



US00D589472S

(12) **United States Design Patent**
Li

(10) **Patent No.:** **US D589,472 S**
(45) **Date of Patent:** **** Mar. 31, 2009**

(54) **PROCESSING CHAMBER FOR
MANUFACTURING SEMICONDUCTORS**

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

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(30) **Foreign Application Priority Data**

Oct. 10, 2006 (JP) 2006-027245

(51) **LOC (9) Cl.** **13-03**

(52) **U.S. Cl.** **D13/182**

(58) **Field of Classification Search** D13/182;
D6/509, 577; D9/456; D14/214, 215, 219,
D14/471, 475, 483; D12/525, 538, 547,
D12/562, 570; D17/24; 118/715, 724, 725,
118/728, 729; 156/345.24, 345.51; 216/67;
219/390; 324/765

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D117,375 S * 10/1939 Knight D15/88
D210,925 S * 4/1968 Hawkinson D12/570
D228,882 S * 10/1973 Bish D9/456
4,340,462 A * 7/1982 Koch 204/298.35
4,538,301 A * 9/1985 Sawatzki et al. 2/467
D407,405 S * 3/1999 Chiu D14/214
D496,204 S * 9/2004 Tuzmen D6/577
6,852,168 B2 * 2/2005 Park 118/715
6,884,297 B2 * 4/2005 Park et al. 118/715
6,924,464 B2 * 8/2005 Zhou et al. 219/444.1

D533,328 S * 12/2006 Wake D34/38
7,147,719 B2 * 12/2006 Welch et al. 118/715
7,207,151 B2 * 4/2007 Swiszc et al. 52/793.11
2005/0133158 A1 * 6/2005 Nguyen et al. 156/345.31
2005/0229849 A1 * 10/2005 Silvetti et al. 118/715
2007/0205792 A1 * 9/2007 Mouli et al. 324/765
2008/0121620 A1 * 5/2008 Guo et al. 216/67

* cited by examiner

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Maier & Neustadt, P.C.

(57) **CLAIM**

The ornamental design for a processing chamber for manu-
facturing semiconductors or the like, as shown and described.

DESCRIPTION

FIG. 1 is a top and right front perspective view of a processing
chamber for manufacturing semiconductors or the like, show-
ing my new design;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a rear elevational view thereof;

FIG. 4 is a right side elevational view thereof, the left side
elevational view being a mirror image of the side view shown;

FIG. 5 is a top plan view thereof;

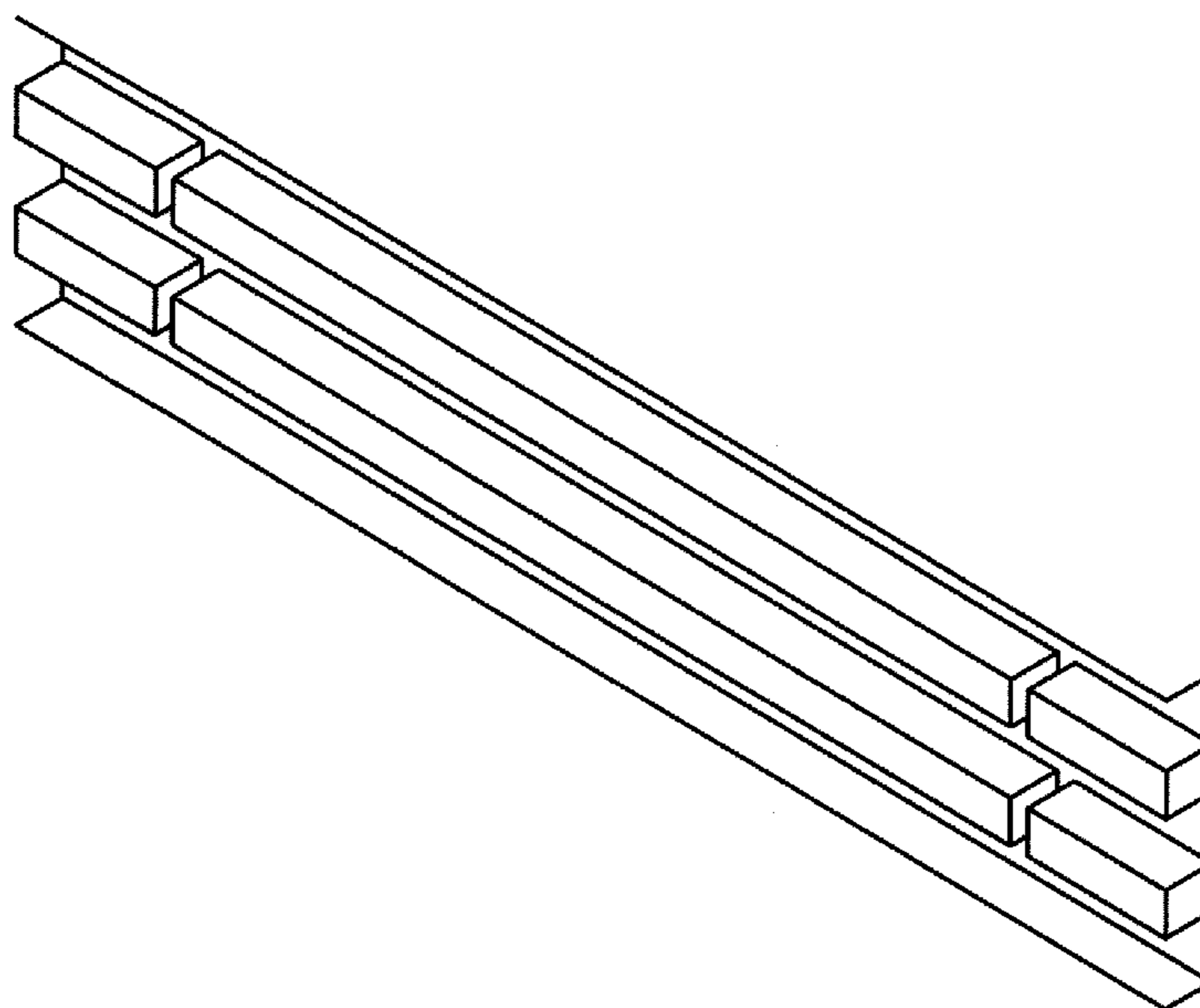
FIG. 6 is a bottom plan view thereof;

FIG. 7 is a cross-sectional view thereof taken in the direction
of the arrows on line 7—7 of FIG. 2; and,

FIG. 8 is a top and right front perspective view thereof in the
state of use.

The broken line showing in the figures is for illustrative
purposes only and forms no part of the claimed design.

1 Claim, 8 Drawing Sheets



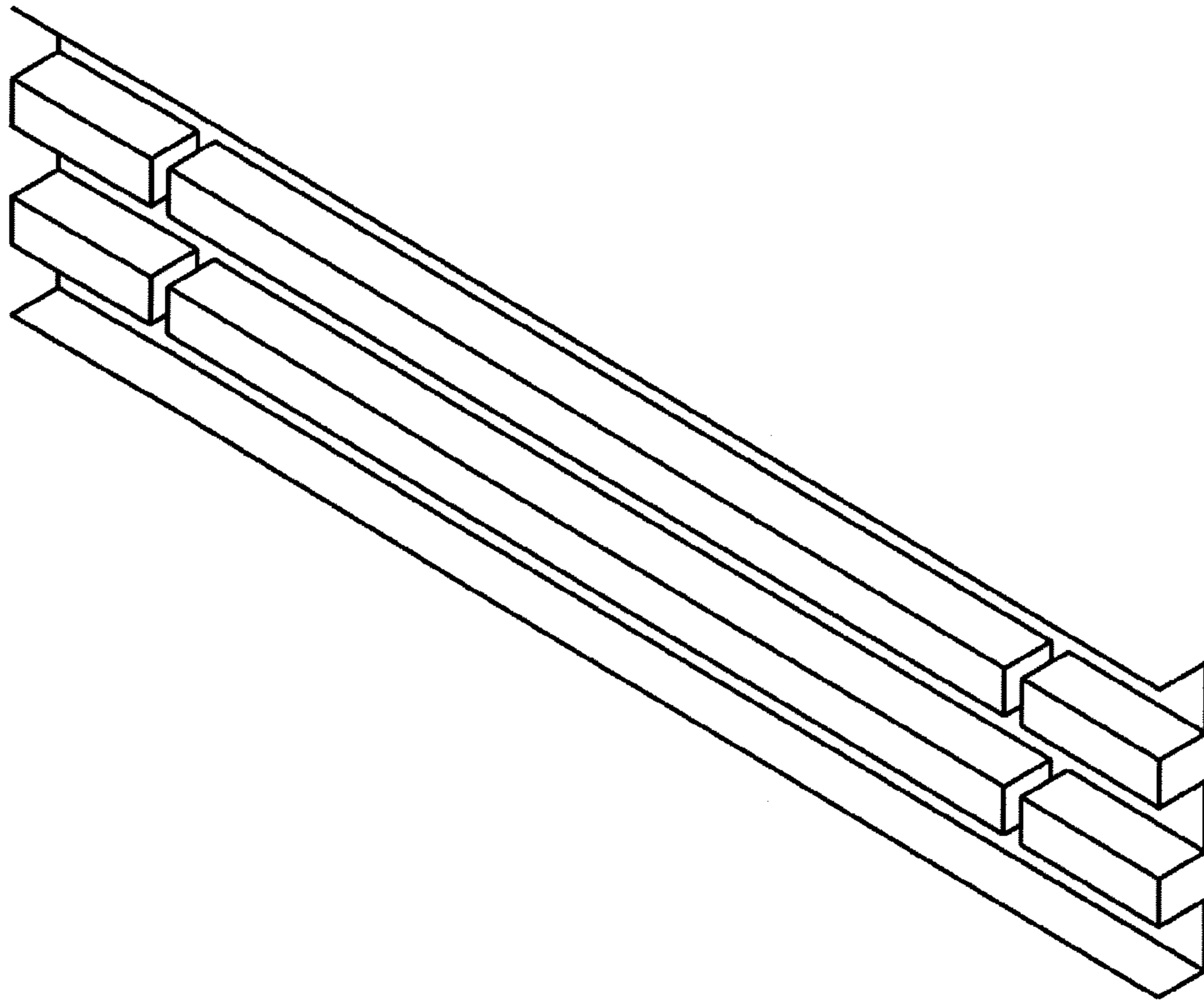


FIG. 1

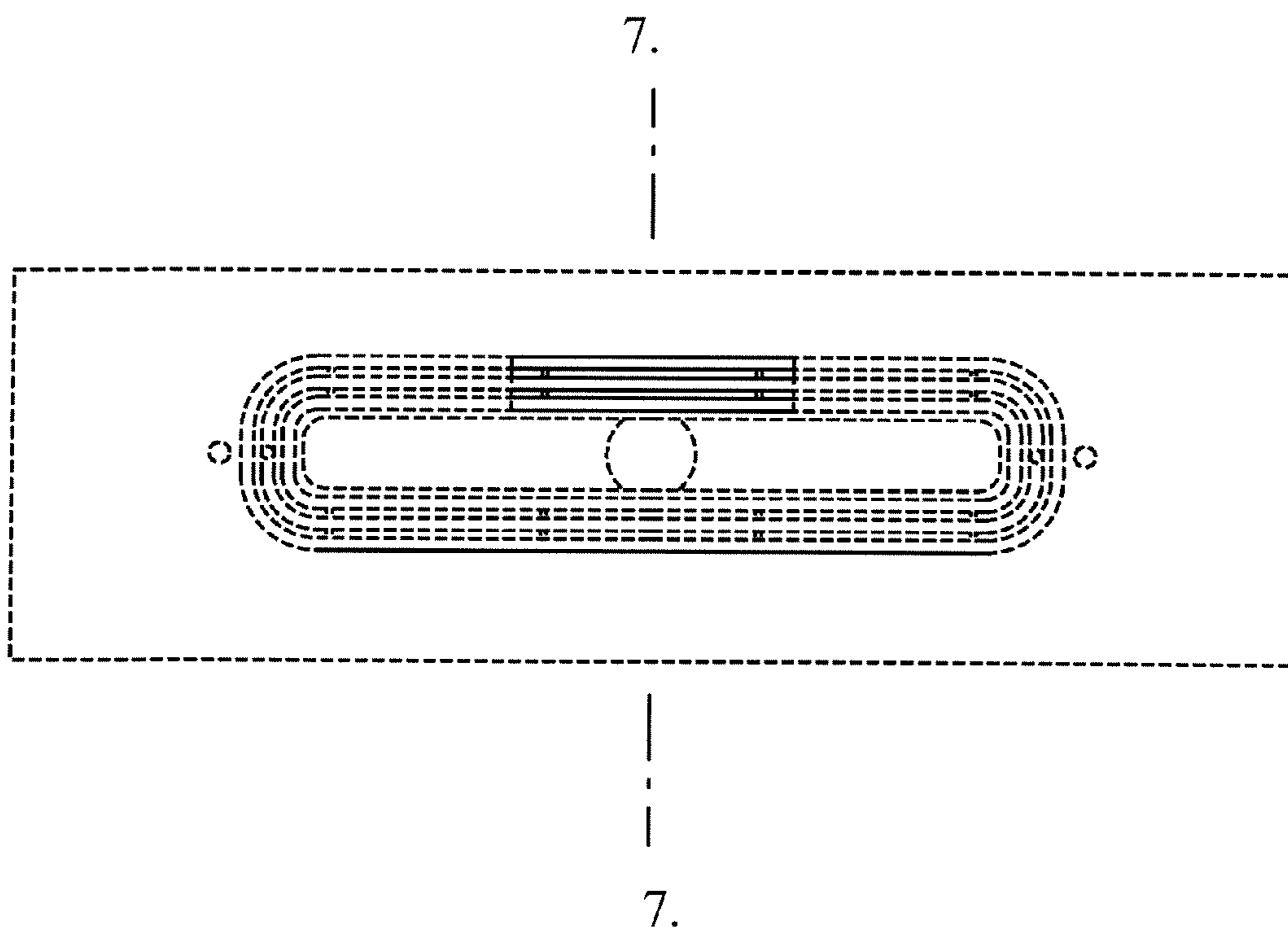


FIG. 2

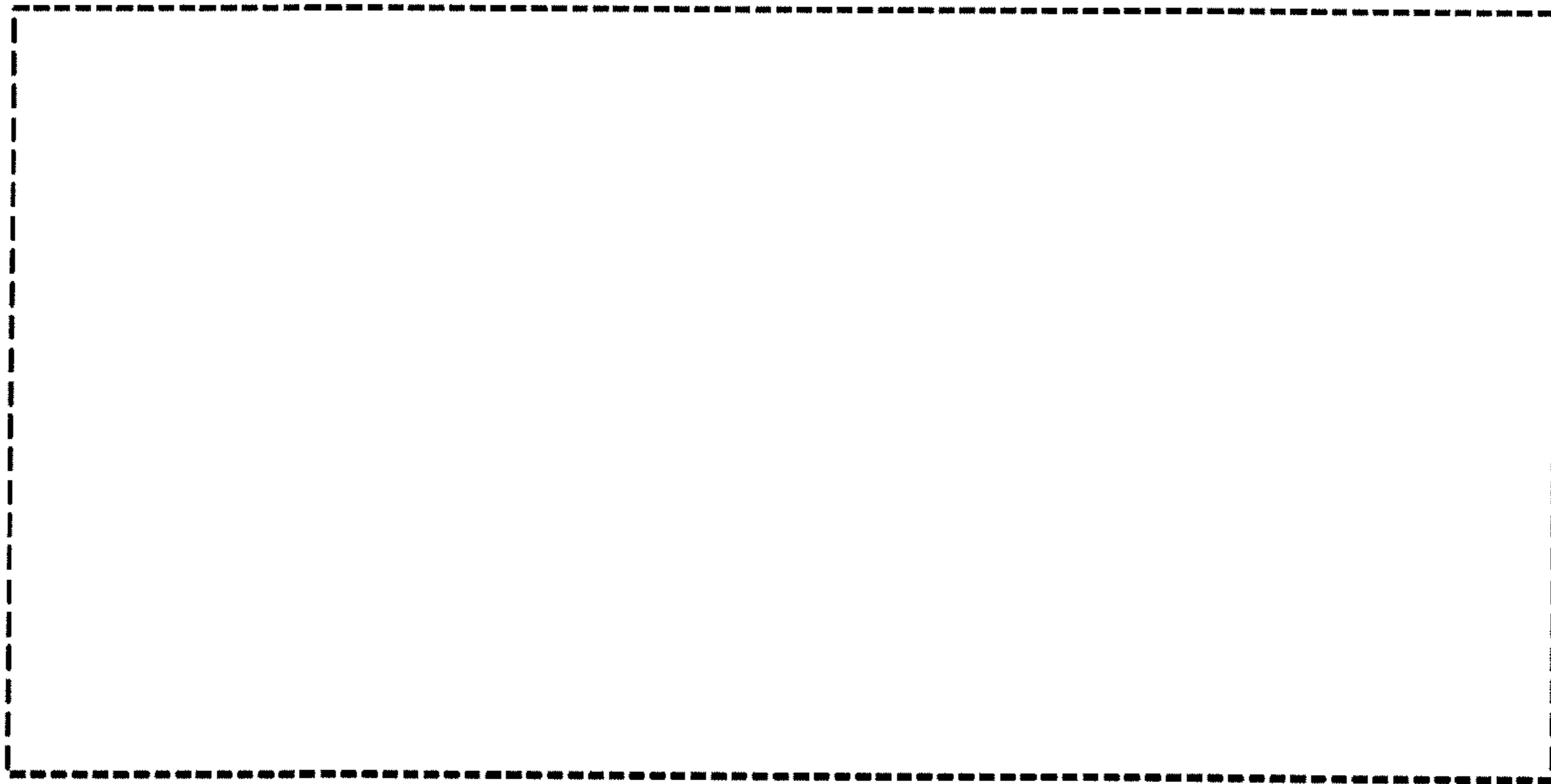


FIG. 3

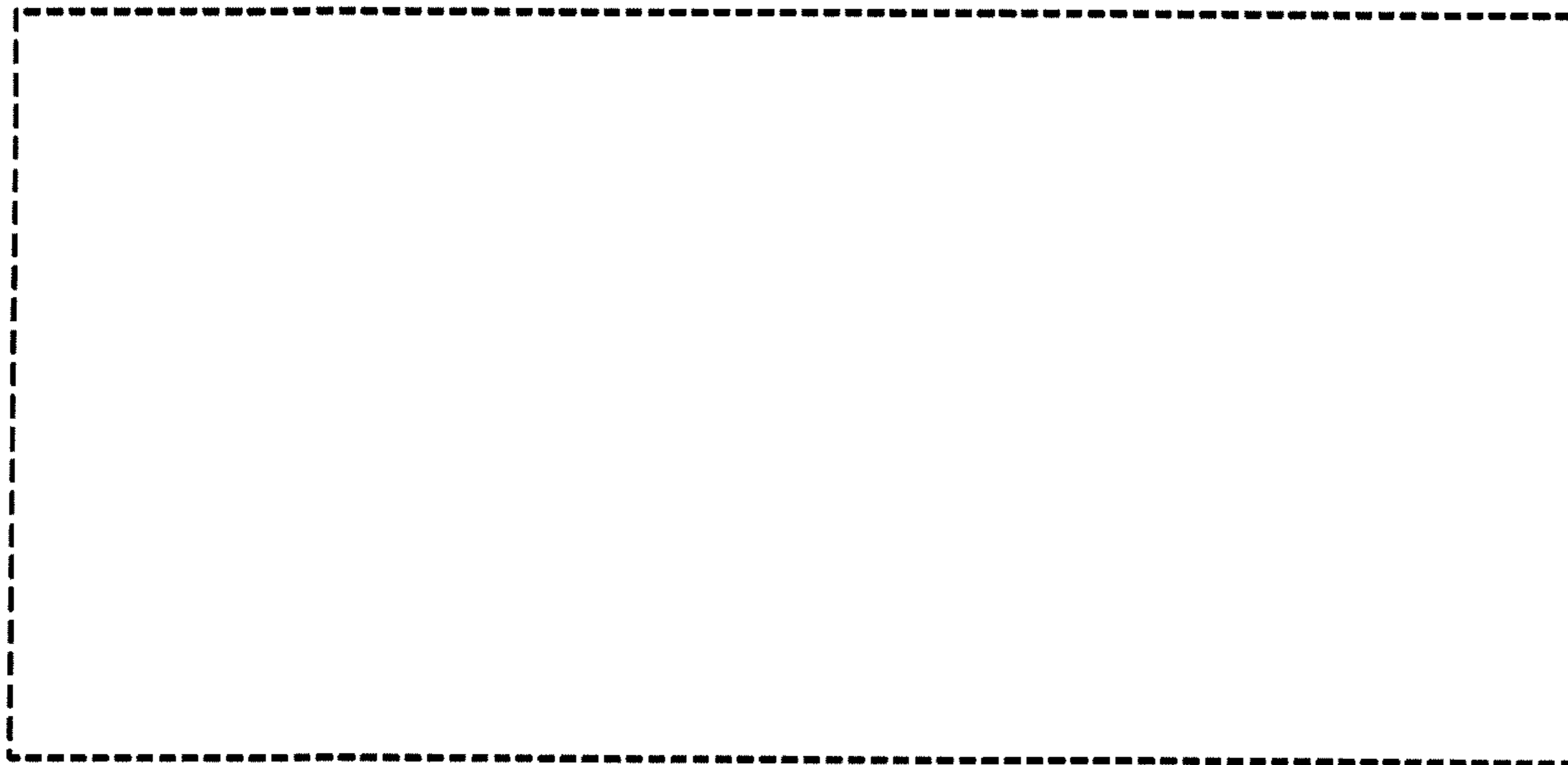


FIG. 4

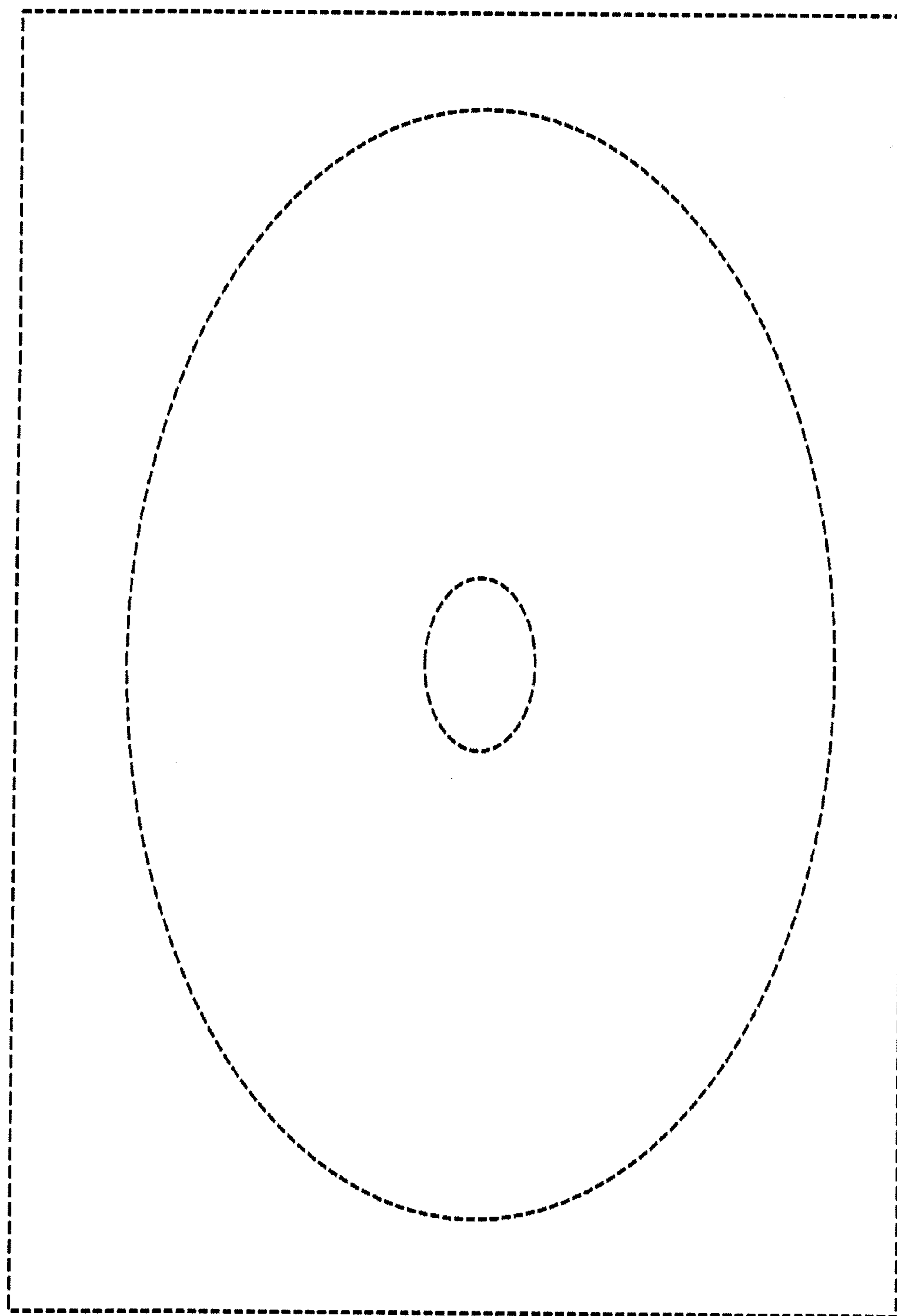


FIG. 5

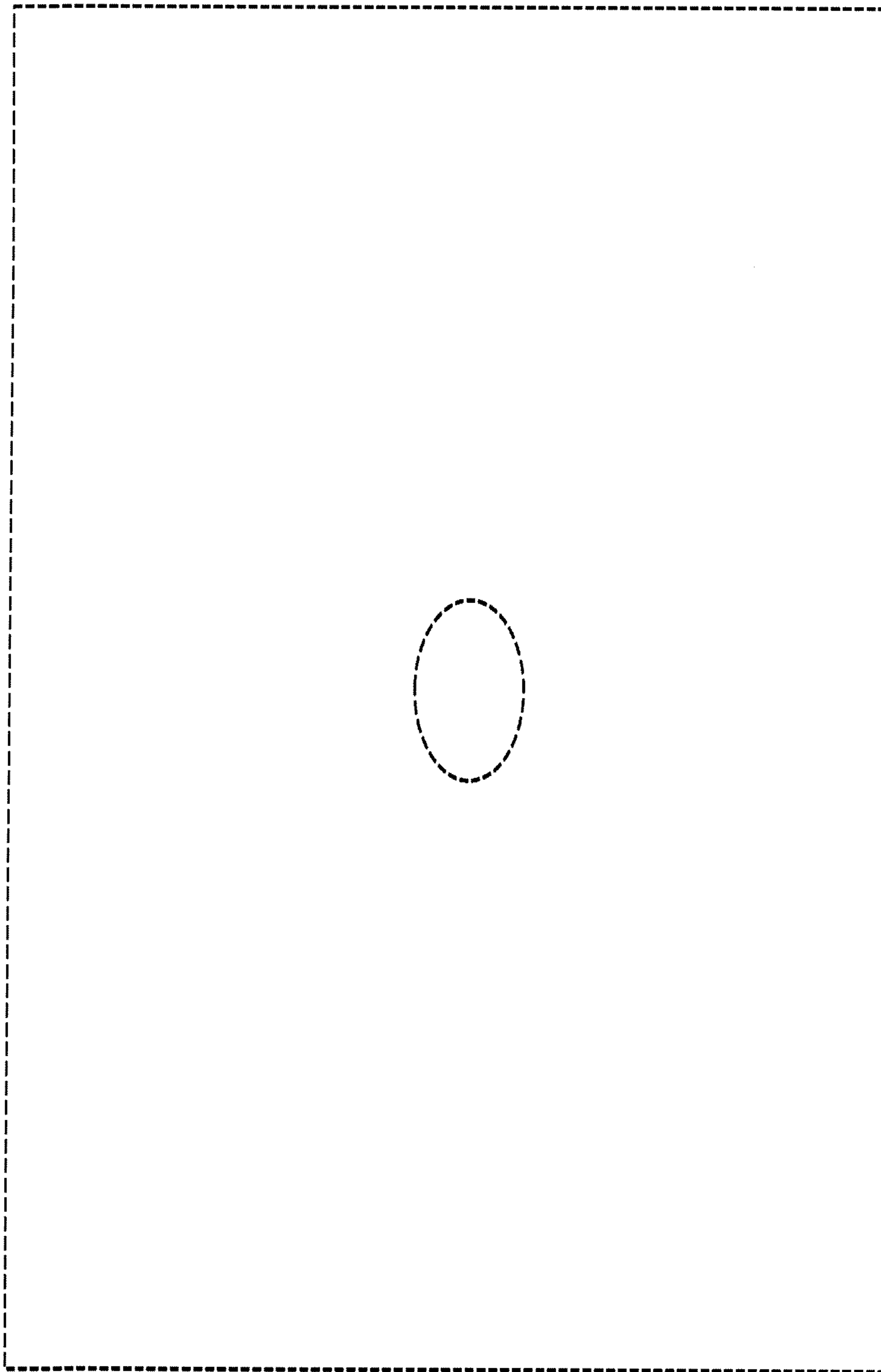


FIG. 6

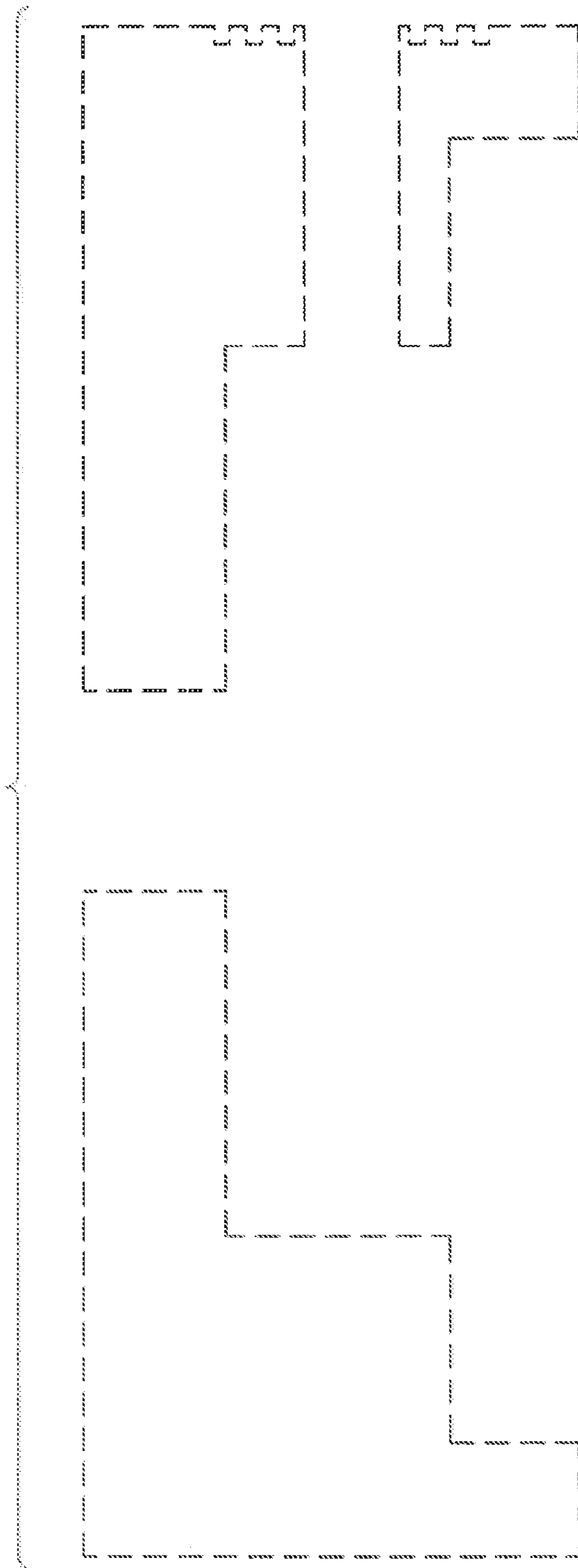


Fig. 7

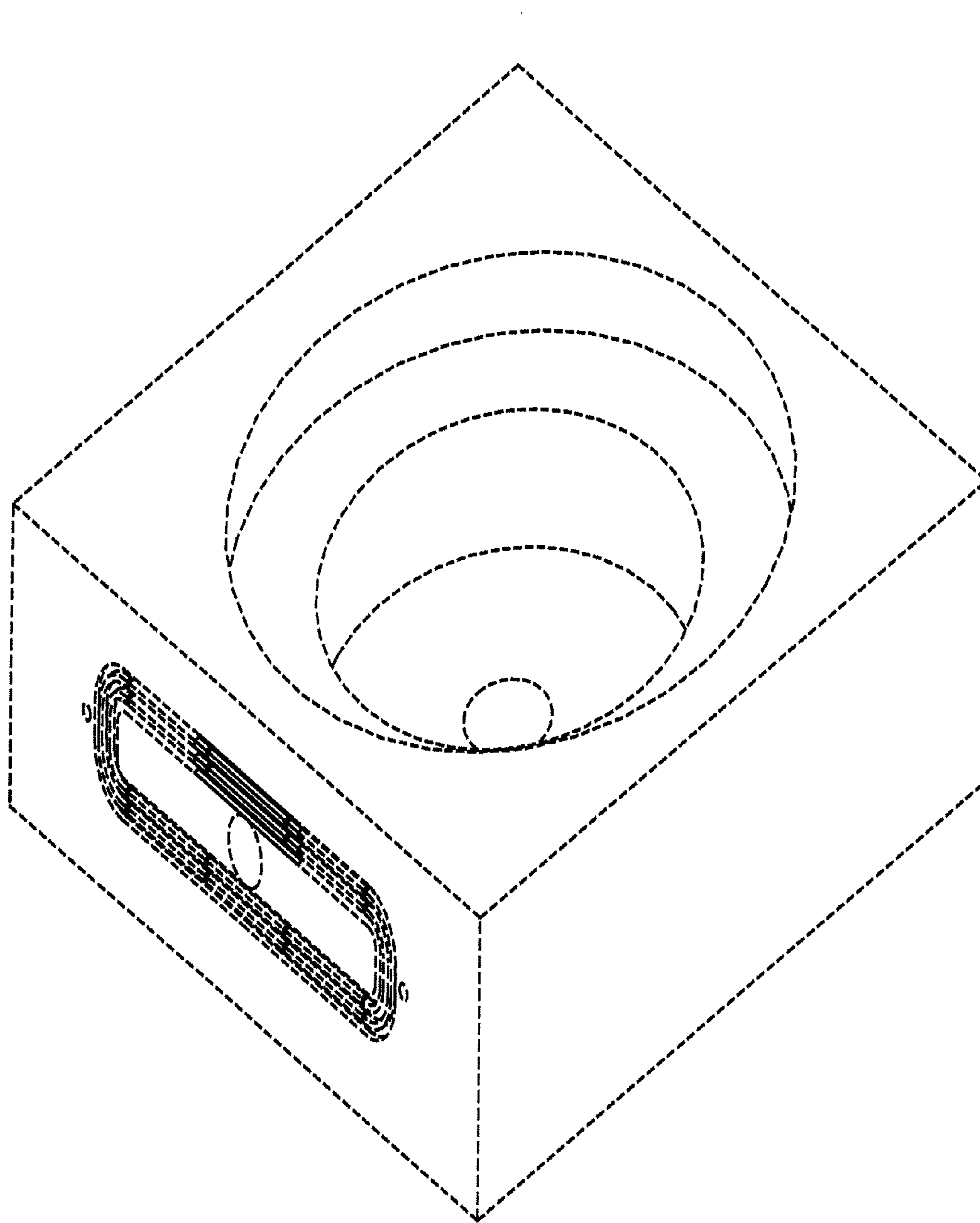


FIG. 8