



US00D847102S

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

(10) **Patent No.:** **US D847,102 S**
(45) **Date of Patent:** **** Apr. 30, 2019**

(54) **LIGHT EMITTING DIODE**

FOREIGN PATENT DOCUMENTS

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KR 3020040006301 3/2004

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(57) **CLAIM**

The ornamental design for a light-emitting diode, as shown and described.

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

DESCRIPTION

(21) Appl. No.: **29/602,266**

(22) Filed: **Apr. 28, 2017**

Related U.S. Application Data

(60) Division of application No. 29/512,178, filed on Dec. 17, 2014, now abandoned, which is a (Continued)

(30) **Foreign Application Priority Data**

Feb. 8, 2013 (TW) 102301220
Jun. 17, 2014 (TW) 102301220D02

(51) **LOC (11) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/180**

(58) **Field of Classification Search**
USPC D13/180; D26/1
(Continued)

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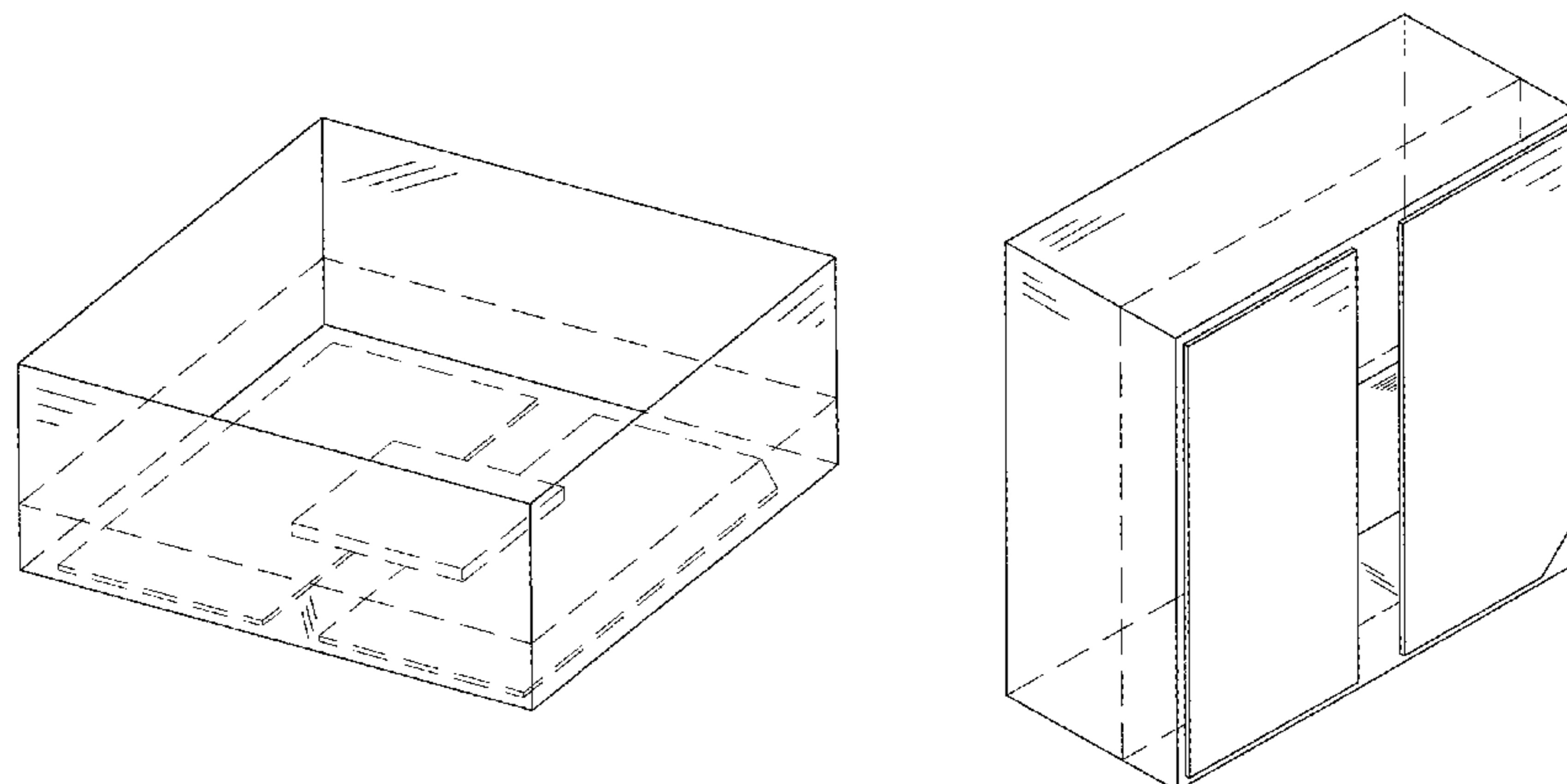
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(Continued)

FIG. 1 is a top perspective view of a light-emitting diode showing our new design, in which diagonal line shading is used to illustrate transparent surfaces, and the chip and electrode pads are not transparent;
FIG. 2 is a bottom perspective view thereof;
FIG. 3 is a front elevational view thereof;
FIG. 4 is a rear elevational view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a right side view thereof;
FIG. 7 is a top plan view thereof; and
FIG. 8 is a bottom plan view thereof.
FIG. 9 is a top perspective view of a light-emitting diode showing our new design, in which diagonal line shading is used to illustrate transparent surfaces, and the chip and electrode pads are not transparent;
FIG. 10 is a bottom perspective view thereof;
FIG. 11 is a front elevational view thereof;
FIG. 12 is a rear elevational view thereof;
FIG. 13 is a left side view thereof;
FIG. 14 is a right side view thereof;
FIG. 15 is a top plan view thereof; and,
FIG. 16 is a bottom plan view thereof.

The broken lines in the drawings depict portions of light emitting diode that form no part of the claimed design.

1 Claim, 10 Drawing Sheets



Related U.S. Application Data

continuation-in-part of application No. 29/496,938, filed on Jul. 18, 2014, now Pat. No. Des. 744,965, which is a continuation of application No. 29/462,785, filed on Aug. 8, 2013, now Pat. No. Des. 710,811.

(58) **Field of Classification Search**

CPC H01L 25/167; H01L 25/0753; H01L 27/0248; H01L 27/15; H01L 27/156; H01L 31/02; H01L 33/00; H01L 33/04; H01L 33/08; H01L 33/10; H01L 33/20; H01L 33/38; H01L 33/42; H01L 33/48; H01L 33/62; H01L 33/483; H01L 33/486; H01L 23/60; F21K 9/00; F21K 9/30; F21K 9/54

See application file for complete search history.

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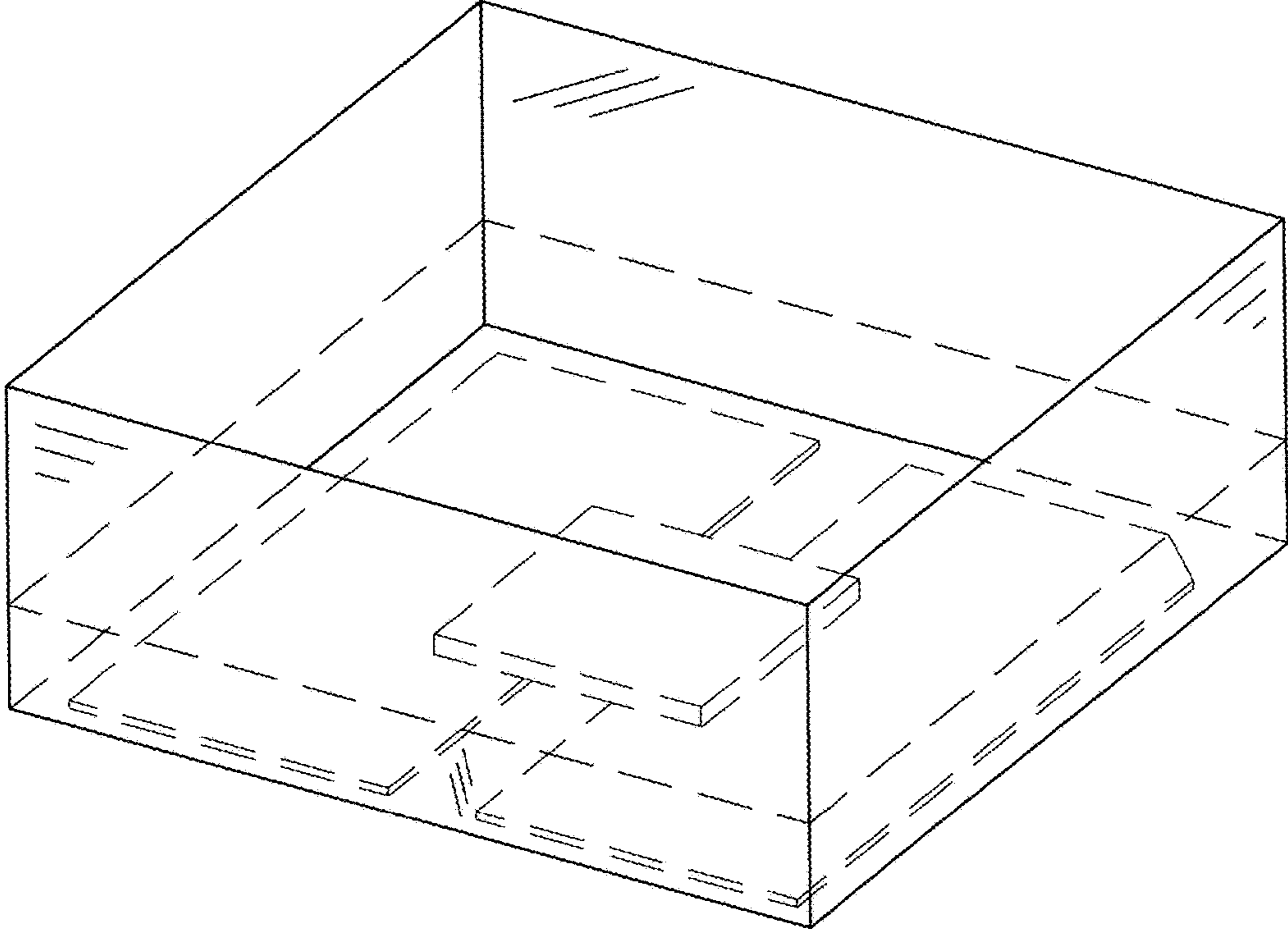


FIG. 1

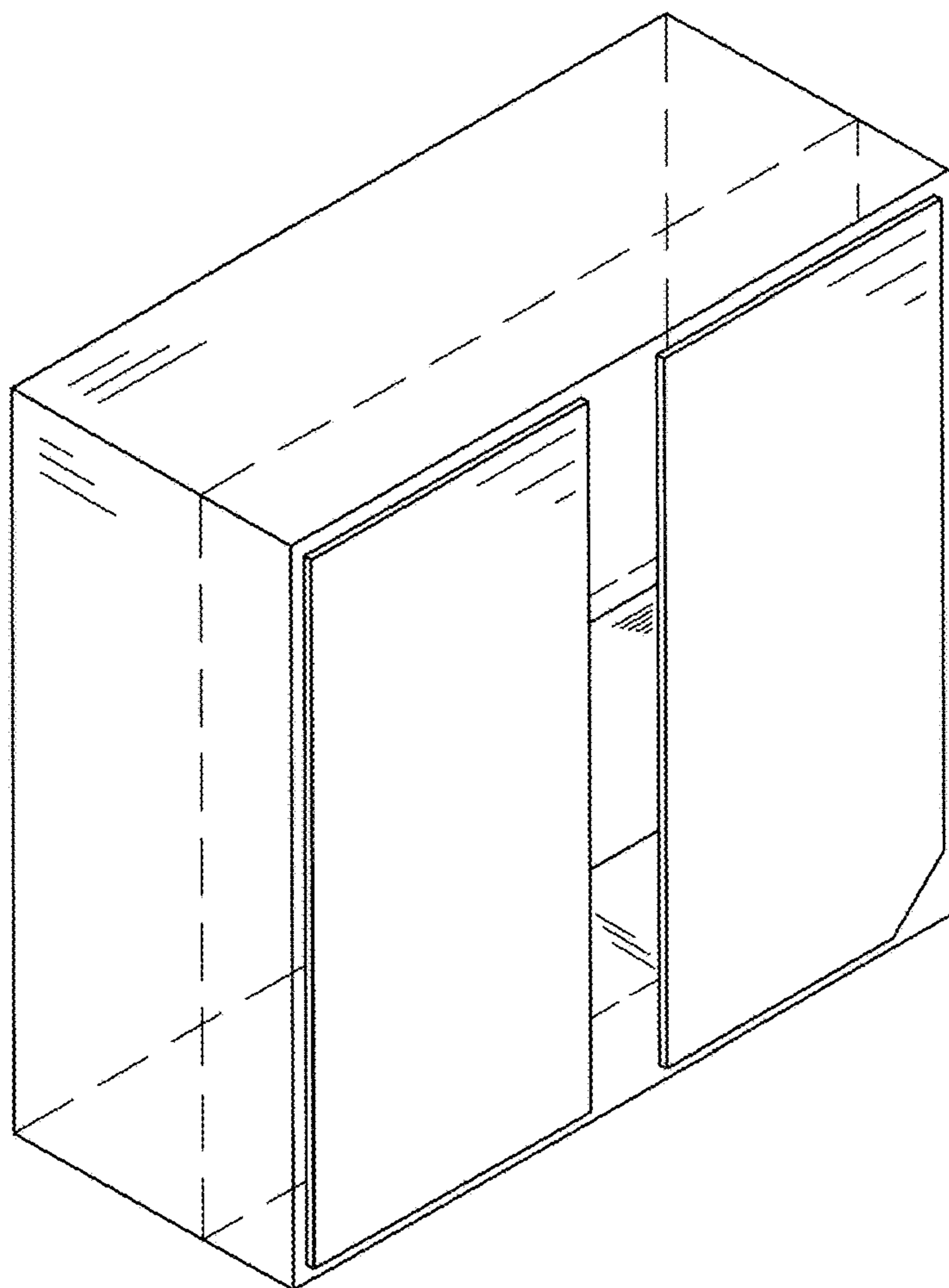


FIG. 2

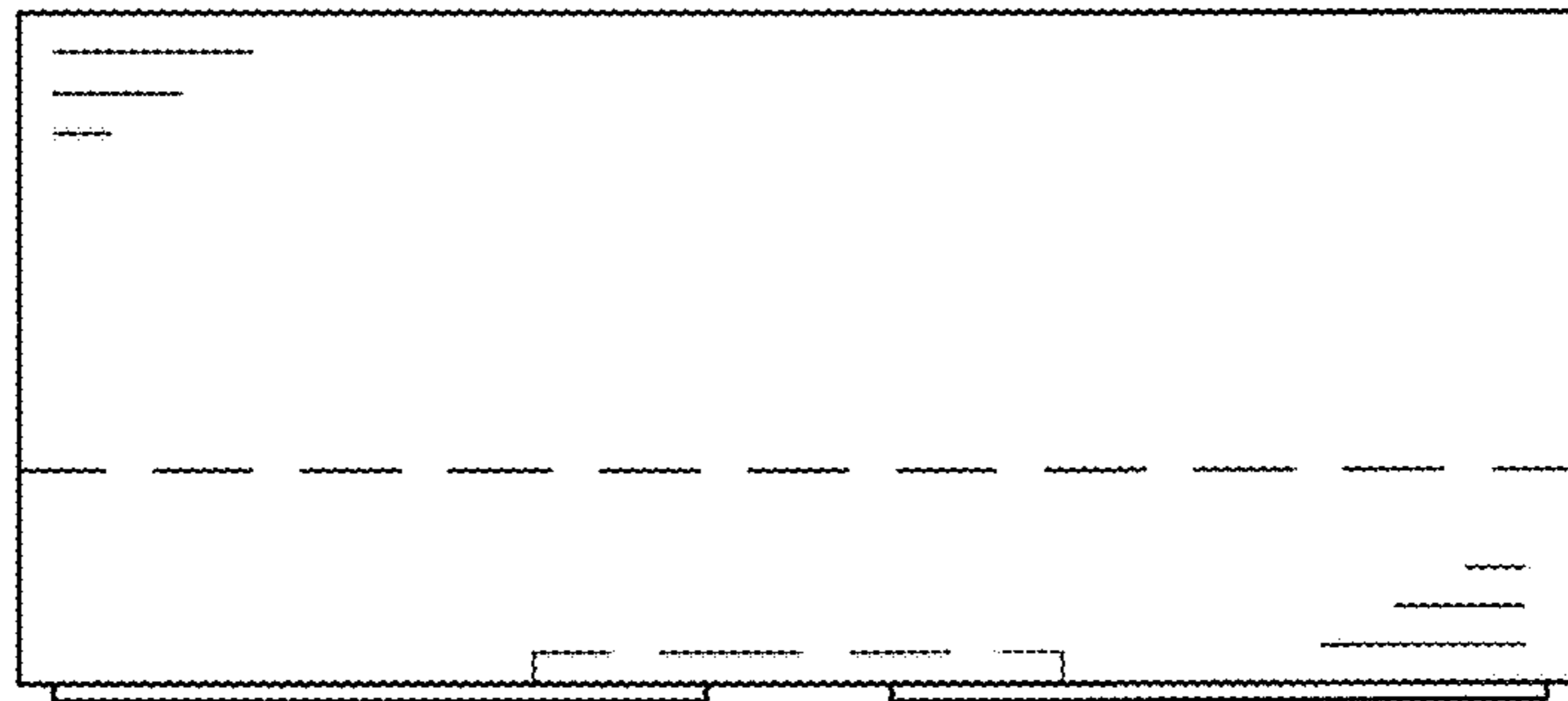


FIG. 3

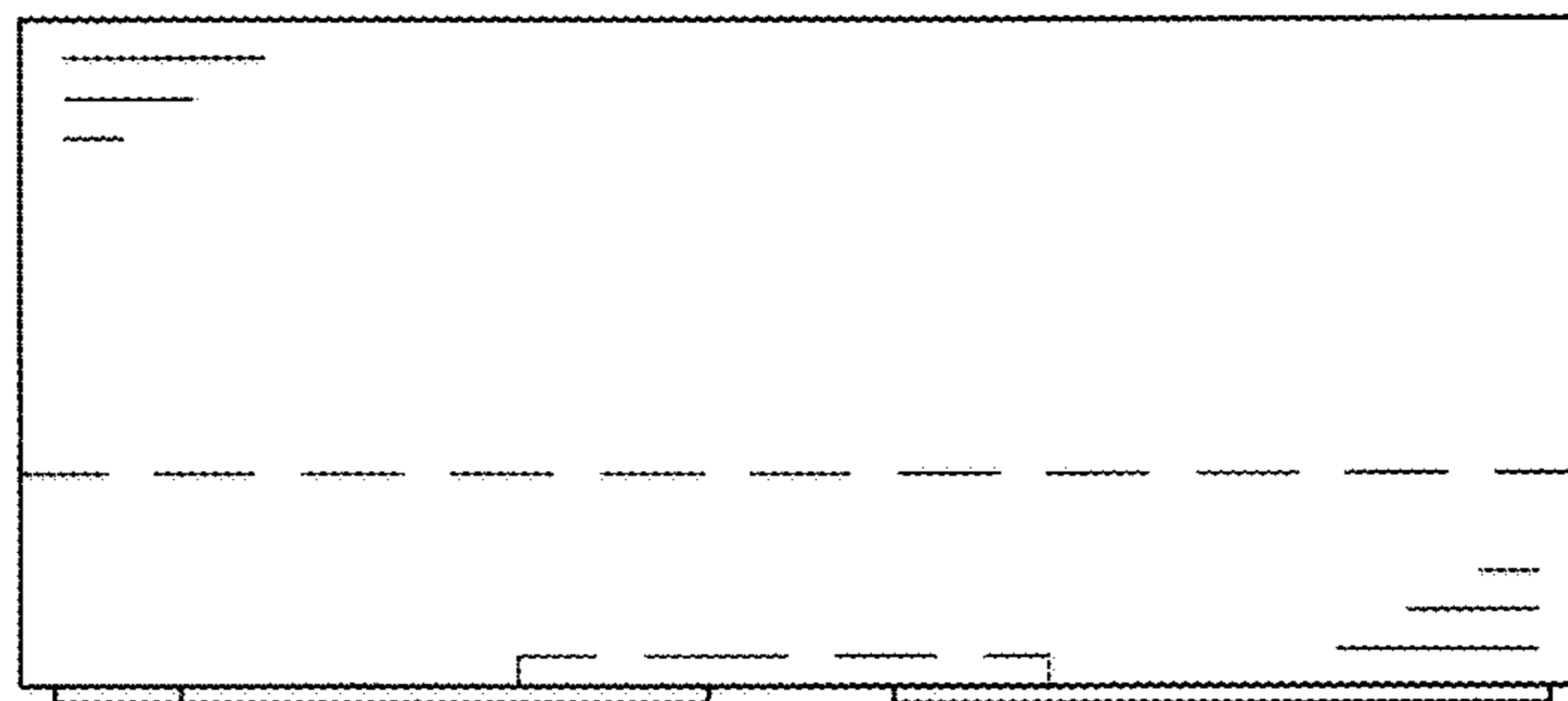


FIG. 4

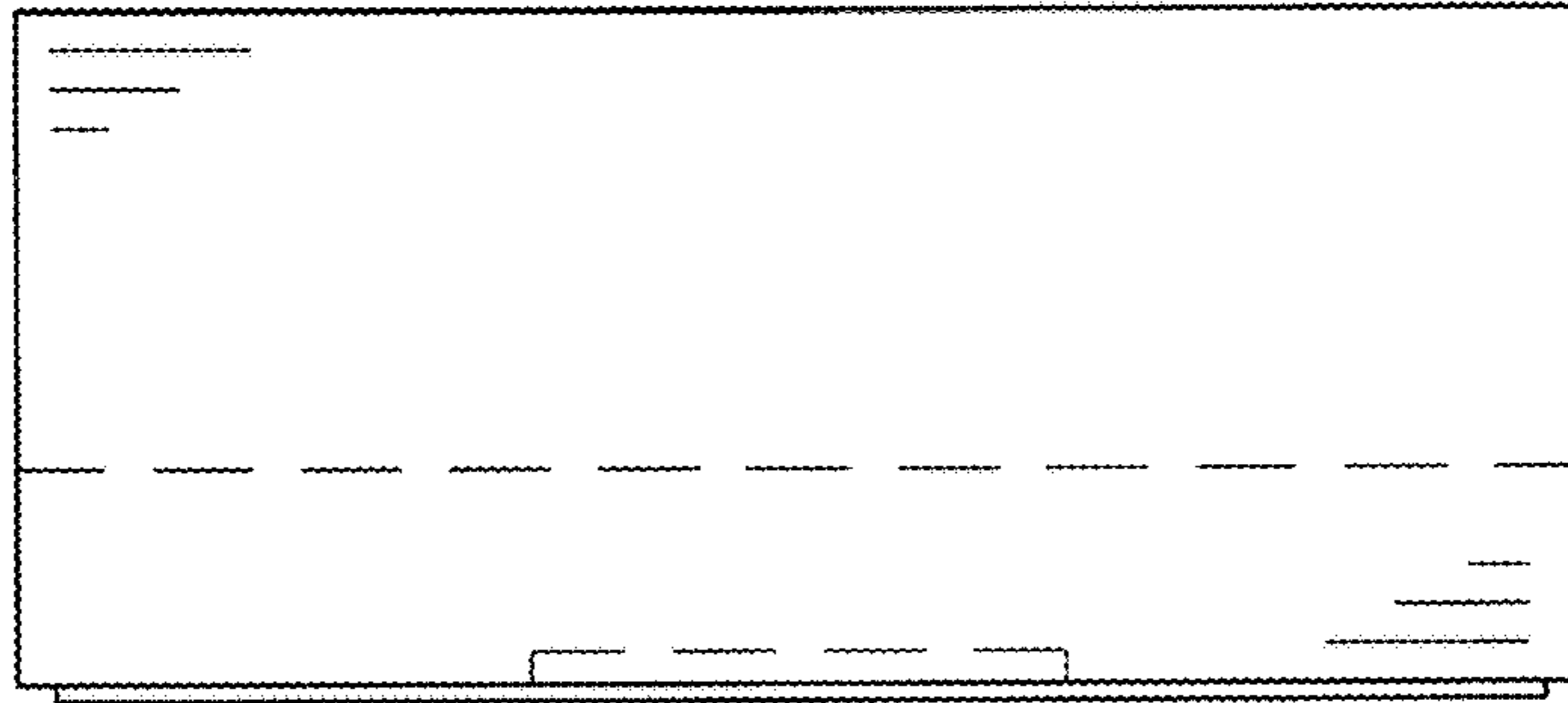


FIG. 5

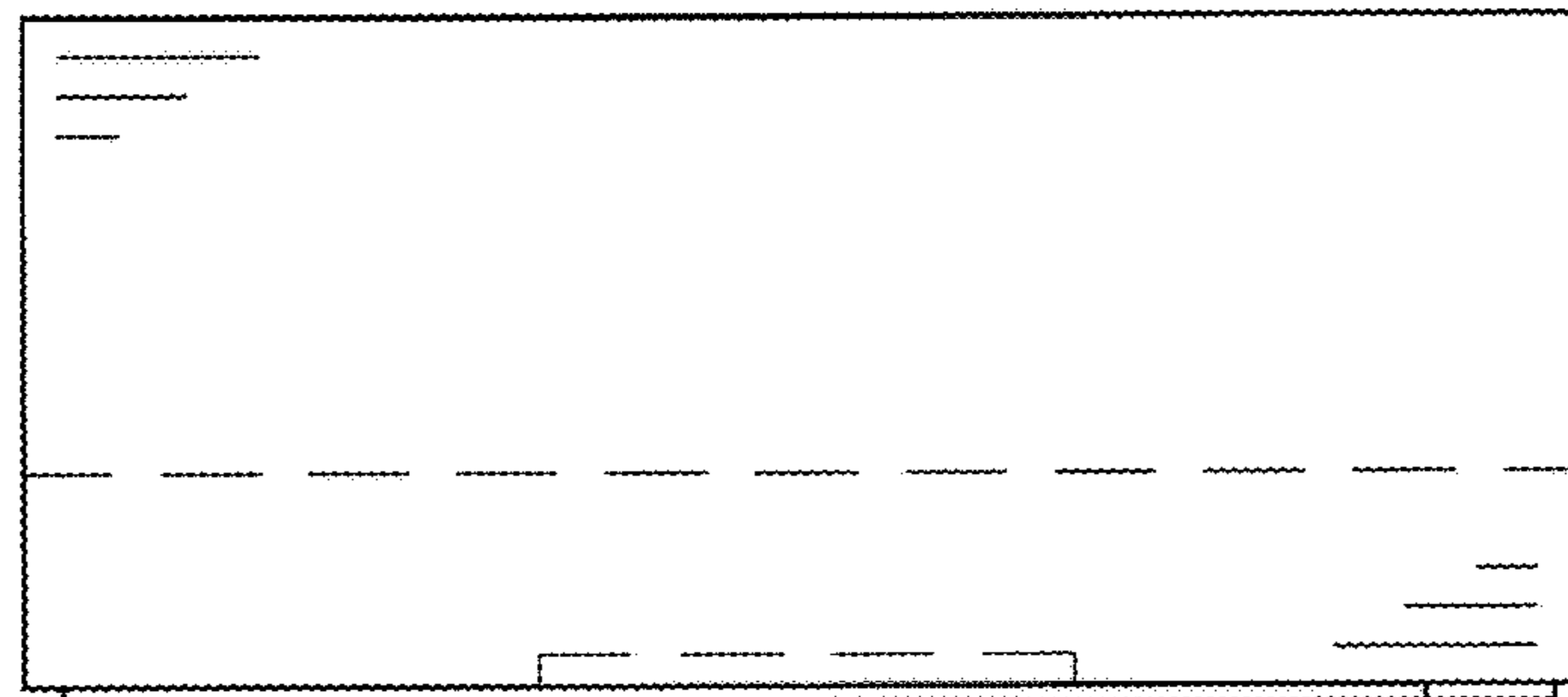


FIG. 6

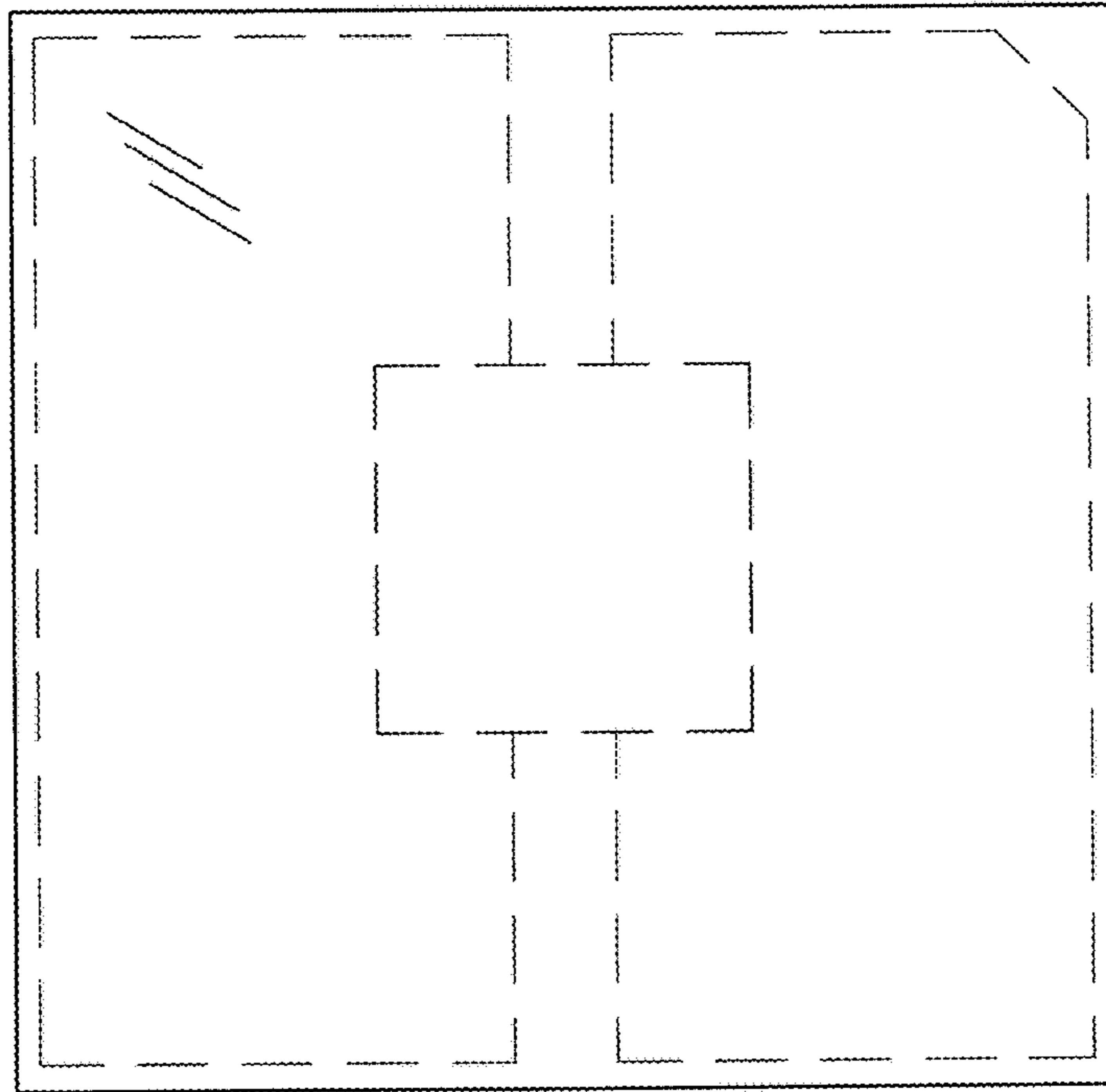


FIG. 7

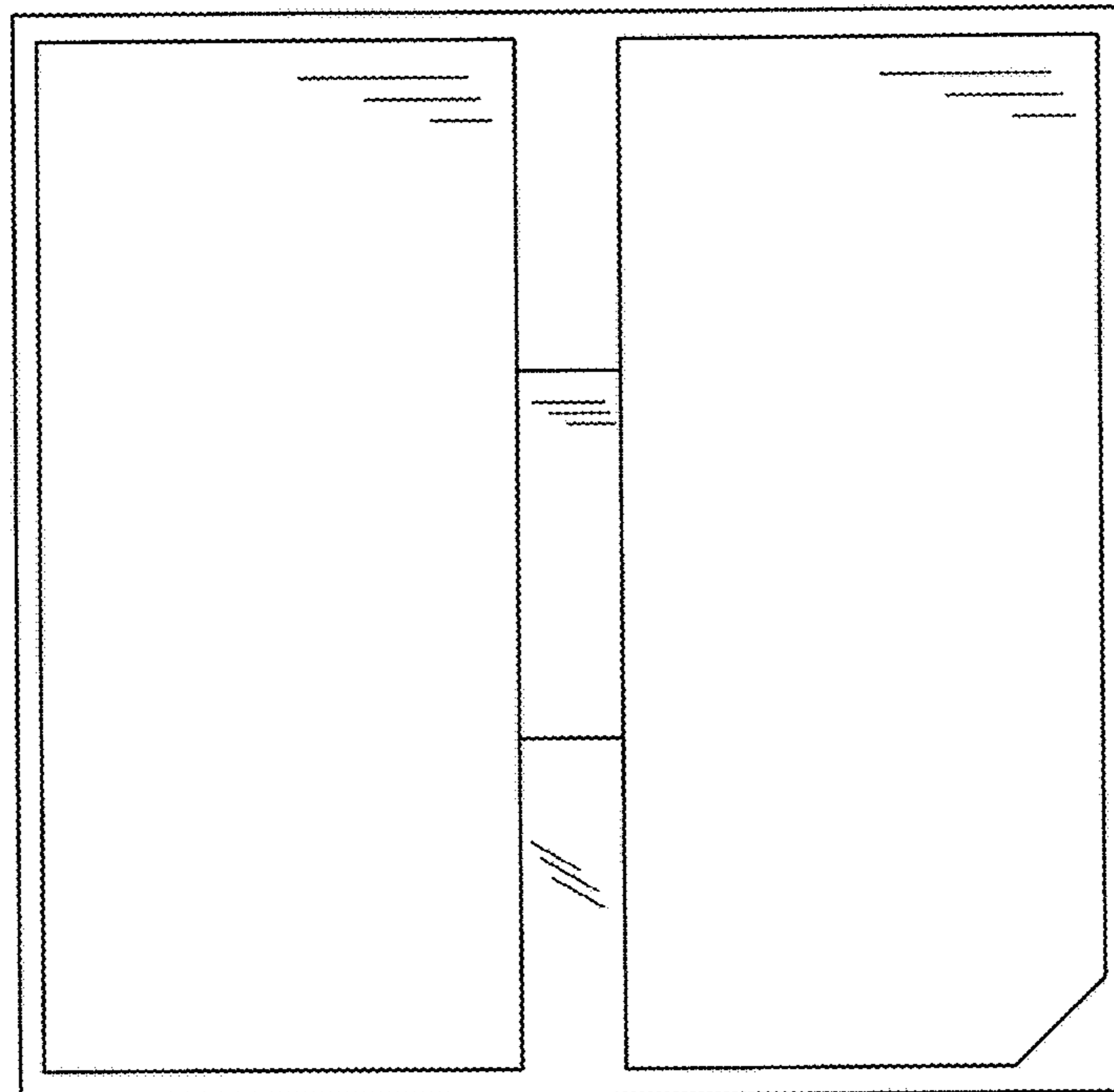


FIG. 8

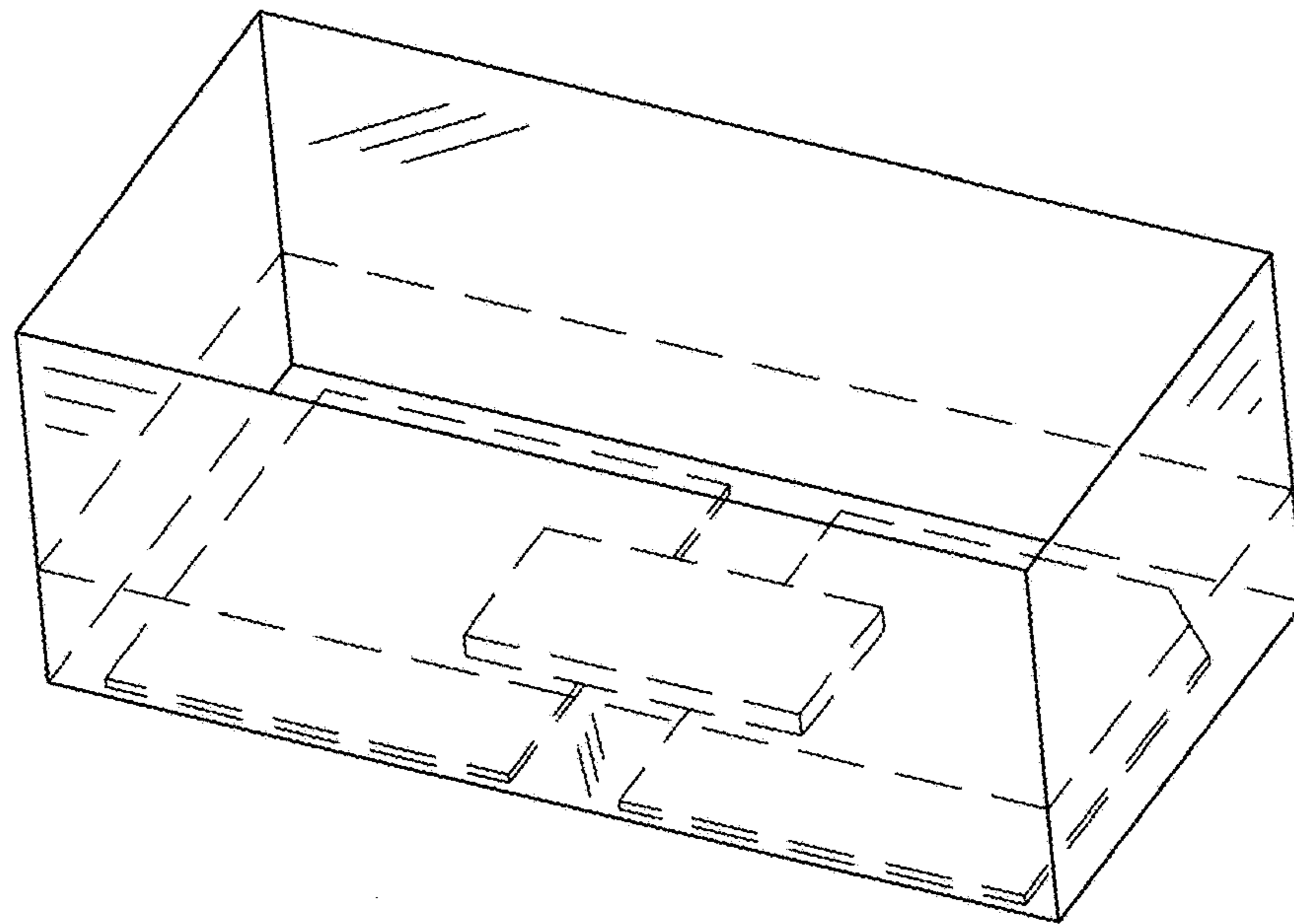


FIG. 9

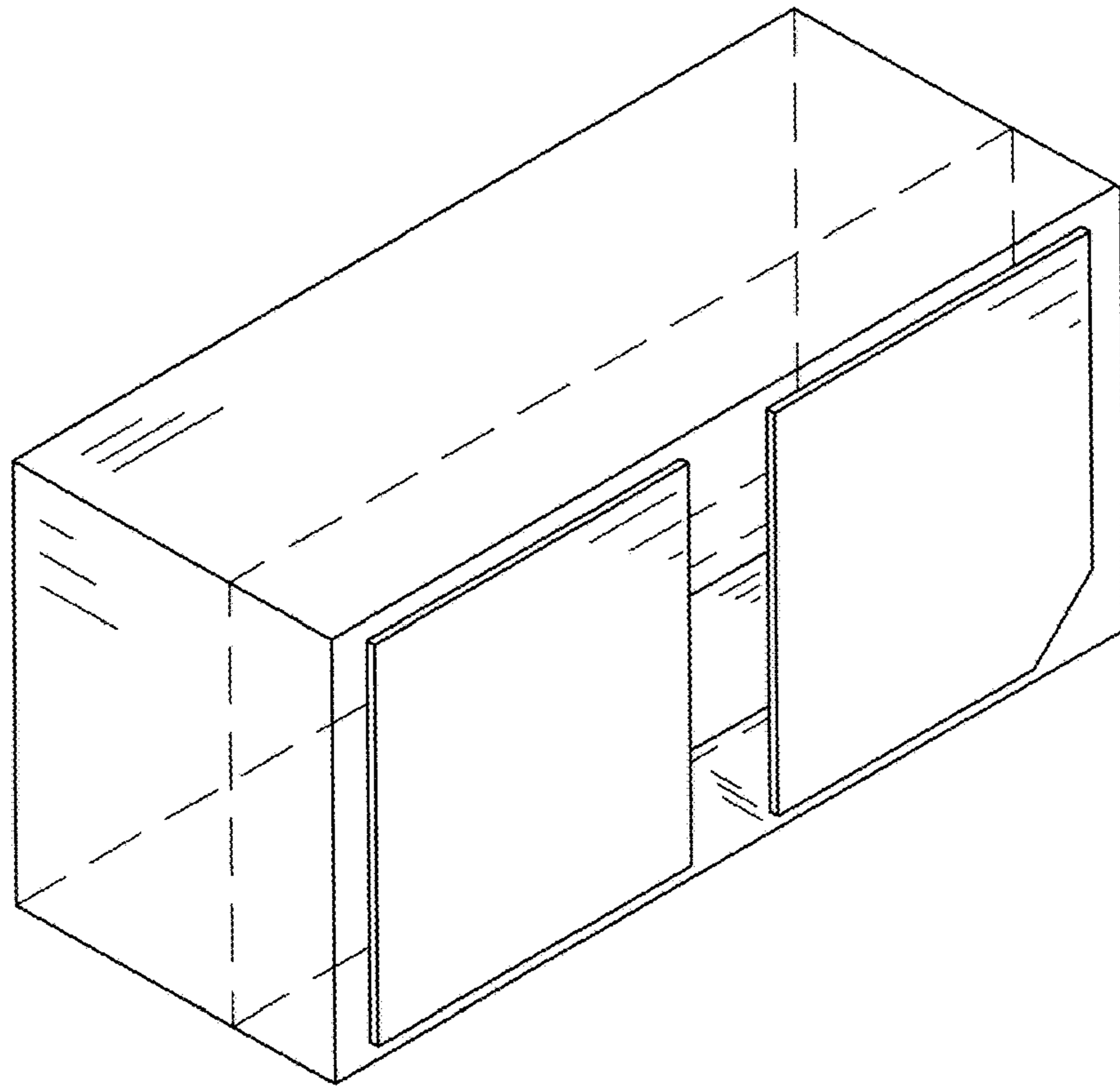


FIG. 10



FIG. 11

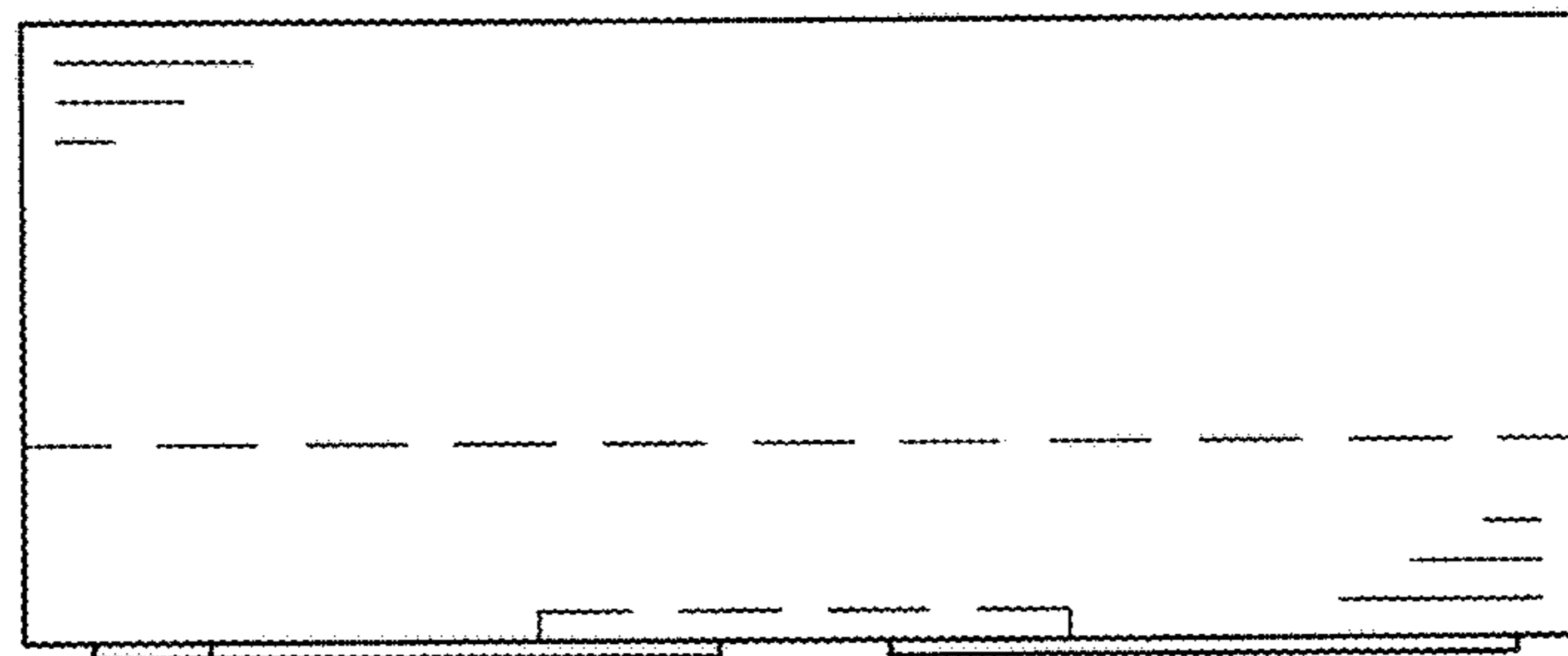


FIG. 12

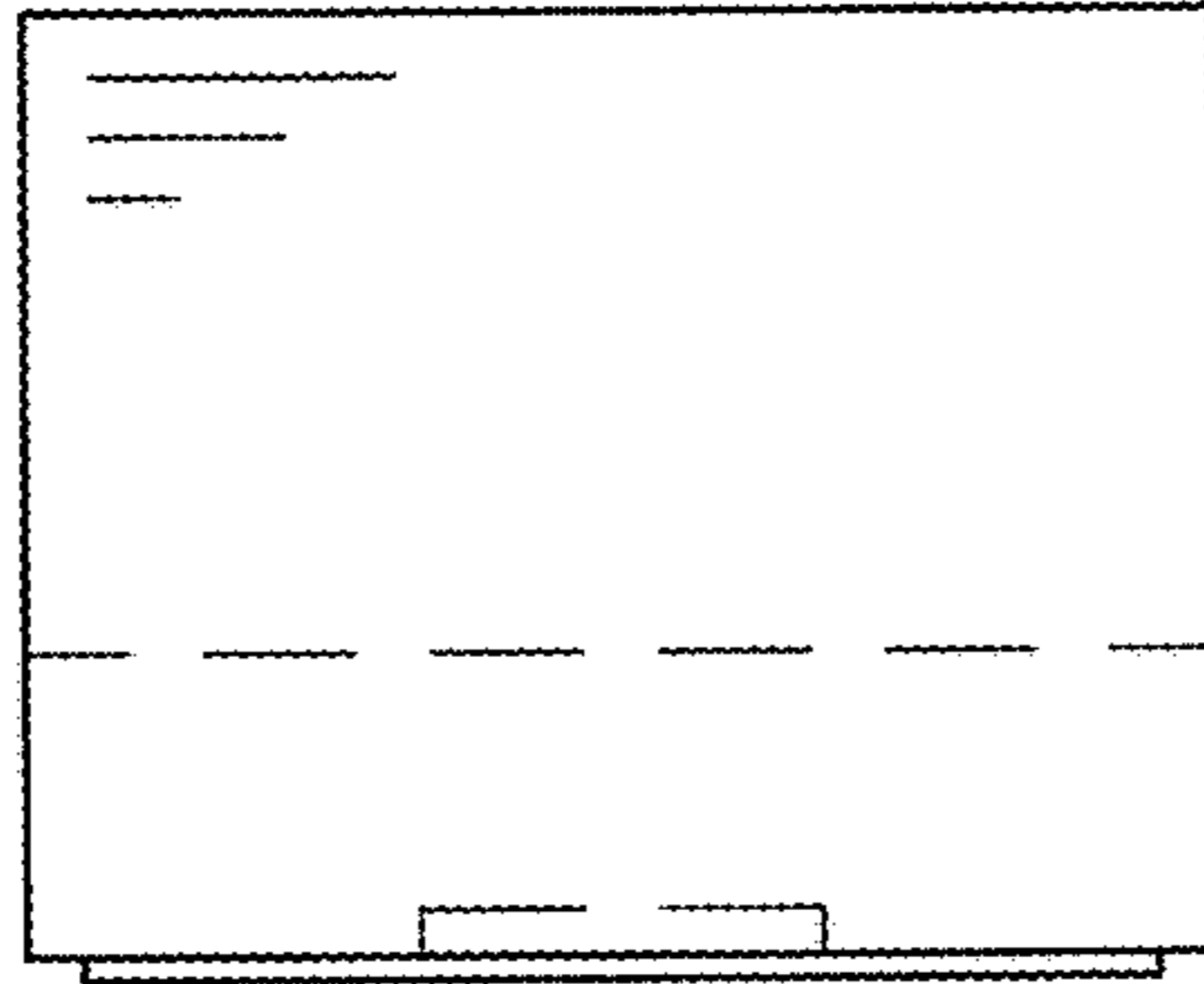


FIG. 13

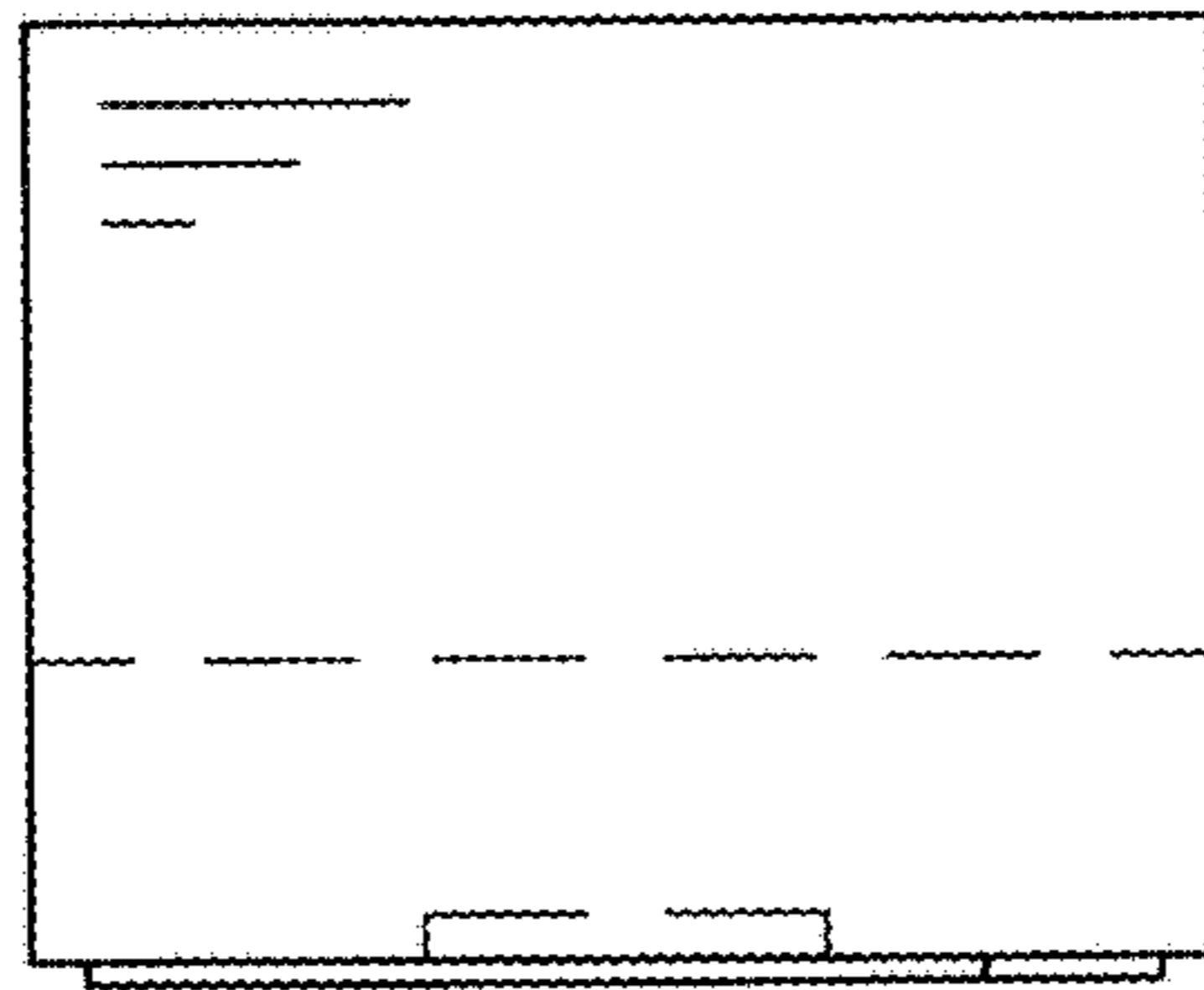


FIG. 14

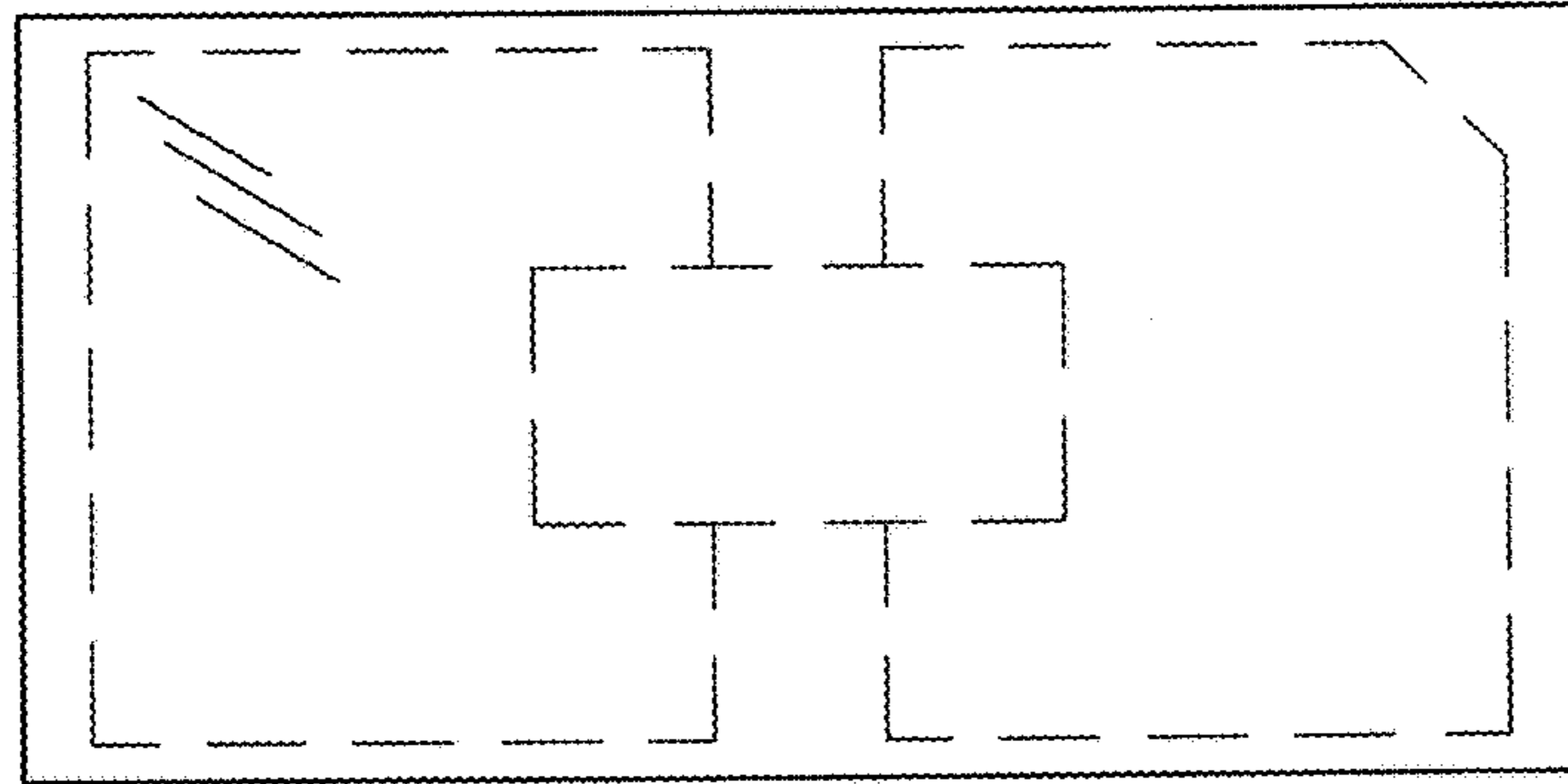


FIG. 15

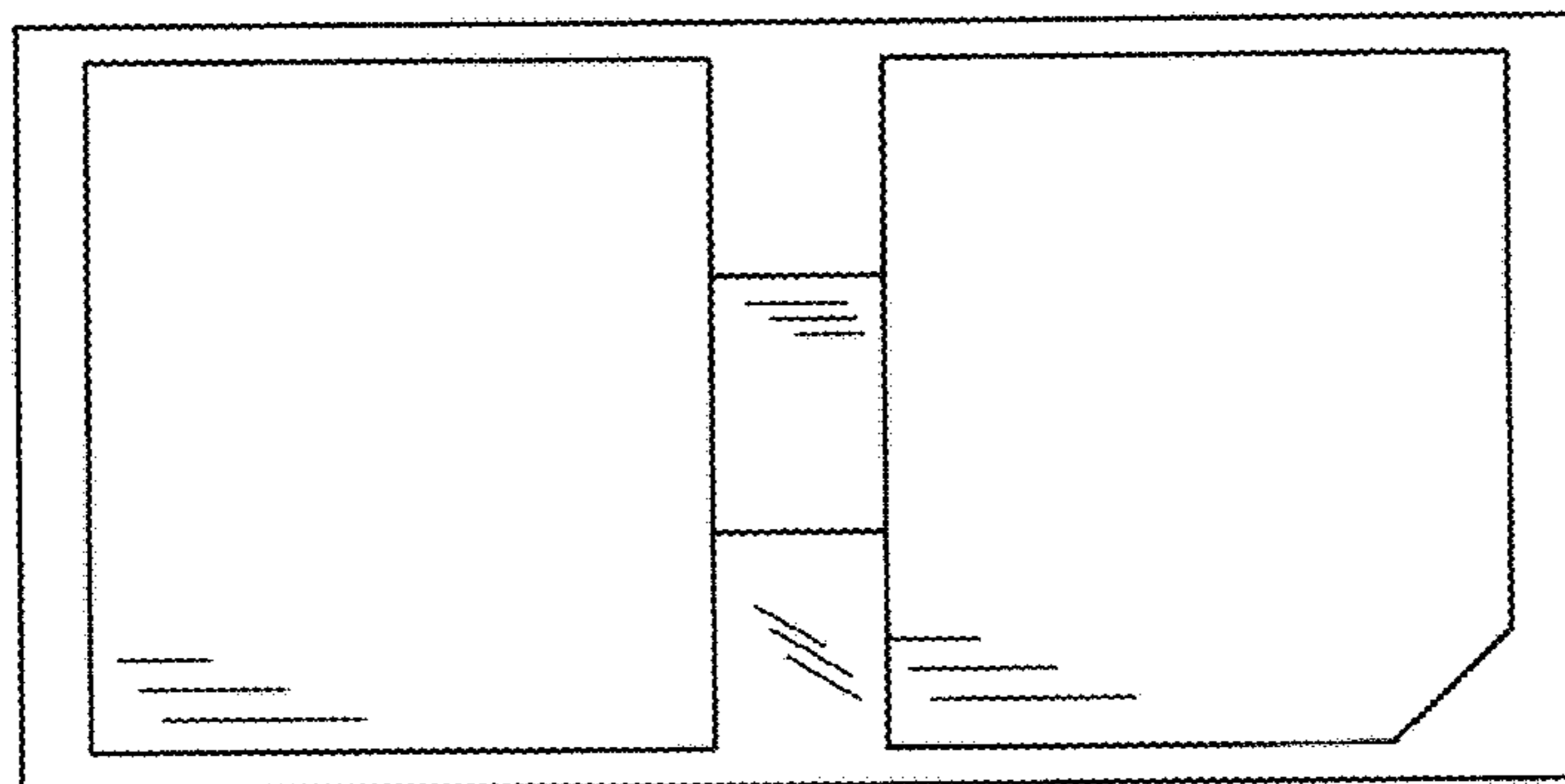


FIG. 16