

US00D499746S

(12) **United States Design Patent** (10) **Patent No.:** **US D499,746 S**
Suehiro et al. (45) **Date of Patent:** **** Dec. 14, 2004**

(54) **GAS GENERATOR FOR AN AIR BAG SYSTEM**

(75) Inventors: **Akihiko Suehiro**, Himeji (JP); **Takayoshi Dosai**, Himeji (JP); **Tetsuo Saito**, Himeji (JP)

(73) Assignee: **Nippon Kayaku Kabushiki Kaisha**, Tokyo (JP)

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

(21) Appl. No.: **29/194,281**

(22) Filed: **Nov. 24, 2003**

(30) **Foreign Application Priority Data**

May 22, 2003	(JP)	.....	2003-014152
May 22, 2003	(JP)	.....	2003-014163
May 22, 2003	(JP)	.....	2003-014164
May 22, 2003	(JP)	.....	2003-014165

(51) **LOC (7) Cl.** **15-02**

(52) **U.S. Cl.** **D15/9**

(58) **Field of Search** D15/7-9; 417/321, 417/410, 413.1, 415, 423.3, 486, 521, 534; 415/148

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,934,984	A *	1/1976	Marlow et al.	.....	422/166
3,958,949	A *	5/1976	Plantif et al.	.....	422/166
4,923,212	A *	5/1990	Cuevas	.....	280/736
5,106,119	A *	4/1992	Swann et al.	.....	280/731
5,346,251	A *	9/1994	Burnard et al.	.....	280/737
5,488,118	A *	1/1996	Koshigoe et al.	.....	549/518
5,547,213	A *	8/1996	Lang et al.	.....	280/728.2
5,582,428	A *	12/1996	Buchanan et al.	.....	280/741
6,056,319	A *	5/2000	Ruckdeschel et al.	.....	280/741
6,328,332	B1 *	12/2001	Schutz	.....	280/728.2
6,435,540	B1 *	8/2002	Durre	.....	280/728.2
6,540,256	B2 *	4/2003	Iwai et al.	.....	280/736

* cited by examiner

Primary Examiner—Ralf Seifert

(74) *Attorney, Agent, or Firm*—Oblon, Spivak, McClelland, Maier & Neustadt, P.C.

(57) **CLAIM**

The ornamental design for a gas generator for an air bag system, as shown and described.

DESCRIPTION

FIG. 1 is a front elevation view of a gas generator for an air bag system showing our design, the rear elevational view being an mirror image of the front view shown;

FIG. 2 is a right side elevational view therefore, the left side elevational view being a mirror image of the side view shown;

FIG. 3 is a top plan view thereof;

FIG. 4 is a bottom plan view thereof;

FIG. 5 is a cross-sectional view taken in the direction of the arrows along line 5—5 of FIG. 3;

FIG. 6 is a cross-sectional view taken in the direction of the arrows along line 6—6 of FIG. 3;

FIG. 7 is a front elevational view of a second embodiment thereof, the rear elevational view being a mirror image of the front view shown;

FIG. 8 is a right side elevational view thereof, the left side elevational view being a mirror image of the side view shown;

FIG. 9 is a top plan view thereof;

FIG. 10 is a bottom plan view thereof;

FIG. 11 is a cross-sectional view taken in the direction of the arrows along line 11—11 of FIG. 9;

FIG. 12 is a cross-sectional view taken in the direction of the arrows along line 12—12 of FIG. 9;

FIG. 13 is a front elevational view of a third embodiment thereof, the rear elevational view being a mirror image of the view shown;

FIG. 14 is a right side elevational view thereof, the left side elevational view being a mirror image of the side view shown;

FIG. 15 is a top plan view thereof;

FIG. 16 is a bottom plan view thereof;

FIG. 17 is a cross-sectional view taken in the direction of the arrows along line 17—17 of FIG.15;

FIG. 18 is a cross-sectional view taken in the direction of the arrows along line 18—18 of FIG. 15;

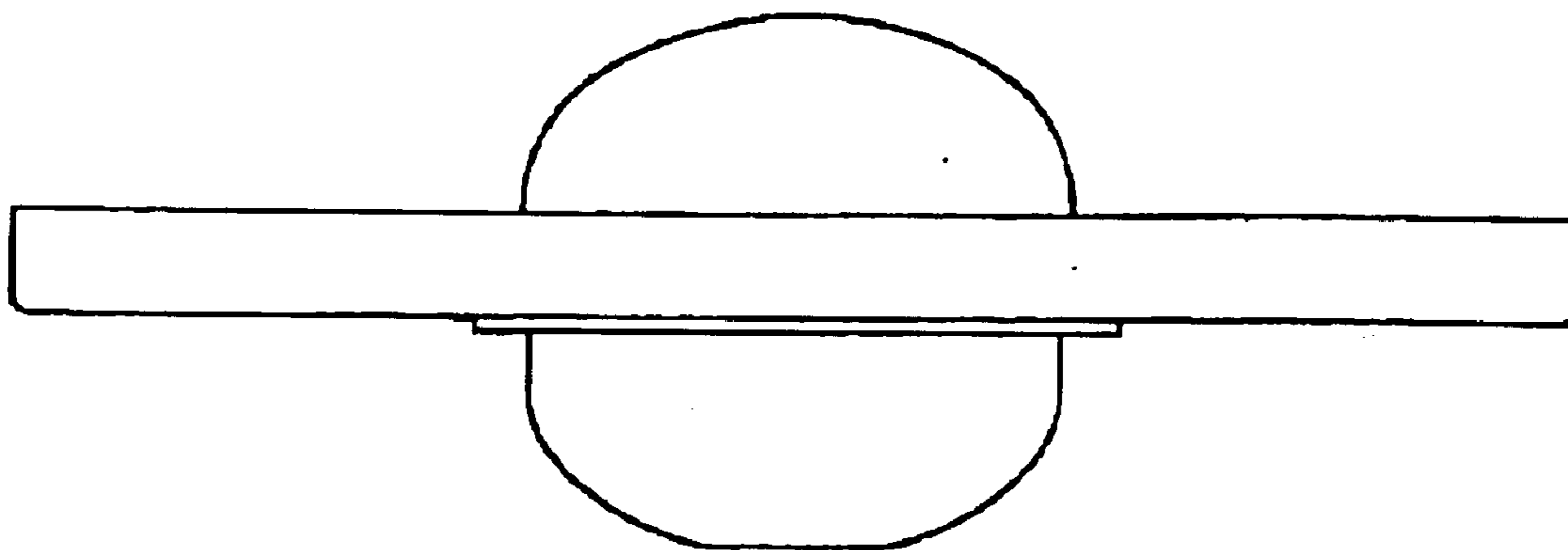


FIG. **19** is a front elevational view of a fourth embodiment thereof, the rear elevational view being a mirror image of the front view shown;

FIG. **20** is a right side elevational view thereof, the left side elevational view being a mirror image of the side view shown;

FIG. **21** is a top plan view thereof;

FIG. **22** is a bottom plan view thereof;

FIG. **23** is a cross-sectional view taken in the direction of the arrows along line **23—23** of FIG. **21**; and,

FIG. **24** is a cross-sectional view taken in the direction of the arrows along line **24—24** of FIG. **21**.

1 Claim, 24 Drawing Sheets

FIG. 1

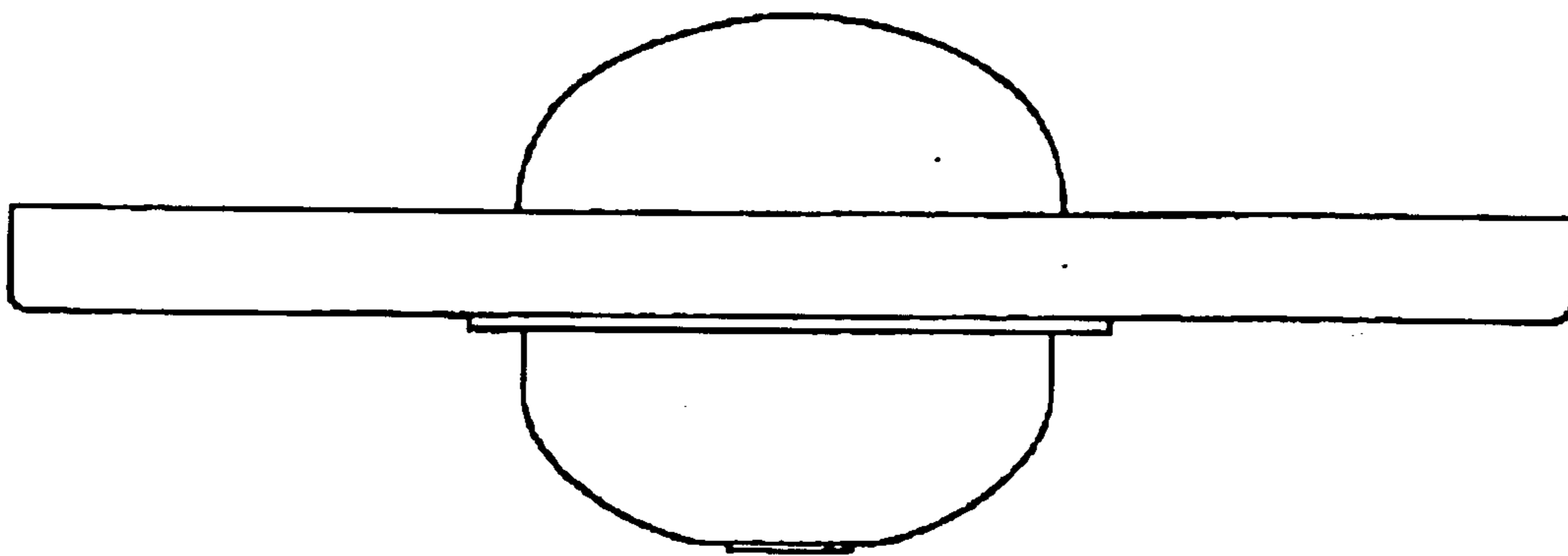


FIG. 2

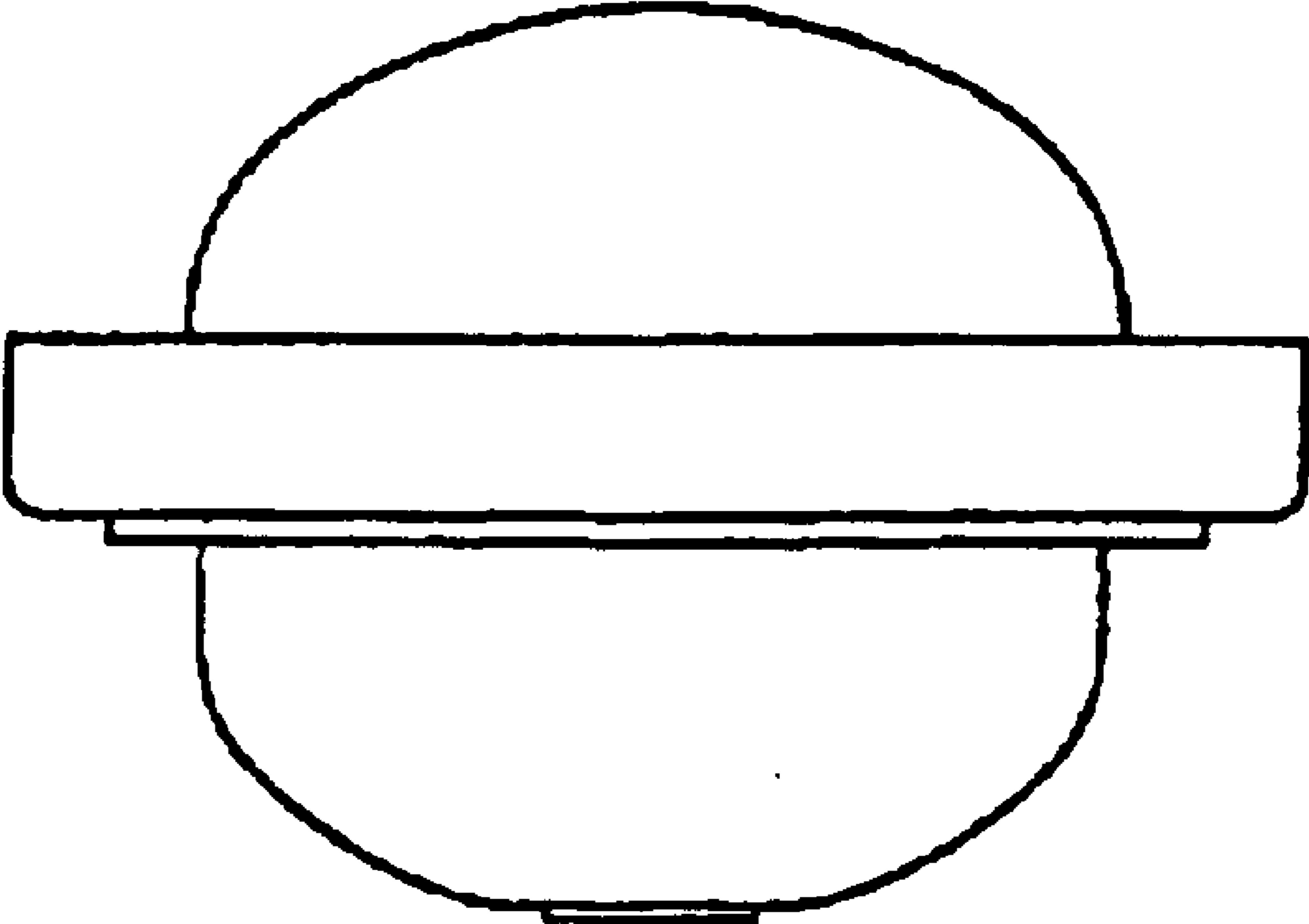


FIG. 3

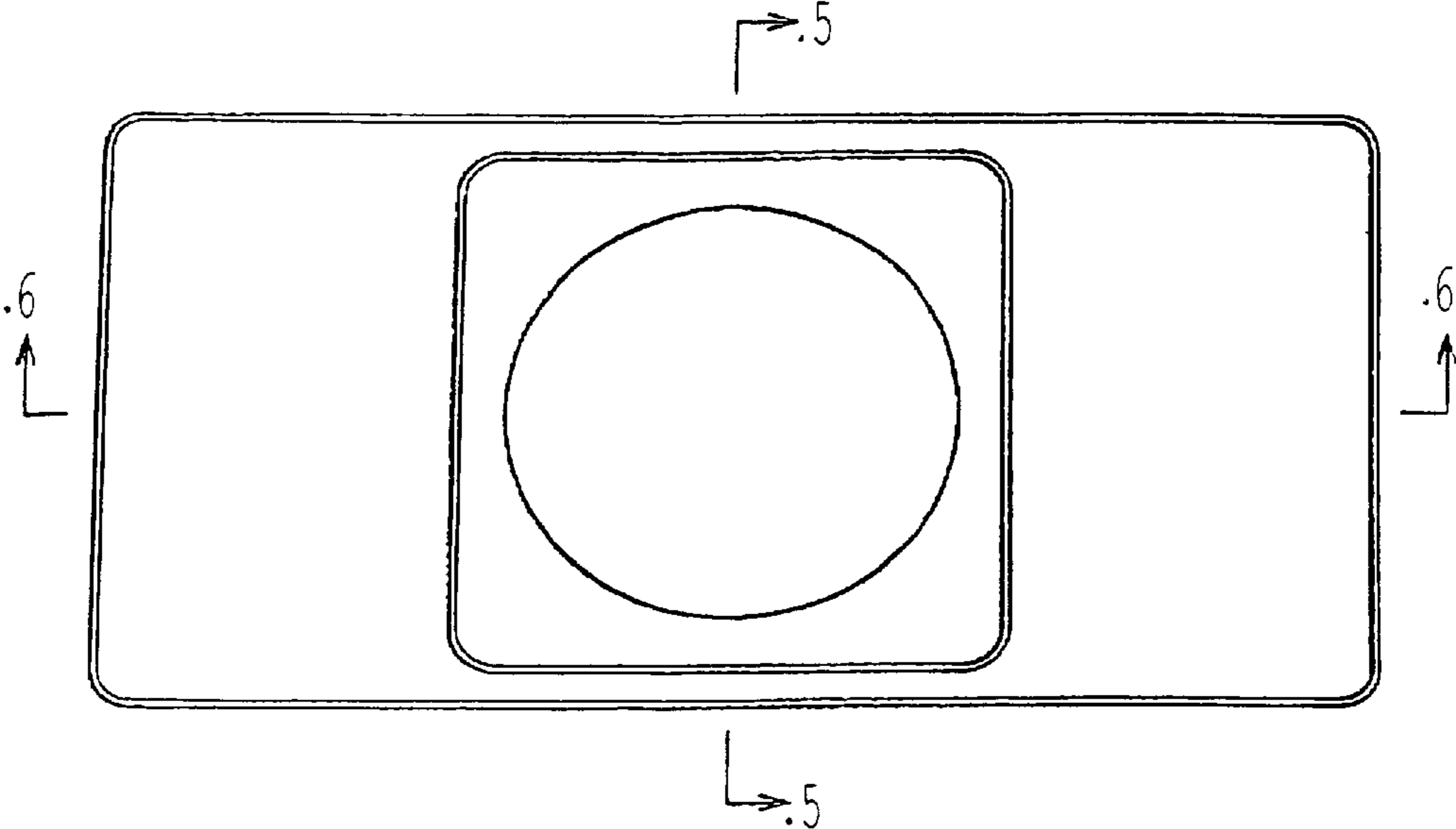


FIG.4

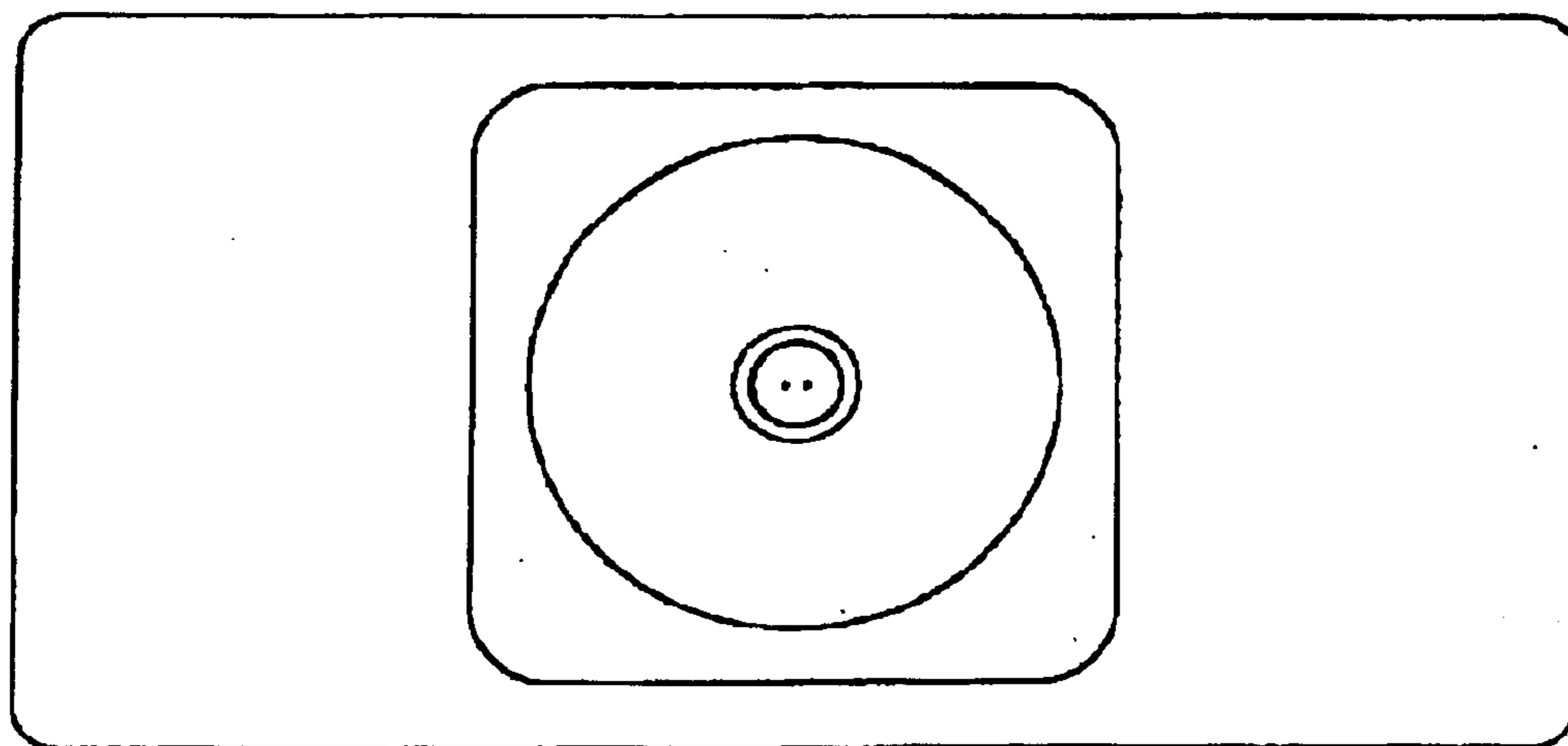


FIG. 5

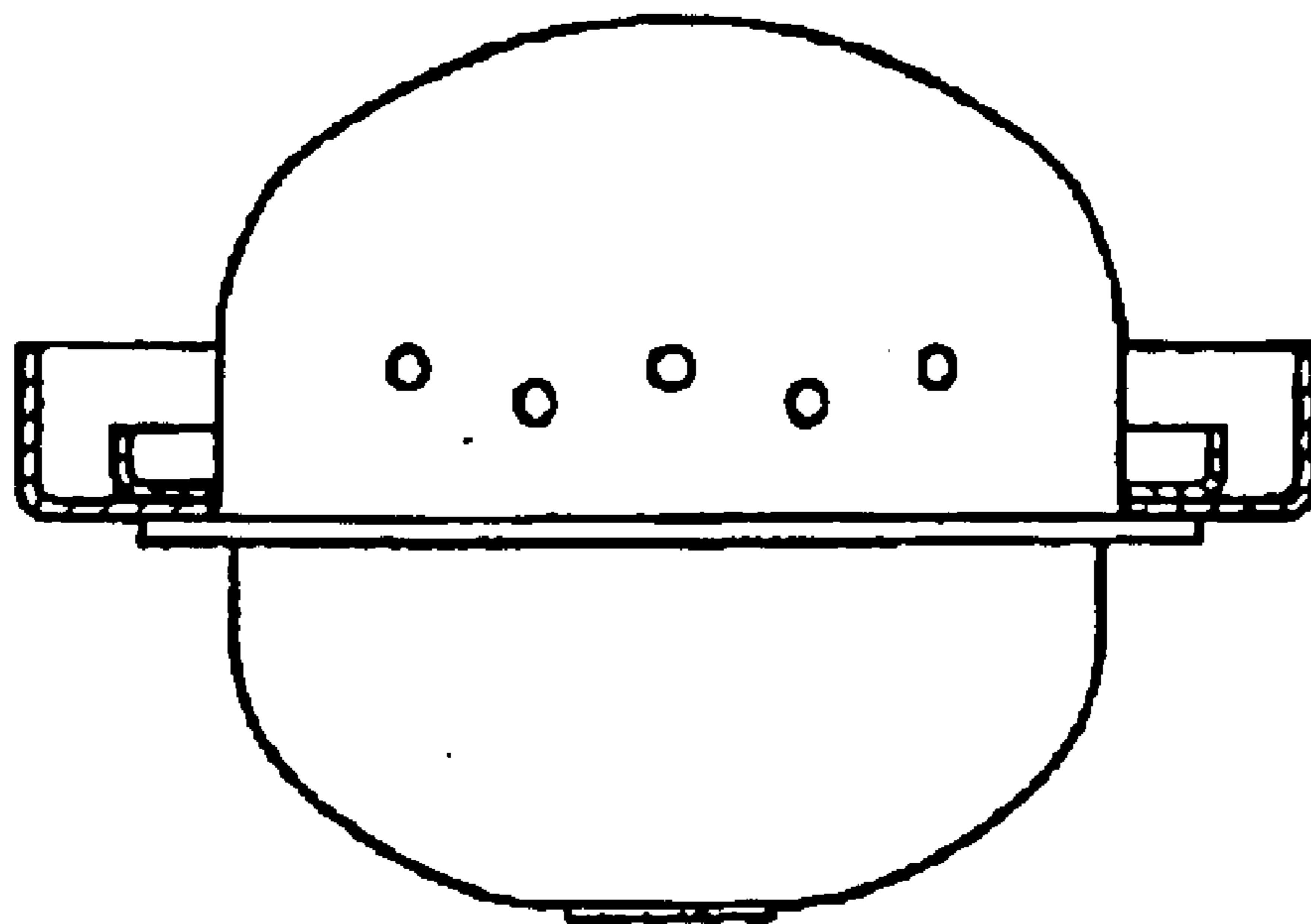


FIG. 6

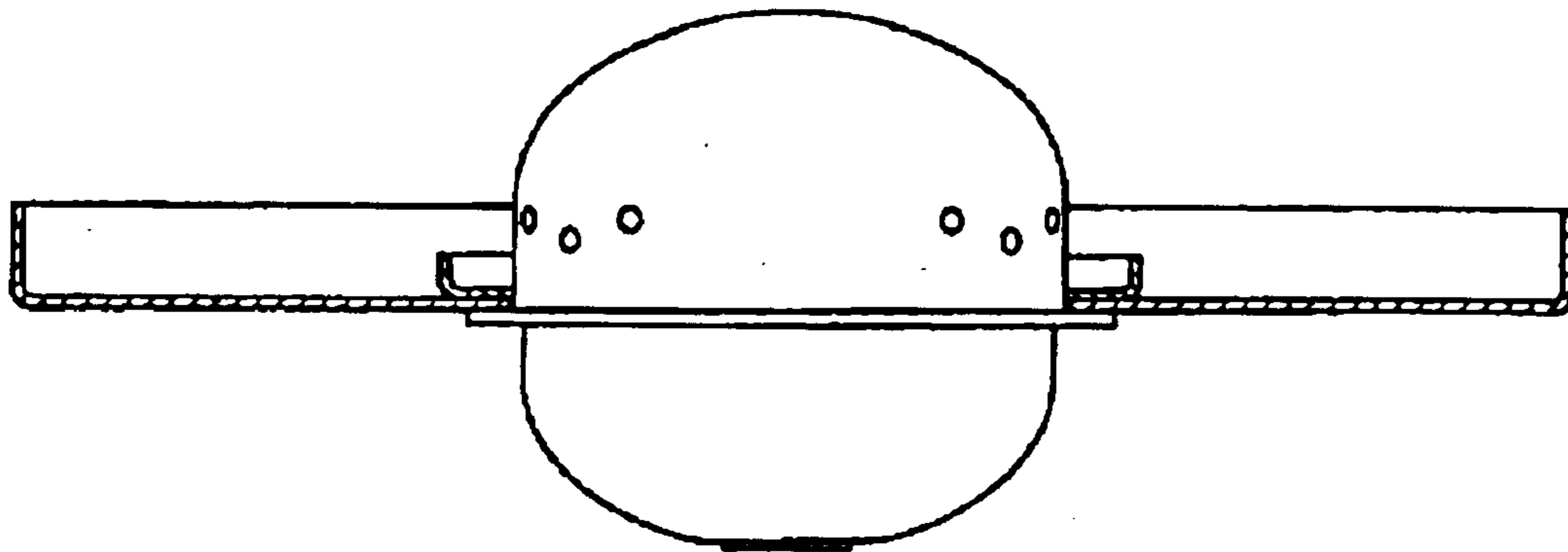


FIG. 7

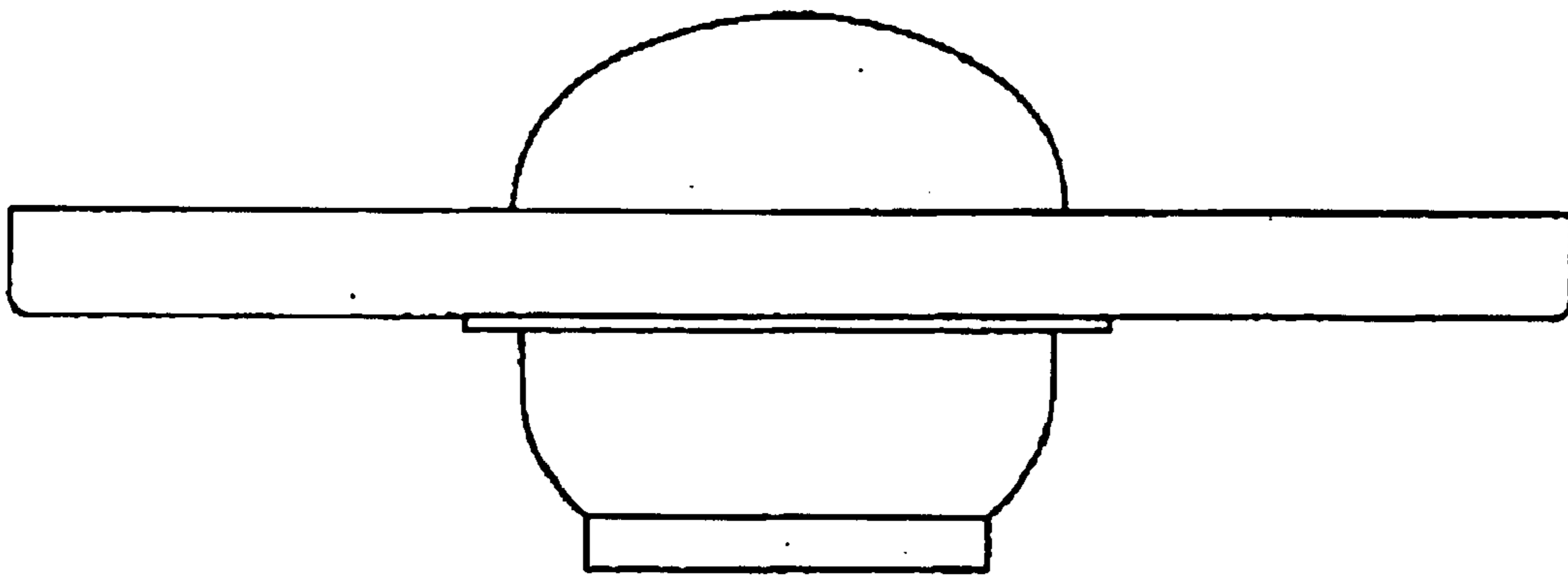


FIG. 8

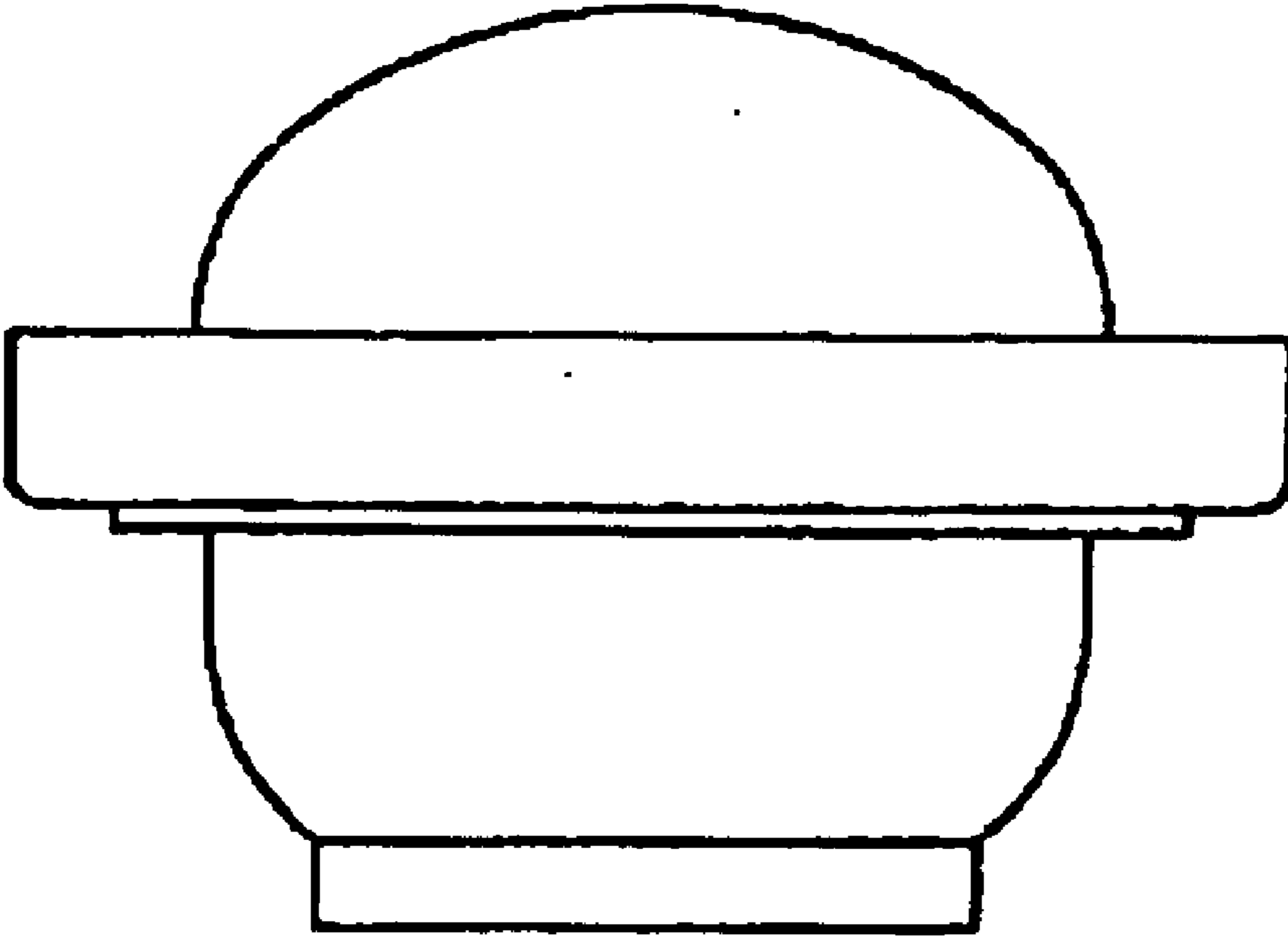


FIG. 9

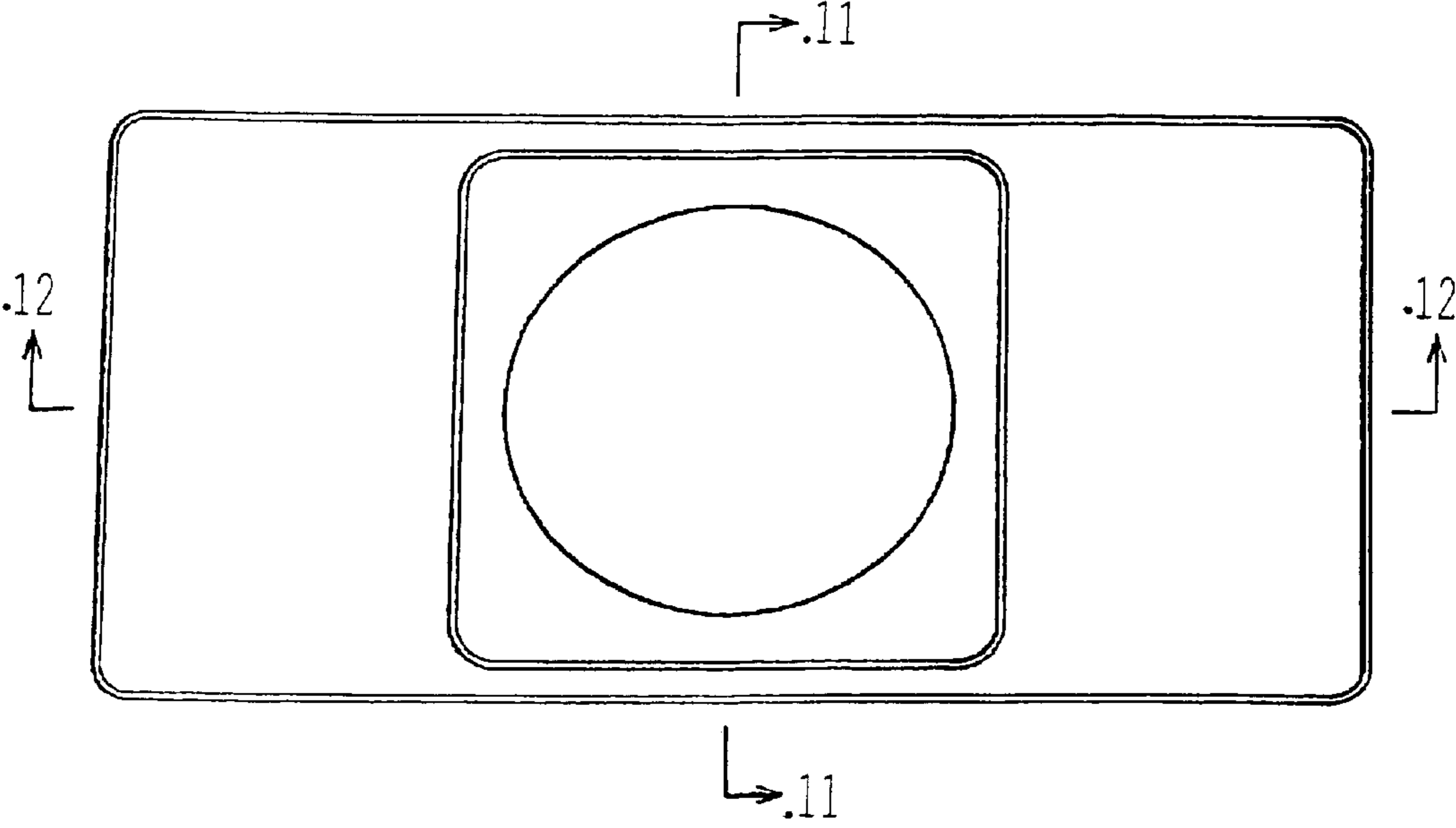


FIG. 10

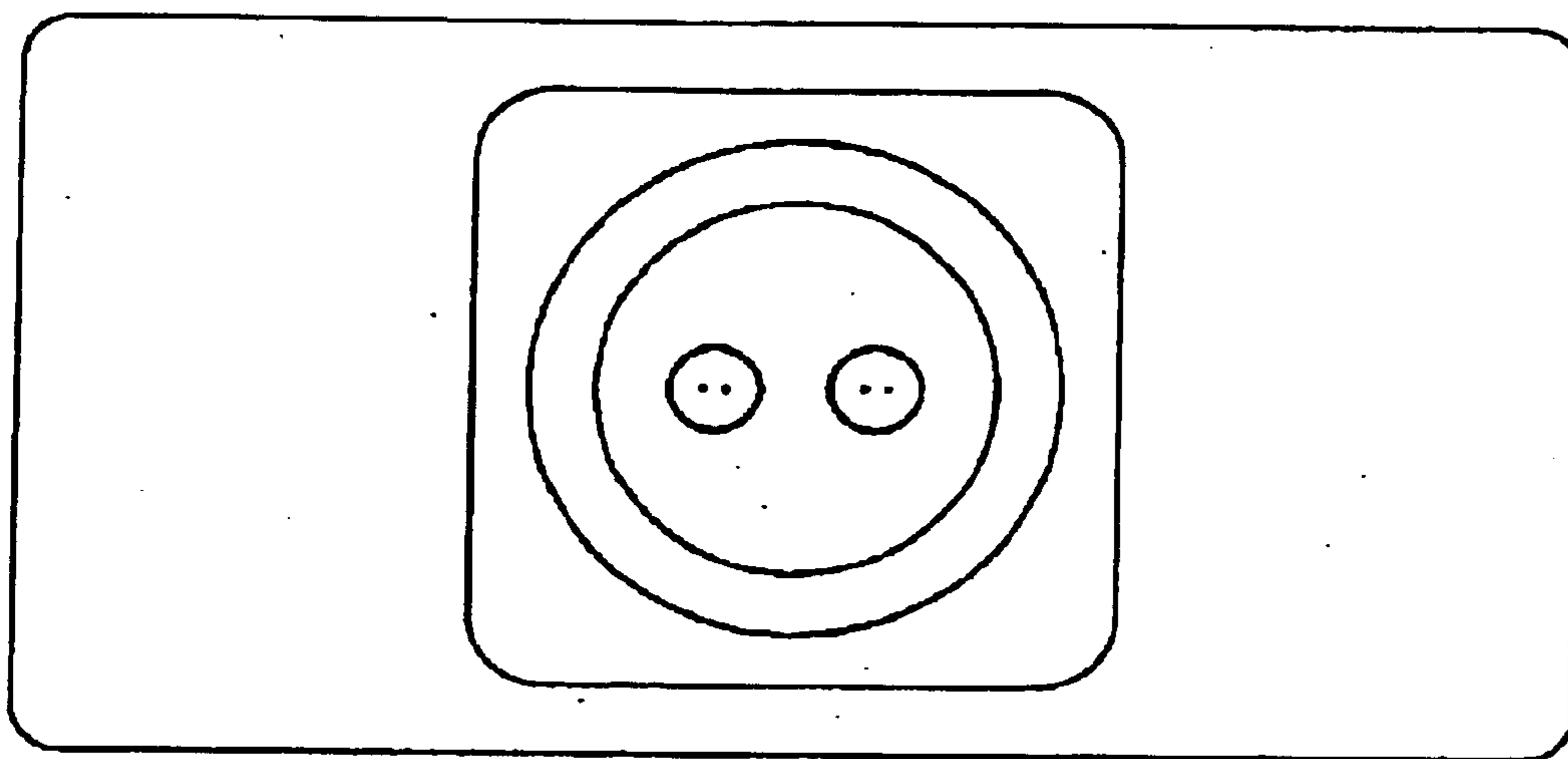


FIG. 11

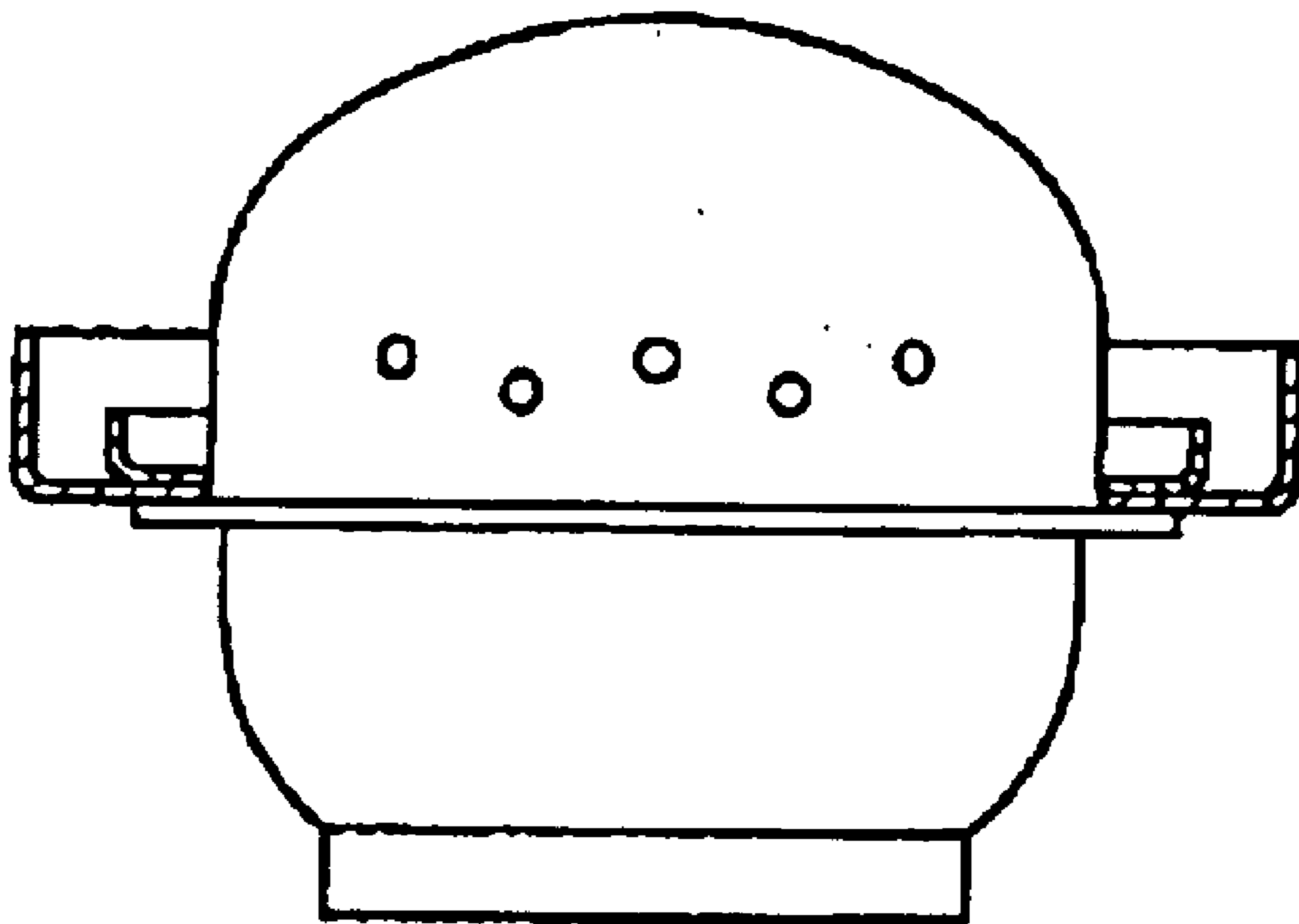


FIG. 12

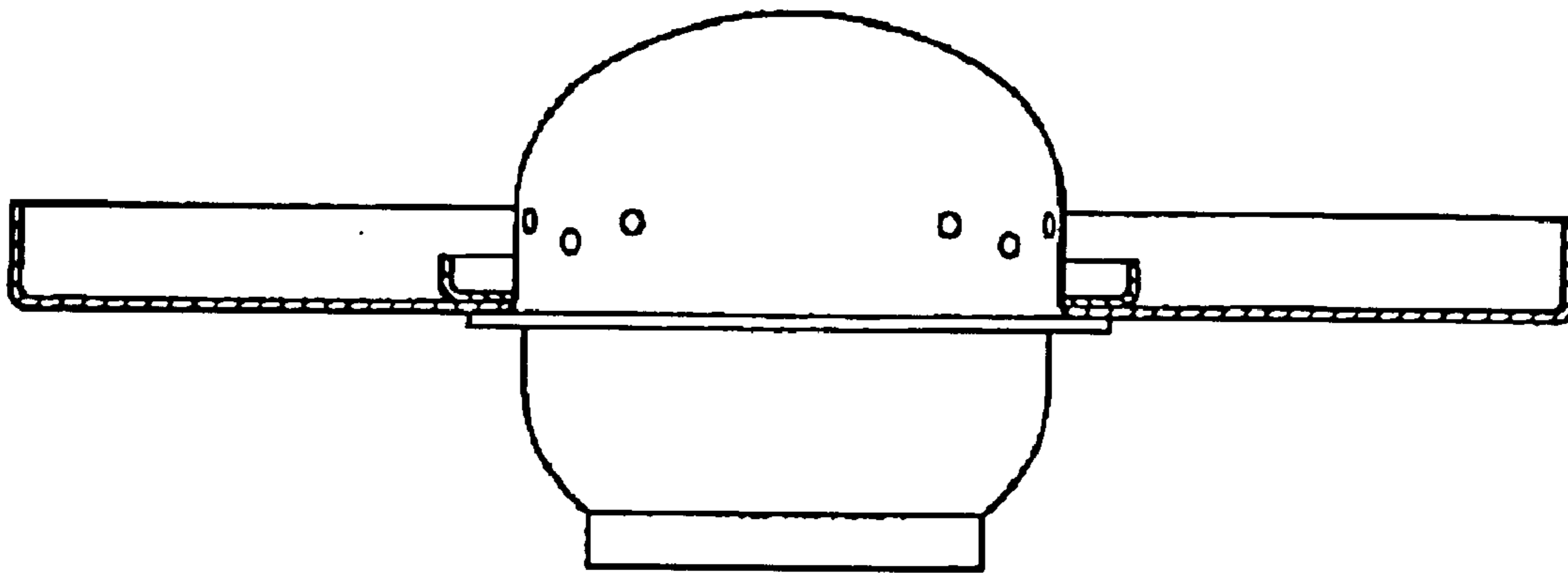


FIG. 13

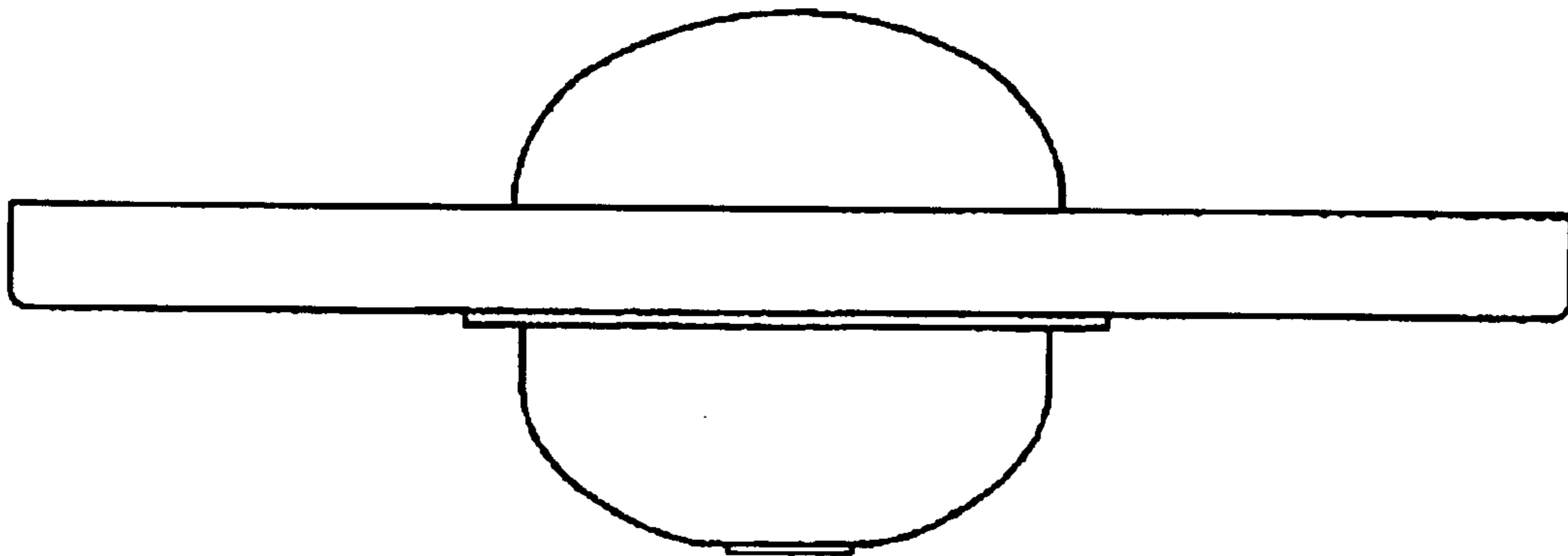


FIG. 14

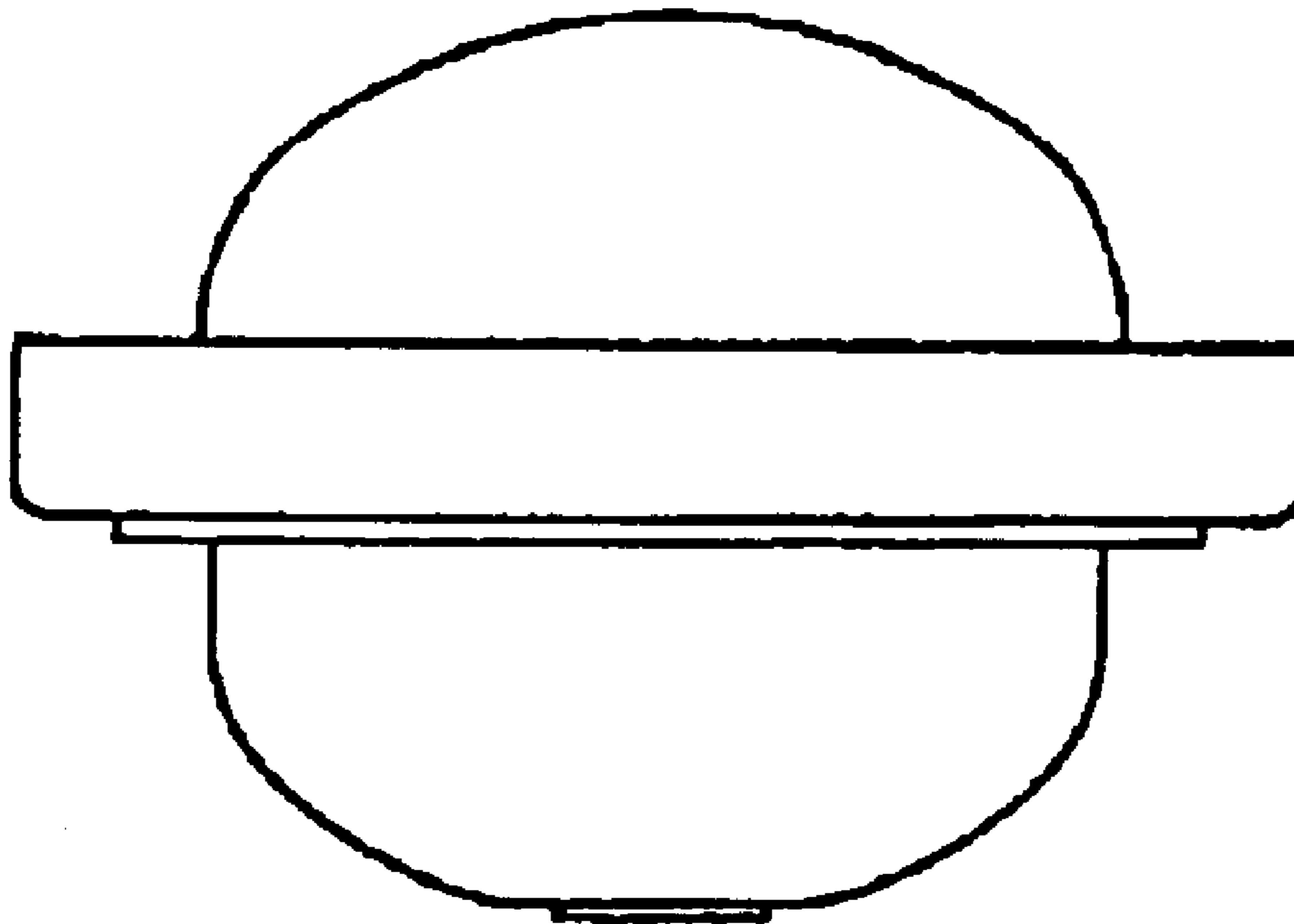


FIG. 15

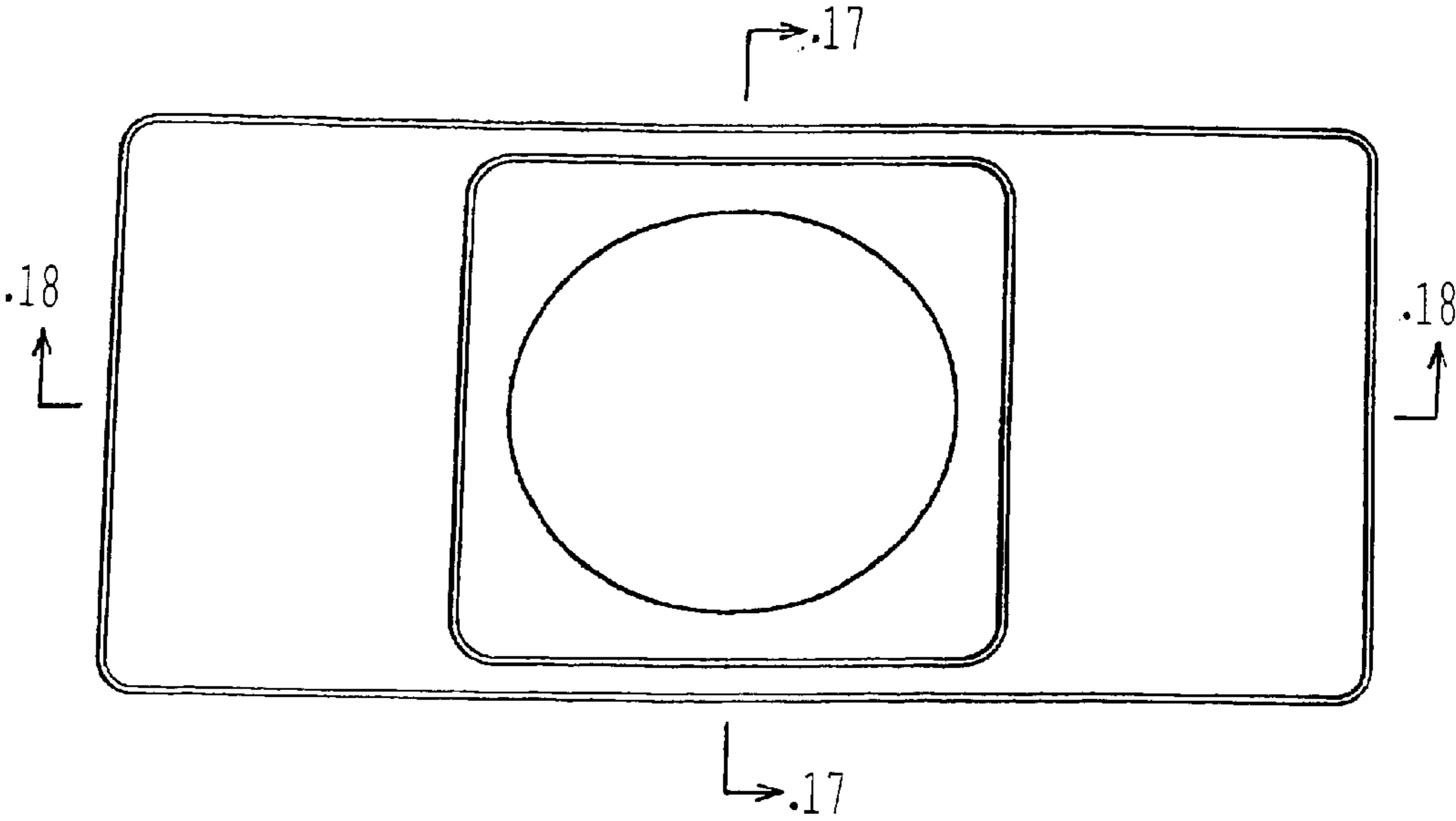


FIG. 16

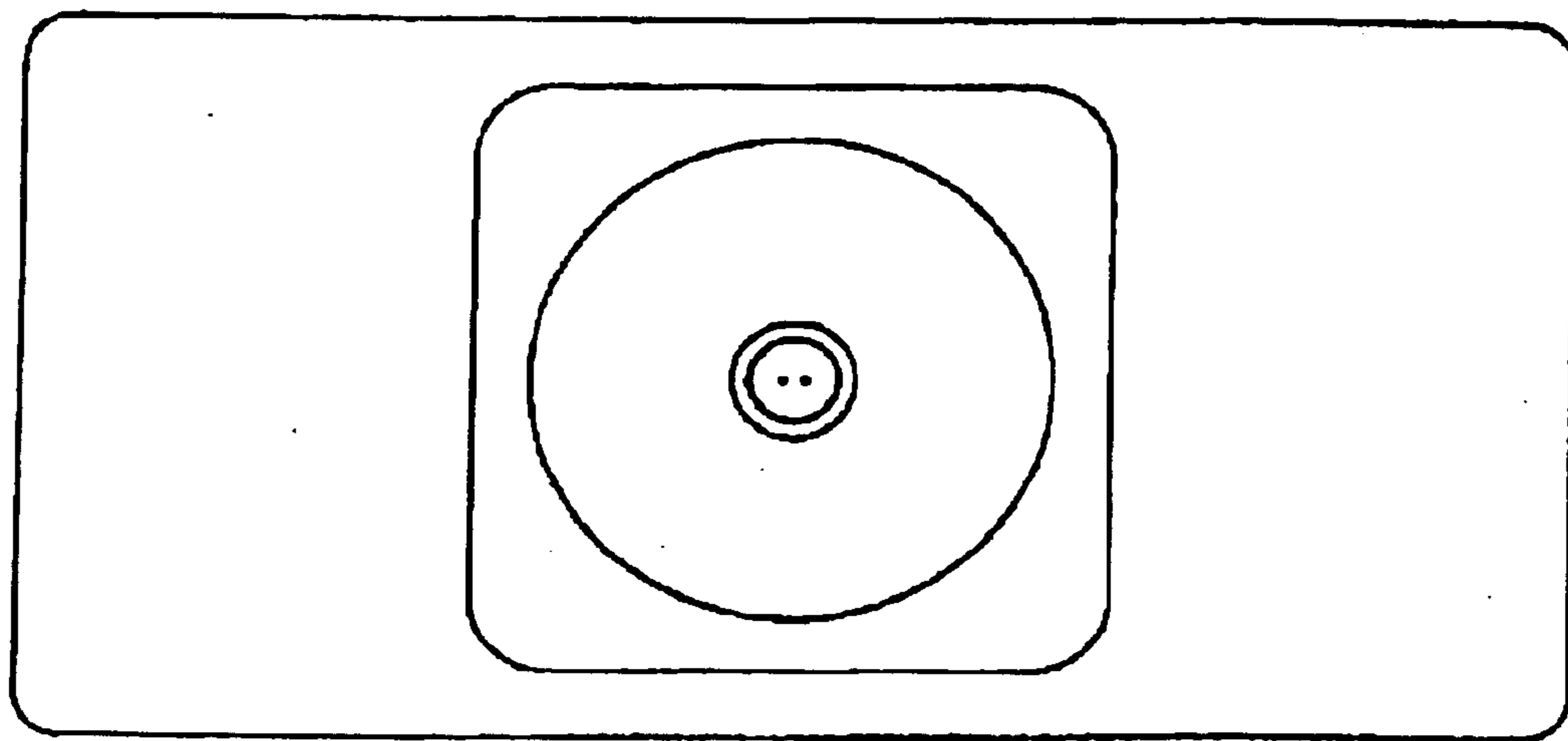


FIG. 17

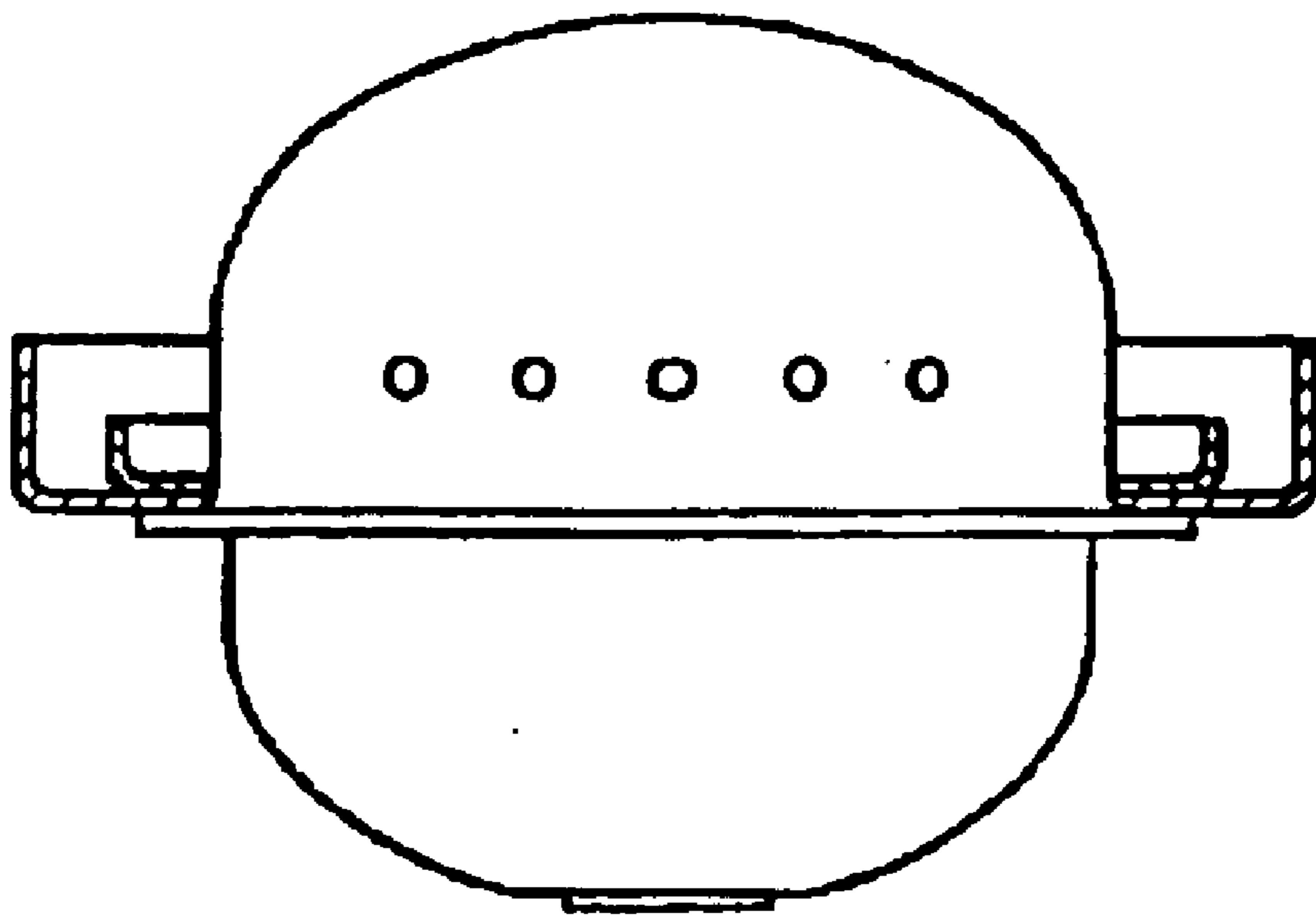


FIG. 18

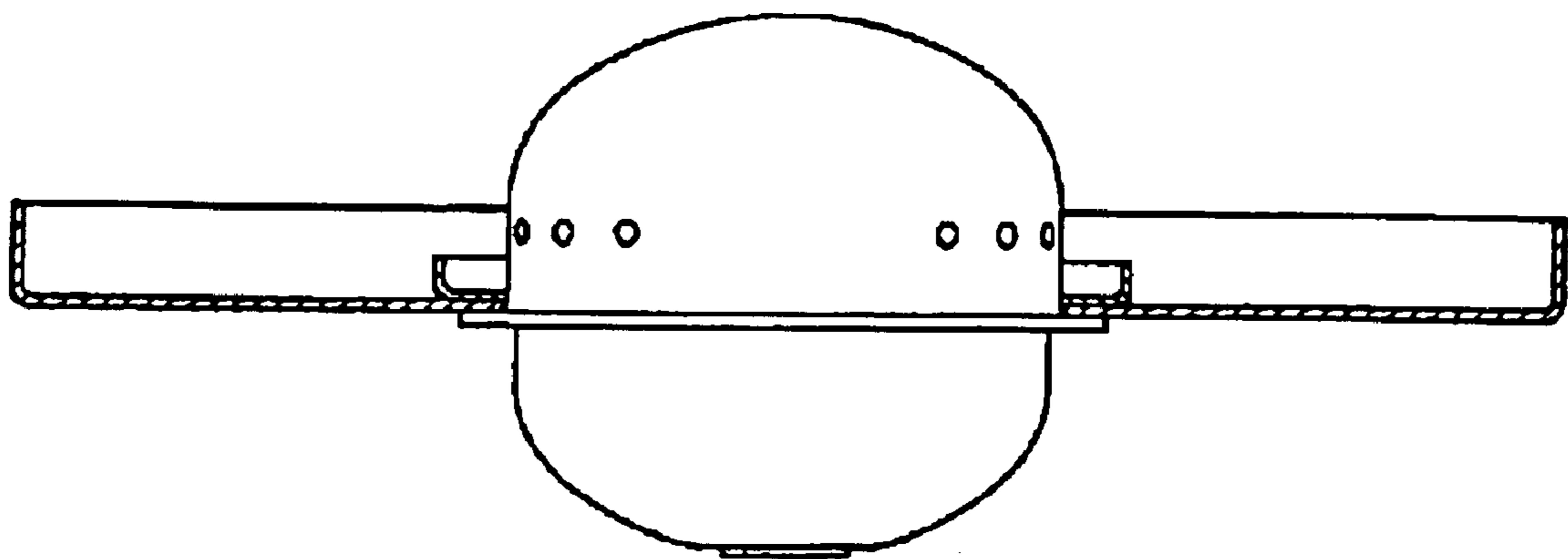


FIG. 19

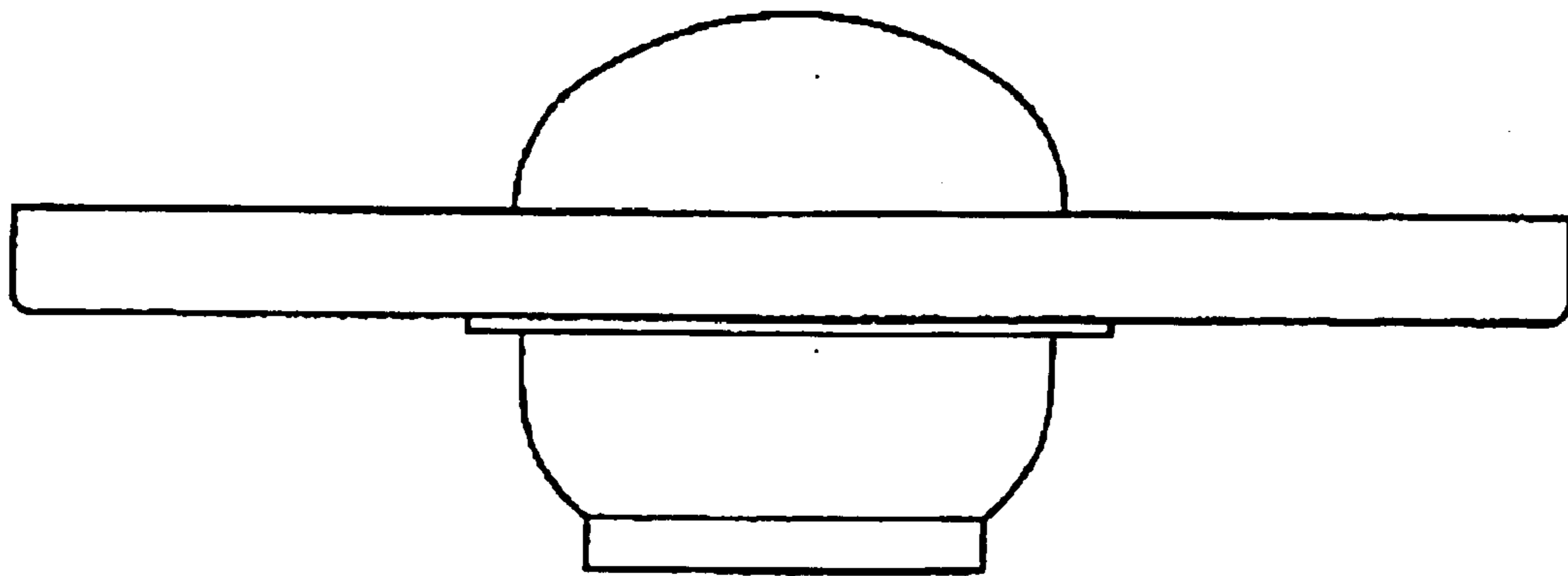


FIG. 20

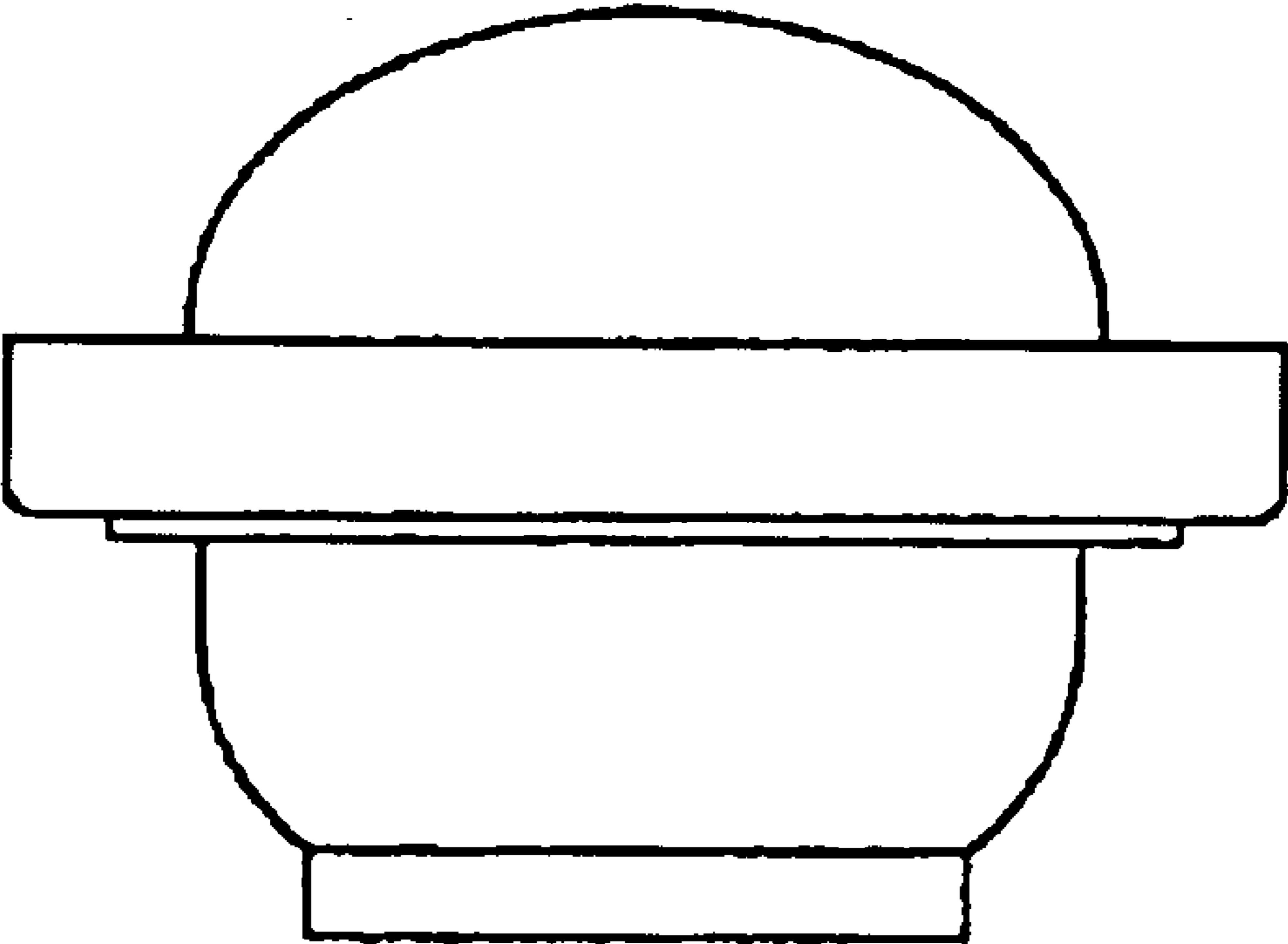


FIG. 21

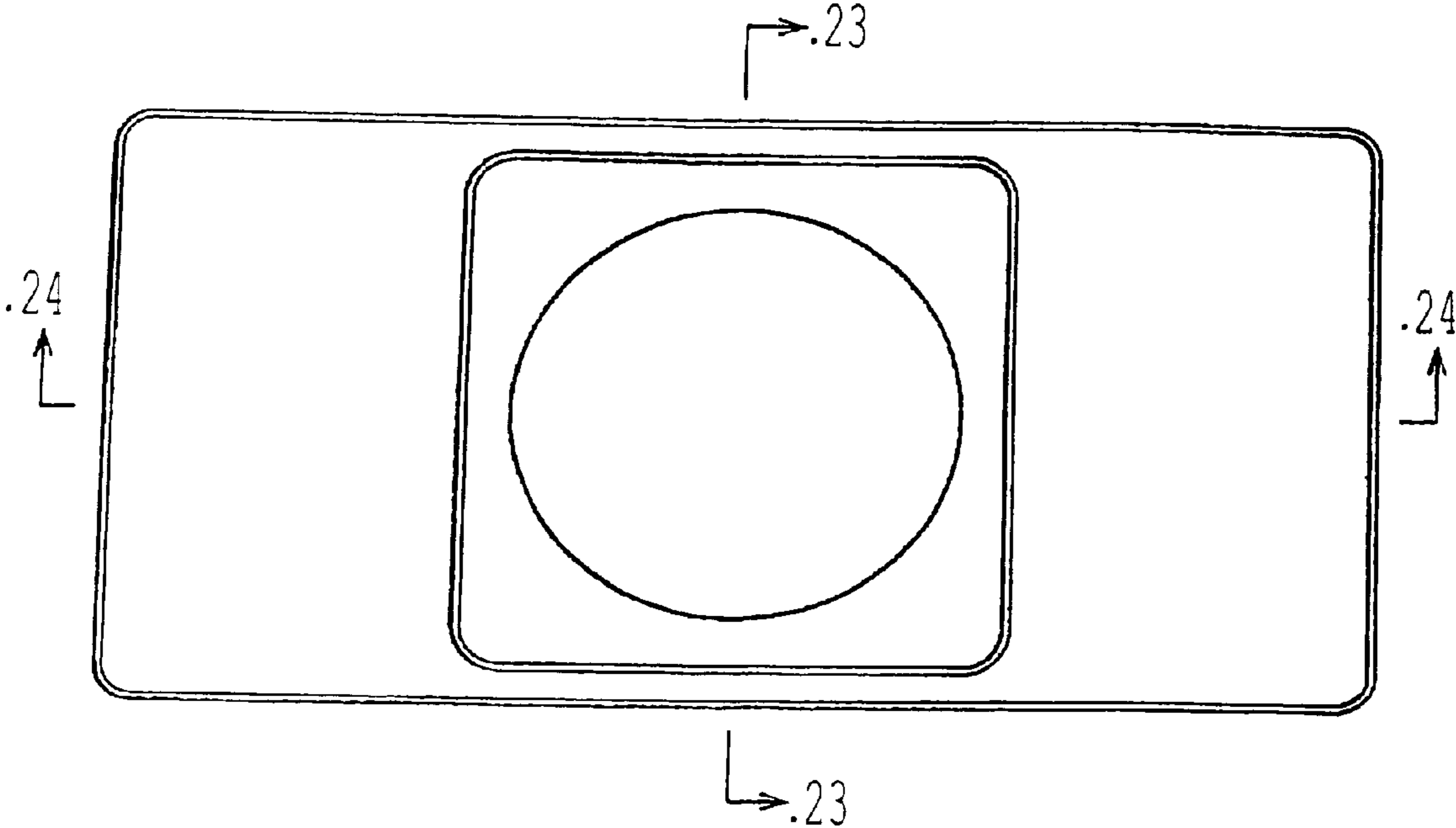


FIG.22

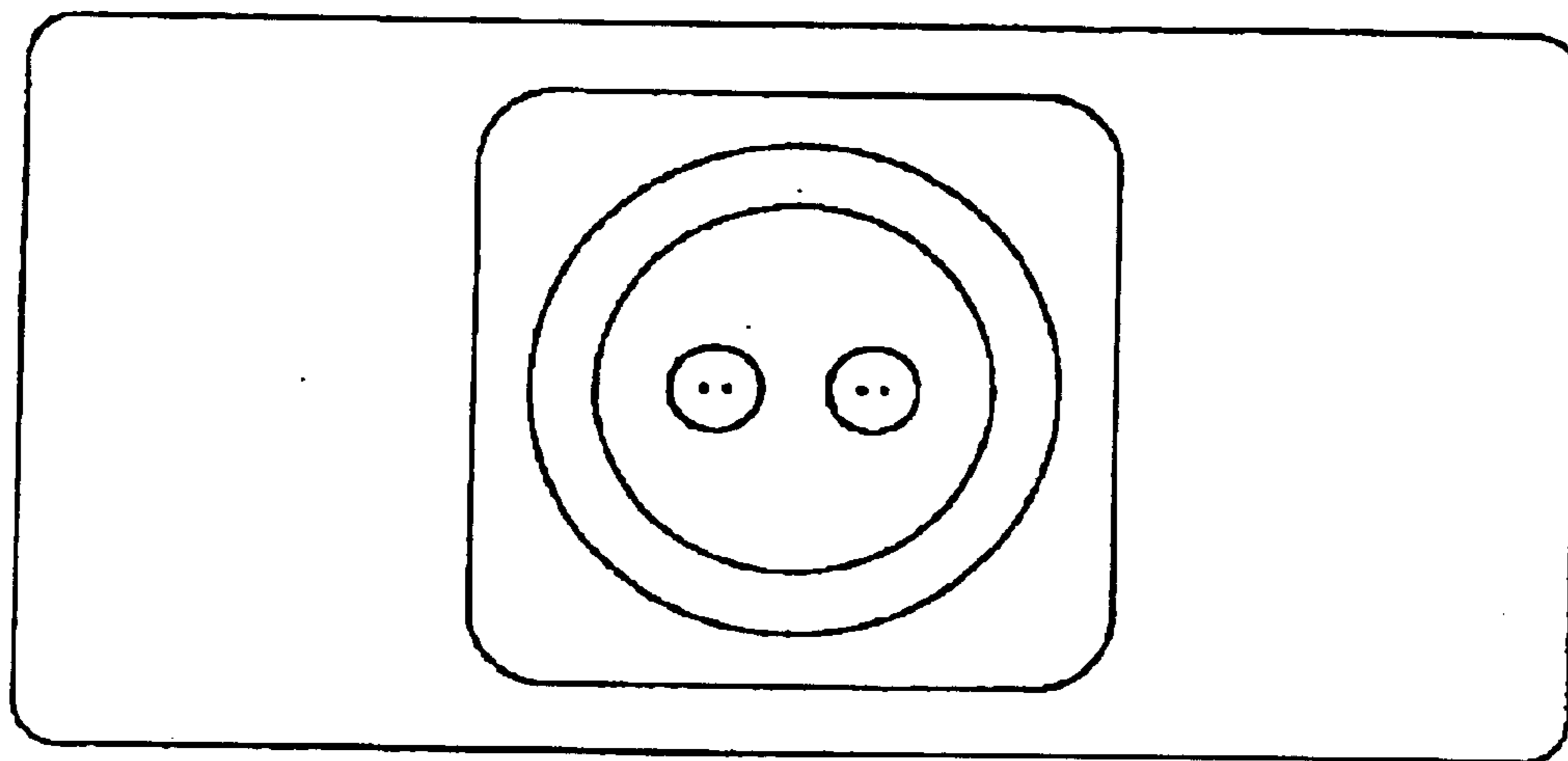


FIG. 23

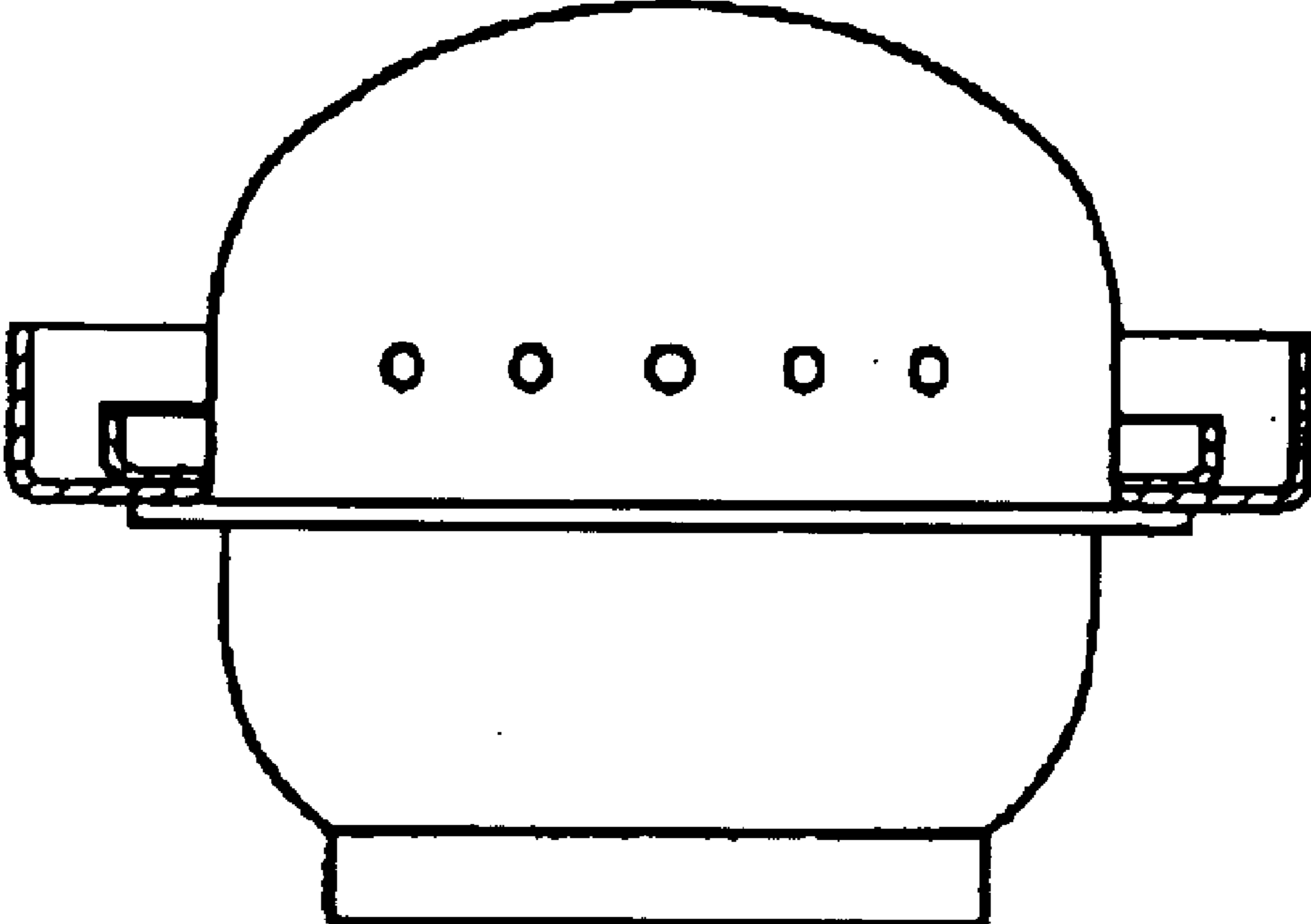


FIG.24

