



US00D742494S

(12) **United States Design Patent**
Kouketsu et al.

(10) **Patent No.:** **US D742,494 S**

(45) **Date of Patent:** **** *Nov. 3, 2015**

(54) **VAPORIZATION DEVICE FOR A
VAPORIZATION UNIT OF A LIQUID
CONTROL APPARATUS**

(71) Applicant: **CKD CORPORATION**, Aichi (JP)

(72) Inventors: **Masayuki Kouketsu**, Tokyo (JP);
Hiroshi Itafuji, Komaki (JP); **Masayo
Okada**, Kasugai (JP)

(73) Assignee: **CKD Corporation**, Aichi (JP)

(*) Notice: This patent is subject to a terminal disclaimer.

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

(21) Appl. No.: **29/441,795**

(22) Filed: **Jan. 9, 2013**

(30) **Foreign Application Priority Data**

Jul. 12, 2012 (JP) 2012-016610

(51) **LOC (10) Cl.** **28-04**

(52) **U.S. Cl.**
USPC **D23/360**

(58) **Field of Classification Search**

USPC D23/355, 359, 360, 364, 365, 386, 392,
D23/393, 401; D6/663, 667, 675; D5/1-3
CPC A47C 1/02; A47C 7/24; A47C 17/00;
A47C 17/02; A47C 17/04; A47C 17/045;
A47C 17/12; A47C 17/132; A47C 17/136

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D402,356 S * 12/1998 Hodge D23/365
6,033,453 A * 3/2000 Weddell, III 55/493

(Continued)

Primary Examiner — Sandra Snapp

(74) *Attorney, Agent, or Firm* — Patterson Thuent Pedersen, P.A.

(57) **CLAIM**

The ornamental design for a vaporization device for a vaporization unit of a liquid control apparatus, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a vaporization device for a vaporization unit of a liquid control apparatus showing our new design;

FIG. 2 is a front view thereof;

FIG. 3 is a rear view thereof;

FIG. 4 is a top plan view thereof;

FIG. 5 is a cross-sectional view taken along line 5-5 in FIG. 2;

FIG. 6 is an enlarged view of the portion indicated by line 6-6 in FIG. 2;

FIG. 7 is an enlarged view of the portion indicated by line 7-7 in FIG. 2;

FIG. 8 is an enlarged view of the portion indicated by line 8-8 in FIG. 3;

FIG. 9 is an enlarged view of the portion indicated by line 9-9 in FIG. 3;

FIG. 10 is an enlarged view of the portion indicated by line 10-10 in FIG. 6;

FIG. 11 is an enlarged view of the portion indicated by line 11-11 in FIG. 6;

FIG. 12 is an enlarged view of the portion indicated by line 12-12 in FIG. 7;

FIG. 13 is an enlarged view of the portion indicated by line 13-13 in FIG. 7;

FIG. 14 is an enlarged view of the portion indicated by line 14-14 in FIG. 8;

FIG. 15 is an enlarged view of the portion indicated by line 15-15 in FIG. 8;

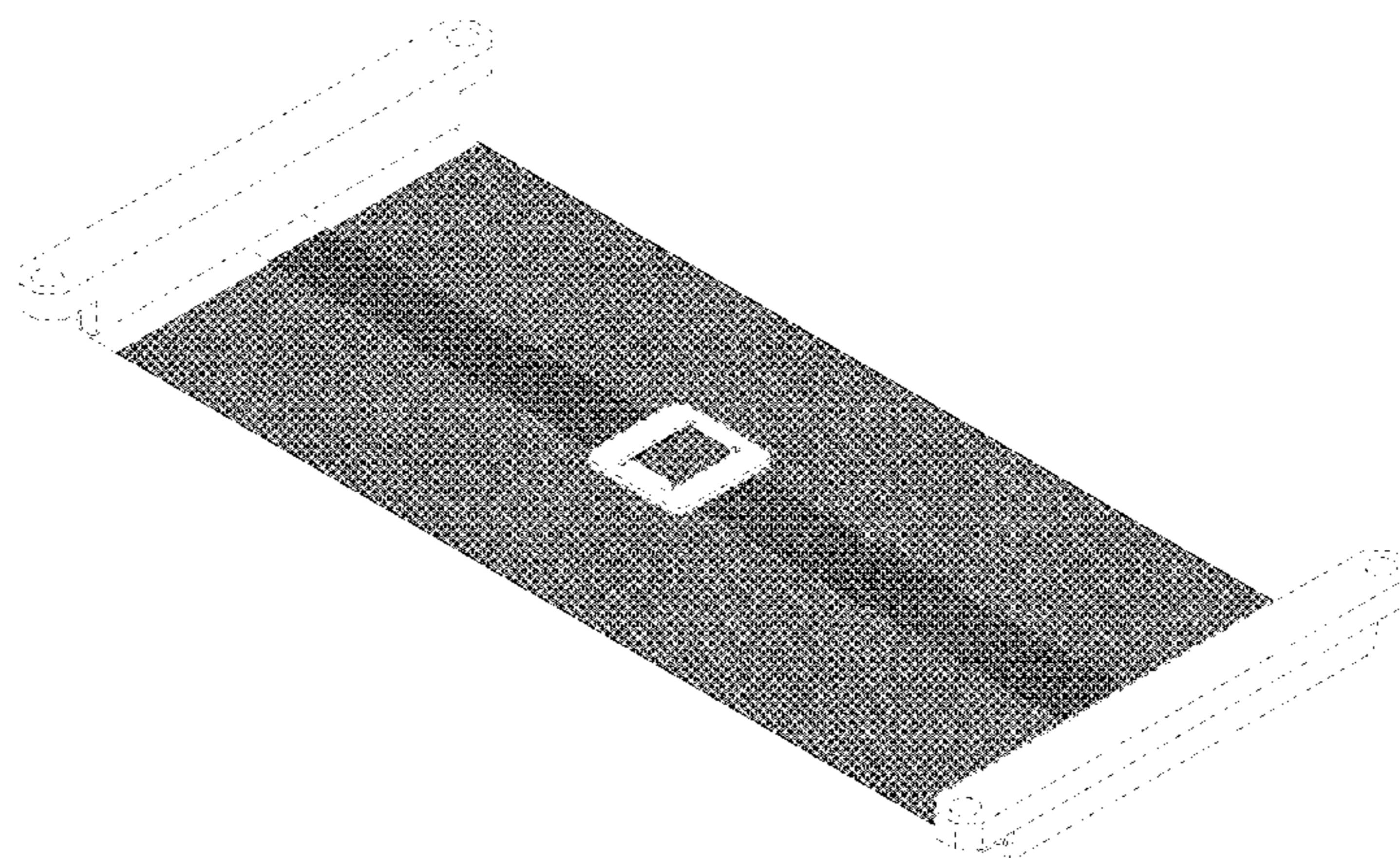
FIG. 16 is an enlarged view of the portion indicated by line 16-16 in FIG. 9;

FIG. 17 is an enlarged view of the portion indicated by line 17-17 in FIG. 9; and,

FIG. 18 is a referential view depicting the article with surrounding environmental structure.

The features shown in broken lines in the drawings depict environmental subject matter only and form no part of the claimed design.

1 Claim, 18 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

6,328,778 B1 * 12/2001 Richerson et al. 55/475
6,740,137 B2 * 5/2004 Kubokawa et al. 55/521
7,169,202 B2 * 1/2007 Kubokawa 55/495
D616,960 S * 6/2010 Konkey D23/209

D675,178 S * 1/2013 Kim D14/138 G
D676,120 S * 2/2013 Komori et al. D23/365
D676,121 S * 2/2013 Komori et al. D23/365
D679,792 S * 4/2013 Hollingsworth D23/365
D705,411 S * 5/2014 Enstrom et al. D23/365
D708,729 S * 7/2014 Platt D23/365
2008/0276805 A1 * 11/2008 Lotgerink-Bruinenberg 96/75

* cited by examiner

FIG. 1

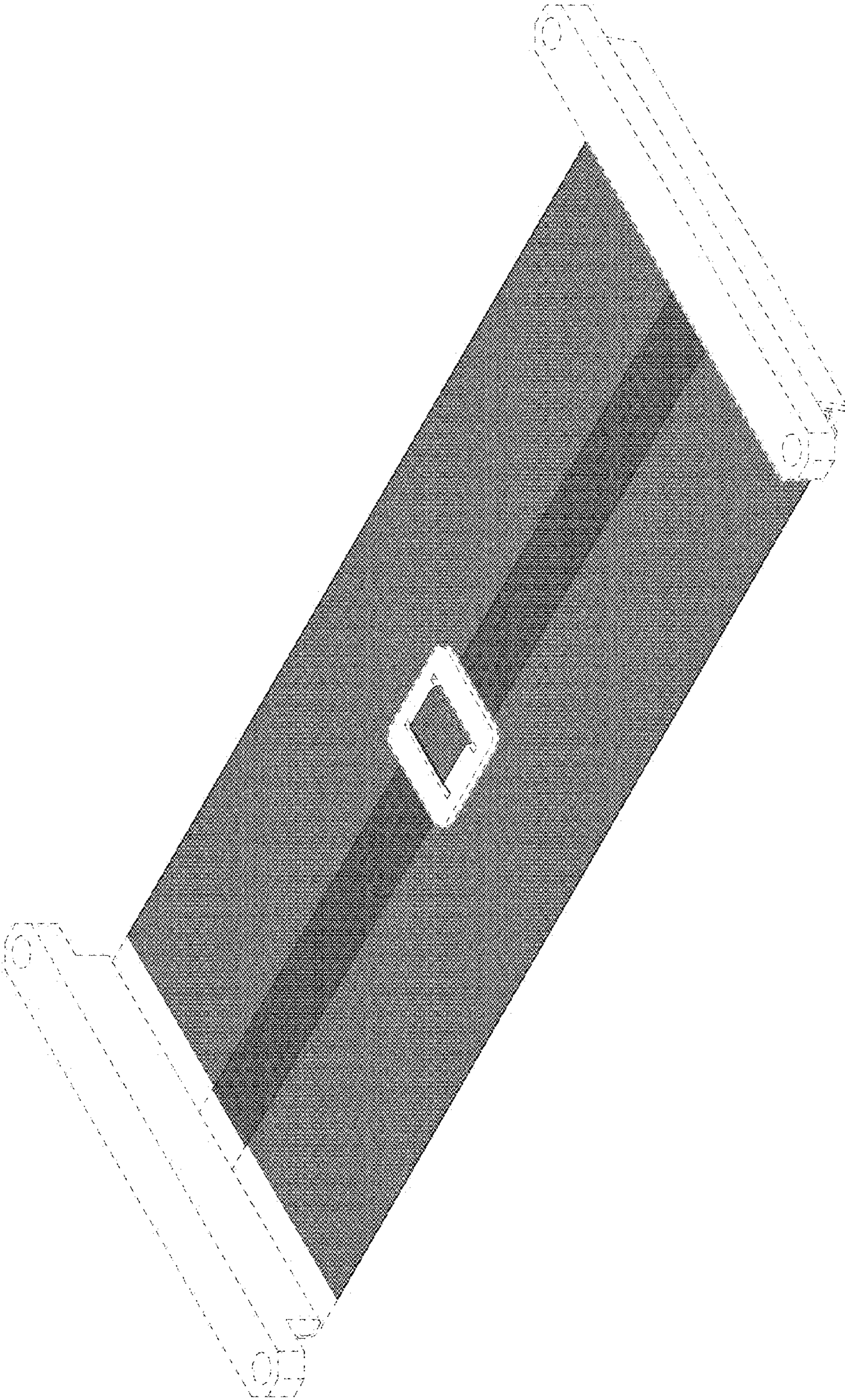


FIG. 2

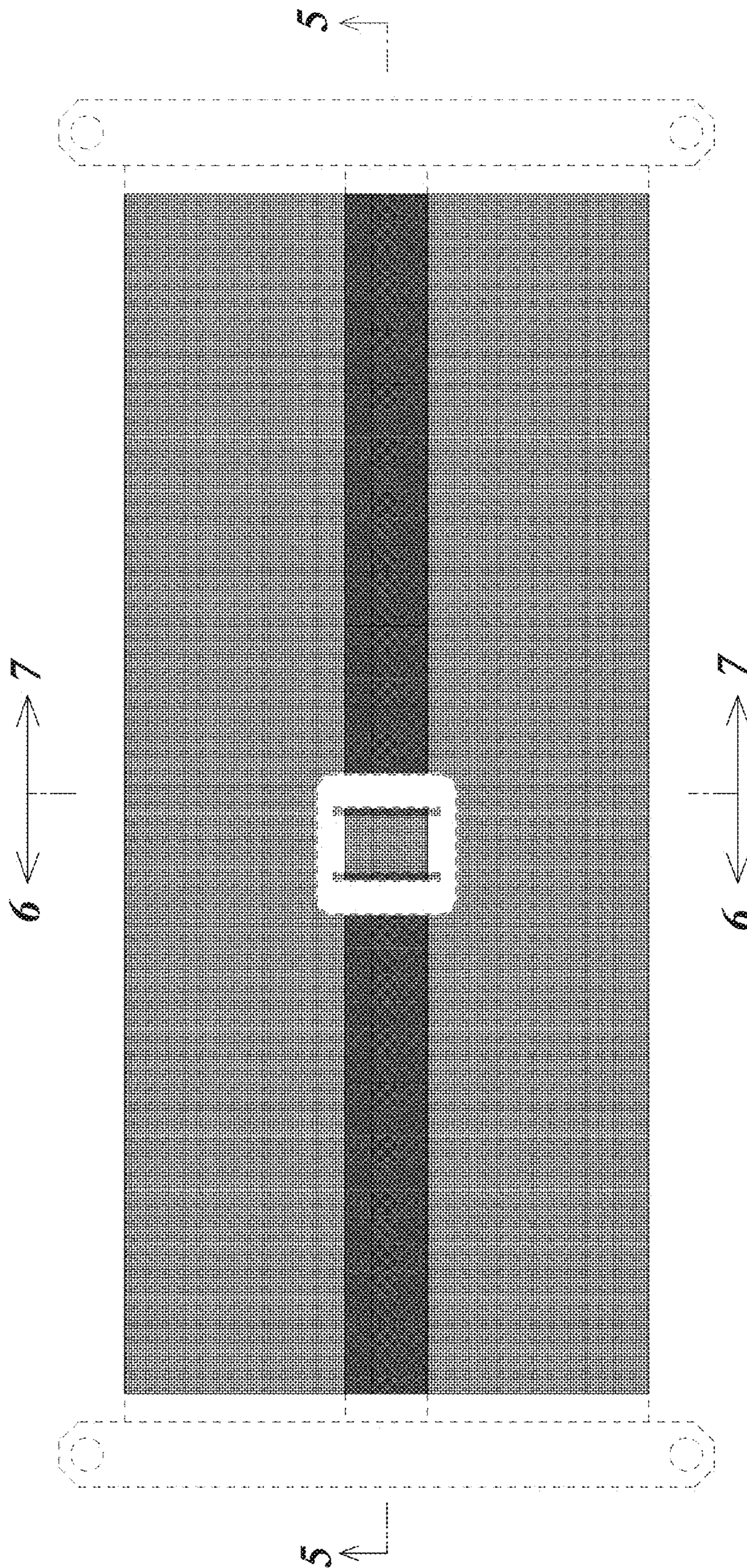


FIG. 3

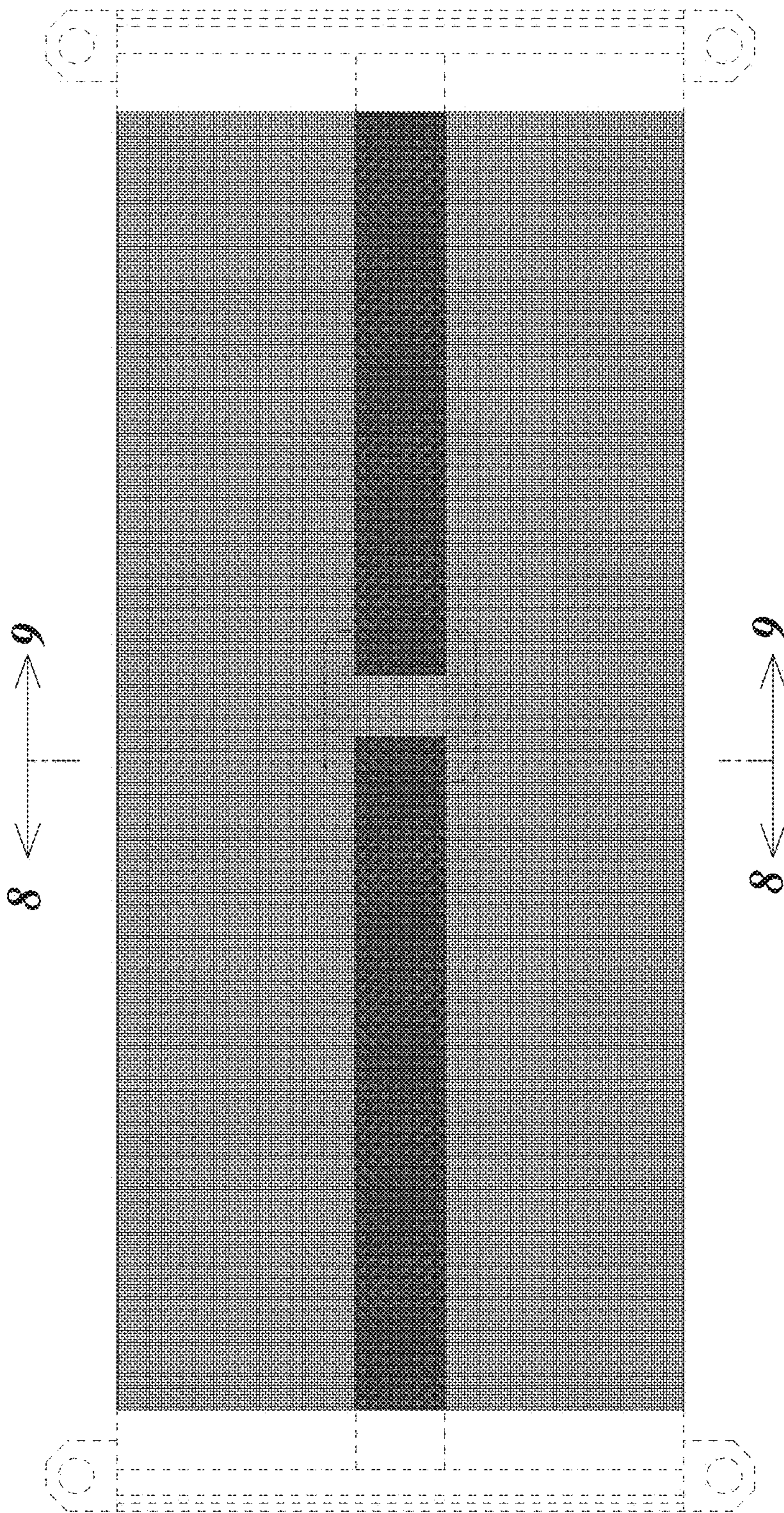


FIG. 4

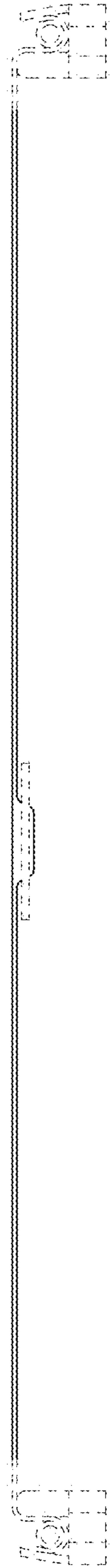


FIG. 5

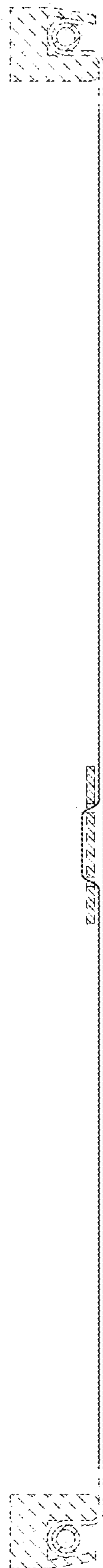


FIG. 6

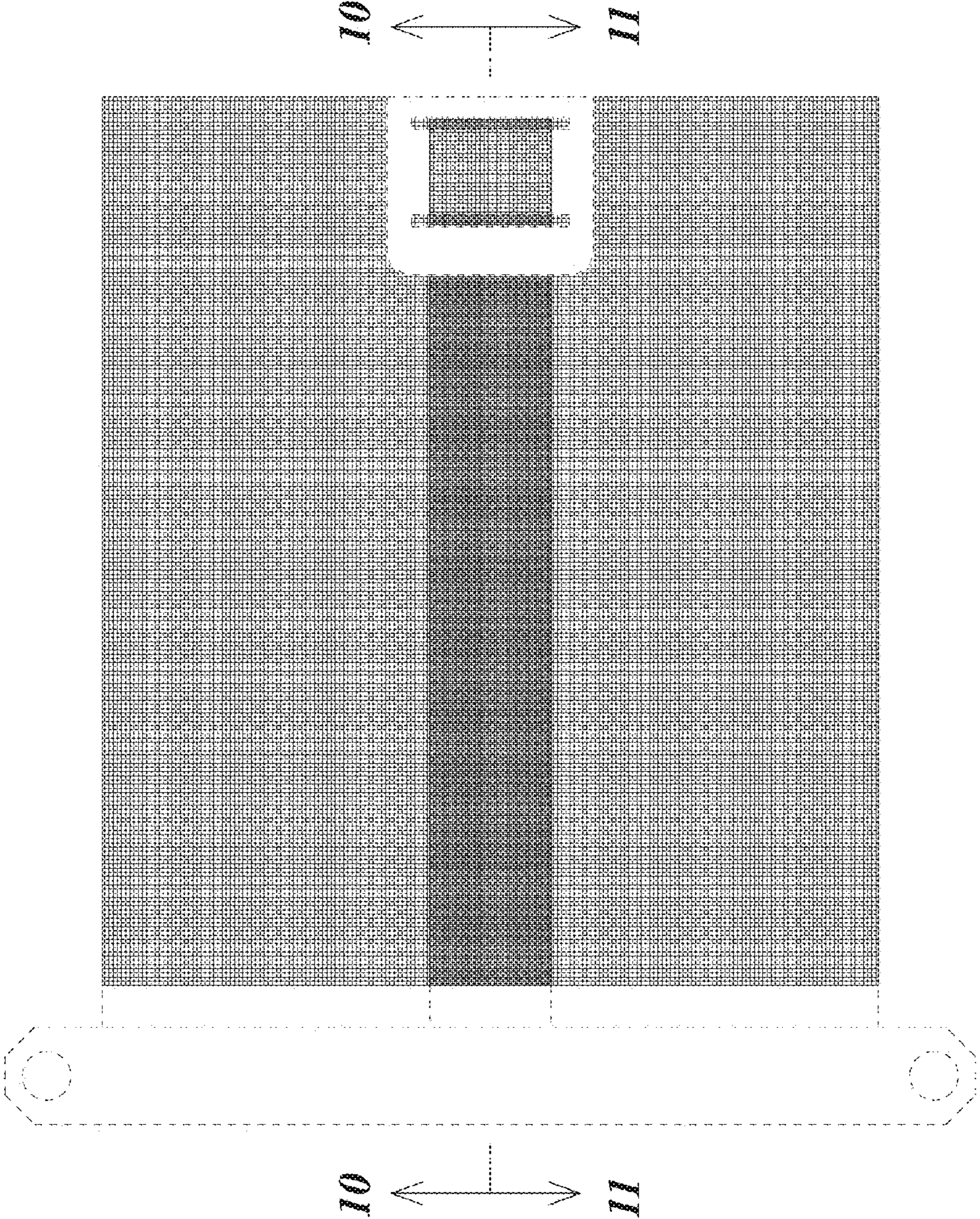


FIG. 7

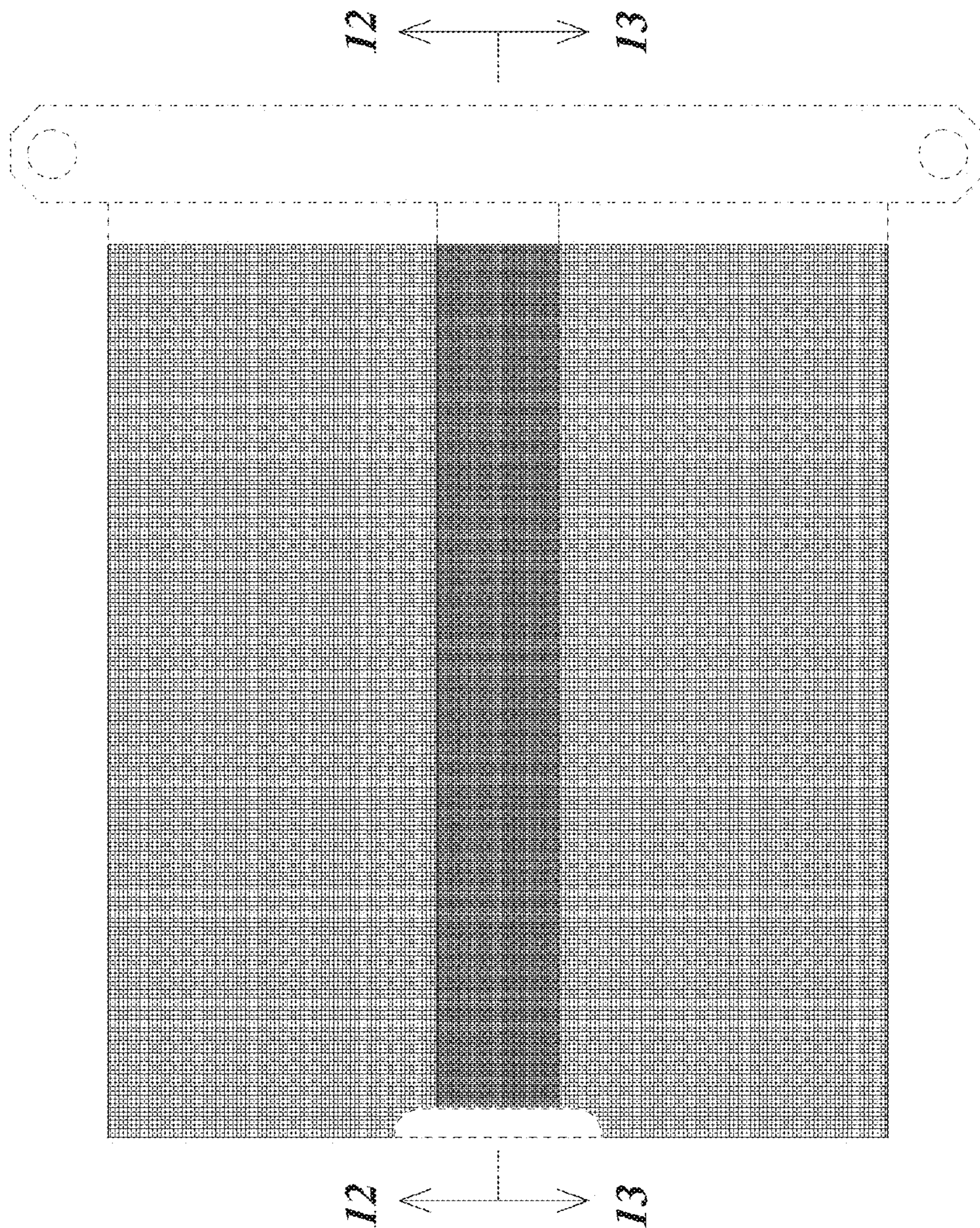


FIG. 8

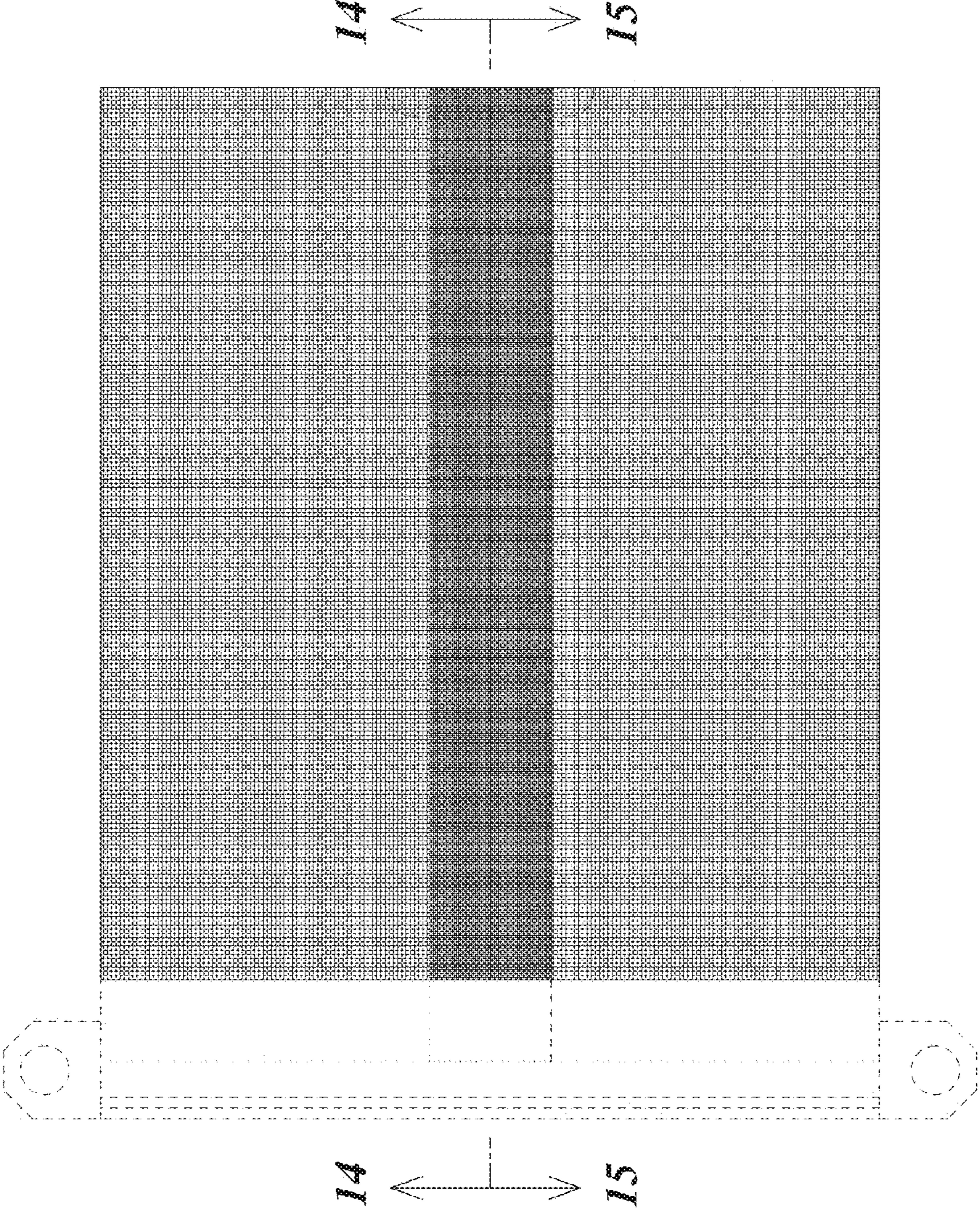


FIG. 9

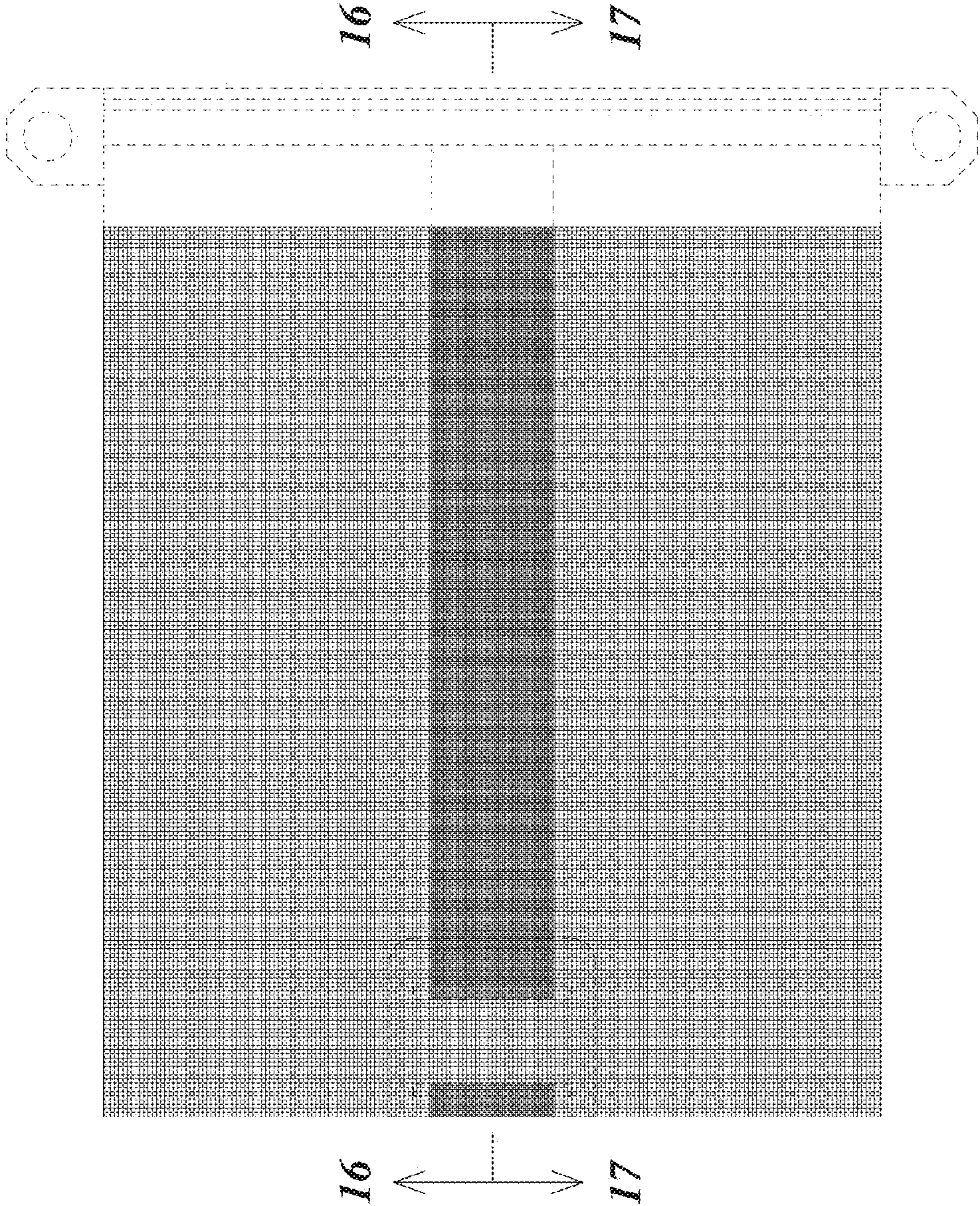


FIG. 10

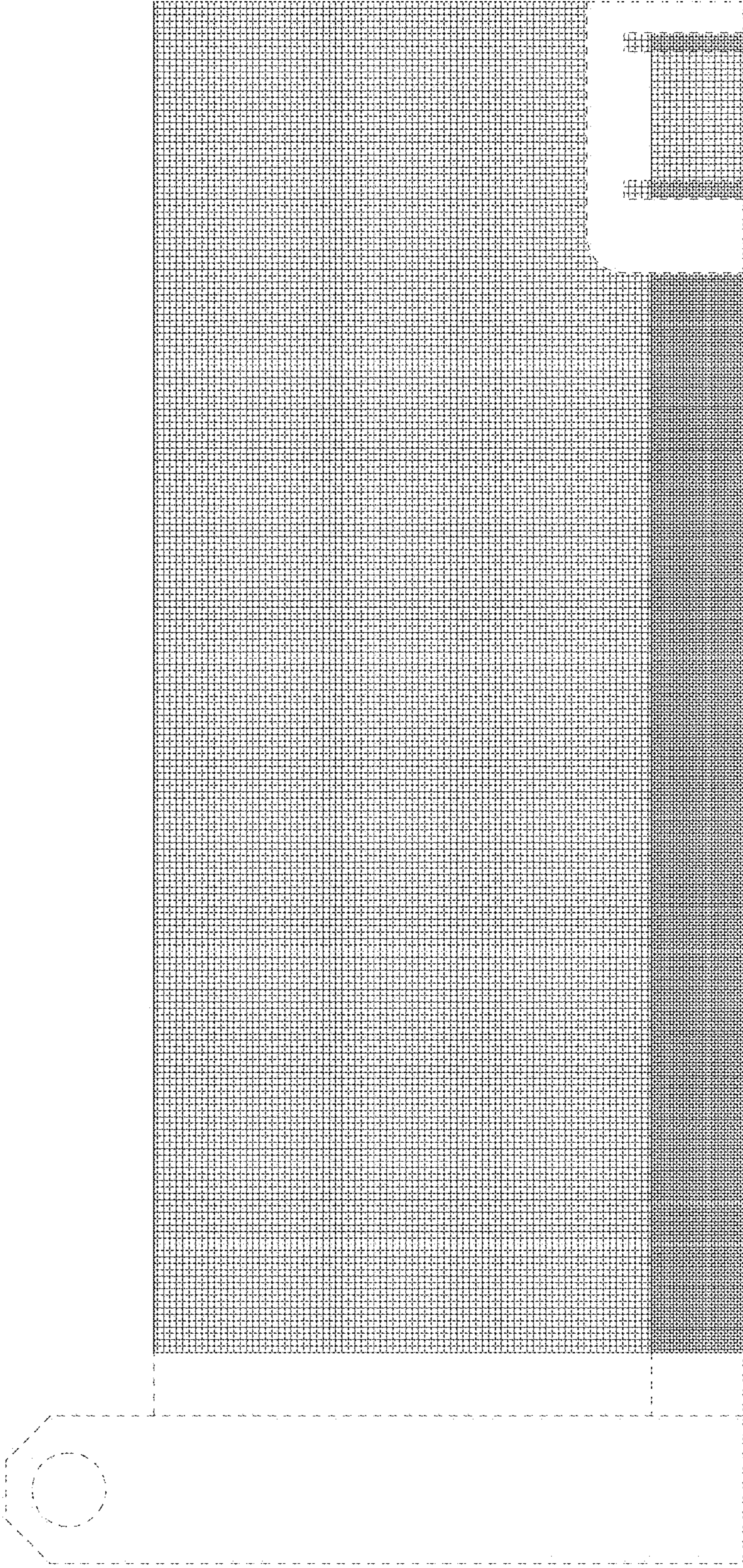
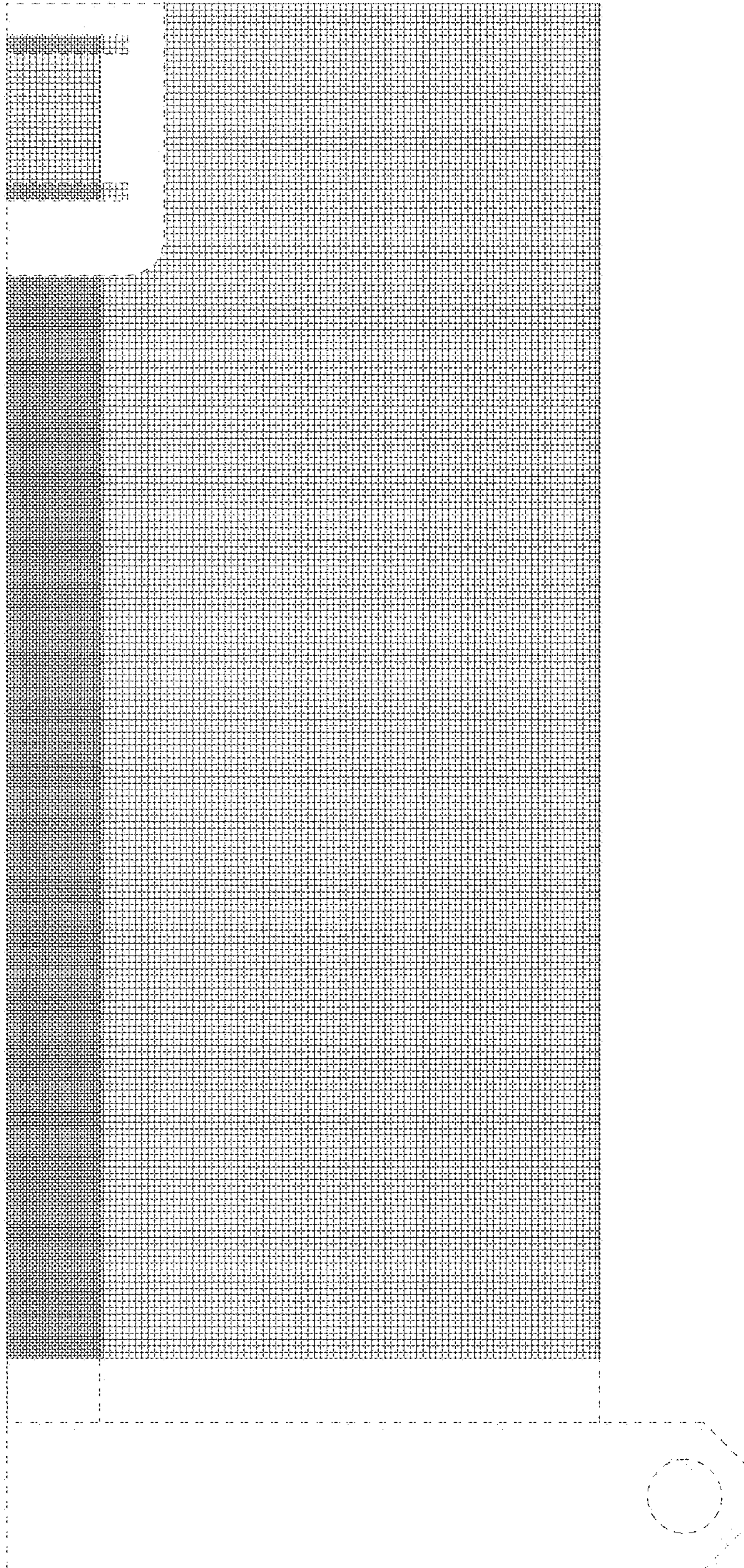


FIG. 11



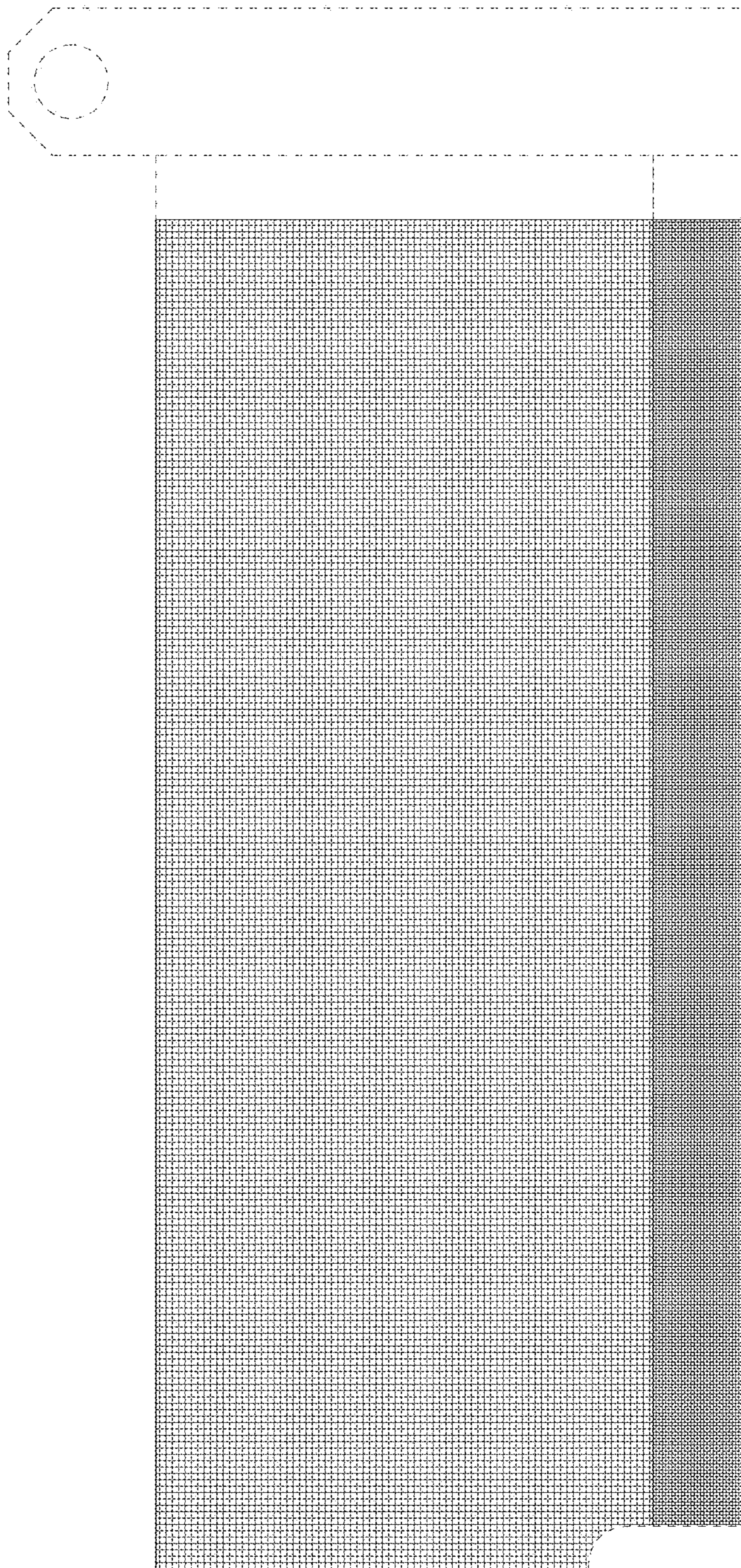
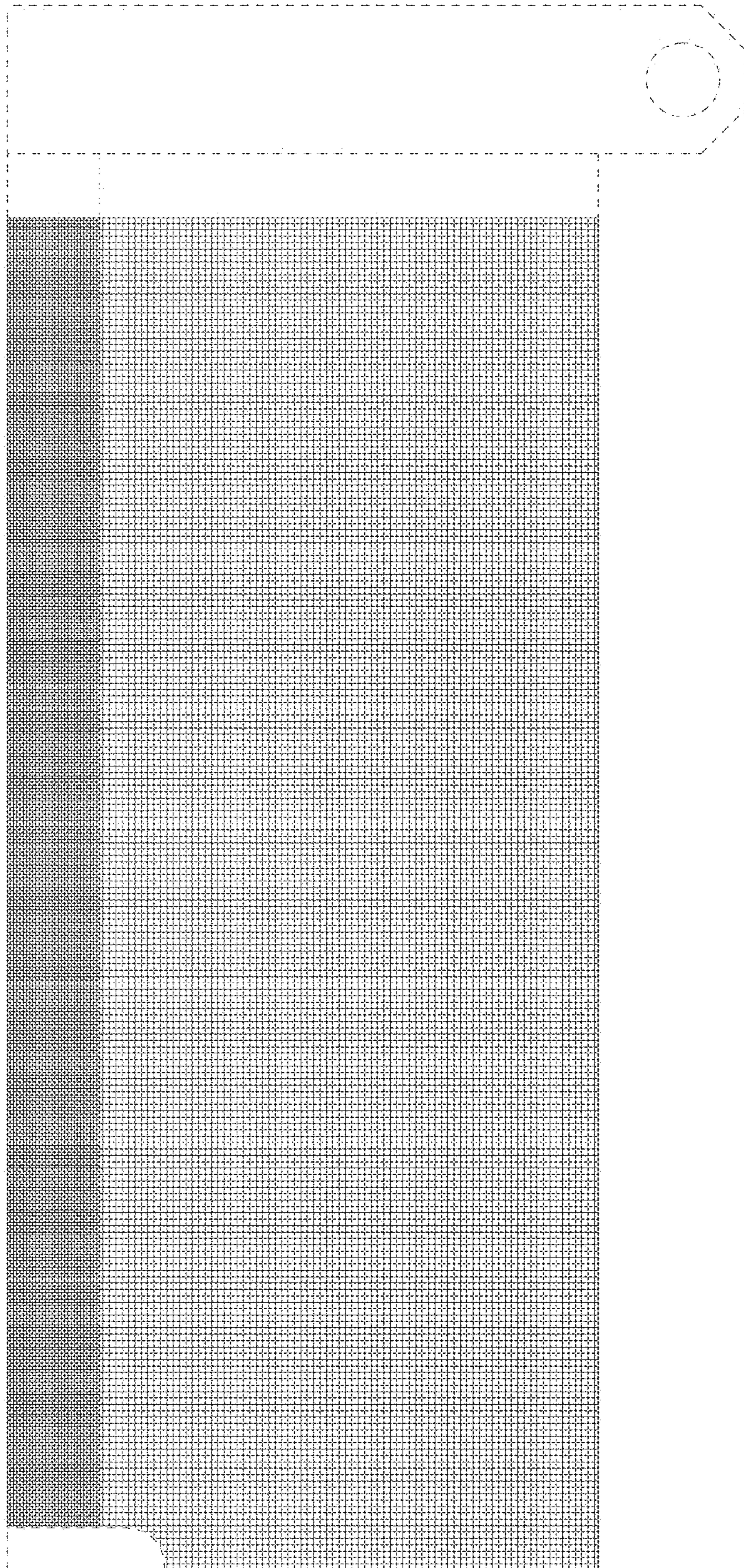


FIG. 12

FIG. 13



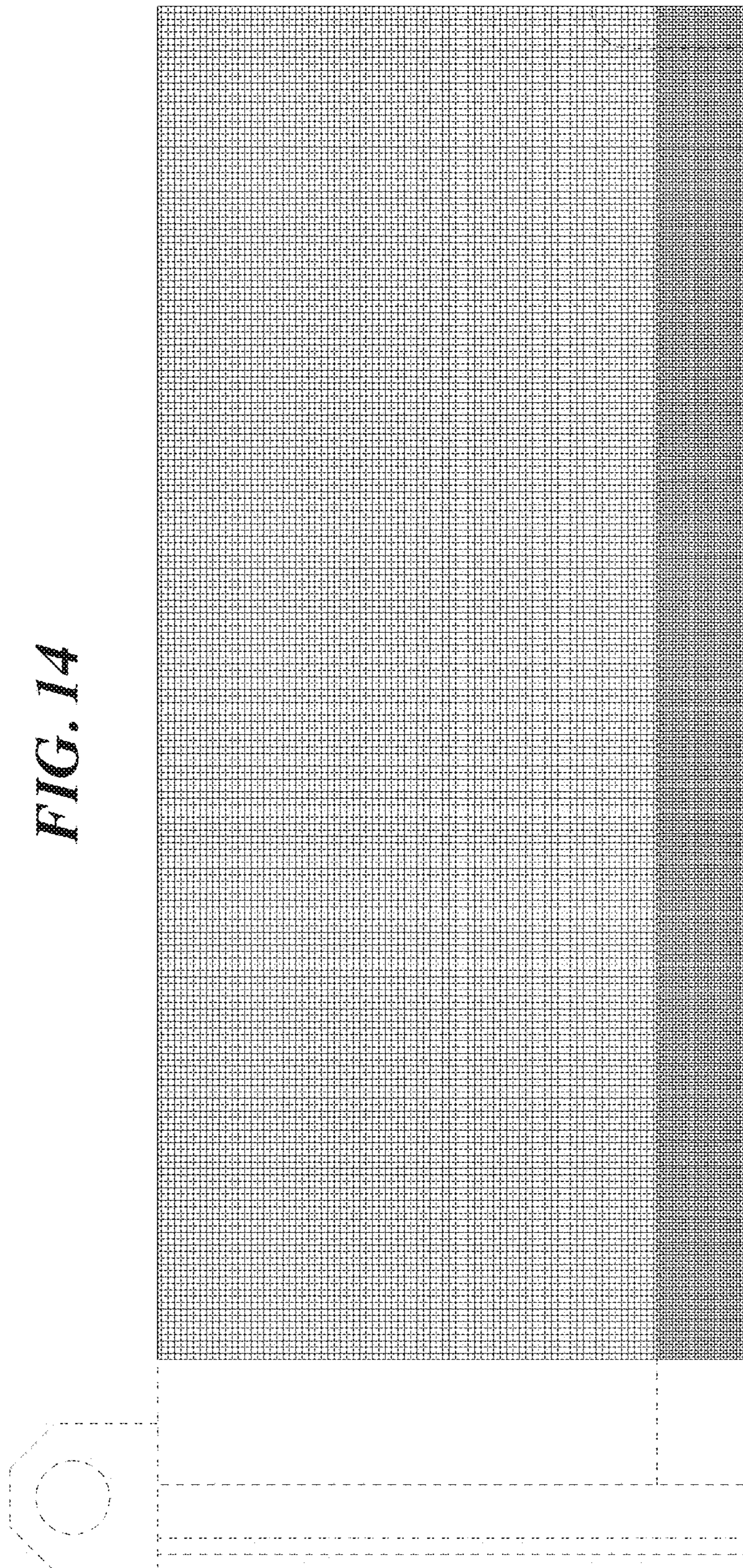


FIG. 15

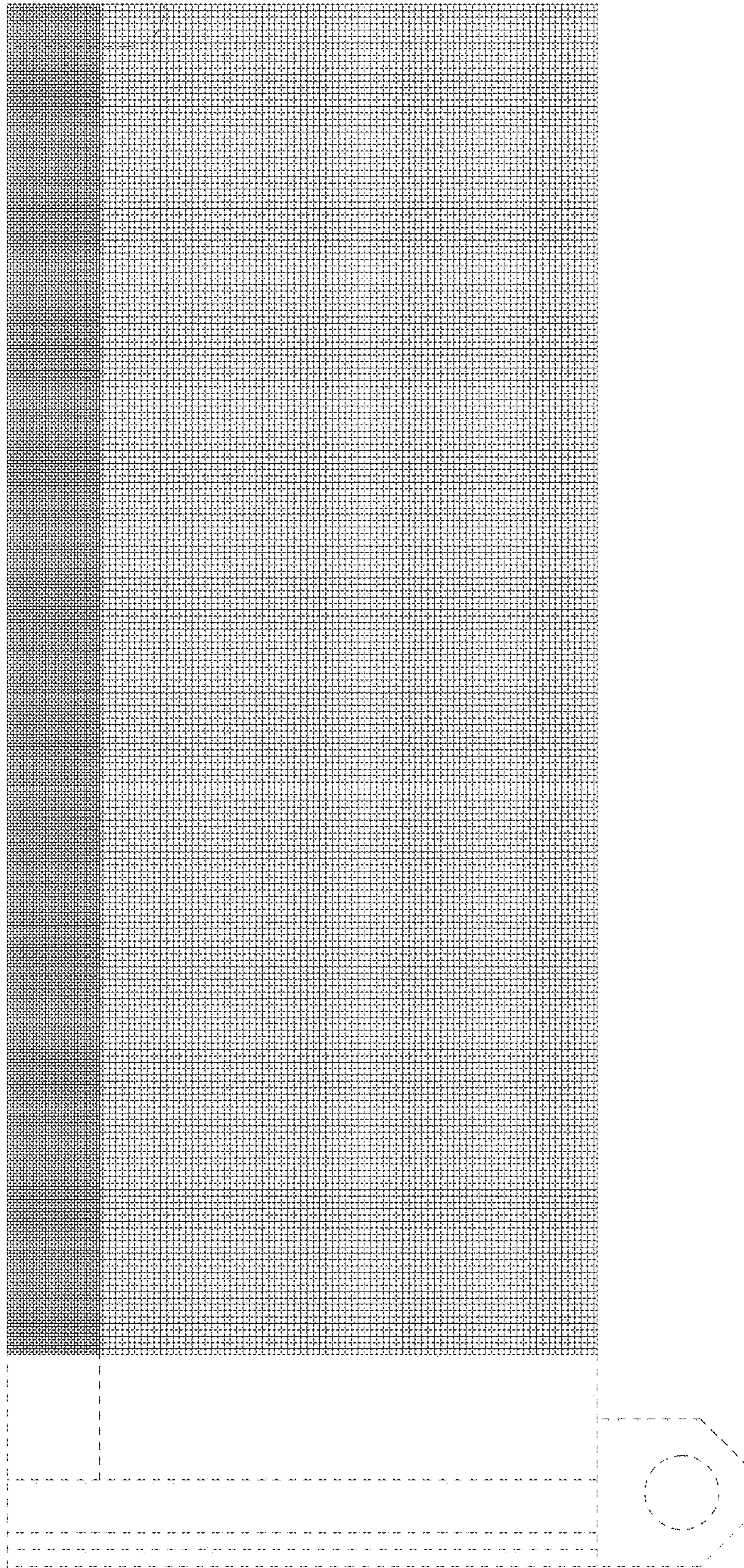


FIG. 16

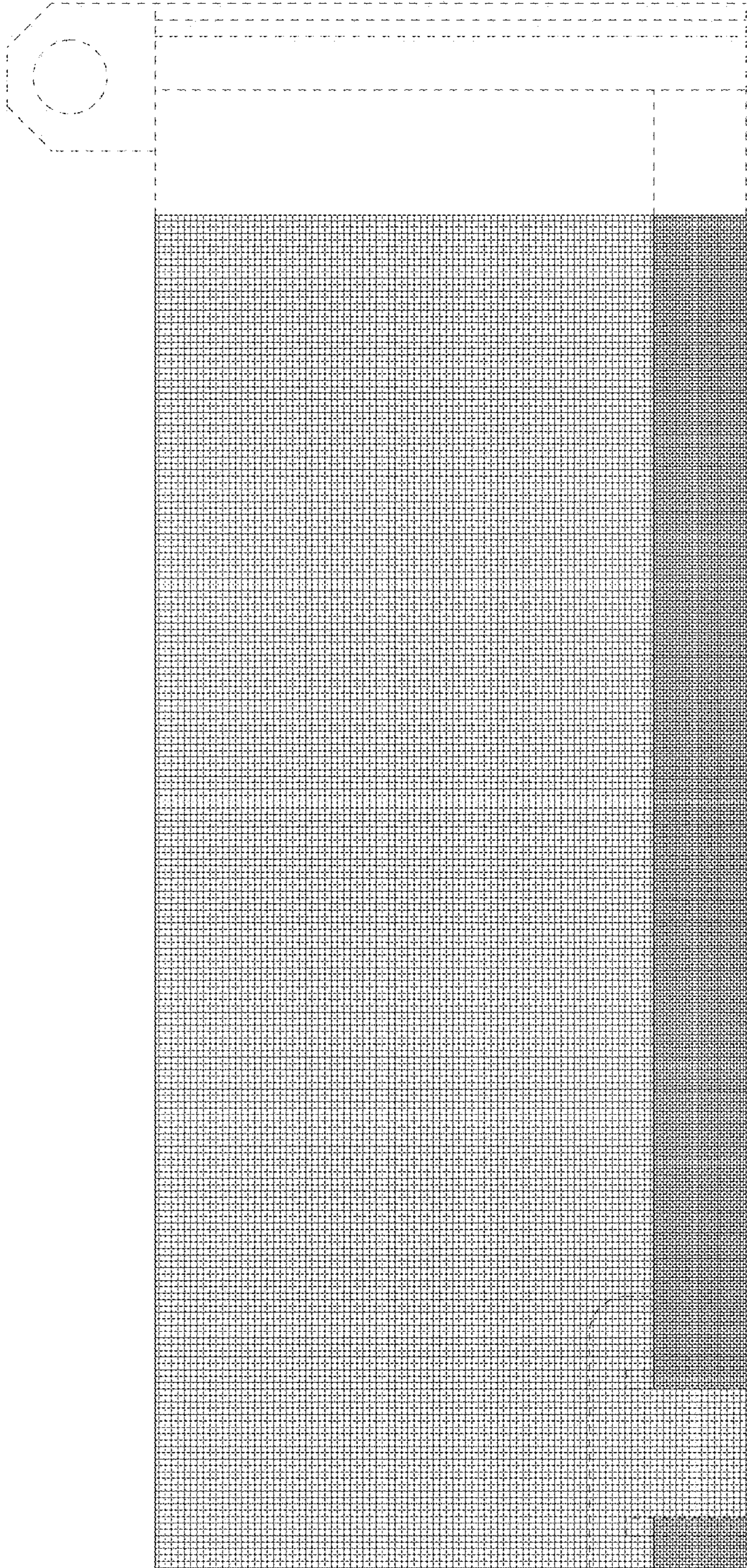


FIG. 17

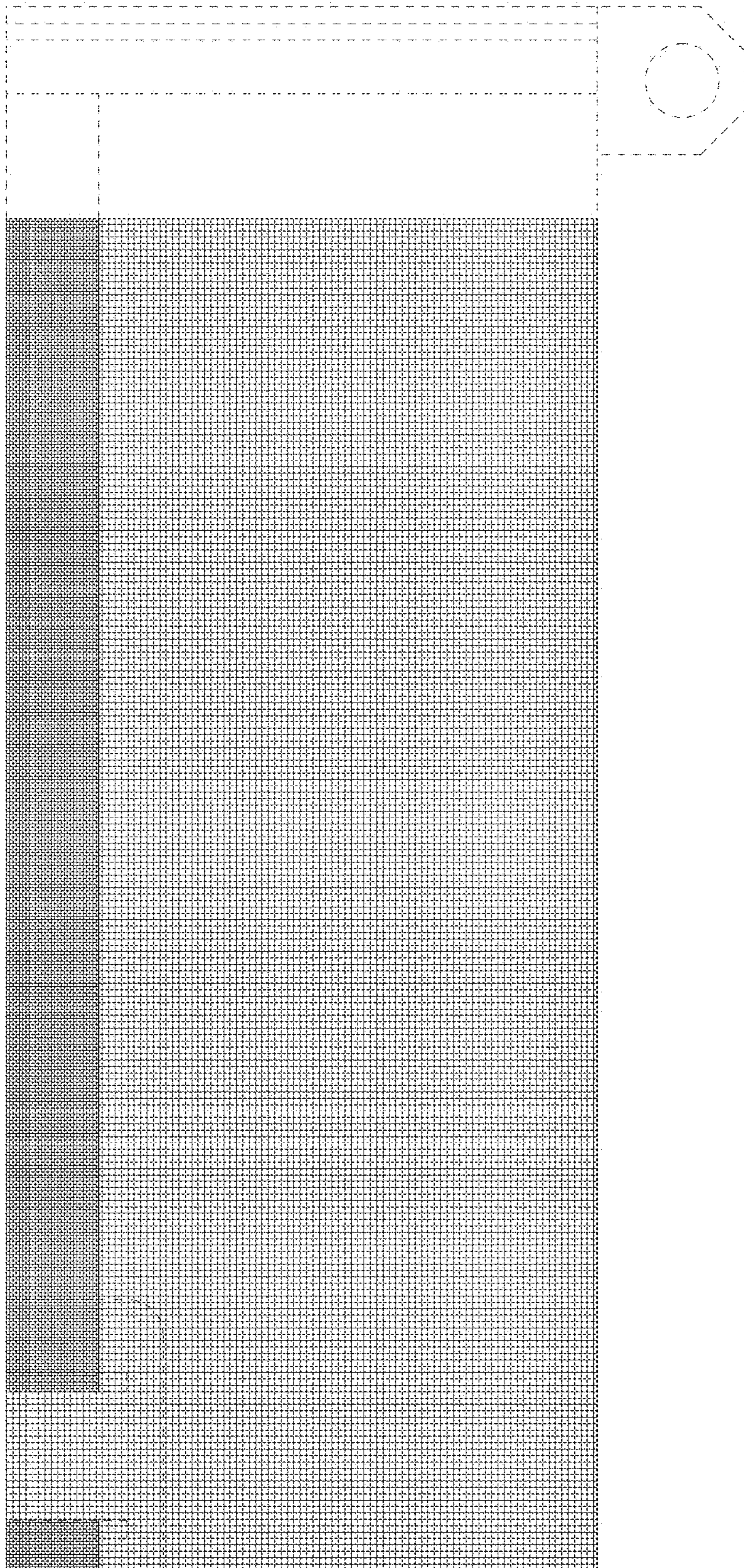


FIG. 18

