation view of the catheter securement device according to FIG. 1;  
FIG. 4 is a right side view of the catheter securement device according to FIG. 1;  
FIG. 5 is a left side view of the catheter securement device according to FIG. 1;  
FIG. 6 is a front side view of the catheter securement device according to FIG. 1;  
FIG. 7 is a back side view of the catheter securement device according to FIG. 1;  
FIG. 8 is a top plan view of a catheter securement device according to FIG. 1 where a catheter hub is secured beneath a first of the two retention members;  
FIG. 9 is a top plan view of the catheter securement device according to FIG. 8 where a first lumen is secured beneath a second of the two retention members and a second lumen is located above the second of the two retention members;  
FIG. 10 is a perspective view of the catheter securement device according to FIG. 9 where the lumens are being pulled upwardly to show that the forces of the first lumen are being accepted by a different one of the two retention members than the forces of the second lumen;  
FIG. 11 is a right side view of the catheter securement device according to FIG. 10 where the lumens are being pulled upwardly to show that the forces of the first lumen are being accepted by a different one of the two retention members than the forces of the second lumen; and,  
FIG. 12 is a top plan view of the catheter securement device according to FIG. 9 where the lumens are being pulled axially.

(Continued)



The broken lines in the figures illustrate environmental structures and portions of the design that form no part of the claimed design.

**1 Claim, 5 Drawing Sheets**

**Related U.S. Application Data**

is a continuation-in-part of application No. 14/209,113, filed on Mar. 13, 2014, now Pat. No. 9,358,366.

(58) **Field of Classification Search**

USPC ..... 604/187, 158, 164.01–164.11, 181, 184, 604/227; 600/101, 139, 143; 128/200.24, 207.14, 207.15  
CPC .... A61M 5/42; A61M 25/0612; A61M 25/00; A61M 39/00; A61M 27/00; A61M 25/0043; A61M 25/0067; A61M 25/0097; A61F 2/958

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,826,254	A	7/1974	Mellor
3,834,380	A	9/1974	Boyd
3,918,446	A	11/1975	Buttaravoli
3,973,565	A	8/1976	Steer
4,129,128	A	12/1978	McFarlane
4,250,880	A	2/1981	Gordon
4,460,356	A	7/1984	Moseley
4,490,141	A	12/1984	Lacko et al.
4,519,793	A	5/1985	Galindo
4,699,616	A	10/1987	Nowak et al.
4,717,385	A	1/1988	Cameron et al.
4,757,411	A	8/1988	Edmunds
4,822,342	A	4/1989	Brawner
4,838,868	A	6/1989	Forgar et al.
4,863,432	A	9/1989	Kvalo
4,874,380	A	10/1989	Hesketh
4,915,694	A	4/1990	Yamamoto et al.
5,037,397	A	8/1991	Kalk et al.
5,192,274	A	3/1993	Bierman
5,215,532	A	6/1993	Atkinson
5,219,336	A	6/1993	Wilk
5,224,935	A	7/1993	Hollands
5,232,453	A	8/1993	Plass et al.
5,236,421	A	8/1993	Becher
5,282,791	A	2/1994	Lipton et al.
5,370,627	A	12/1994	Conway
5,380,294	A	1/1995	Persson
5,413,562	A	5/1995	Swauger
5,685,859	A	11/1997	Kornerup
6,273,873	B1	8/2001	Fleischer
6,419,660	B1	7/2002	Russo
6,428,516	B1	8/2002	Bierman

D470,936	S	2/2003	Bierman
6,689,104	B2	2/2004	Bierman
D492,411	S *	6/2004	Bierman ..... D24/128
6,765,122	B1	7/2004	Stout
6,770,055	B2	8/2004	Bierman et al.
6,827,706	B2	12/2004	Tollini
6,837,875	B1	1/2005	Bierman
6,866,652	B2	3/2005	Bierman
D503,977	S *	4/2005	Bierman ..... D24/128
6,875,200	B1	4/2005	Ajagbe
6,929,625	B2	8/2005	Bierman
6,951,550	B2	10/2005	Bierman
6,979,320	B2	12/2005	Bierman
7,018,362	B2	3/2006	Bierman et al.
D528,206	S *	9/2006	Bierman ..... D24/128
7,137,968	B1	11/2006	Burrell et al.
7,524,307	B2	4/2009	Davis et al.
7,637,894	B2	12/2009	Fleisher
D608,444	S	1/2010	Kyvik et al.
D608,887	S	1/2010	Kyvik et al.
7,648,485	B2	1/2010	Fleisher
D616,091	S	5/2010	Kyvik et al.
D616,542	S	5/2010	Kyvik et al.
D616,983	S	6/2010	Kyvik et al.
7,766,880	B1	8/2010	Spinoza
D625,002	S *	10/2010	Kyvik ..... D24/128
7,812,212	B2	10/2010	Propp et al.
D652,509	S	1/2012	Kyvik et al.
8,128,602	B2	3/2012	Tollini et al.
8,157,770	B2	4/2012	Elwell et al.
D663,834	S	7/2012	Kyvik et al.
8,241,253	B2	8/2012	Bracken
8,251,957	B2	8/2012	Kyvik et al.
8,500,698	B2	8/2013	Kyvik et al.
8,608,706	B2	12/2013	Davis et al.
D703,317	S *	4/2014	Kinsey ..... D24/128
8,834,427	B2	9/2014	Kyvik et al.
D715,927	S *	10/2014	Kyvik ..... D24/128
D715,928	S	10/2014	Kyvik et al.
D717,946	S *	11/2014	Kyvik ..... D24/128
D720,849	S *	1/2015	Kyvik ..... D24/128
D735,854	S *	8/2015	Banks ..... D24/133
9,248,259	B2	2/2016	Kyvik et al.
D755,962	S *	5/2016	Adams ..... D24/128
9,358,366	B2	6/2016	Kyvik et al.
D780,914	S *	3/2017	Kyvik ..... D24/130
2002/0195114	A1	12/2002	Tollini
2010/0298778	A1	11/2010	Bracken
2011/0021997	A1	1/2011	Kyvik et al.
2012/0316504	A1	12/2012	Kyvik et al.
2013/0096507	A1	4/2013	Lelievre
2013/0150796	A1	6/2013	Souza et al.
2016/0067451	A1	3/2016	Kyvik et al.

FOREIGN PATENT DOCUMENTS

EP	0408389	A1	1/1991
GB	2 464 662	A	4/2010
KR	20-2008-0004611		10/2008
KR	10-2010-0114171		10/2010

\* cited by examiner



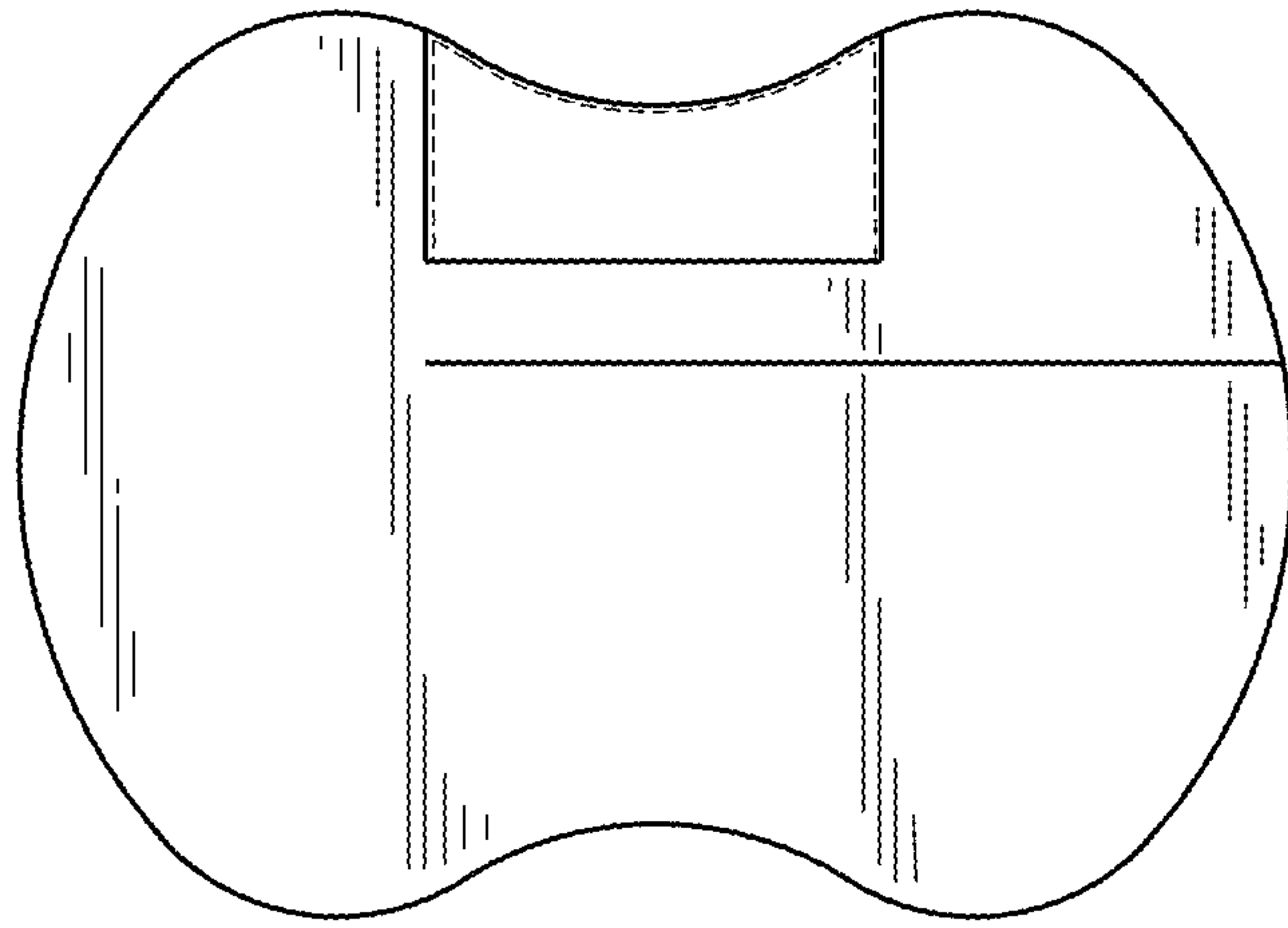


FIG. 1

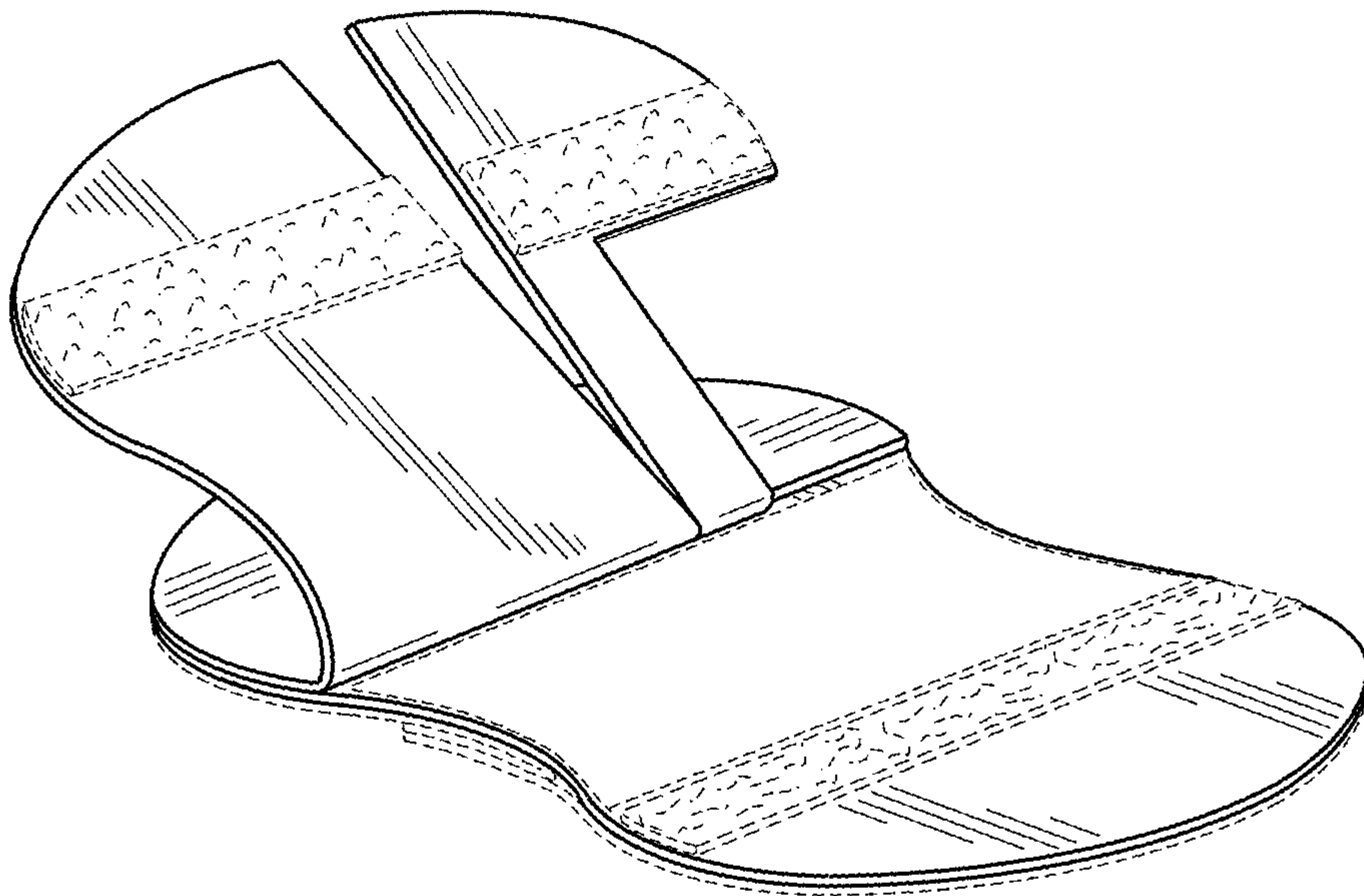


FIG. 2

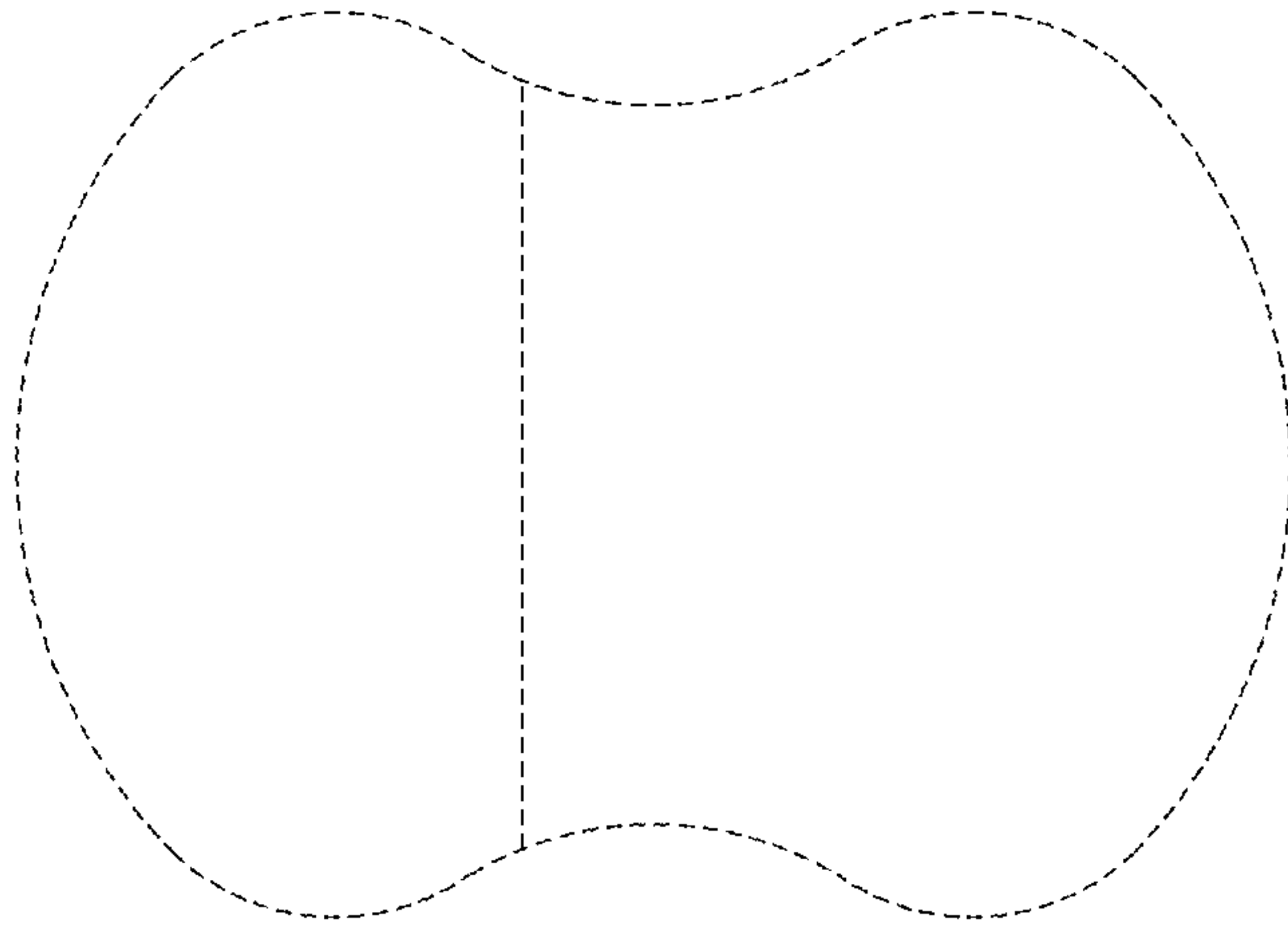


FIG. 3

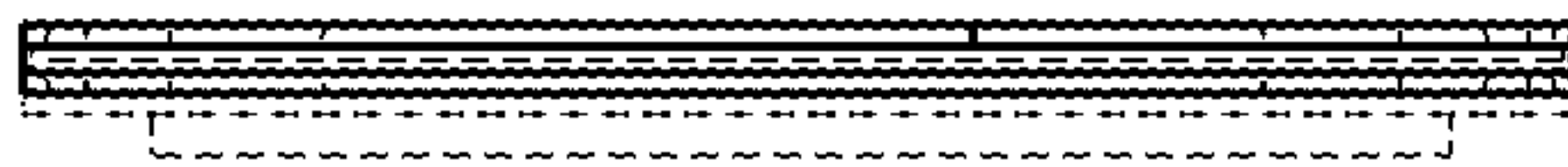


FIG. 4

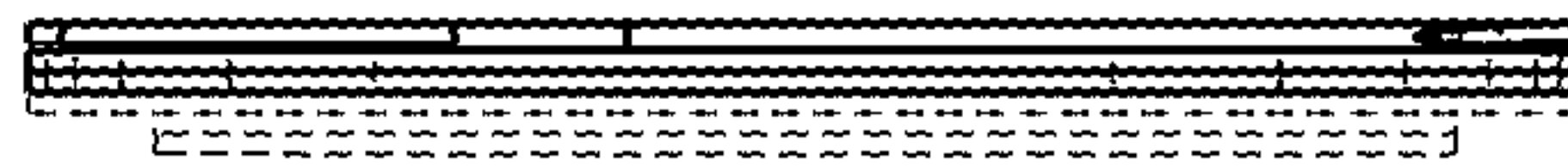


FIG. 5

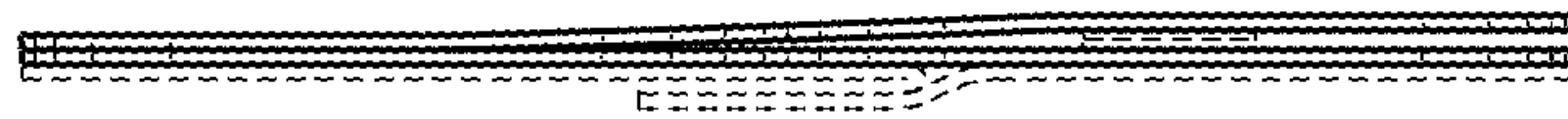


FIG. 6



FIG. 7

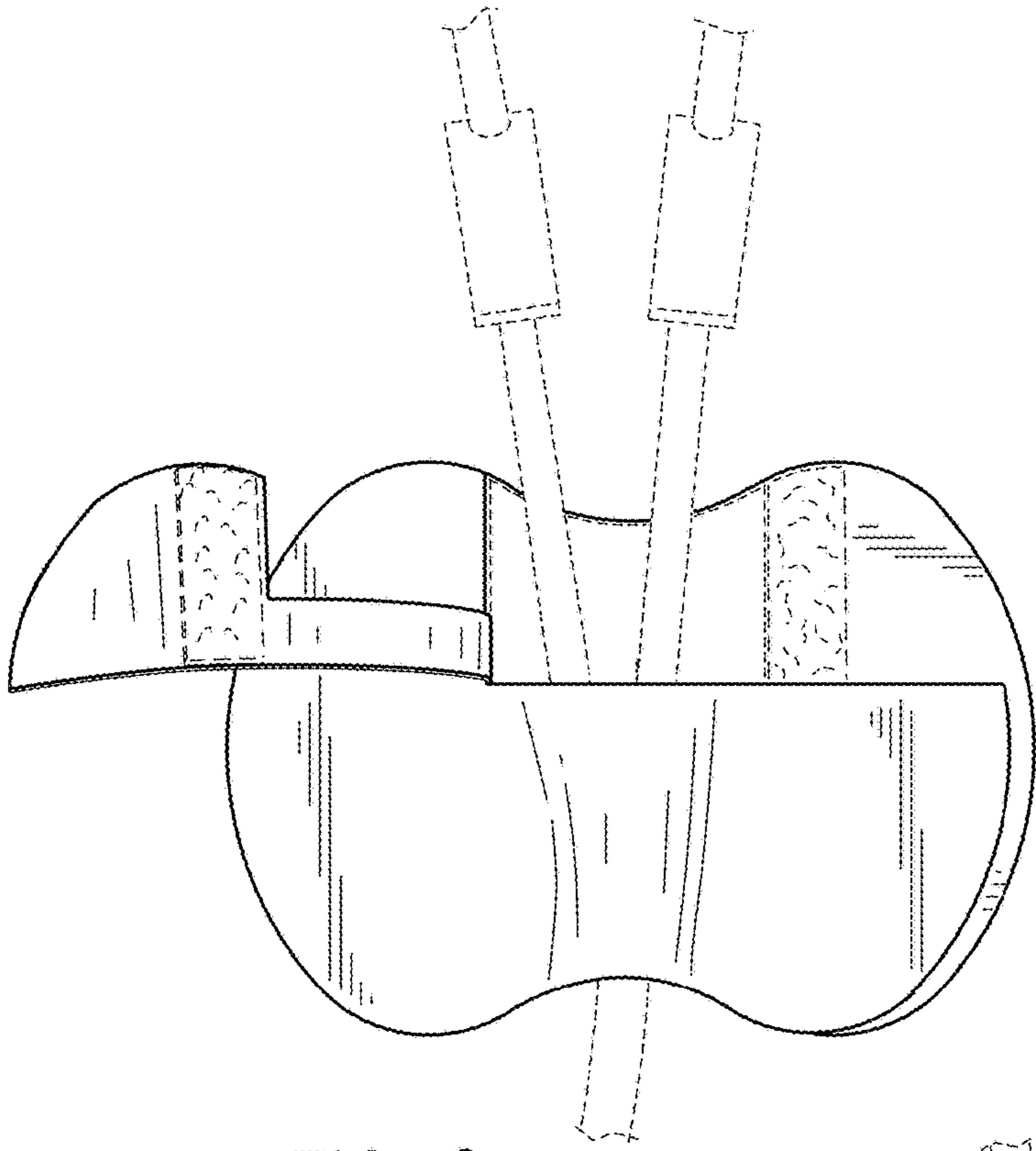


FIG. 8

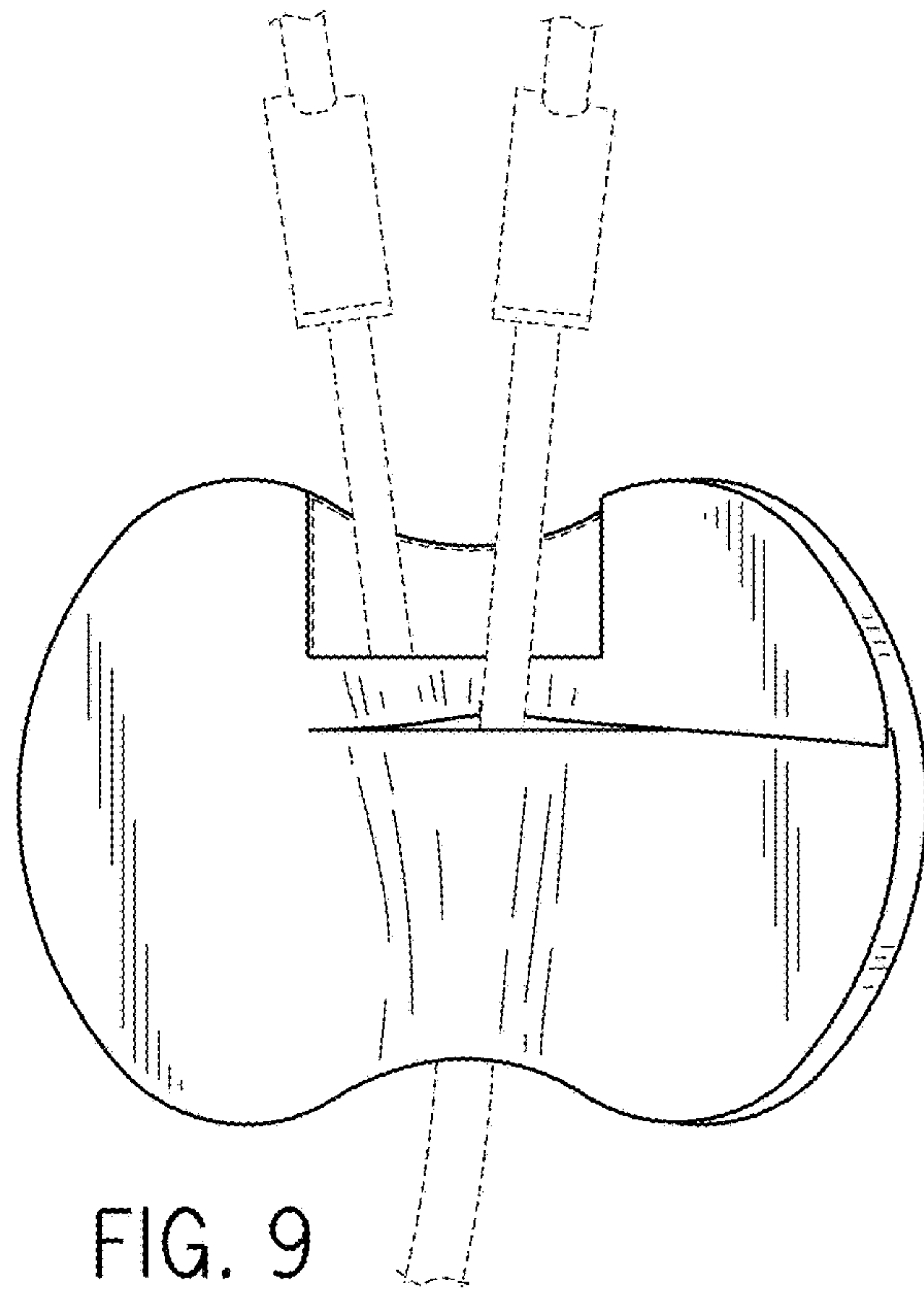


FIG. 9

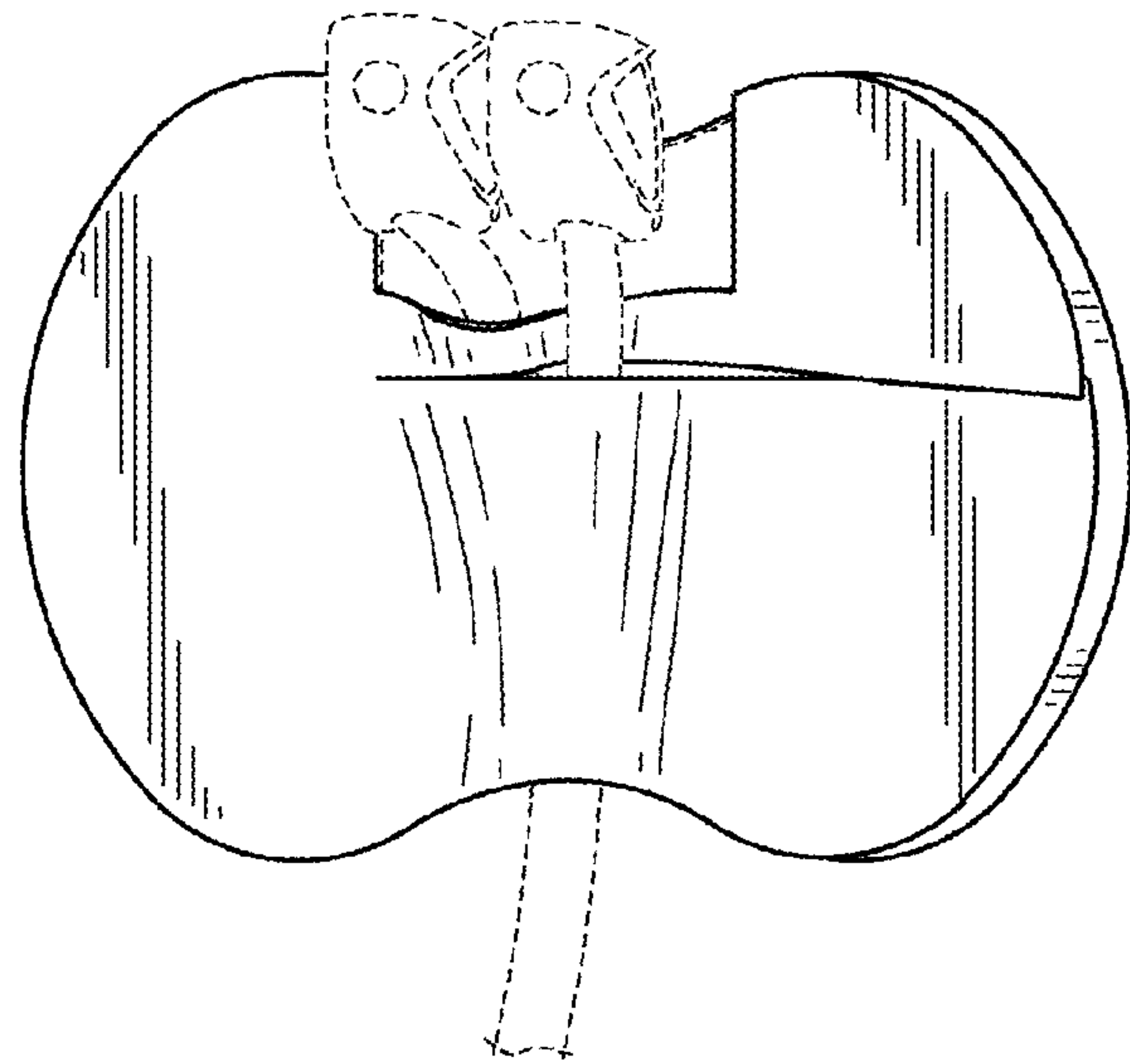


FIG. 10

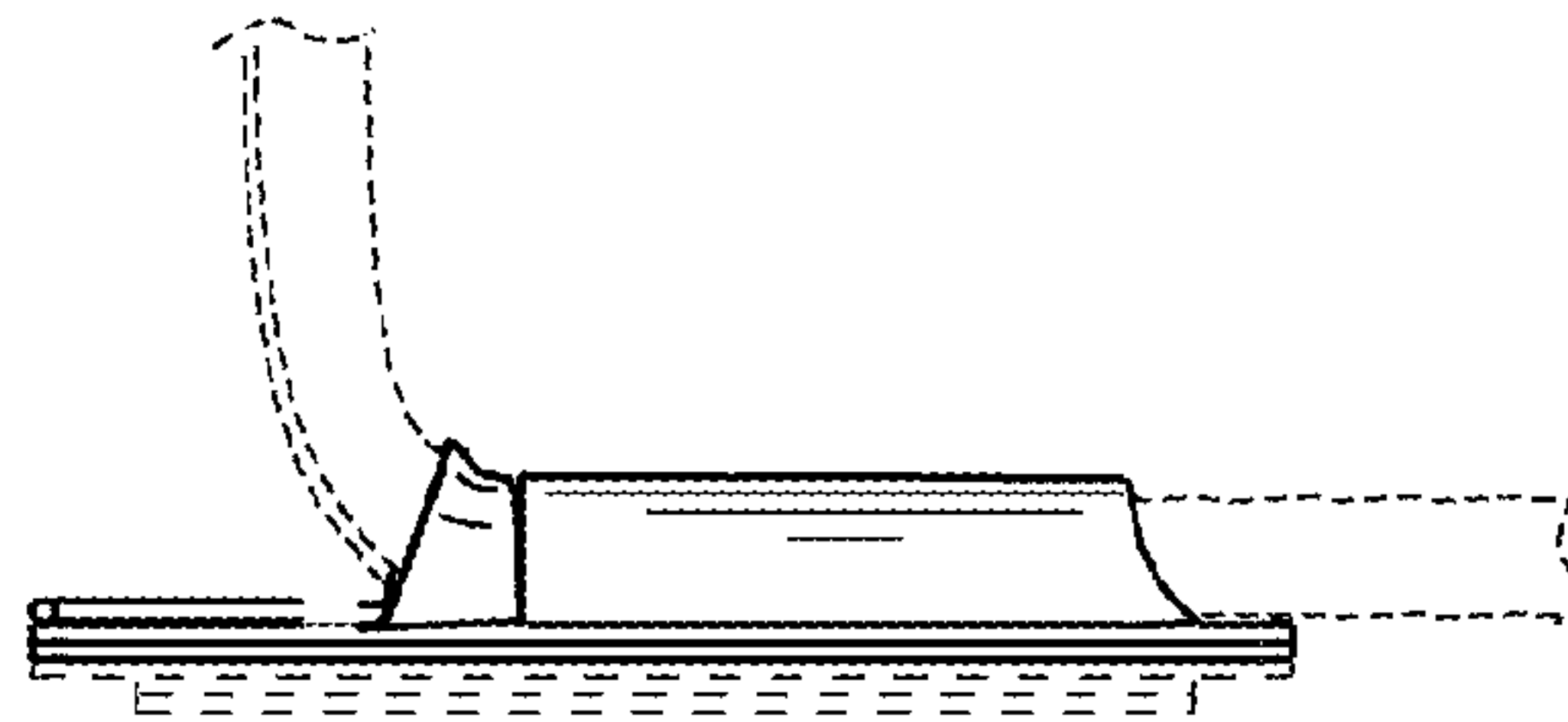


FIG. 11

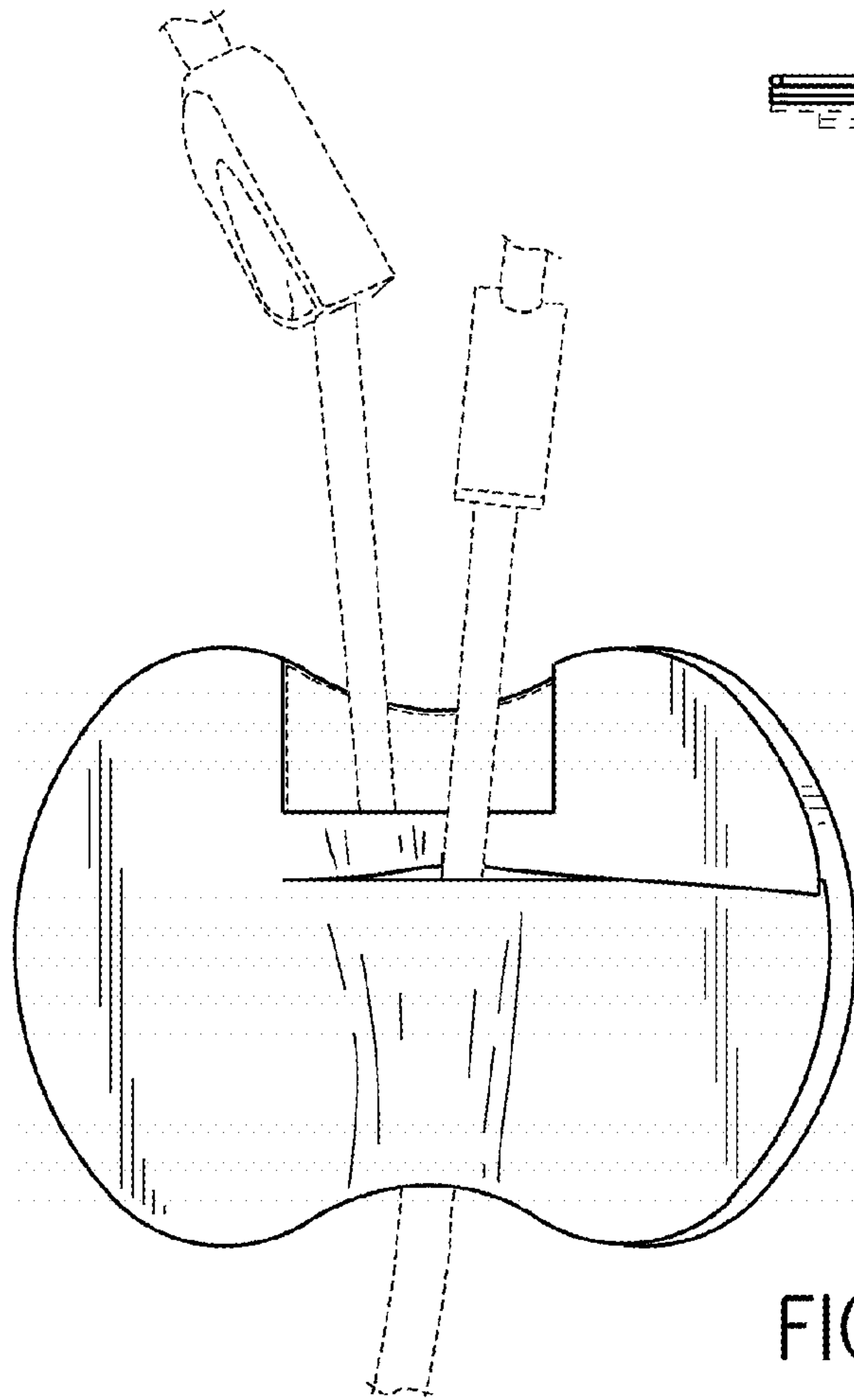


FIG. 12