



US00D894388S

(12) **United States Design Patent** (10) **Patent No.:** **US D894,388 S**  
**Alladu et al.** (45) **Date of Patent:** **\*\* Aug. 25, 2020**

(54) **SUTURE LOOP ANCHOR**

(71) Applicant: **Healthium Medtech Private Limited,**  
Bangalore (IN)

(72) Inventors: **Hemanth Kumar Alladu,** Bangalore (IN); **Vasuki Bk,** Bangalore (IN); **Krishna Mohan Rao Apparasu,** Bangalore (IN); **Mohammed Azeez,** Bangalore (IN); **Anoop Penupolu,** Bangalore (IN)

(73) Assignee: **Healthium Medtech Private Limited,** Bangalore, KA (IN)

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

(21) Appl. No.: **29/617,163**

(22) Filed: **Sep. 12, 2017**

(30) **Foreign Application Priority Data**

Mar. 13, 2017 (IN) ..... 291709

Mar. 13, 2017 (IN) ..... 291710

(Continued)

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

(52) **U.S. Cl.**  
USPC ..... **D24/145**

(58) **Field of Classification Search**  
USPC ..... D24/145; 606/232, 276, 60  
(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

3,910,281 A \* 10/1975 Kletschka ..... A61B 17/0401  
D24/145

5,127,412 A \* 7/1992 Cosmetto ..... A61B 17/0466  
D24/145

(Continued)

*Primary Examiner* — Wan Laymon

(74) *Attorney, Agent, or Firm* — Grandhi Law Chamber;  
Krishna Grandhi

(57) **CLAIM**

The ornamental design for a suture loop anchor, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a suture loop anchor showing an embodiment our new design;

FIG. 2 is a front elevational view of the suture loop anchor of FIG. 1;

FIG. 3 is a rear elevational view of the suture loop anchor of FIG. 1;

FIG. 4 is a side elevational view of the suture loop anchor of FIG. 1, the opposite side elevational view being a mirror image thereof; and

FIG. 5 is a top plan view of the suture loop anchor of FIG. 1; the bottom plan view being a mirror image thereof;

FIG. 6 is a perspective view of a suture loop anchor showing a second embodiment our new design;

FIG. 7 is a front elevational view of the suture loop anchor of FIG. 6;

FIG. 8 is a rear elevational view of the suture loop anchor of FIG. 6;

FIG. 9 is a side elevational view of the suture loop anchor of FIG. 6, the opposite side elevational view being a mirror image thereof; and

FIG. 10 is a top plan view of the suture loop anchor of FIG. 6; the bottom plan view being a mirror image thereof;

FIG. 11 is a perspective view of a suture loop anchor showing a third embodiment our new design;

FIG. 12 is a front elevational view of the suture loop anchor of FIG. 11, the left-side elevational view being a mirror image thereof;

FIG. 13 is a rear elevational view of the suture loop anchor of FIG. 11, the right-side elevational view being a mirror image thereof; and

(Continued)

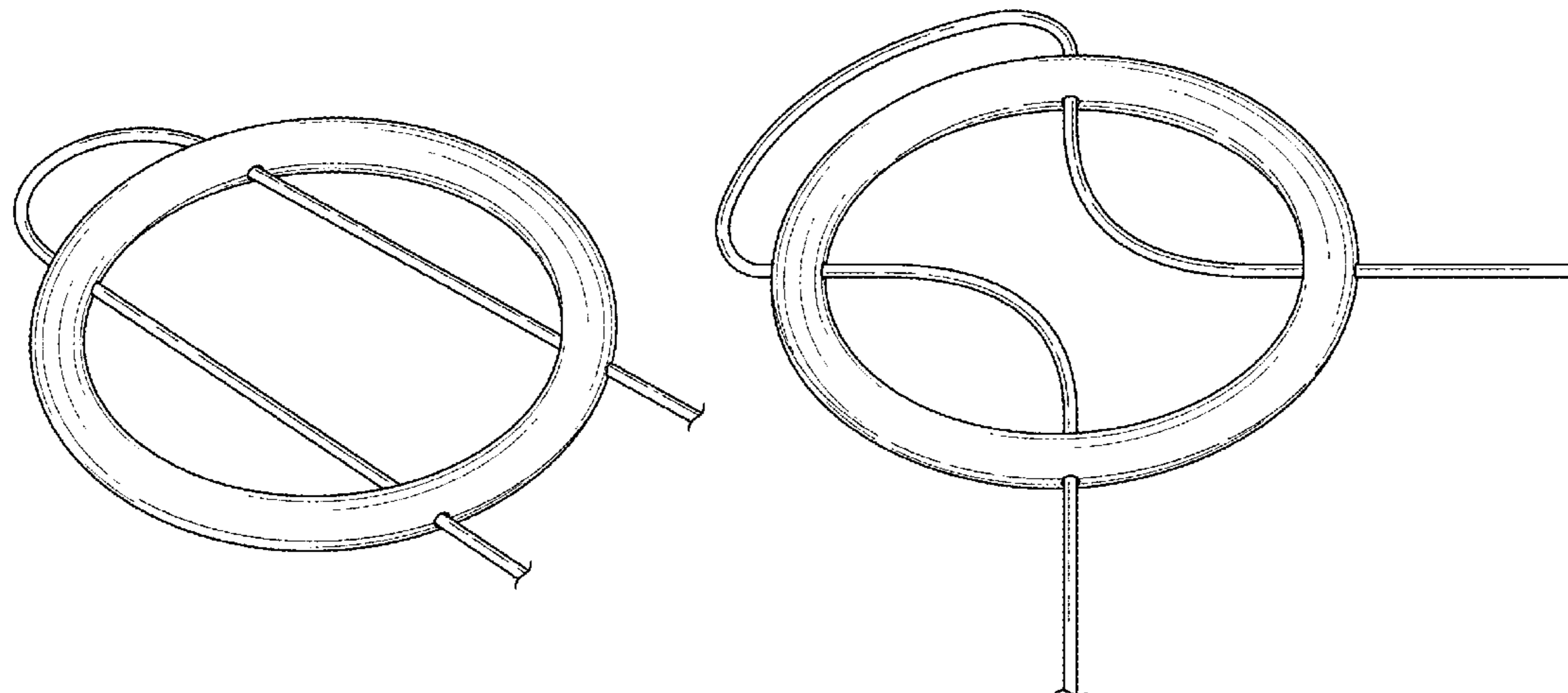


FIG. 14 is a top plan view of the suture loop anchor of FIG. 11; the bottom plan view being a mirror image thereof;  
 FIG. 15 is a perspective view of a suture loop anchor showing a fourth embodiment our new design;  
 FIG. 16 is a front elevational view of the suture loop anchor of FIG. 15, the left-side elevational view being a mirror image thereof;  
 FIG. 17 is a rear elevational view of the suture loop anchor of FIG. 15, the right-side elevational view being a mirror image thereof; and  
 FIG. 18 is a top plan view of the suture loop anchor of FIG. 15; the bottom plan view being a mirror image thereof;  
 FIG. 19 is a perspective view of a suture loop anchor showing a fifth embodiment our new design;  
 FIG. 20 is a front elevational view of the suture loop anchor of FIG. 19;  
 FIG. 21 is a rear elevational view of the suture loop anchor of FIG. 19;  
 FIG. 22 is a side elevational view of the suture loop anchor of FIG. 19, the opposite side elevational view being a mirror image thereof; and  
 FIG. 23 is a top plan view of the suture loop anchor of FIG. 19; the bottom plan view being a mirror image thereof;  
 FIG. 24 is a perspective view of a suture loop anchor showing a sixth embodiment our new design;  
 FIG. 25 is a front elevational view of the suture loop anchor of FIG. 24;  
 FIG. 26 is a rear elevational view of the suture loop anchor of FIG. 24;  
 FIG. 27 is a side elevational view of the suture loop anchor of FIG. 24, the opposite side elevational view being a mirror image thereof; and  
 FIG. 28 is a top plan view of the suture loop anchor of FIG. 24; the bottom plan view being a mirror image thereof;  
 FIG. 29 is a perspective view of a suture loop anchor showing a seventh embodiment our new design;  
 FIG. 30 is a front elevational view of the suture loop anchor of FIG. 29, the rear elevational view being a mirror image thereof;  
 FIG. 31 is a left-side elevational view of the suture loop anchor of FIG. 29;  
 FIG. 32 is a right-side elevational view of the suture loop anchor of FIG. 29; and,  
 FIG. 33 is a top plan view of the suture loop anchor of FIG. 29; the bottom plan view being a mirror image thereof.  
 The broken lines shown in the drawings are included for purposes of illustrating portions of the design or environment and form no part of the claimed design.

1 Claim, 33 Drawing Sheets

(30) **Foreign Application Priority Data**

Mar. 13, 2017	(IN)	.....	291711
Mar. 13, 2017	(IN)	.....	291712
Mar. 13, 2017	(IN)	.....	291713
Mar. 13, 2017	(IN)	.....	291714
Mar. 13, 2017	(IN)	.....	291715
Mar. 13, 2017	(IN)	.....	291716
Mar. 13, 2017	(IN)	.....	291717

(58) **Field of Classification Search**

CPC ..... A61B 17/0401; A61B 17/0485; A61B  
 17/0466; A61B 17/06166; A61B  
 2017/0459

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,219,359	A *	6/1993	McQuilkin	.....	A61B 17/0401 602/43
RE36,974	E *	11/2000	Bonutti	.....	A61B 17/0401 606/232
7,144,415	B2 *	12/2006	Del Rio	.....	A61B 17/0401 606/232
7,530,990	B2 *	5/2009	Perriello	.....	A61B 17/0401 606/232
7,594,923	B2 *	9/2009	Fallin	.....	A61B 17/0401 24/129 R
7,722,644	B2 *	5/2010	Fallin	.....	A61B 17/0401 24/129 R
8,623,051	B2 *	1/2014	Bojarski	.....	A61B 17/0401 24/129 R
9,220,493	B2 *	12/2015	Hart	.....	A61B 17/0401
9,517,062	B2 *	12/2016	Santangelo	.....	A61B 17/0401
2010/0204731	A1 *	8/2010	Hart	.....	A61B 17/0401 606/232
2011/0125189	A1 *	5/2011	Stoll, Jr.	.....	A61B 17/0401 606/232
2012/0330357	A1 *	12/2012	Thal	.....	A61B 17/0401 606/232
2015/0094761	A1 *	4/2015	Spenciner	.....	A61B 17/0401 606/232
2016/0166375	A1 *	6/2016	Ferguson	.....	A61B 17/0401 606/232
2017/0071590	A1 *	3/2017	MacLeod	.....	A61B 17/0401

\* cited by examiner

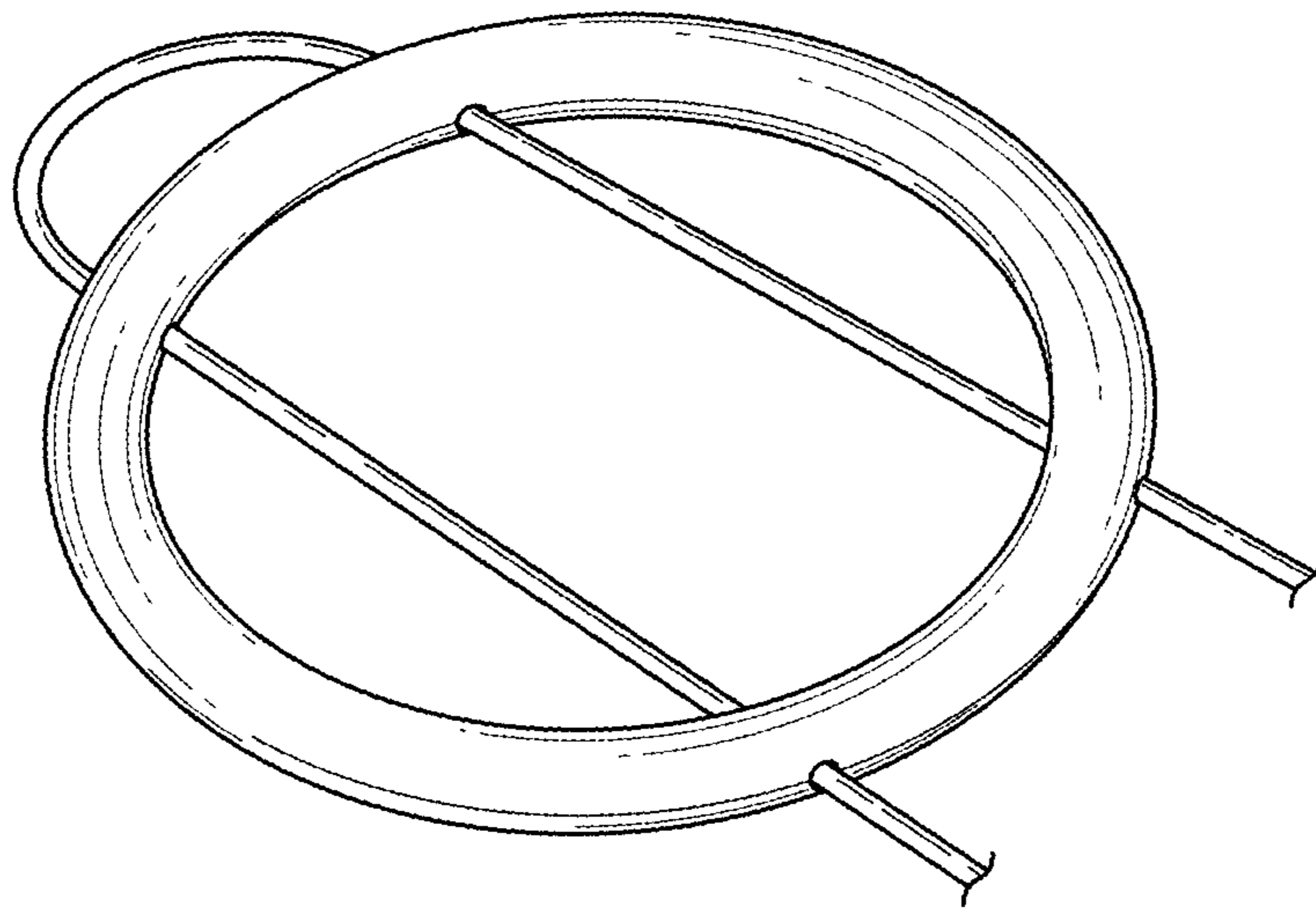


FIG. 1

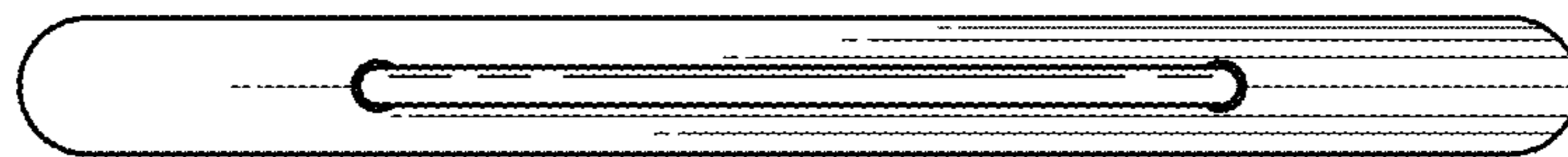


FIG. 2

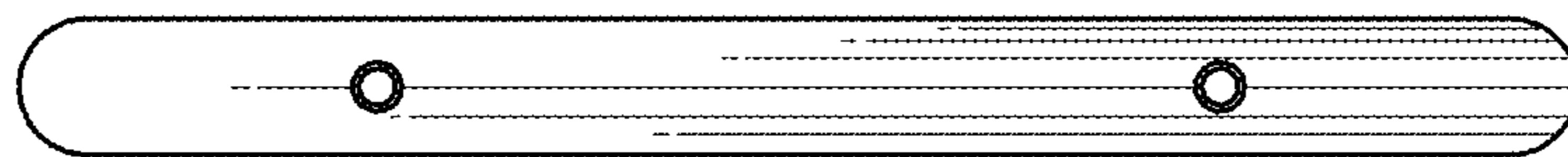


FIG. 3



FIG. 4

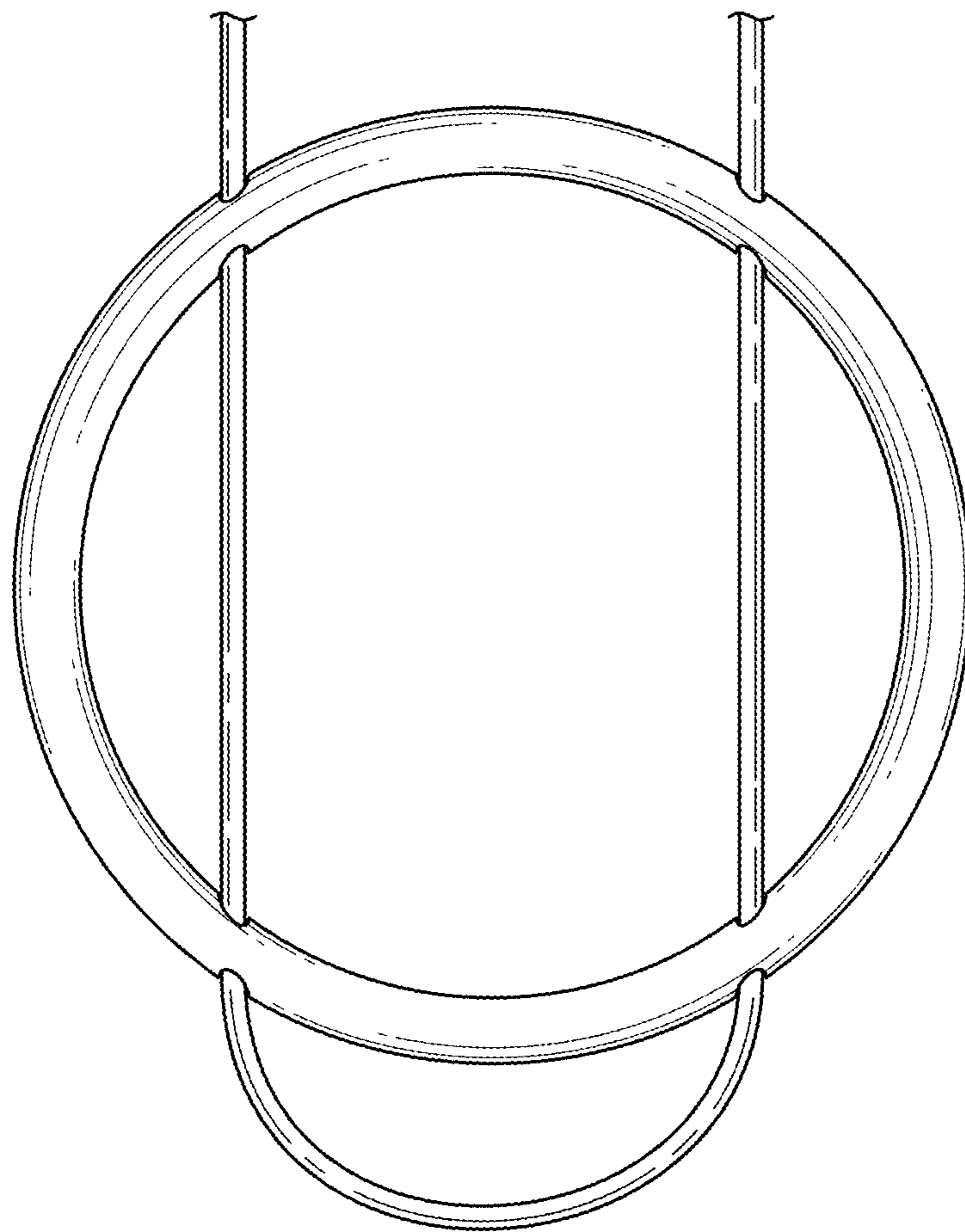


FIG. 5

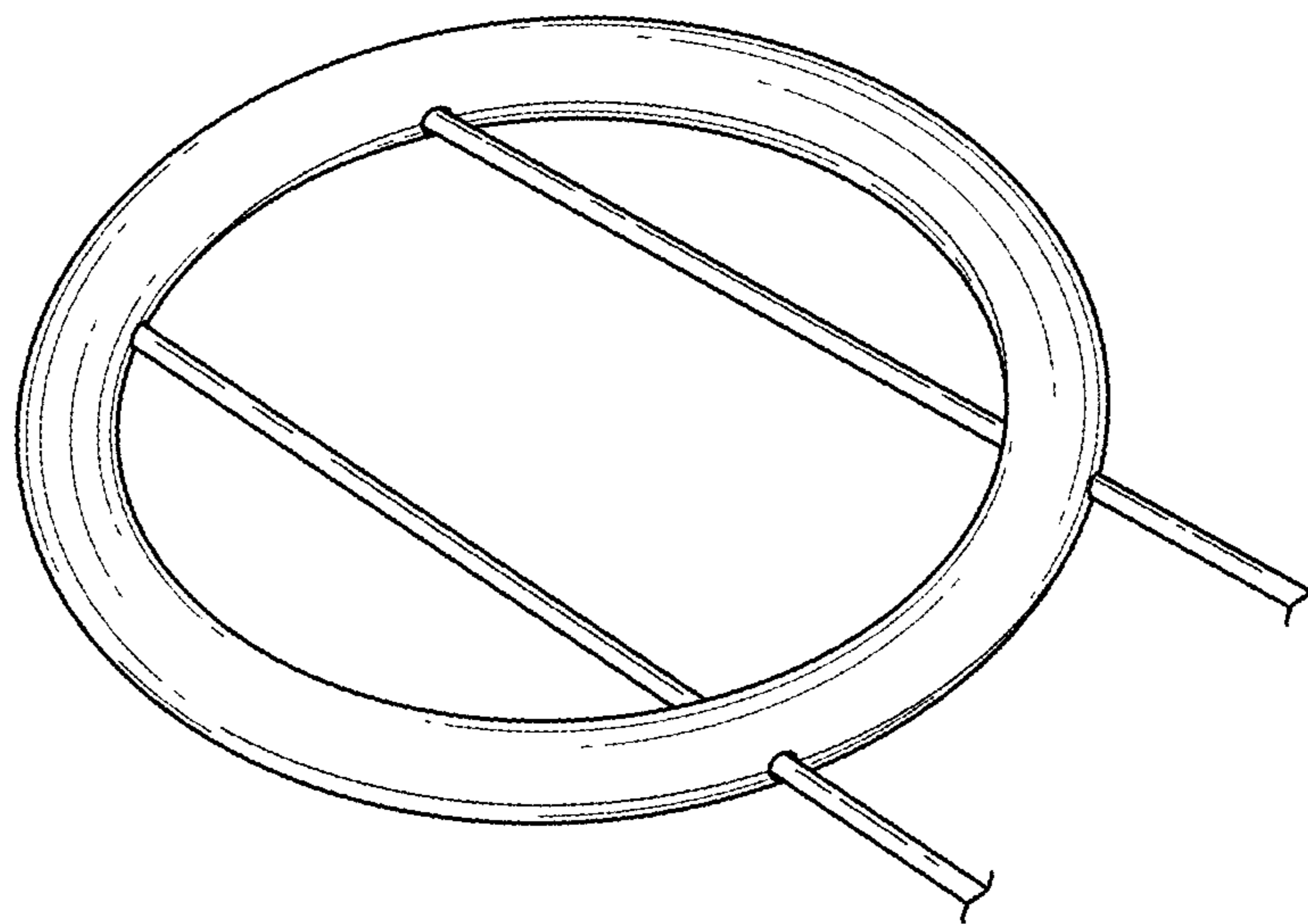
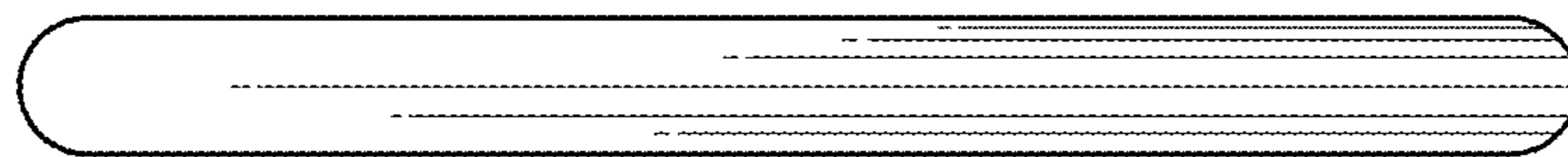


FIG. 6





**FIG. 7**

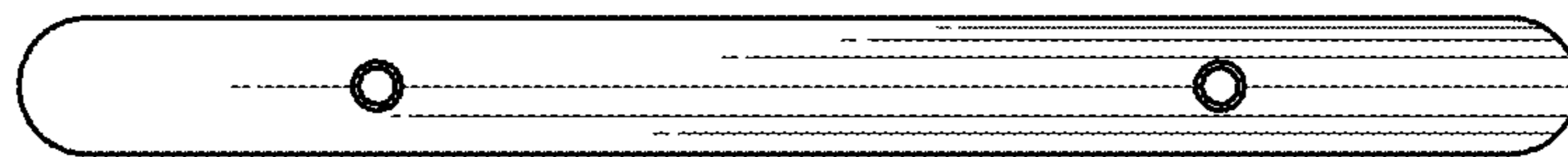


FIG. 8

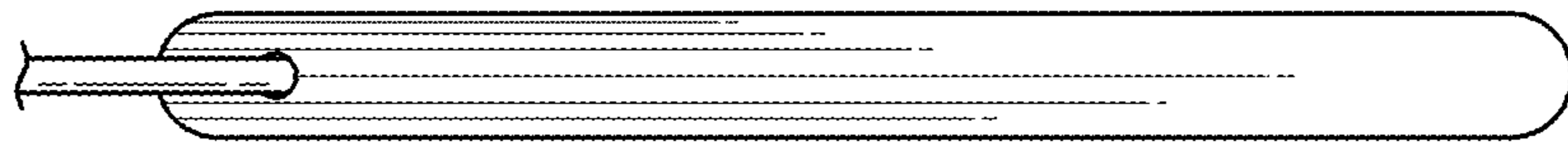


FIG. 9

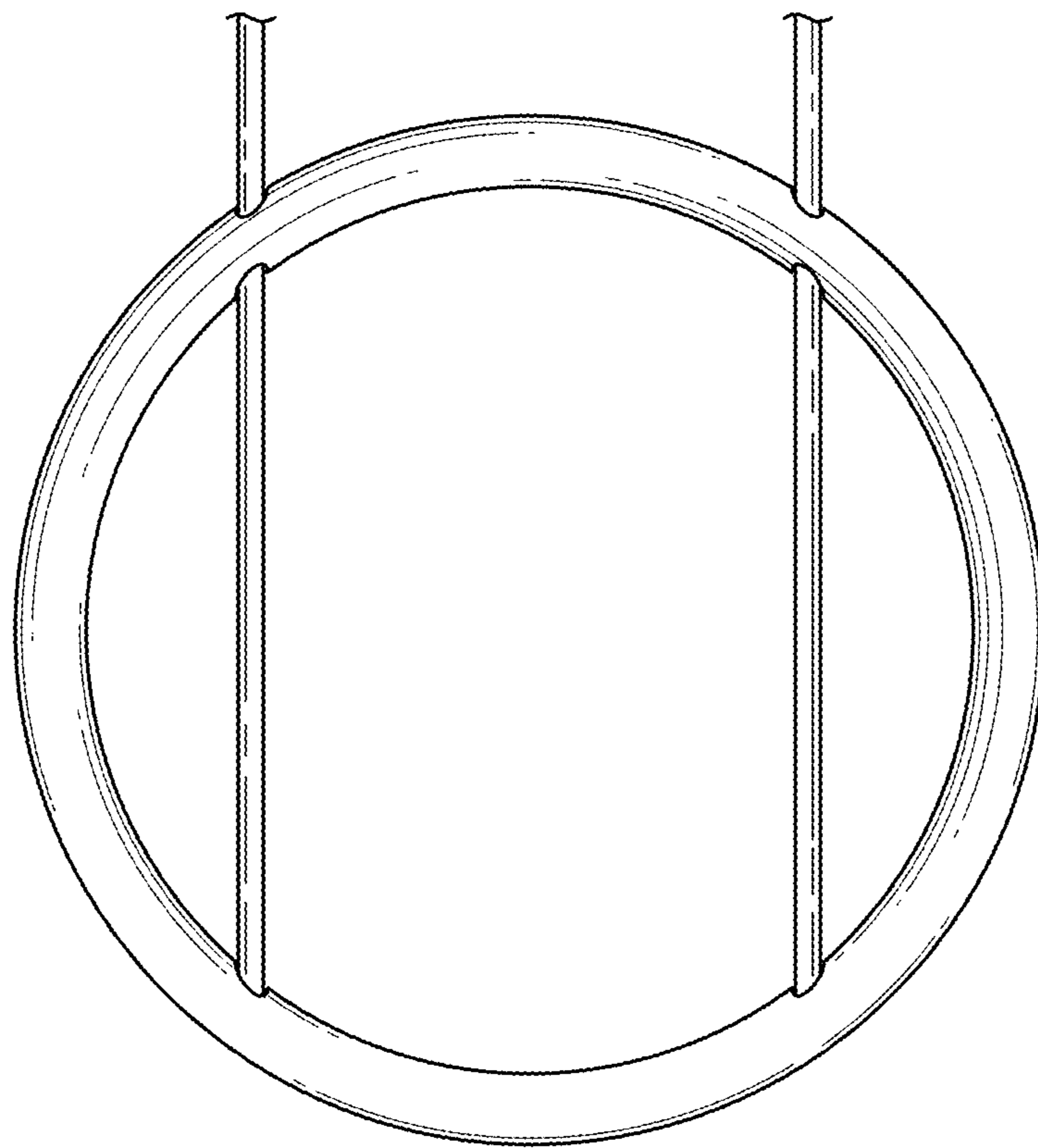


FIG. 10

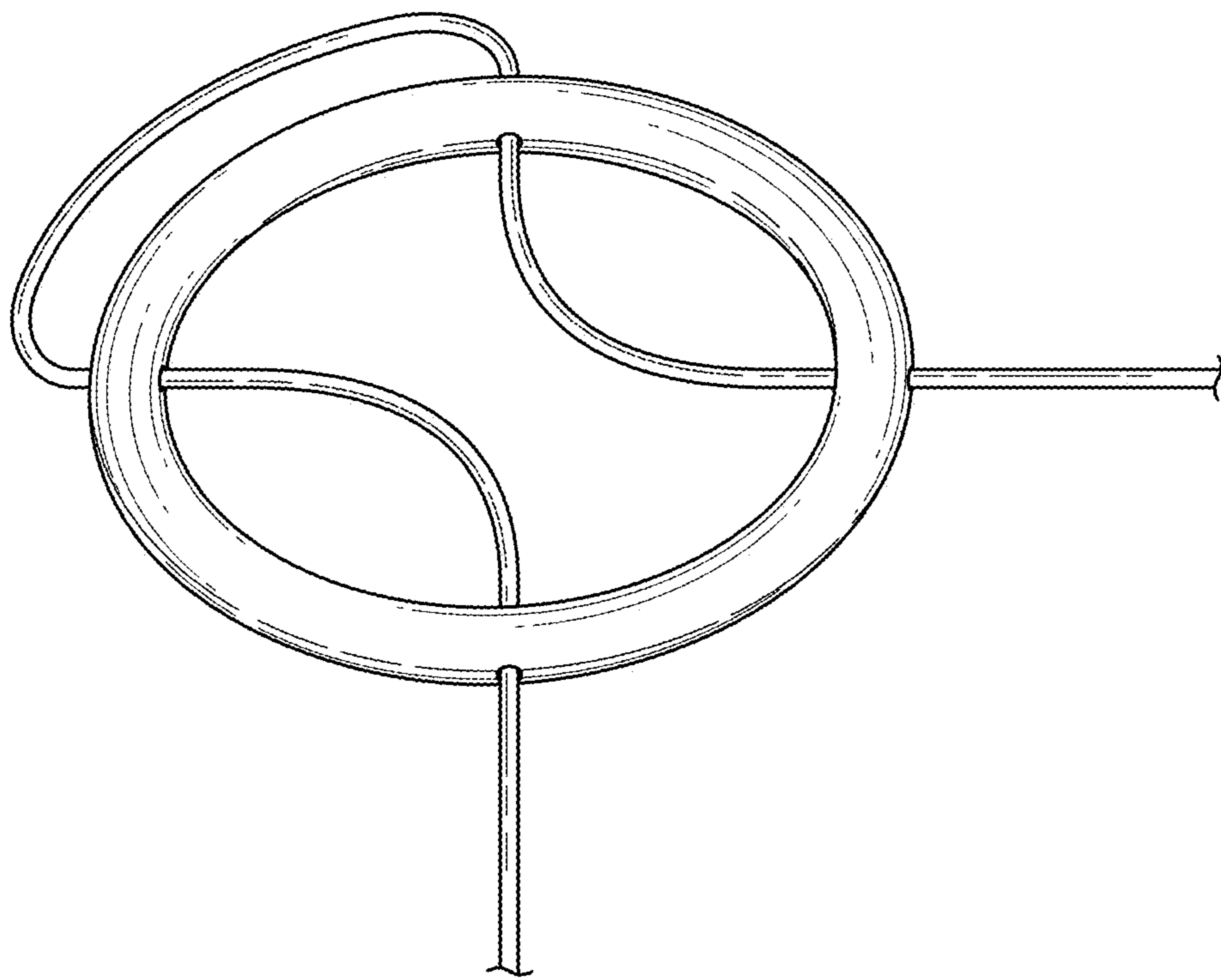


FIG. 11

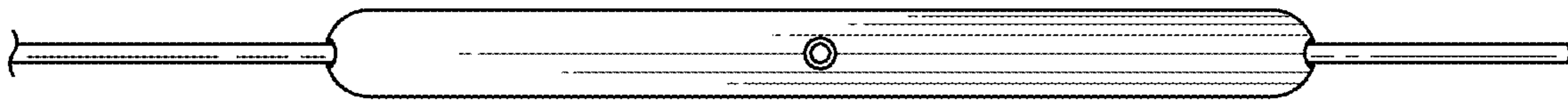


FIG. 12

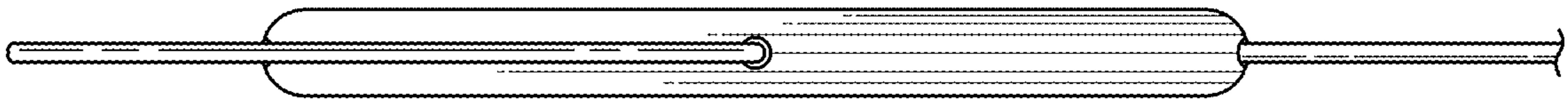


FIG. 13

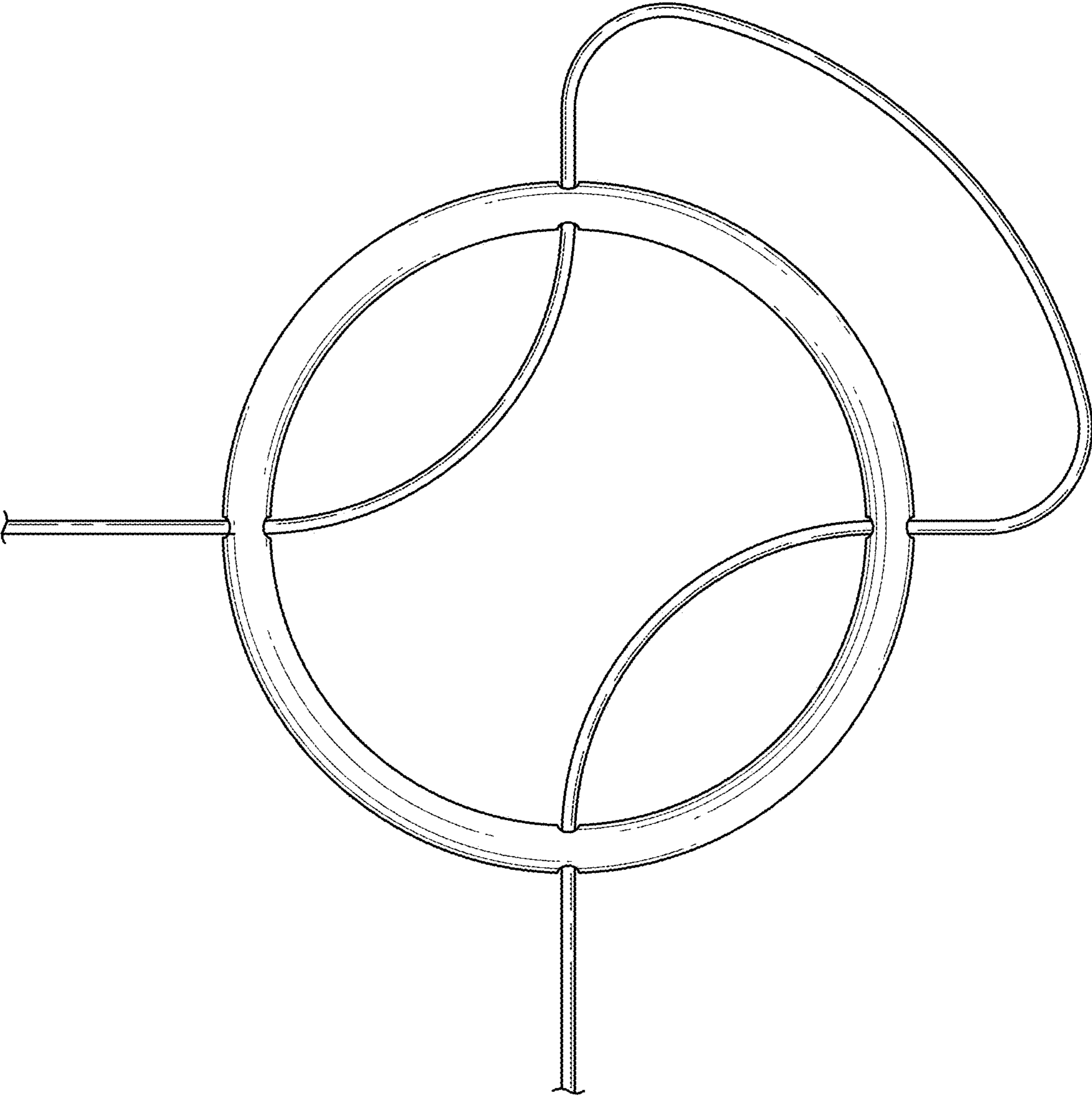


FIG. 14



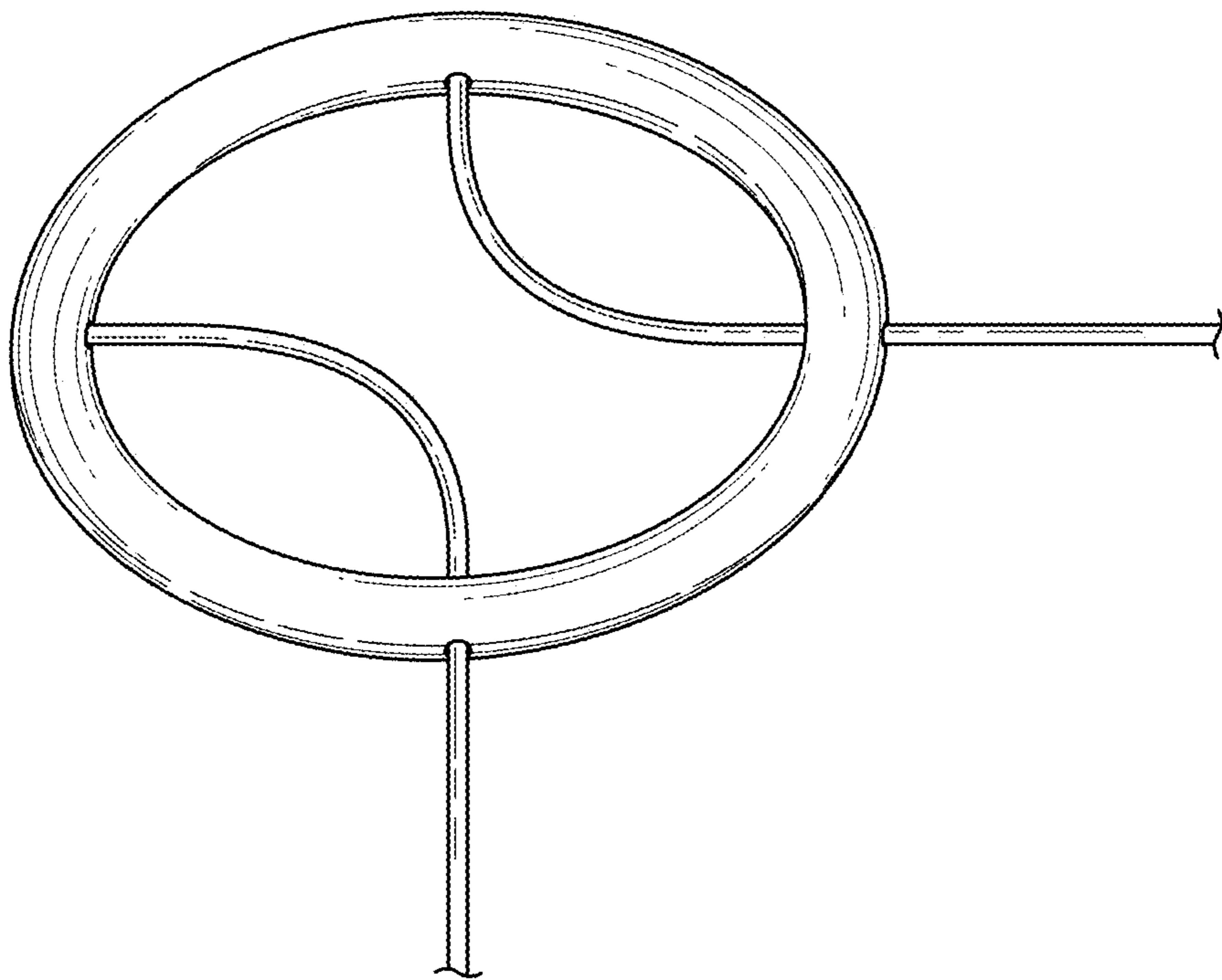


FIG. 15

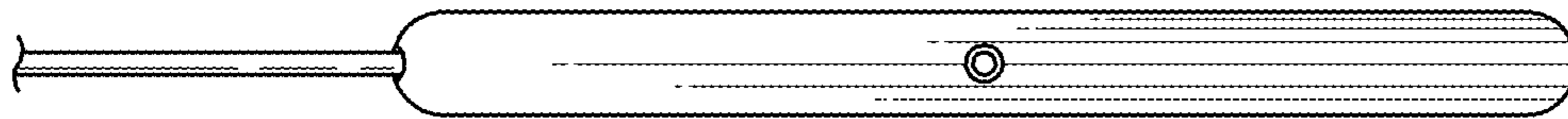


FIG. 16

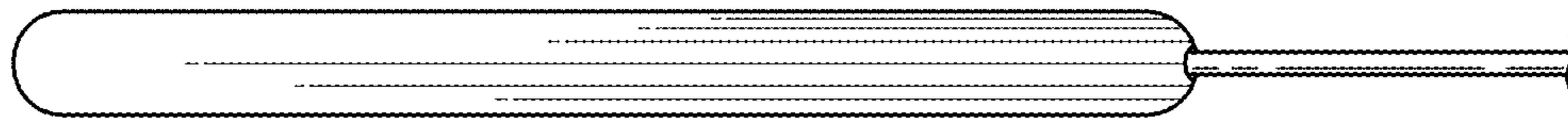


FIG. 17

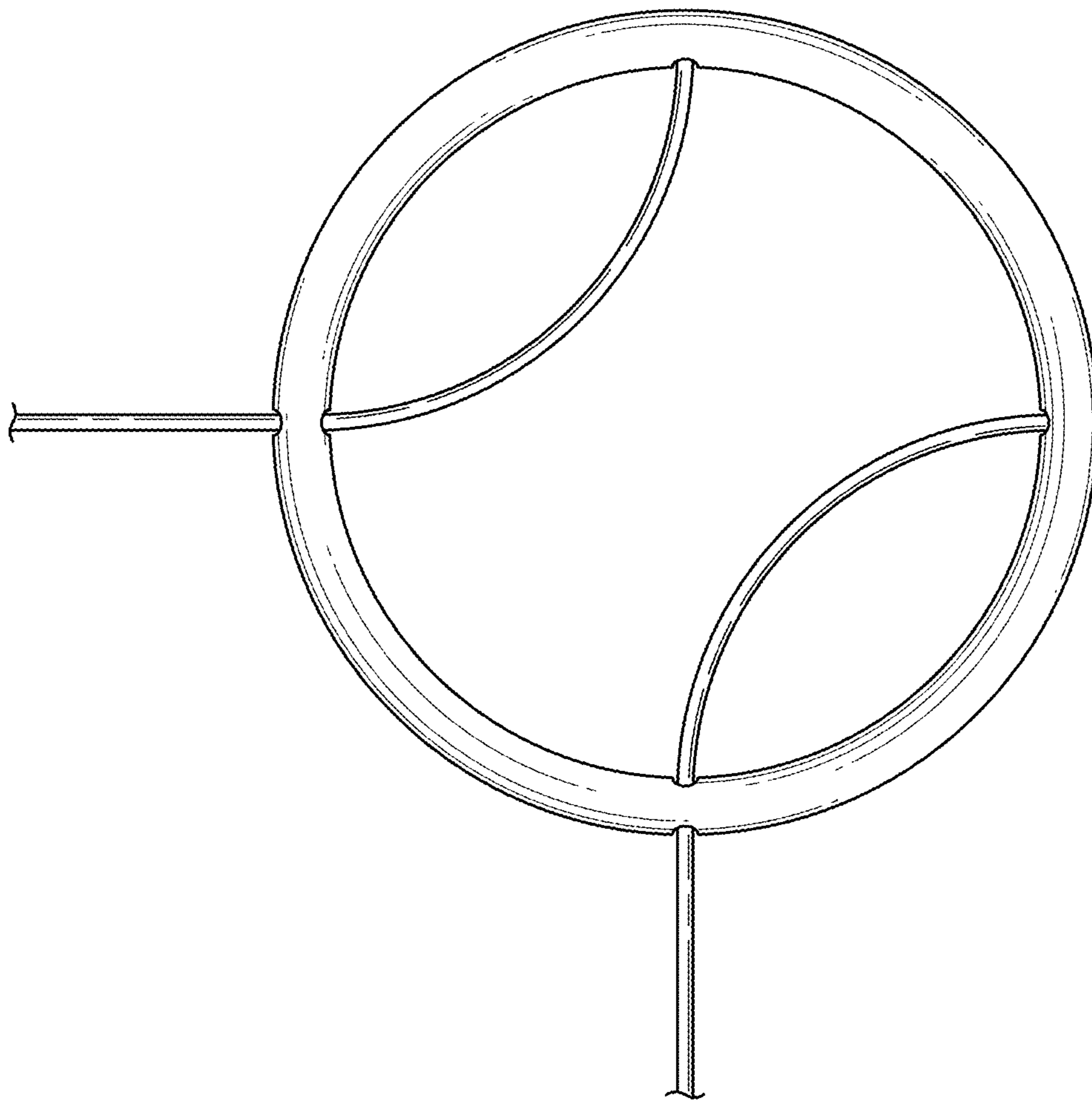


FIG. 18

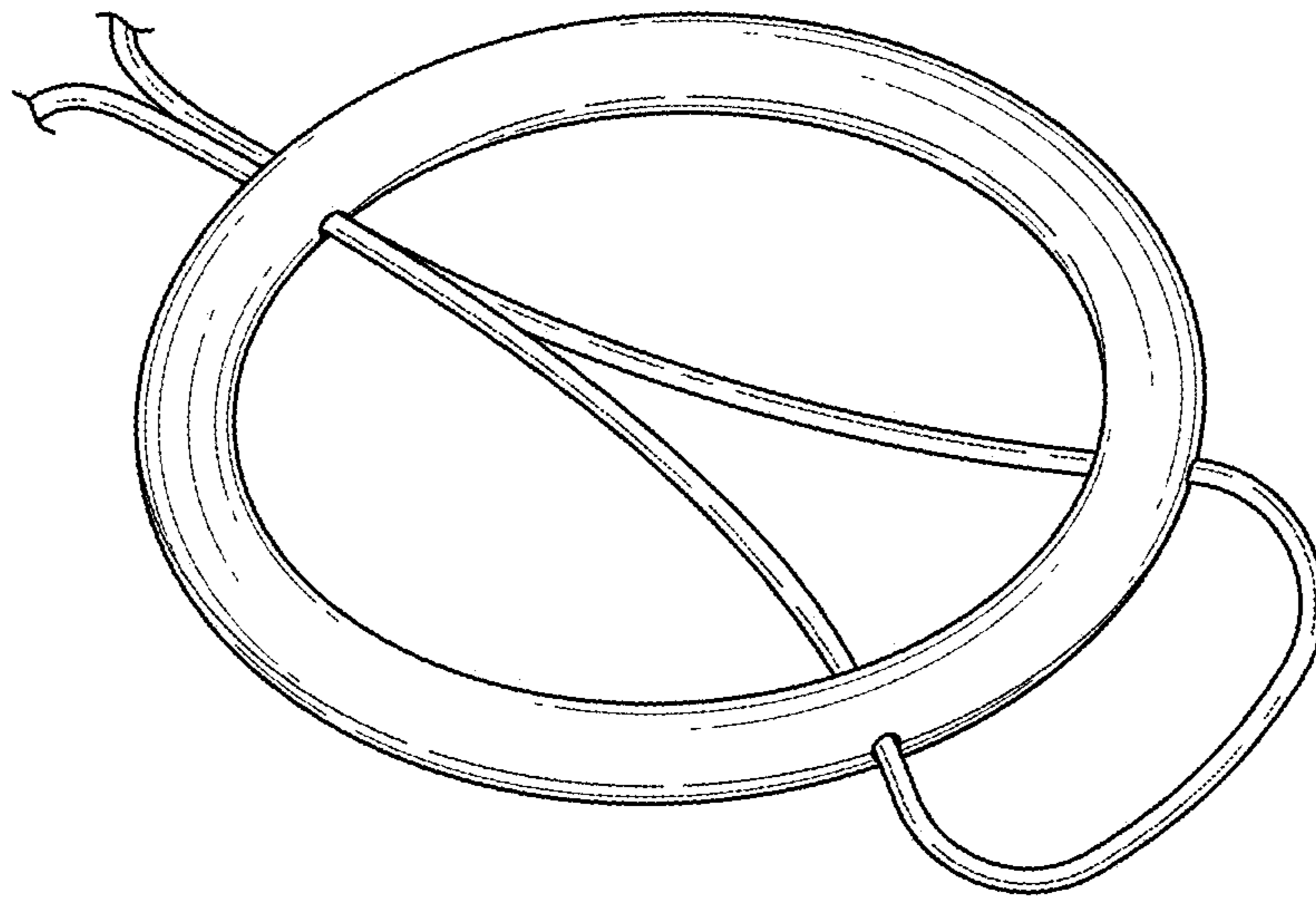


FIG. 19

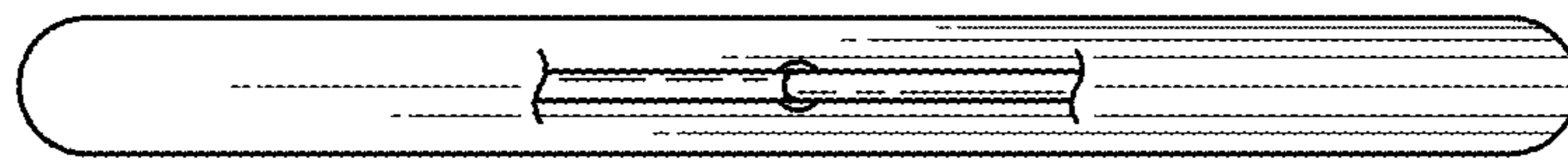


FIG. 20

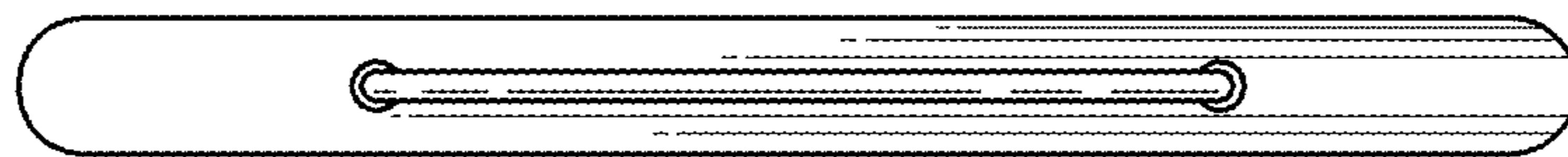


FIG. 21

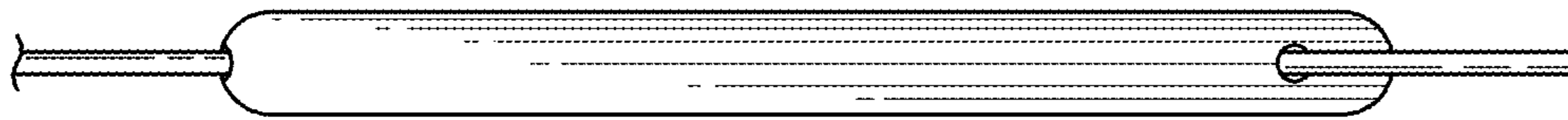


FIG. 22



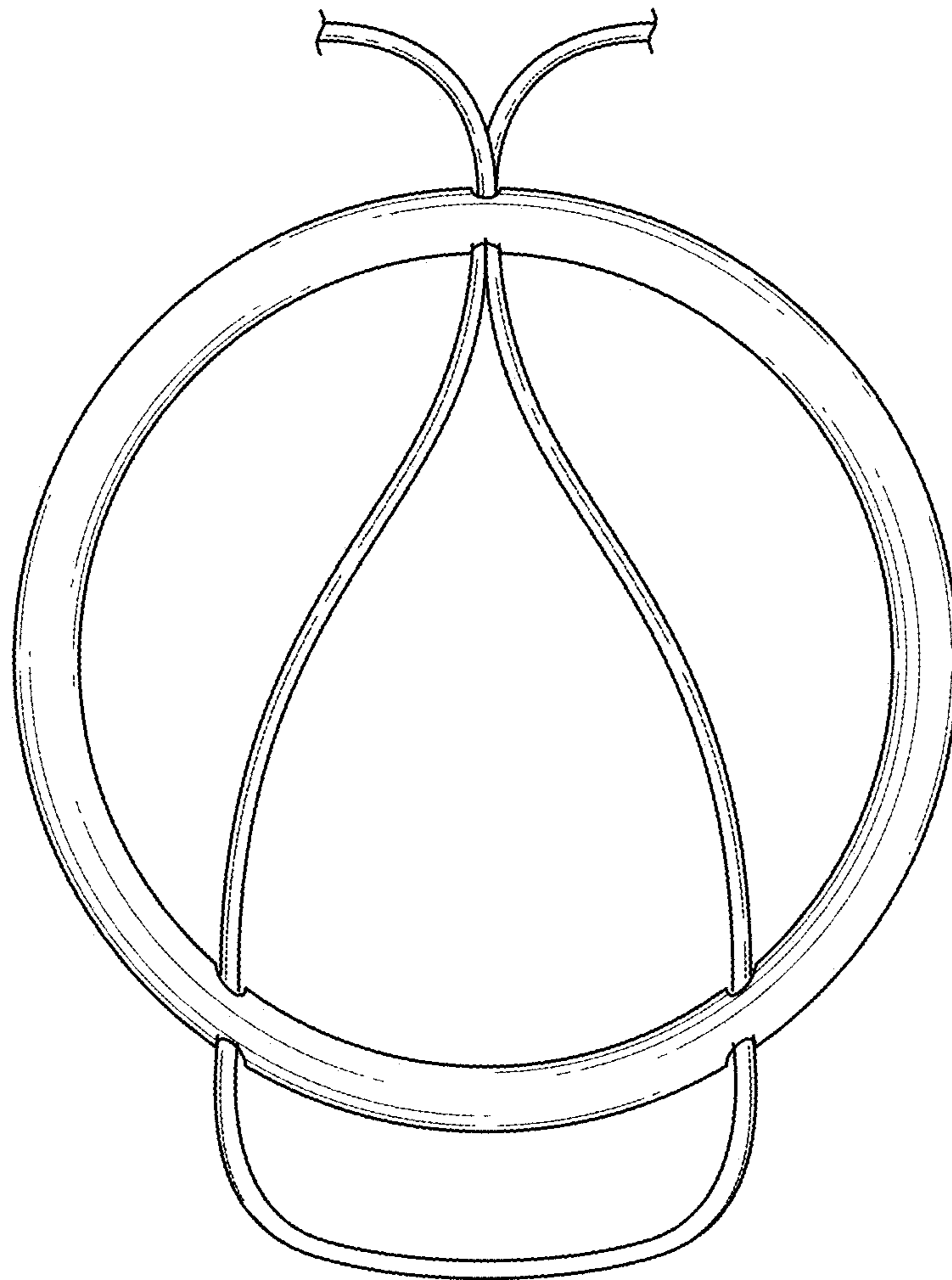


FIG. 23

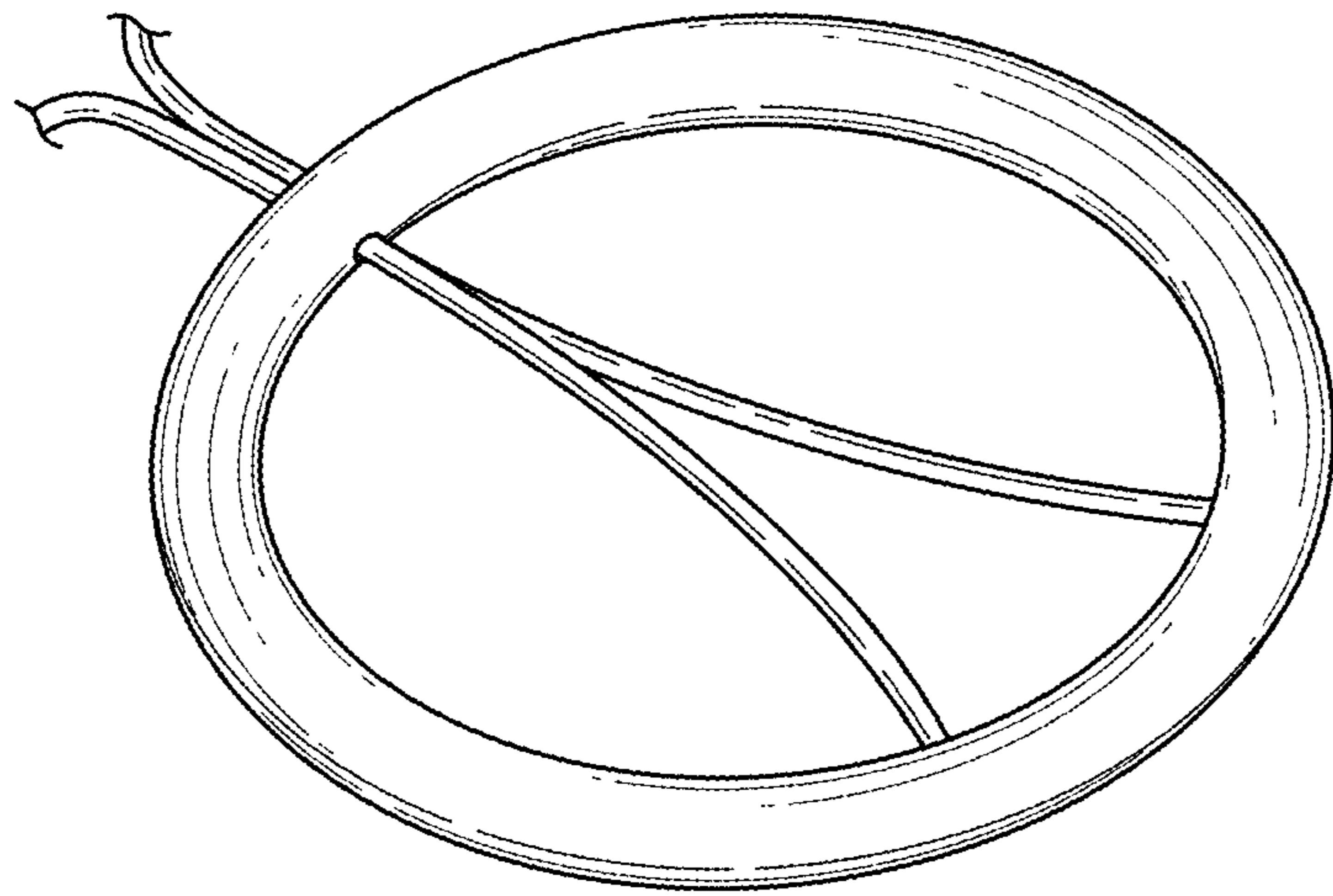


FIG. 24

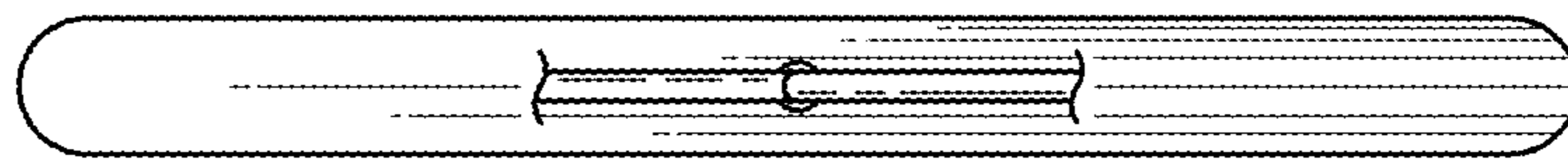


FIG. 25

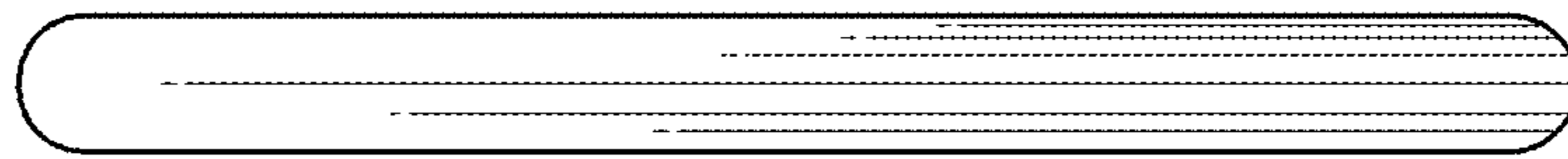


FIG. 26

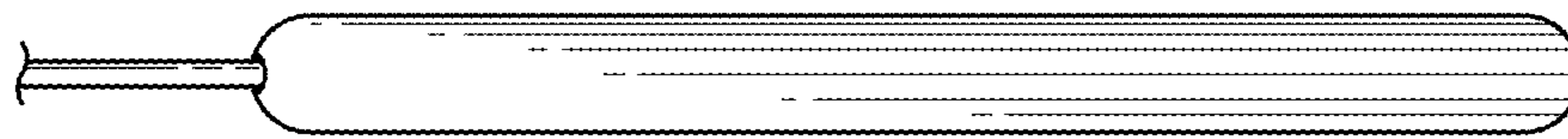


FIG. 27

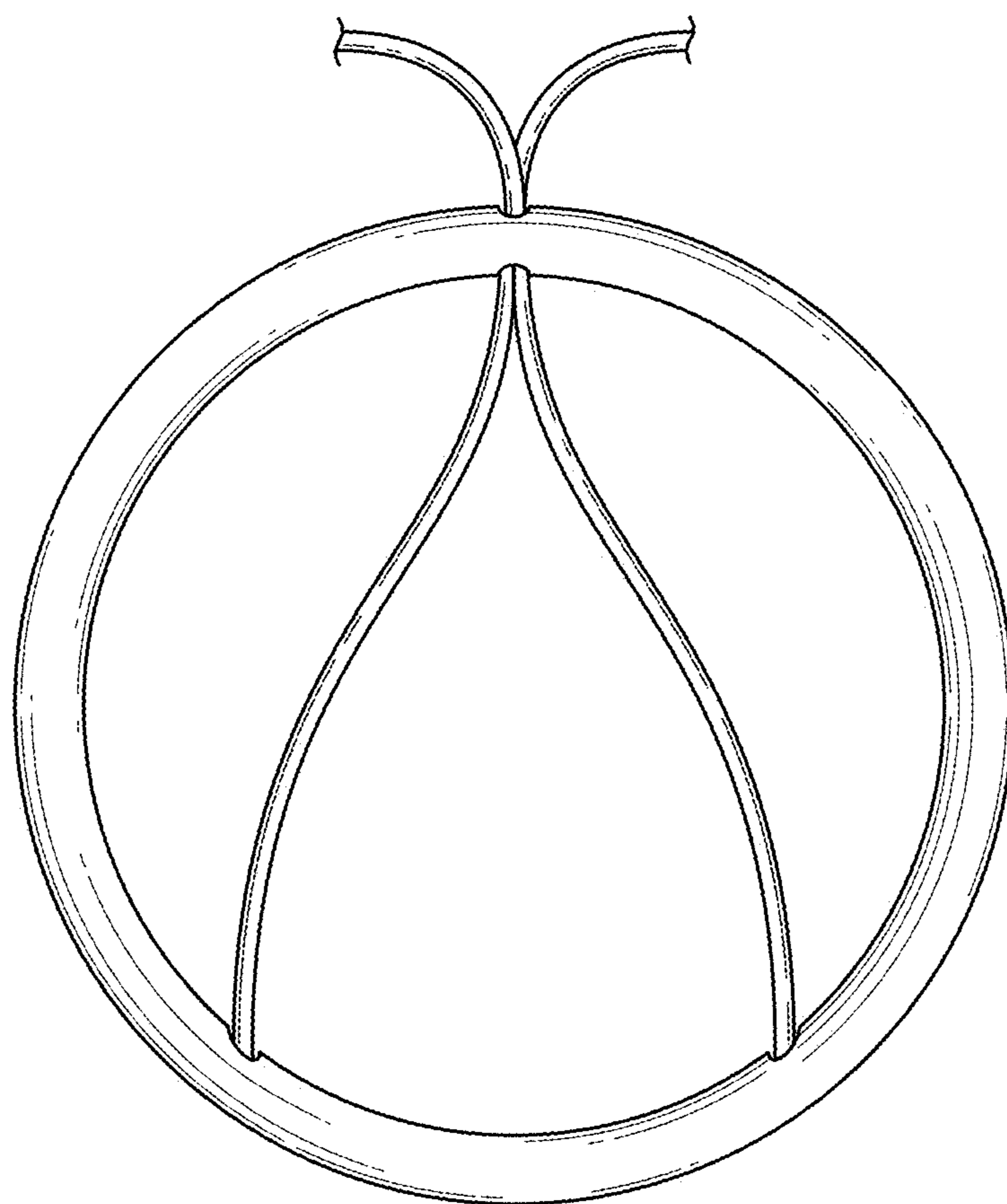


FIG. 28

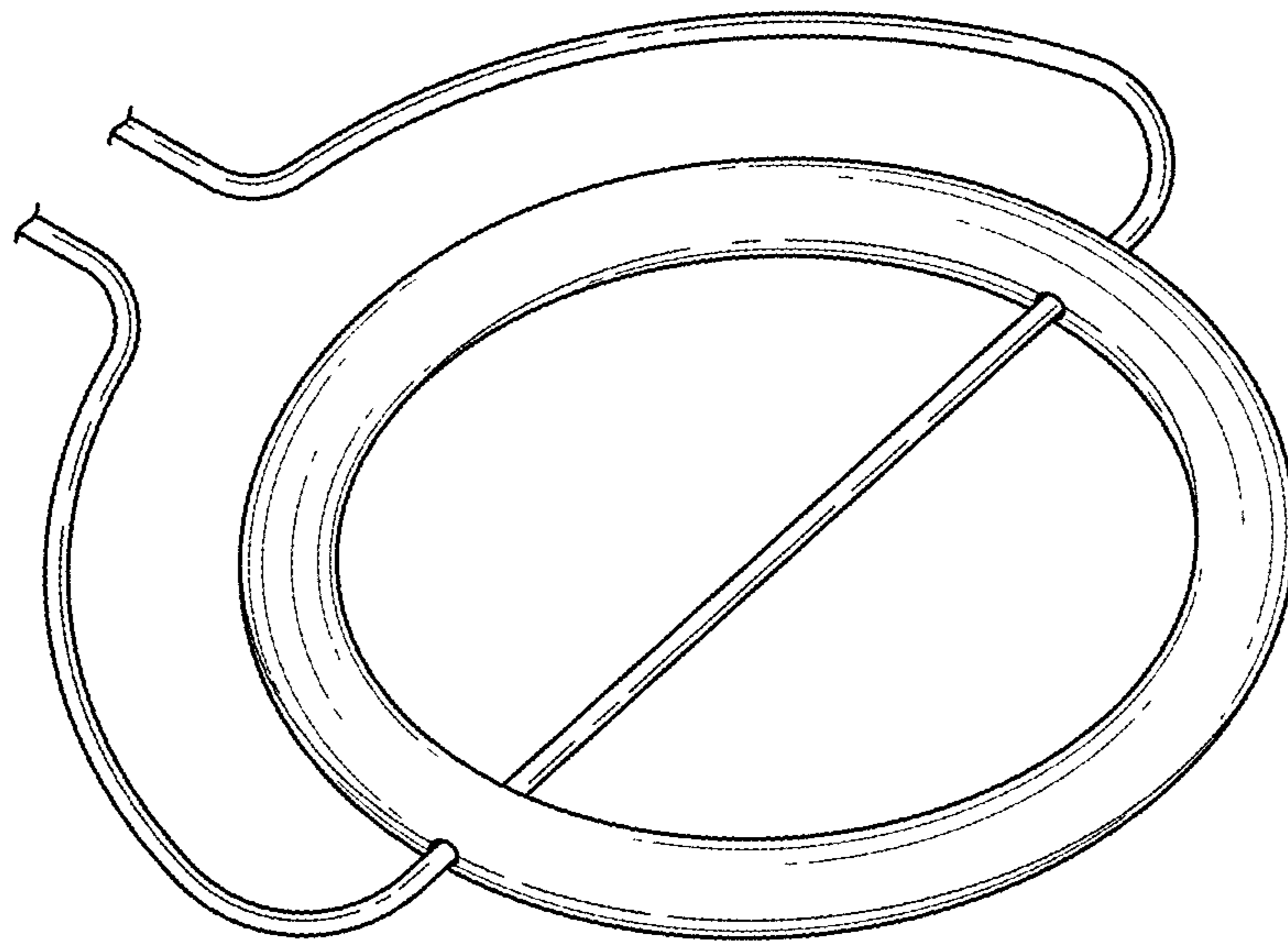


FIG. 29

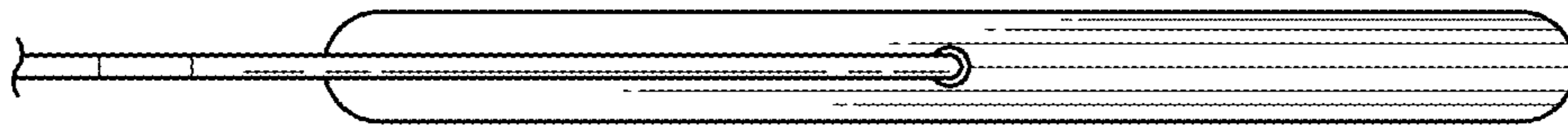


FIG. 30



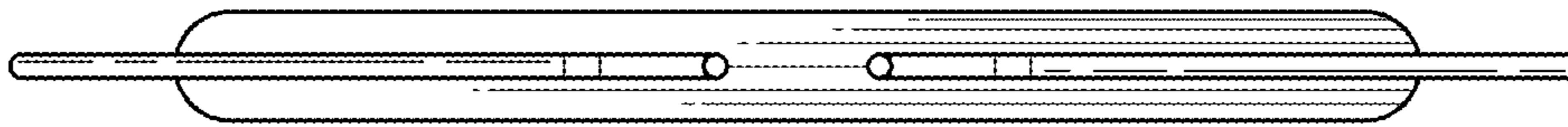


FIG. 31

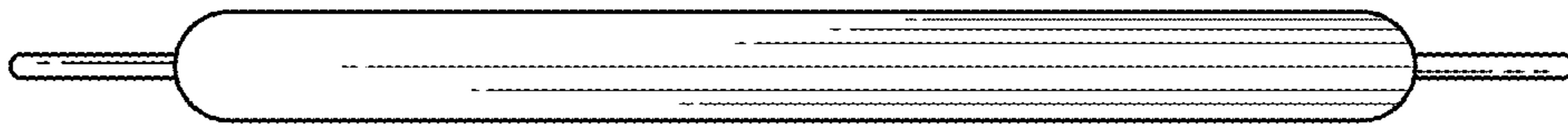


FIG. 32

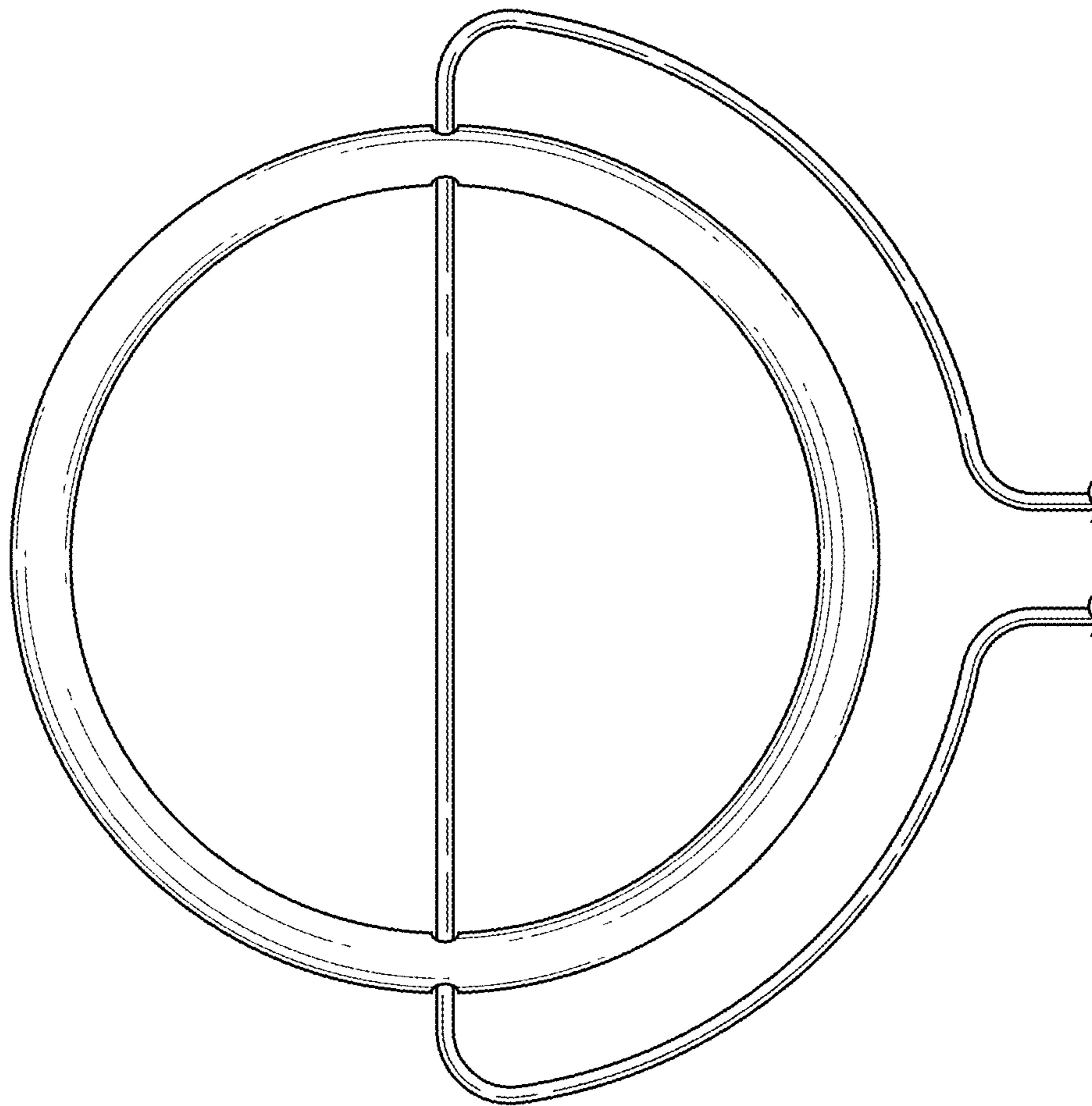


FIG. 33