

US00D922363S

(12) **United States Design Patent** (10) **Patent No.:** **US D922,363 S**
Hamilton et al. (45) **Date of Patent:** ** Jun. 15, 2021

(54) **RECREATIONAL VEHICLE ANTENNA**(71) Applicant: **Wilson Electronics, LLC**, St. George, UT (US)(72) Inventors: **Aaron Jay Hamilton**, Royse City, TX (US); **Brooks Stephen Ruhman**, Dallas, TX (US)(73) Assignee: **Wilson Electronics, LLC**, St. George, UT (US)(**) Term: **15 Years**(21) Appl. No.: **29/658,909**(22) Filed: **Aug. 3, 2018**(51) LOC (13) Cl. **14-03**

(52) U.S. Cl.

USPC **D14/230**(58) **Field of Classification Search**

USPC D14/230

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,645,645 A * 10/1927 Davis E04H 12/003

116/173

D271,017 S * 10/1983 Spycher D14/236

(Continued)

FOREIGN PATENT DOCUMENTS

JP D1241099 * 3/2004

OTHER PUBLICATIONS

Wilson Electronics 4G RV Antenna Kit, website 2020, <https://www.wilsonamplifiers.com/wilson-electronics-4g-rv-antenna-kit-75-ohm-304421-b/>, site visited Jan. 19, 2020.*

Primary Examiner — John R Yeh(74) *Attorney, Agent, or Firm* — Jones Waldo Holbrook & McDonough, PC; Brent T. Winder(57) **CLAIM**

The ornamental design for a recreational vehicle antenna, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view showing our design for a recreational vehicle antenna;

FIG. 2 is a right side view thereof;

FIG. 3 is a left side view thereof;

FIG. 4 is a front view thereof;

FIG. 5 is a rear view thereof;

FIG. 6 is a top view thereof;

FIG. 7 is a bottom view thereof;

FIG. 8 is an enlarged perspective view of the antenna base taken from FIG. 1;

FIG. 9 is an enlarged view of the bottom attachment mechanism taken from FIG. 1;

FIG. 10 is an enlarged view of the top attachment mechanism taken from FIG. 1;

FIG. 11 is an enlarged, exploded view of the bottom attachment mechanism shown in FIG. 9;

FIG. 12 is an enlarged, exploded view of the top attachment mechanism shown in FIG. 10;

FIG. 13 is the right side view of the recreational vehicle antenna from FIG. 2 shown attached to a portion of a recreational vehicle;

FIG. 14 is an enlarged view of the antenna base taken from FIG. 13;

FIG. 15 is an enlarged view of the right side of the bottom attachment mechanism taken from FIG. 13;

FIG. 16 is an enlarged view of the top attachment mechanism taken from FIG. 13;

FIG. 17 is an enlarged view of the left side of the bottom attachment mechanism taken from FIG. 3;

FIG. 18 is an enlarged view of the antenna base taken from FIG. 4;

FIG. 19 is an enlarged view of the bottom attachment mechanism taken from FIG. 4;

FIG. 20 is an enlarged view of the top attachment mechanism taken from FIG. 4;

FIG. 21 is an enlarged top view of the antenna base without the antenna;

FIG. 22 is an enlarged top view of the top attachment mechanism without the antenna; and,

(Continued)

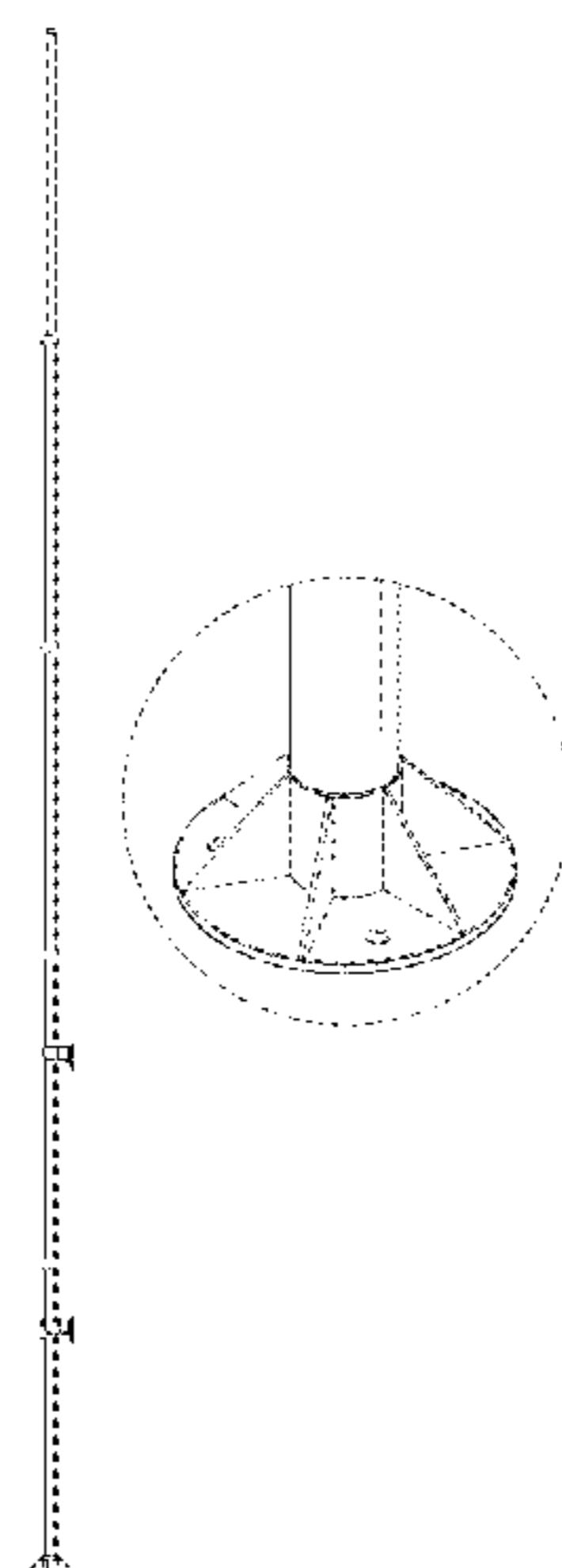


FIG. 23 is an enlarged top view of the bottom attachment mechanism without the antenna.

The broken lines showing the recreational vehicle in FIGS. 1 and 13 are environment of the recreational vehicle antenna and form no part of the claimed design. The broken line circles are intended to indicate enlargements and form no part of the claimed design. All other broken lines in the drawings depict portions of the recreational vehicle antenna that form no part of the claimed design.

1 Claim, 9 Drawing Sheets

(58) **Field of Classification Search**

CPC .. H01Q 1/12; H01Q 9/28; H01Q 9/04; H01Q
21/26

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D271,766 S * 12/1983 Eckmann D14/233

4,794,399 A *	12/1988	Sensibaugh	H01Q 1/084 343/760
D310,224 S *	8/1990	Cooper	D14/230
D320,602 S *	10/1991	Wells	D14/238
D367,481 S *	2/1996	Bacnik	D14/230
D391,966 S *	3/1998	Mischenko	D14/230
5,732,500 A *	3/1998	Fitzpatrick	A01K 87/06 43/2
D407,707 S *	4/1999	Jones	D14/230
D454,862 S *	3/2002	Chen	D14/230
6,378,239 B1 *	4/2002	Listvan	A01K 87/00 343/711
D468,302 S *	1/2003	Sato	D14/235
D469,082 S *	1/2003	Moles	D14/234
D472,892 S *	4/2003	Tourres	D14/230
D491,926 S *	6/2004	Tai	D14/230
D799,367 S *	10/2017	Wildhagen	D11/166
2006/0288629 A1 *	12/2006	Parker	A01K 87/007 43/17.5
2011/0180683 A1 *	7/2011	Lach	G09F 17/00 248/538
2018/0135329 A1 *	5/2018	Lillywhite	E04H 12/2276
2018/0313108 A1 *	11/2018	Ciaccia	G09F 13/02

* cited by examiner

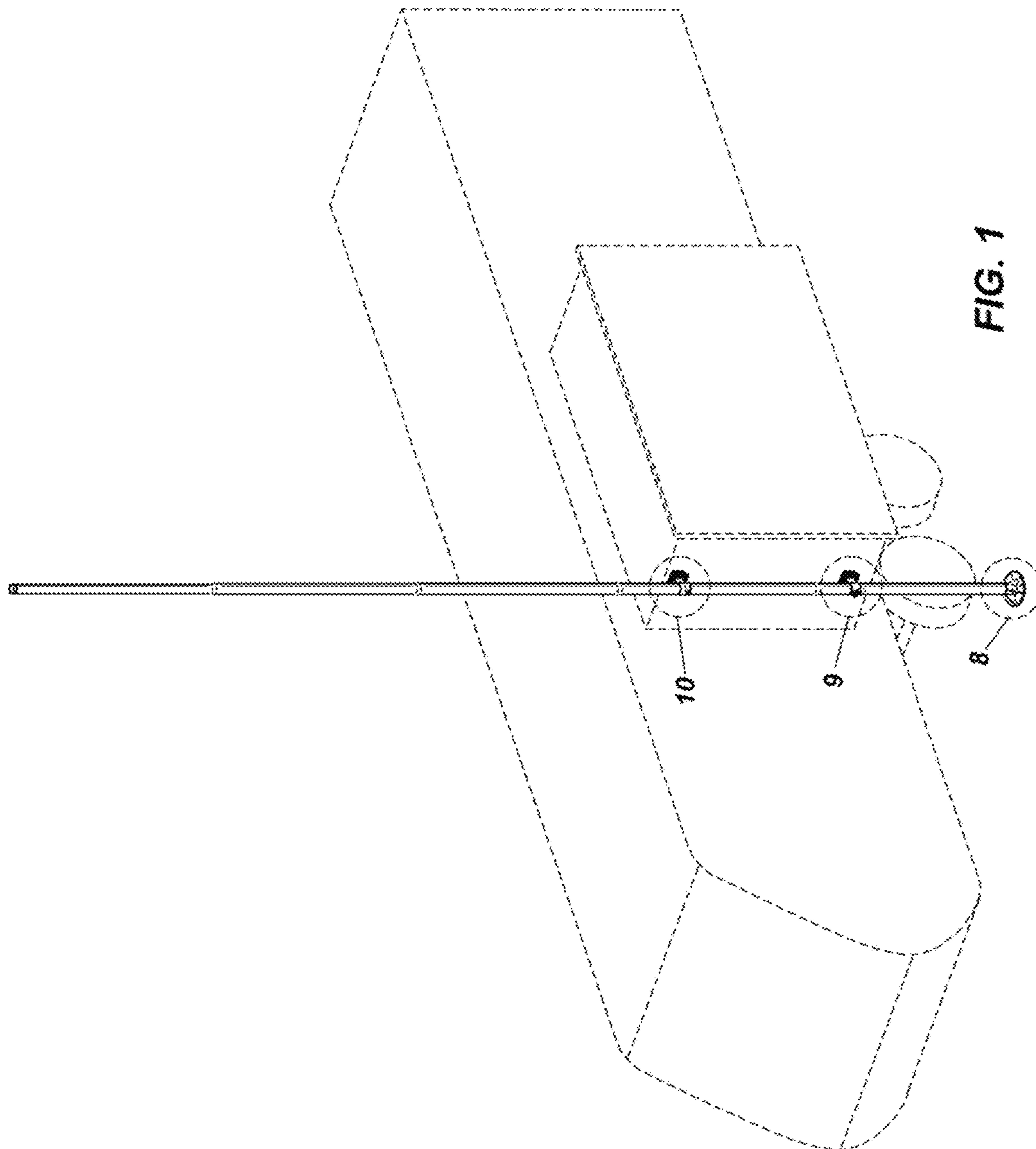


FIG. 1

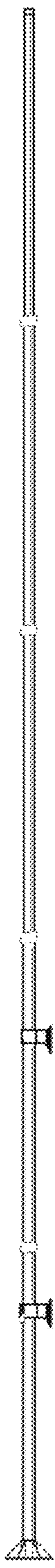


FIG. 2

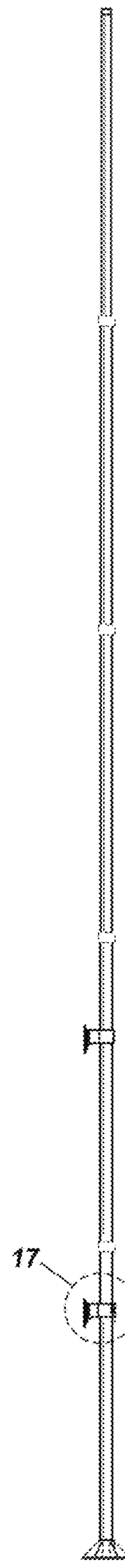


FIG. 3

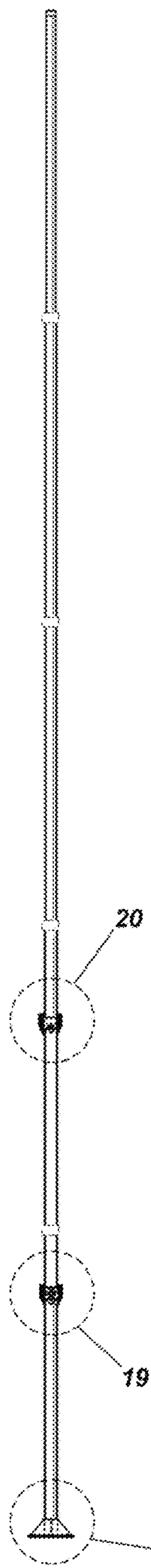


FIG. 4

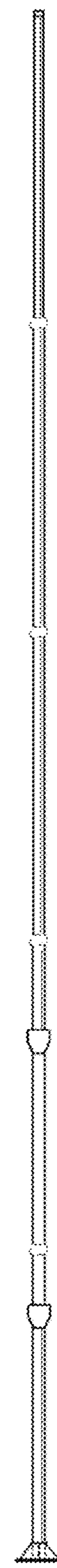


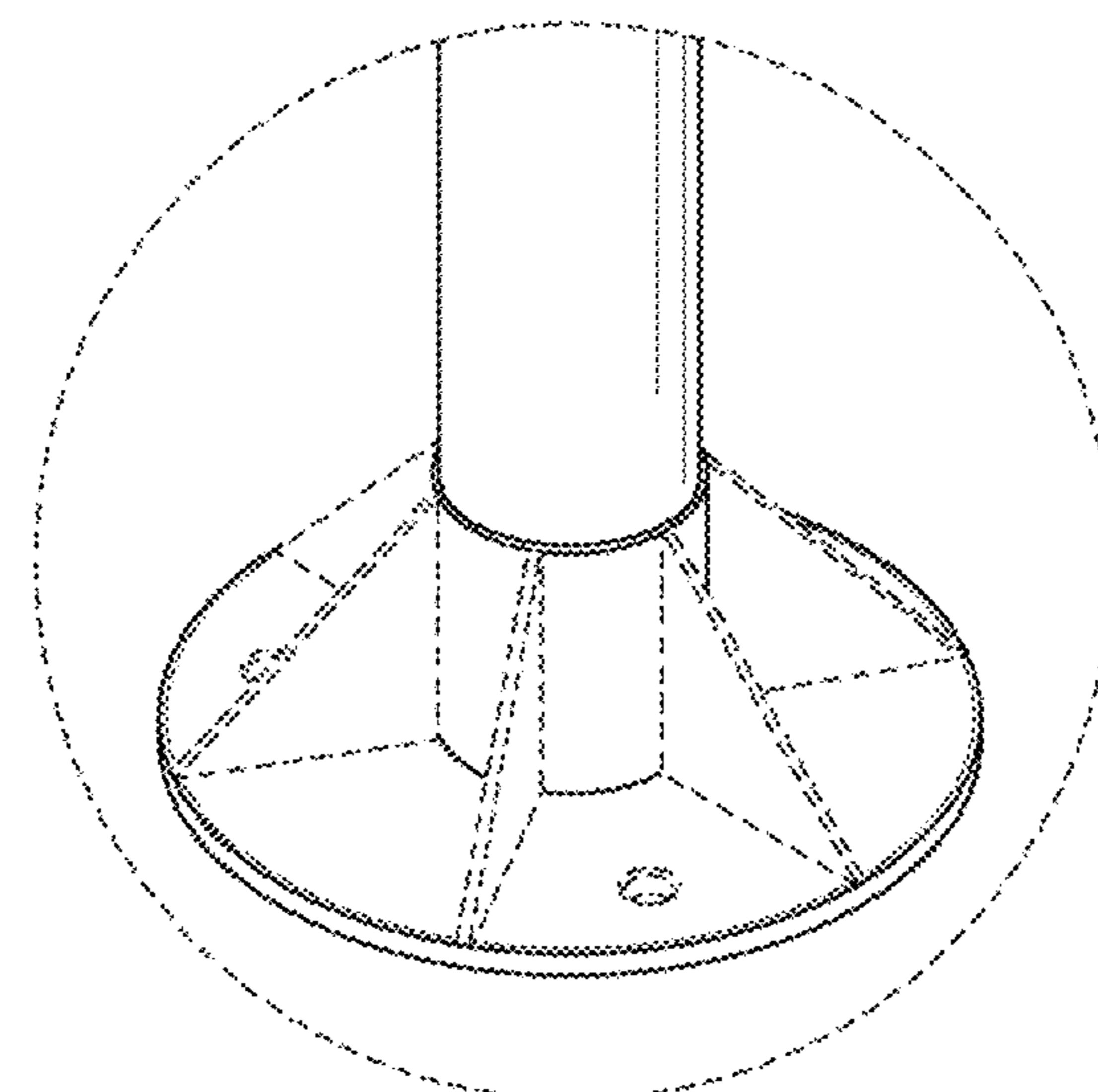
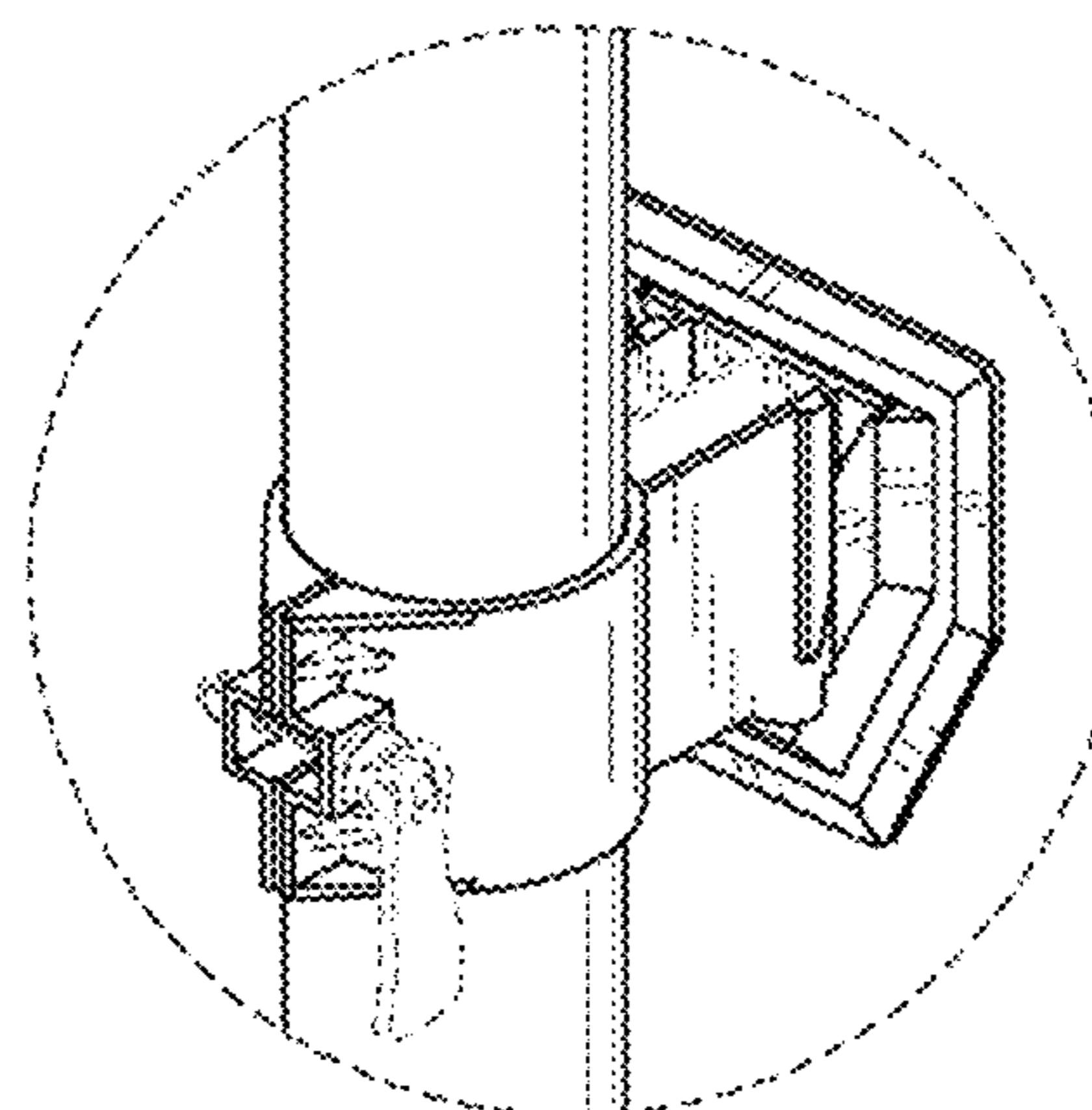
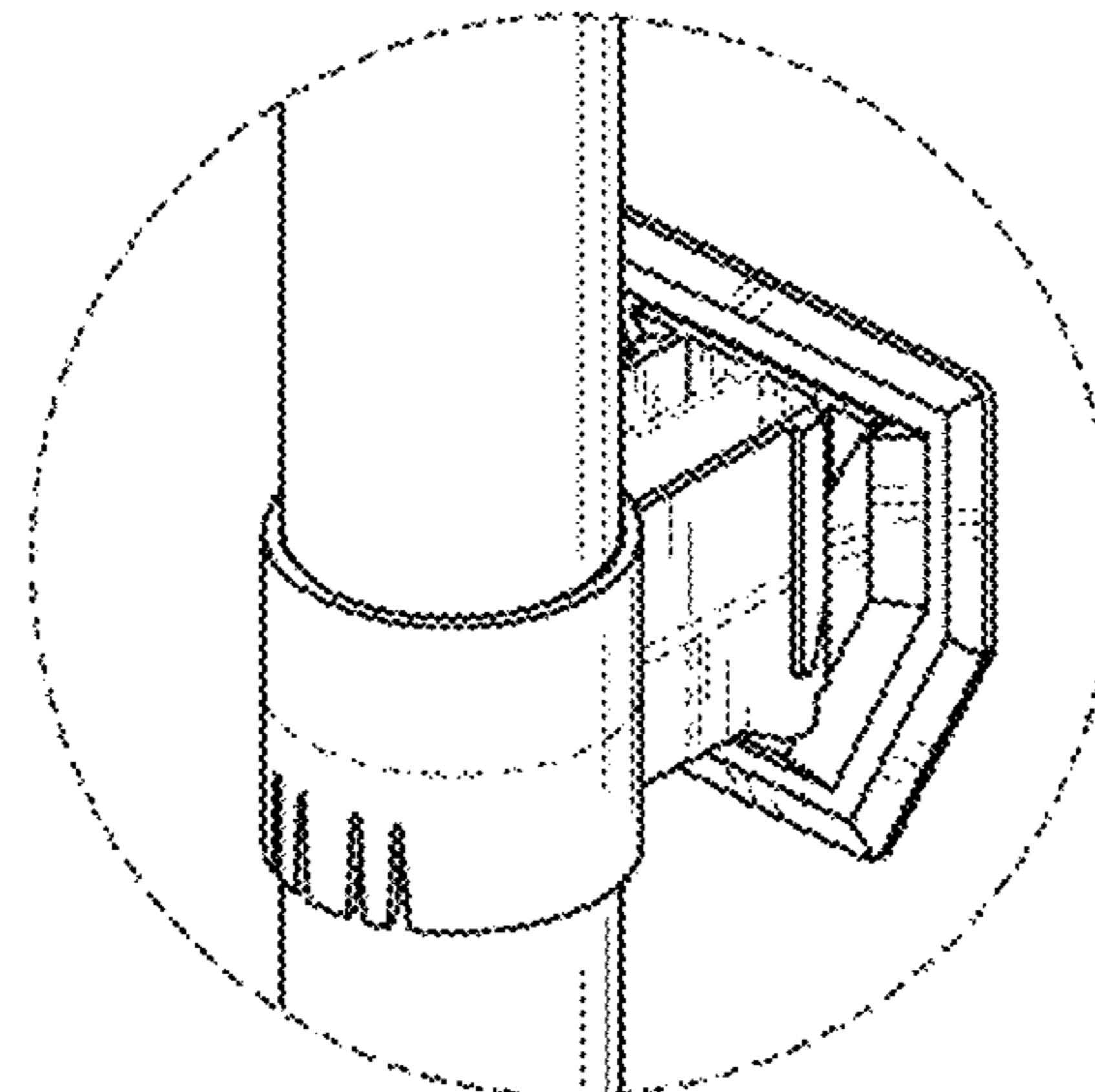
FIG. 5

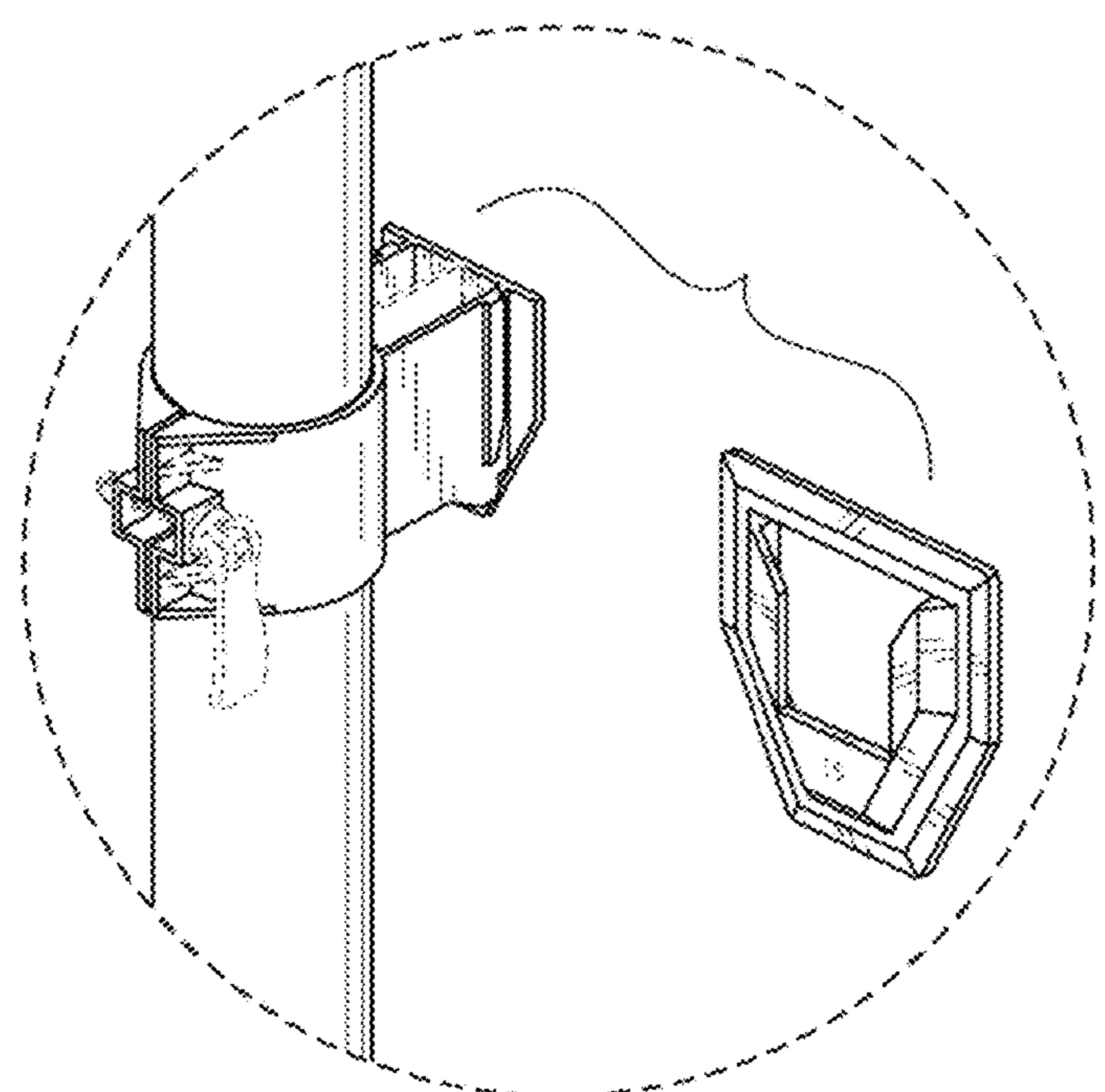
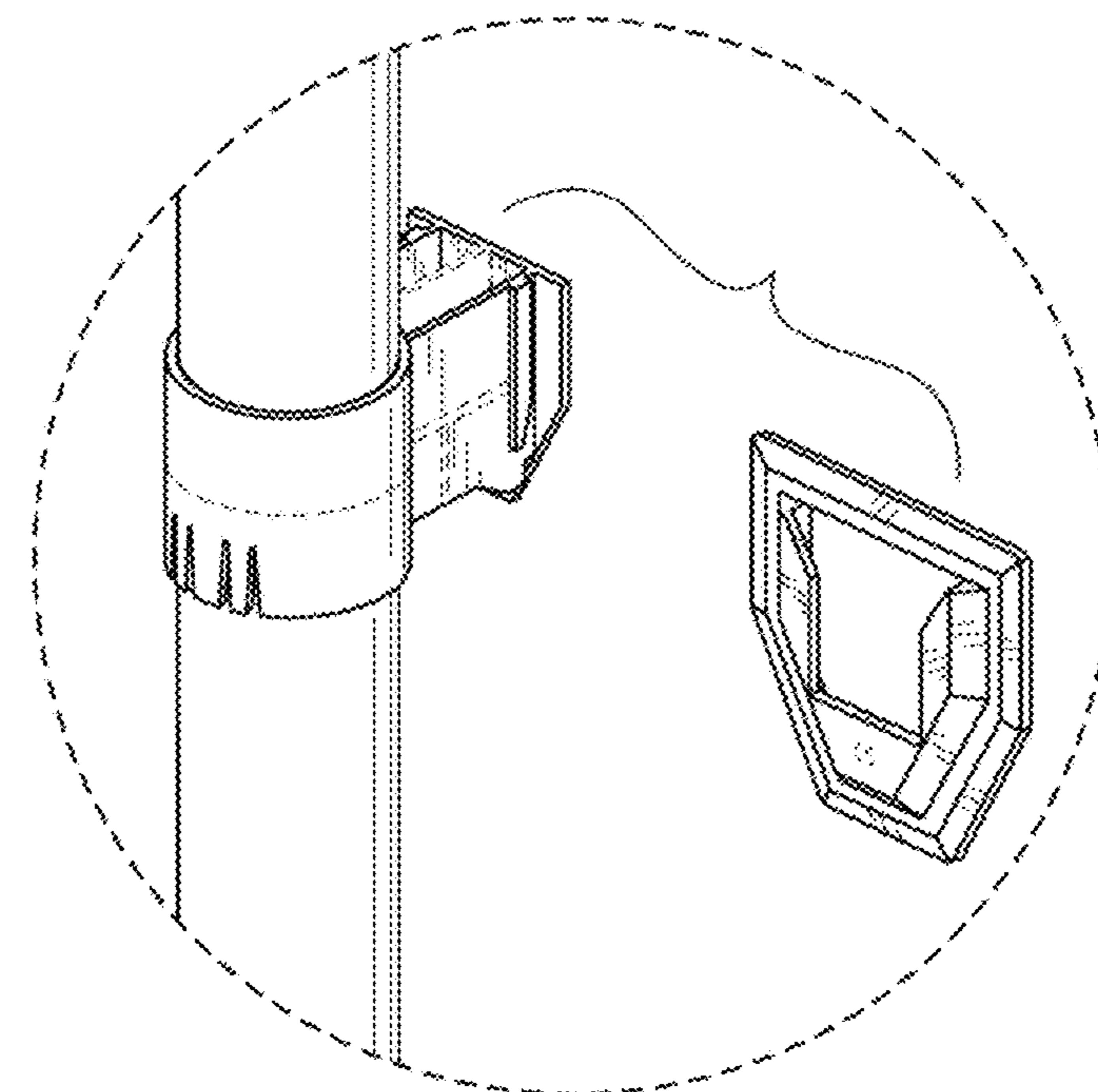


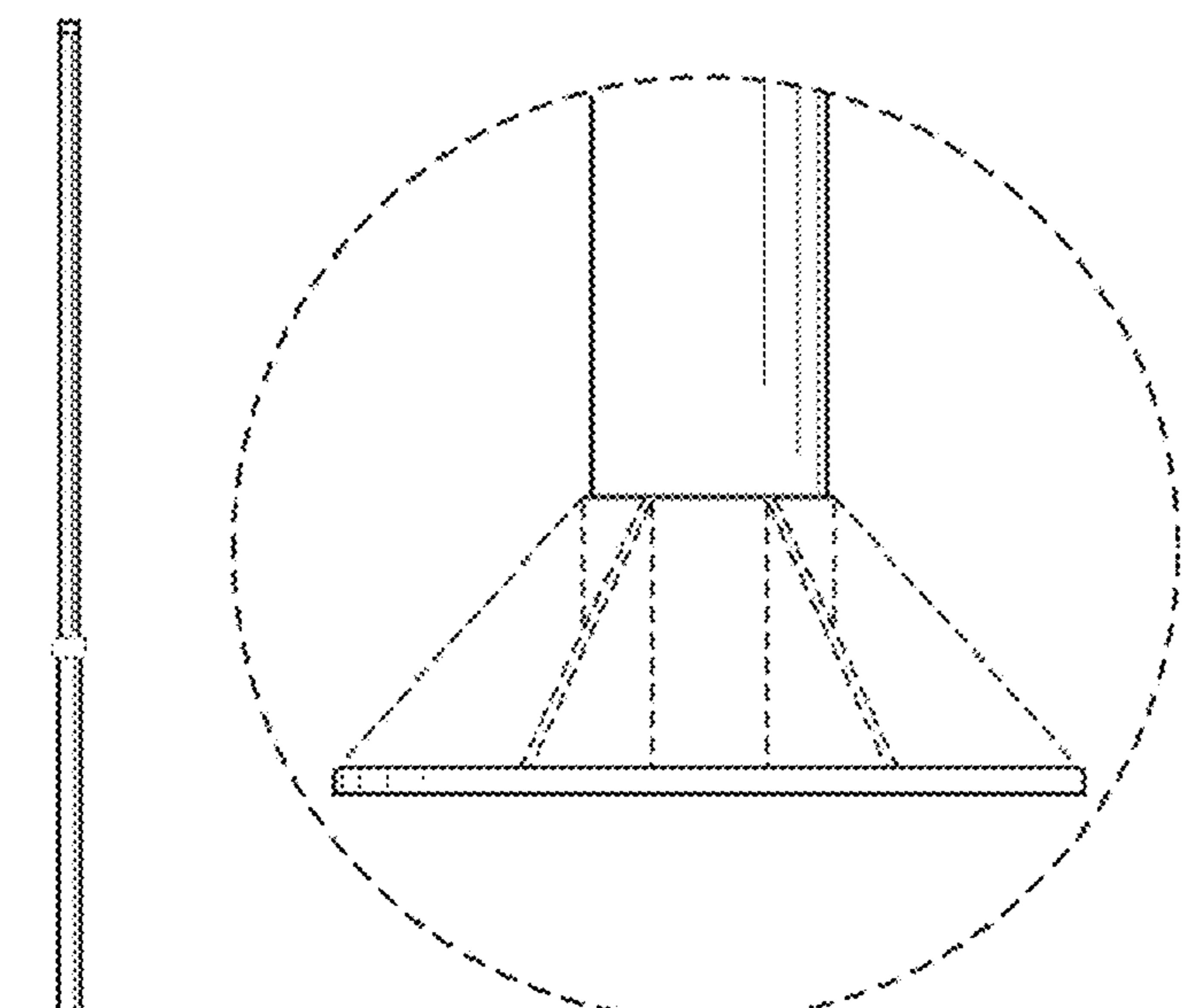
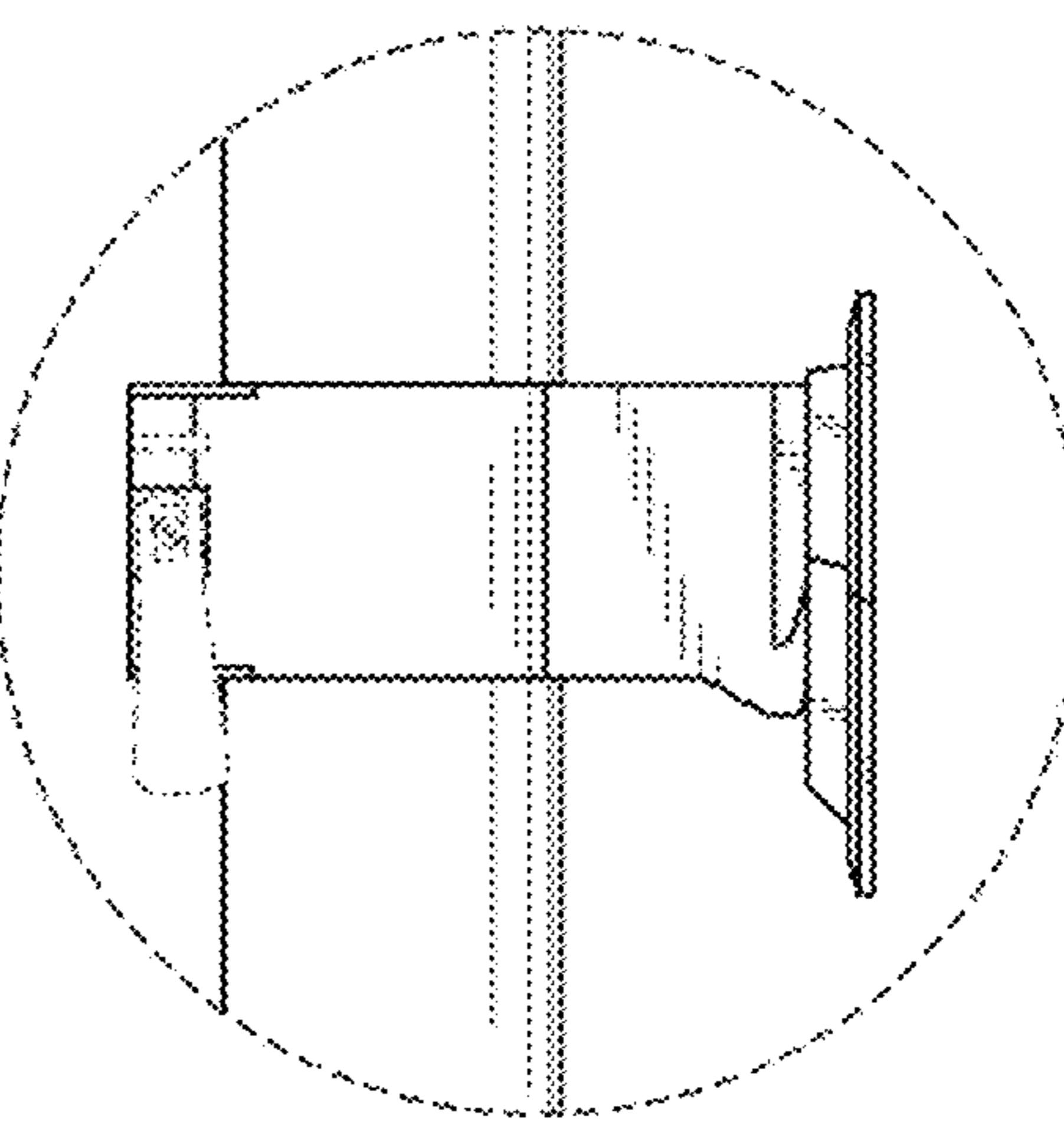
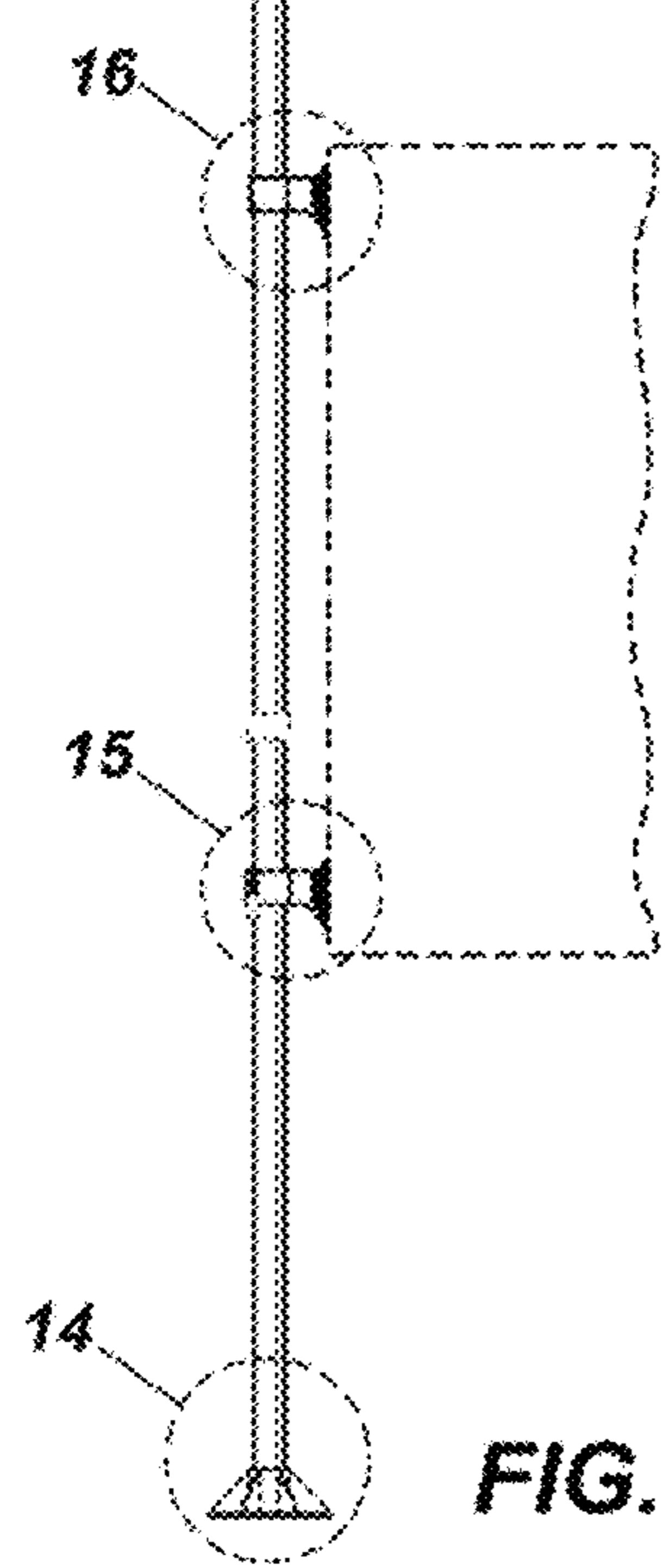
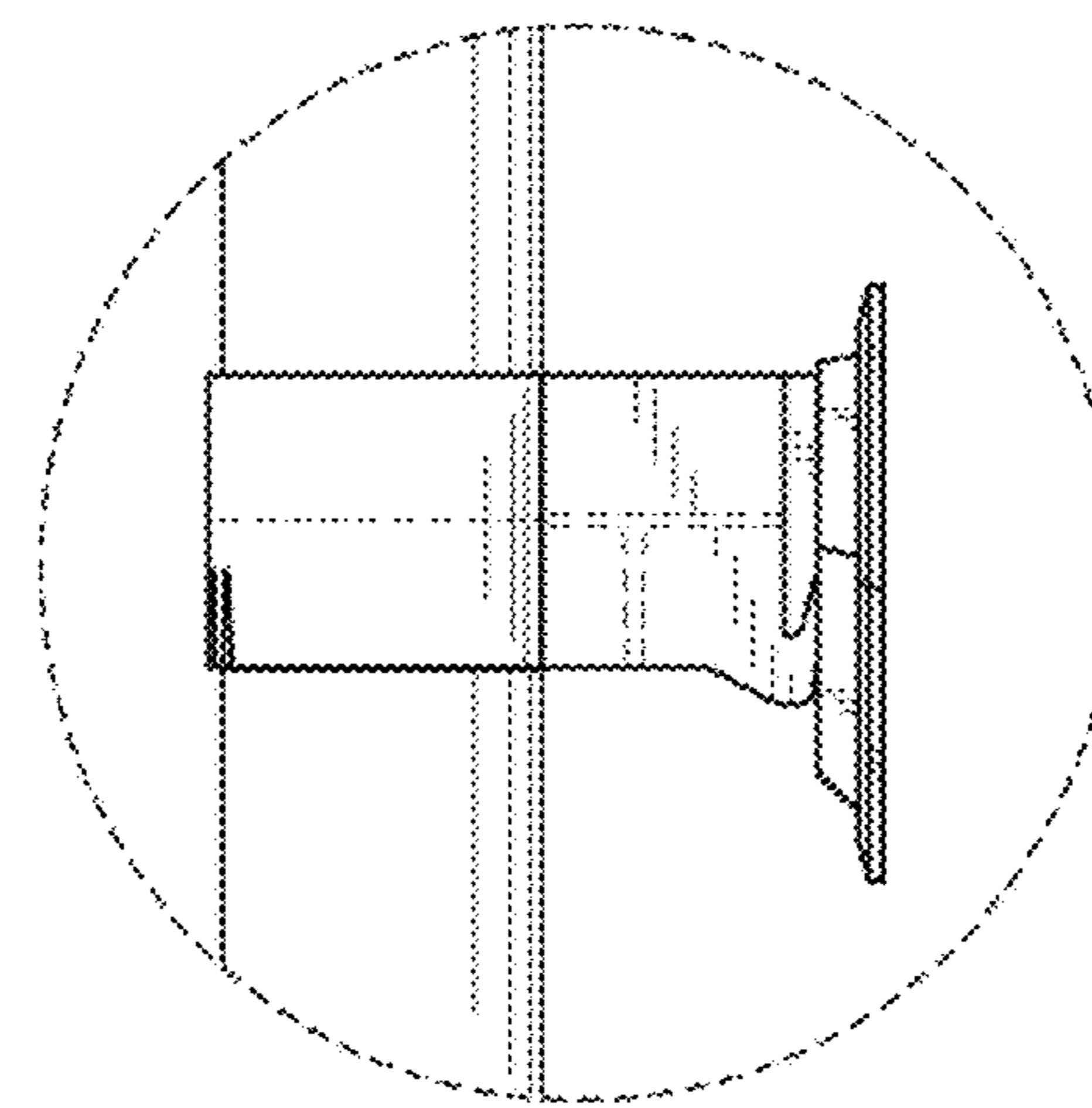
FIG. 6

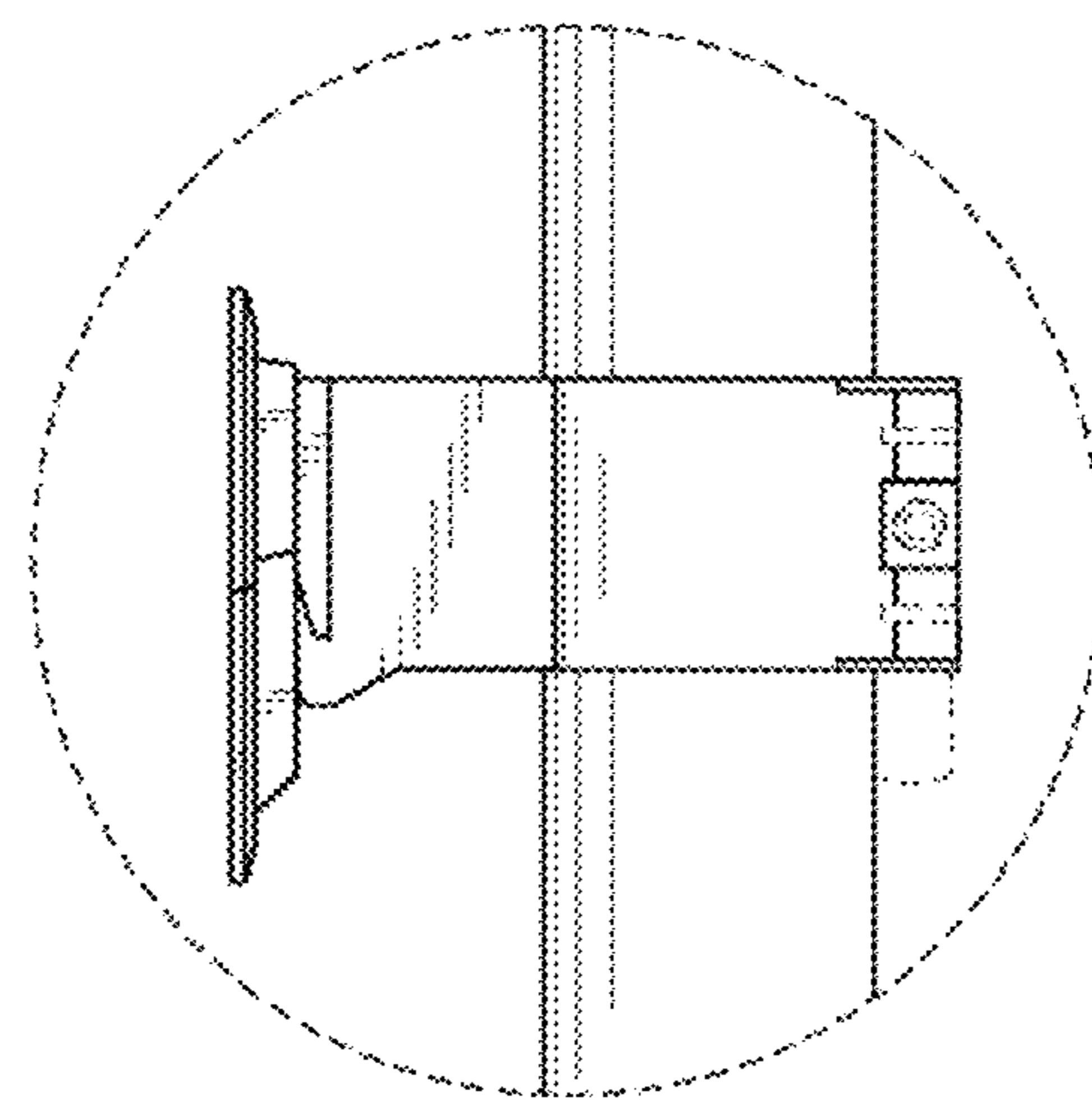
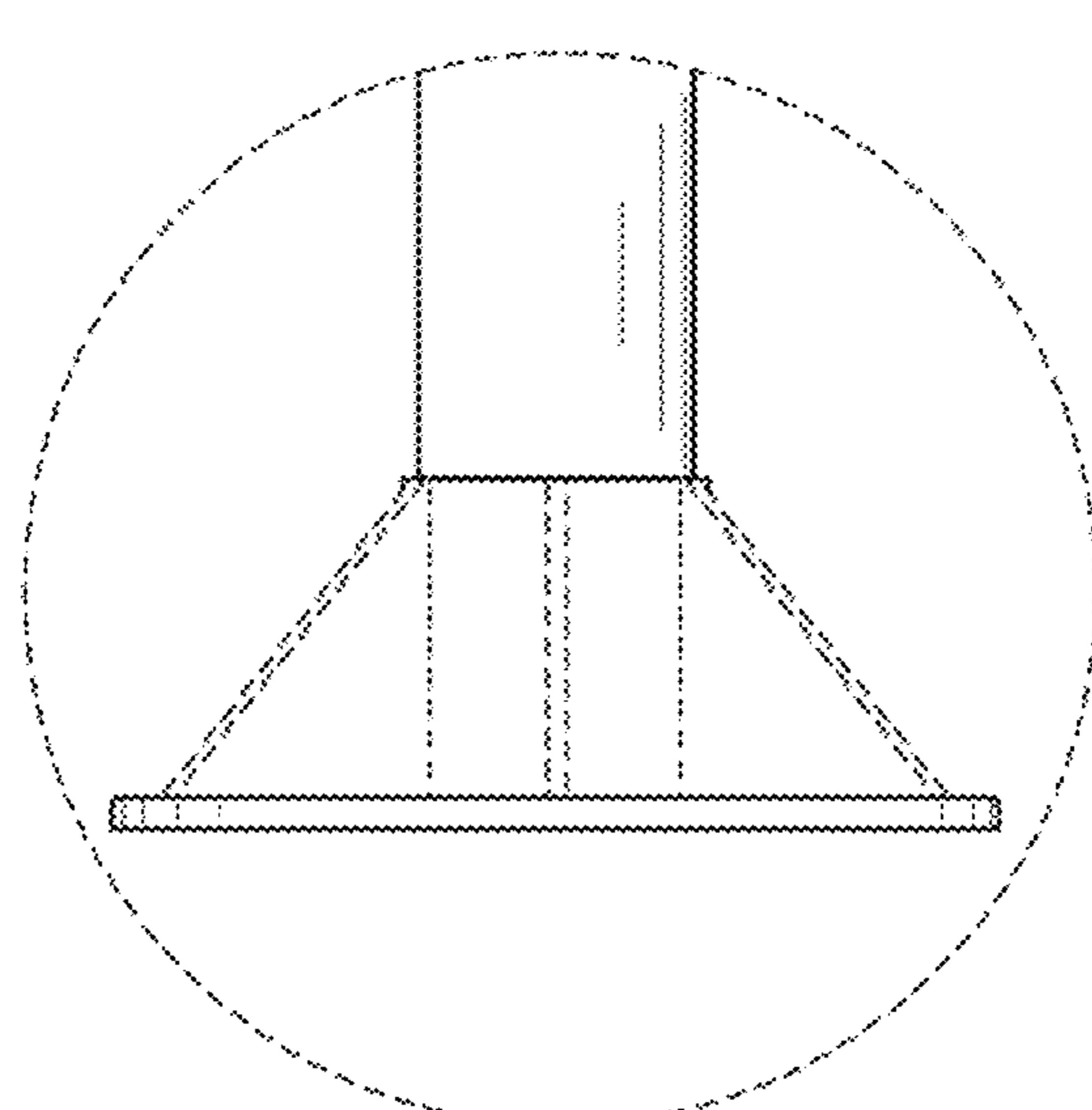
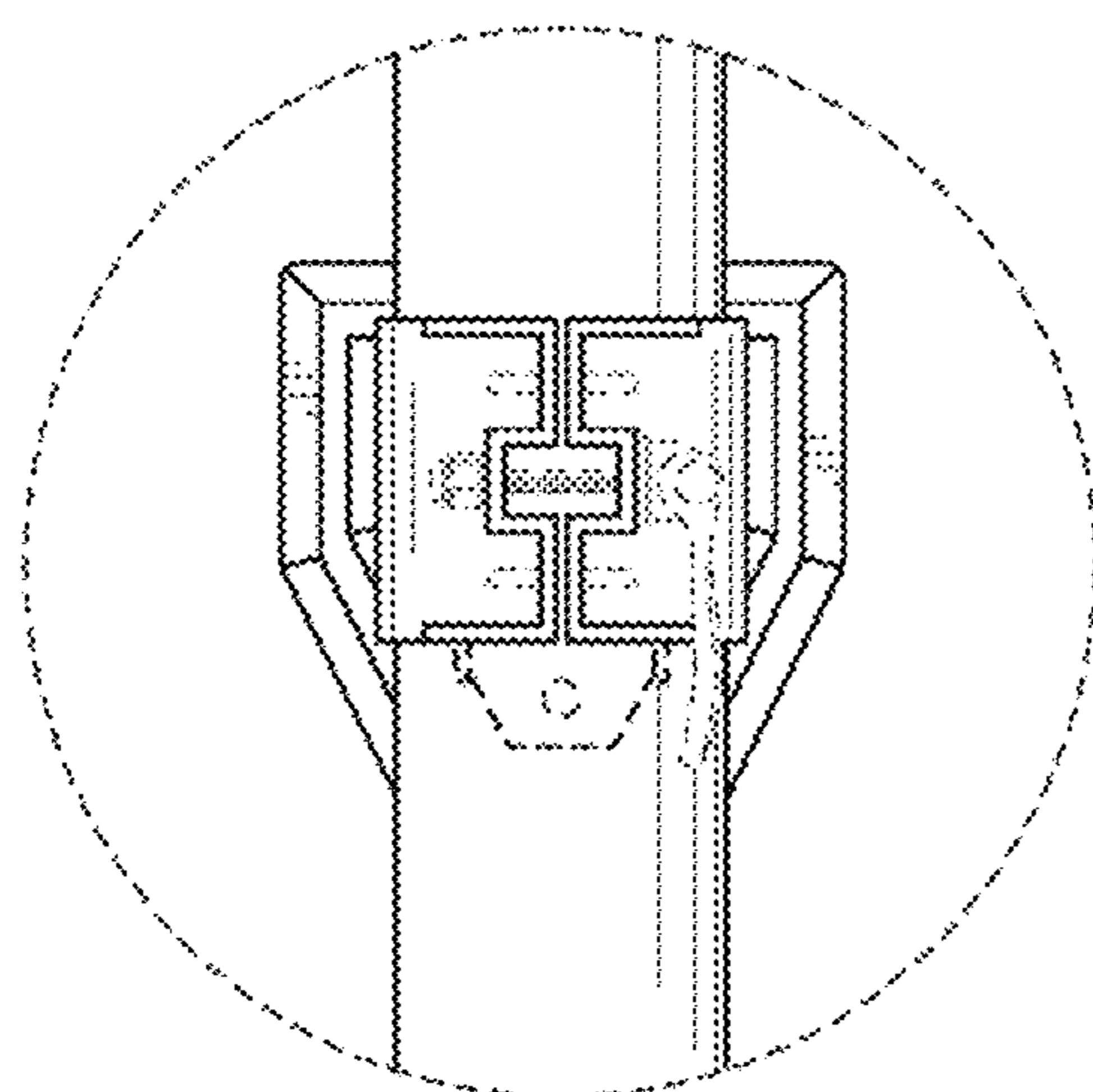
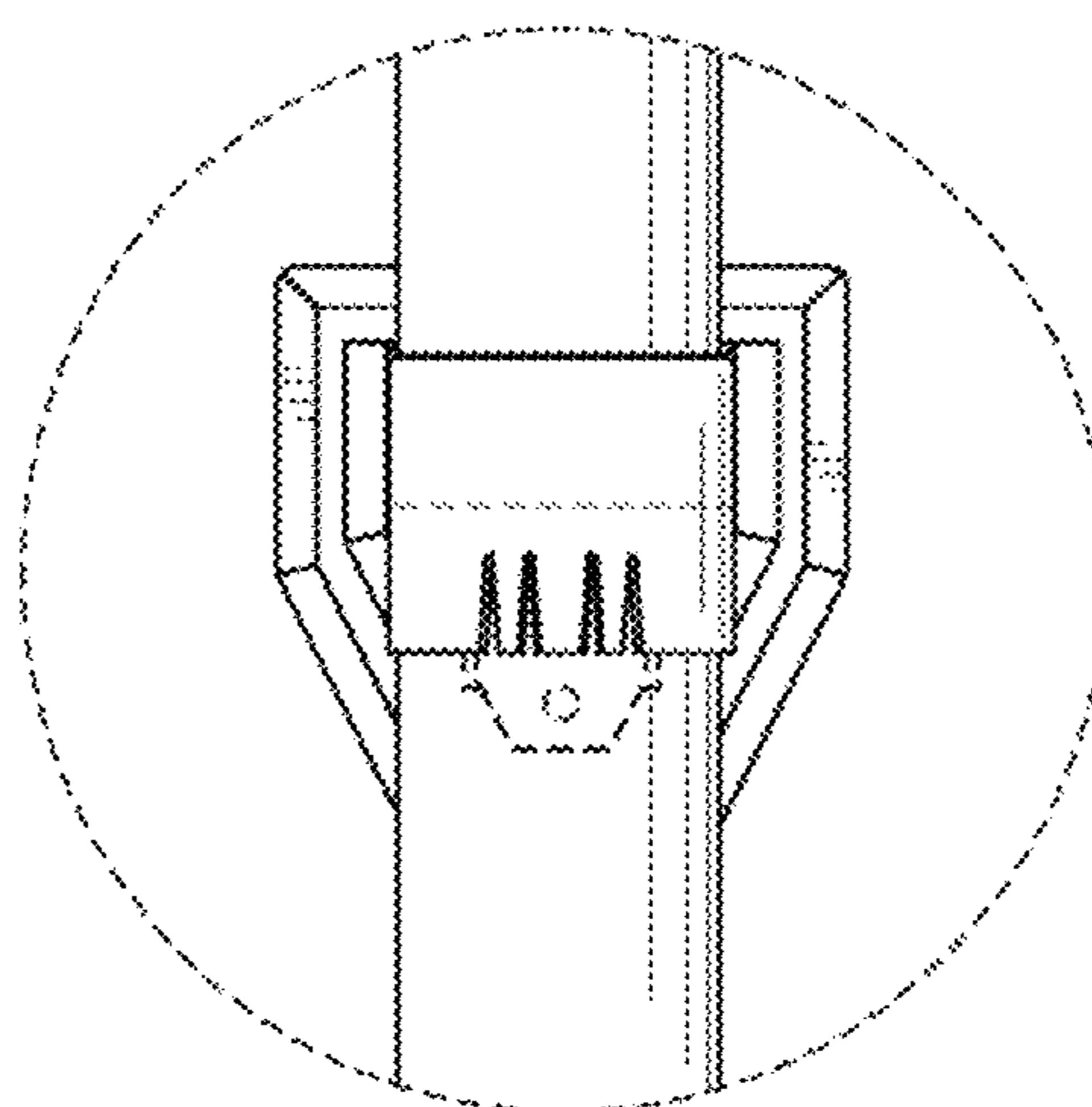


FIG. 7

**FIG. 8****FIG. 9****FIG. 10**

**FIG. 11****FIG. 12**

**FIG. 14****FIG. 15****FIG. 13****FIG. 16**

**FIG. 17****FIG. 18****FIG. 19****FIG. 20**

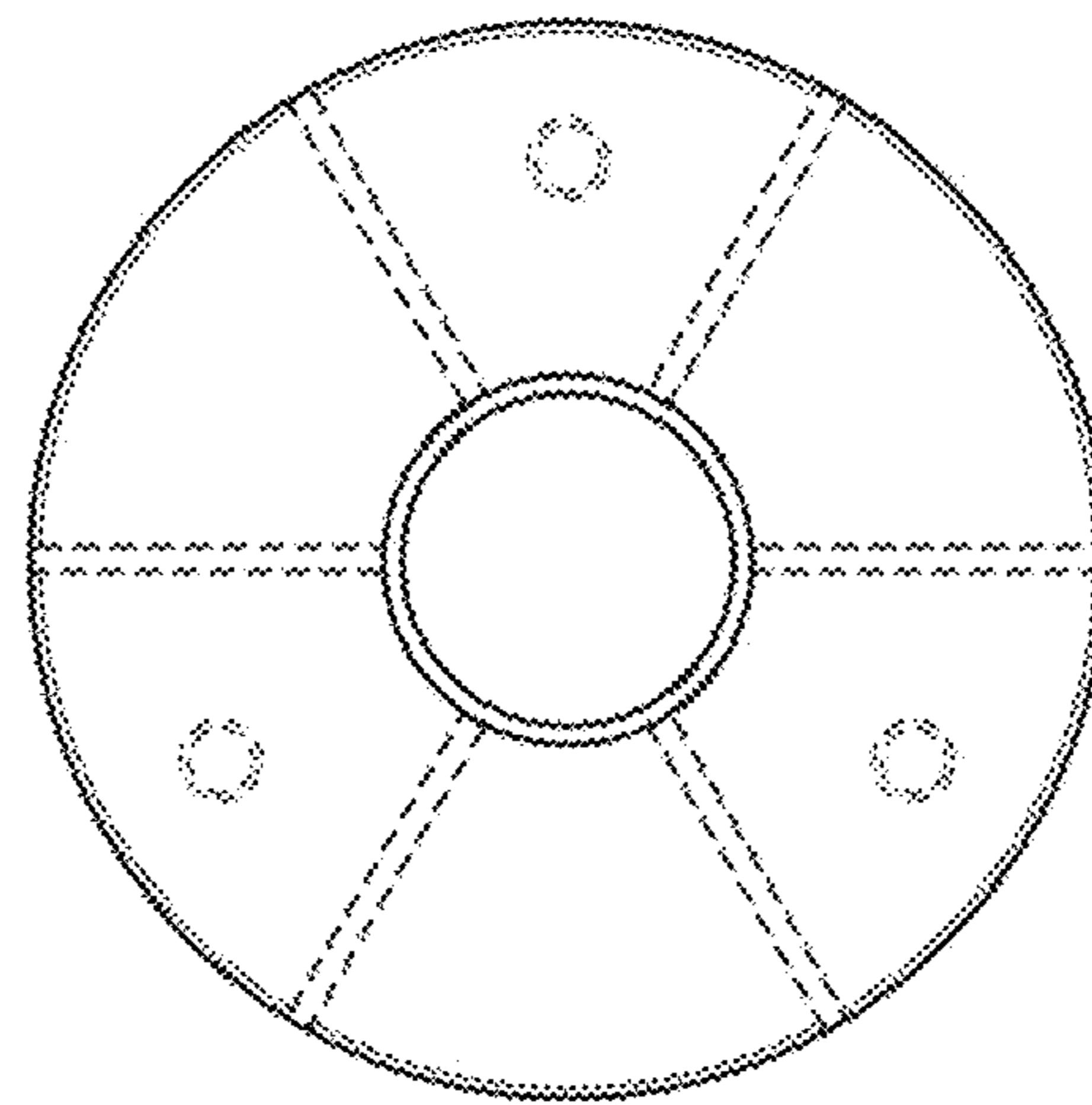


FIG. 21

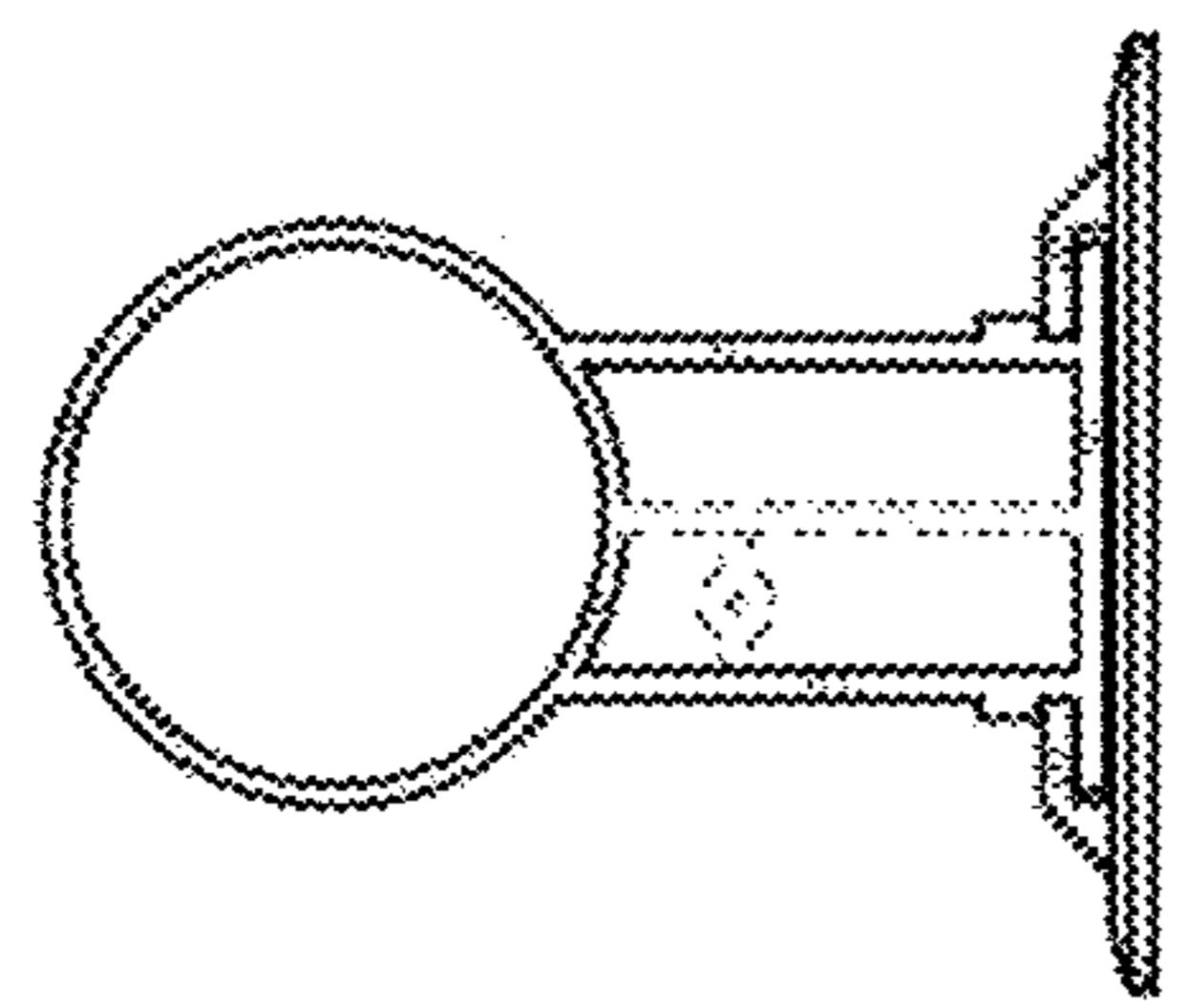


FIG. 22

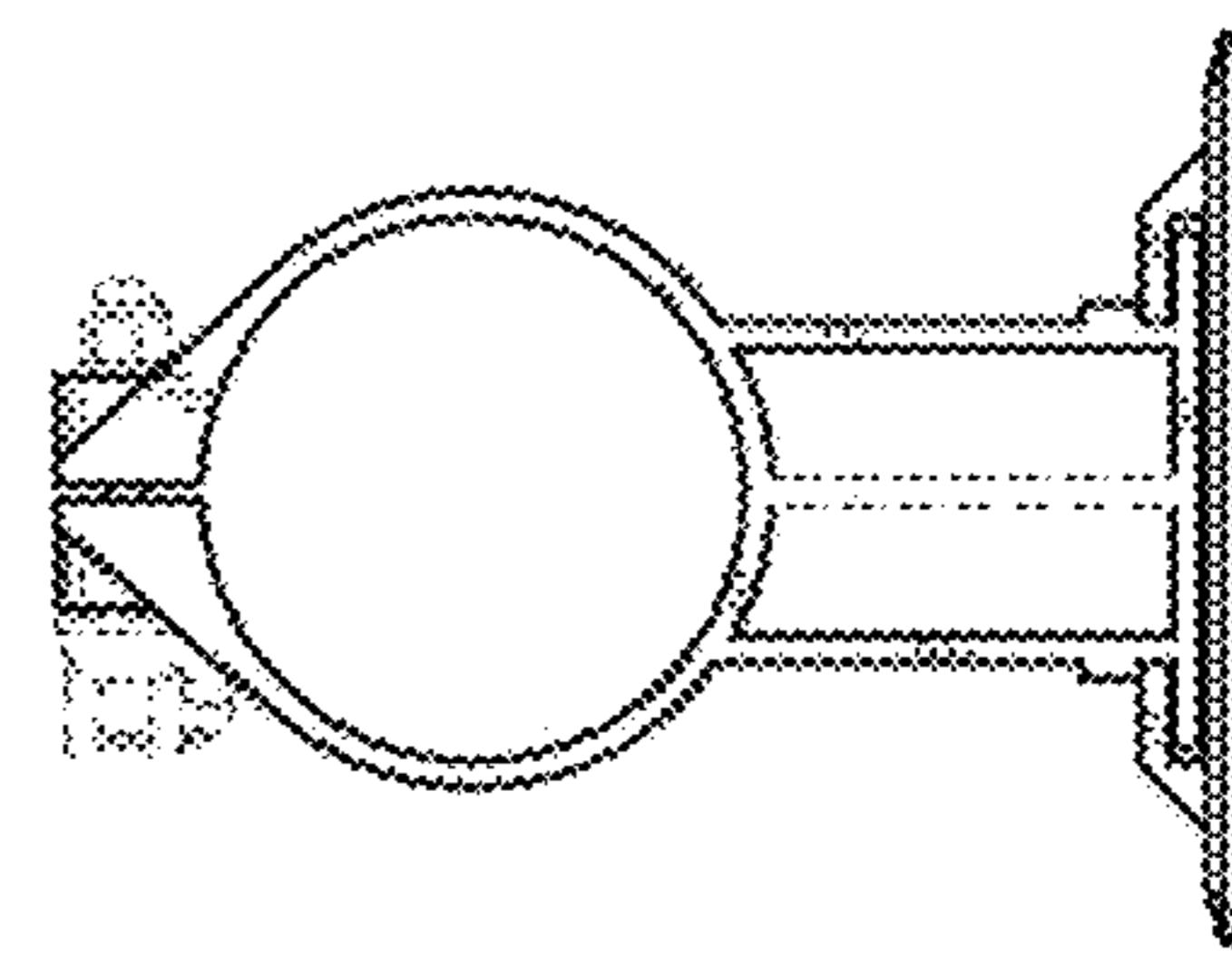


FIG. 23