



US00D427533S

United States Patent [19]

[11] Patent Number: Des. 427,533

Cowan et al.

[45] Date of Patent: ** Jul. 4, 2000

[54] ELECTRIC METER EXTERNAL I/O ENCLOSURE

[75] Inventors: Peter C. Cowan, Sidney; Markus F. Hirschbold, Victoria, both of Canada

[73] Assignee: Power Measurement Ltd., Saanichton BC, Canada

[**] Term: 14 Years

[21] Appl. No.: 29/112,585

[22] Filed: Oct. 20, 1999

[51] LOC (7) Cl. 10-04

[52] U.S. Cl. D10/75; D10/46

[58] Field of Search D10/46, 75; 340/870.02, 340/870.01, 870.04, 870.05; 439/83

[56] References Cited

U.S. PATENT DOCUMENTS

D. 377,353	1/1997	Tajima et al.	D10/75
4,360,913	11/1982	Struger et al.	370/112
4,858,101	8/1989	Stewart et al.	364/131
5,334,090	8/1994	Rix	454/72
5,877,938	3/1999	Hobbs et al.	361/724

OTHER PUBLICATIONS

Cutler-Hammer "IQ 200 Digital Meter" brochure, Publication No. PA. 17C.01.S.E, (Jun., 1998).

Square D Groupe Schneider "Powerlogic® Power Meter", Bulletin No. 3020H09601R, (Oct., 1998).

Power Measurement "7300 ION Digital Power Metering for the Cost of Analog", Bulletin, (Jul. 24, 1996).

"7330 ION® Digital 3-Phase Power Meter", Power Measurement, Bulletin (Jul. 30, 1999).

"7300 ION® Low Cost 3-Phase Power Meter", Power Measurement, Bulletin (Apr. 29, 1999).

"7300 ION® Low Cost 3-Phase Power Meter", Power Measurement, Bulletin (Jul. 28, 1999).

Primary Examiner—Antoine Duval Davis

Attorney, Agent, or Firm—Brinks Hofer Gilson & Lione

[57] CLAIM

The ornamental design for an electric meter external I/O enclosure, as shown and described.

DESCRIPTION

FIG. 1 is a right front perspective view of a first embodiment of the electric meter external I/O enclosure;

FIG. 2 is a front elevation of a first embodiment of the electric meter external I/O enclosure illustrated in FIG. 1;

FIG. 3 is a top view thereof;

FIG. 4 is a left side view thereof;

FIG. 5 is a right side view thereof;

FIG. 6 is a bottom view thereof; and,

FIG. 7 is the rear end view thereof;

FIG. 8 is a right front perspective view of a second embodiment of the electric meter external I/O enclosure;

FIG. 9 is a front elevation of a second embodiment of the electric meter external I/O enclosure illustrated in FIG. 8;

FIG. 10 is a top view thereof;

FIG. 11 is a left side view thereof;

FIG. 12 is a right side view thereof;

FIG. 13 is a bottom view thereof; and,

FIG. 14 is the rear end view thereof.

FIG. 15 is a right front perspective view of a third embodiment of the electric meter external I/O enclosure;

FIG. 16 is a front elevation of a third embodiment of the electric meter external I/O enclosure illustrated in FIG. 15;

FIG. 17 is a top view thereof;

FIG. 18 is a left side view thereof;

FIG. 19 is a right side view thereof;

FIG. 20 is a bottom view thereof; and,

FIG. 21 is the rear end view thereof.

FIG. 22 is a right front perspective view of a fourth embodiment of the electric meter external I/O enclosure;

FIG. 23 is a front elevation of a fourth embodiment of the electric meter external I/O enclosure illustrated in FIG. 22;

FIG. 24 is a top view thereof;

FIG. 25 is a left side view thereof;

FIG. 26 is a right side view thereof;

FIG. 27 is a bottom view thereof; and,

FIG. 28 is the rear end view thereof;

FIG. 29 is a right front perspective view of a fifth embodiment of the electric meter external I/O enclosure;

FIG. 30 is a front elevation of a fifth embodiment of the electric meter external I/O enclosure illustrated in FIG. 29;

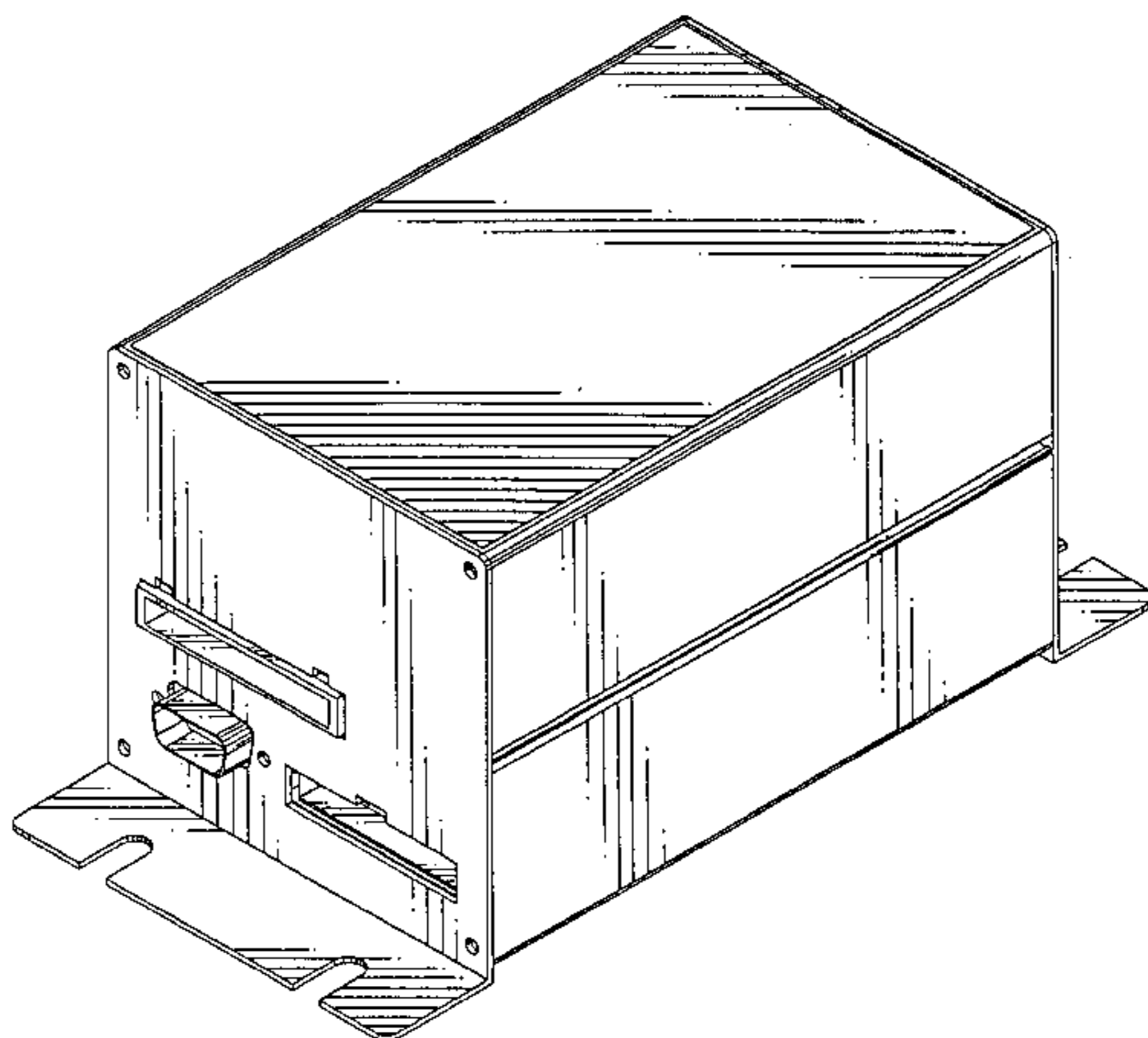


FIG. **31** is a top view thereof;
FIG. **32** is a left side view thereof;
FIG. **33** is a right side view thereof;
FIG. **34** is a bottom view thereof; and,

FIG. **35** is the rear end view thereof.

1 Claim, 15 Drawing Sheets

Fig. 1

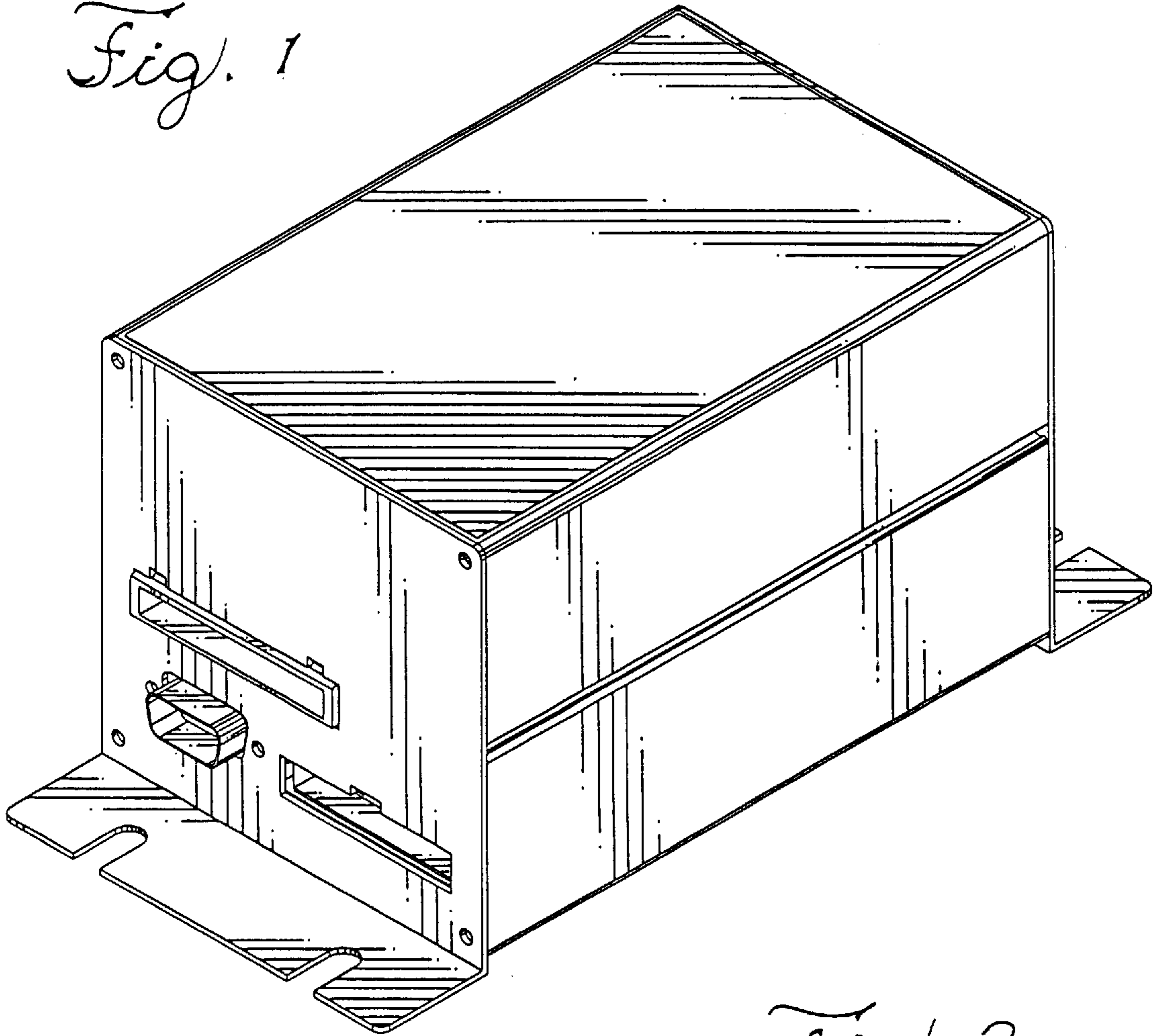
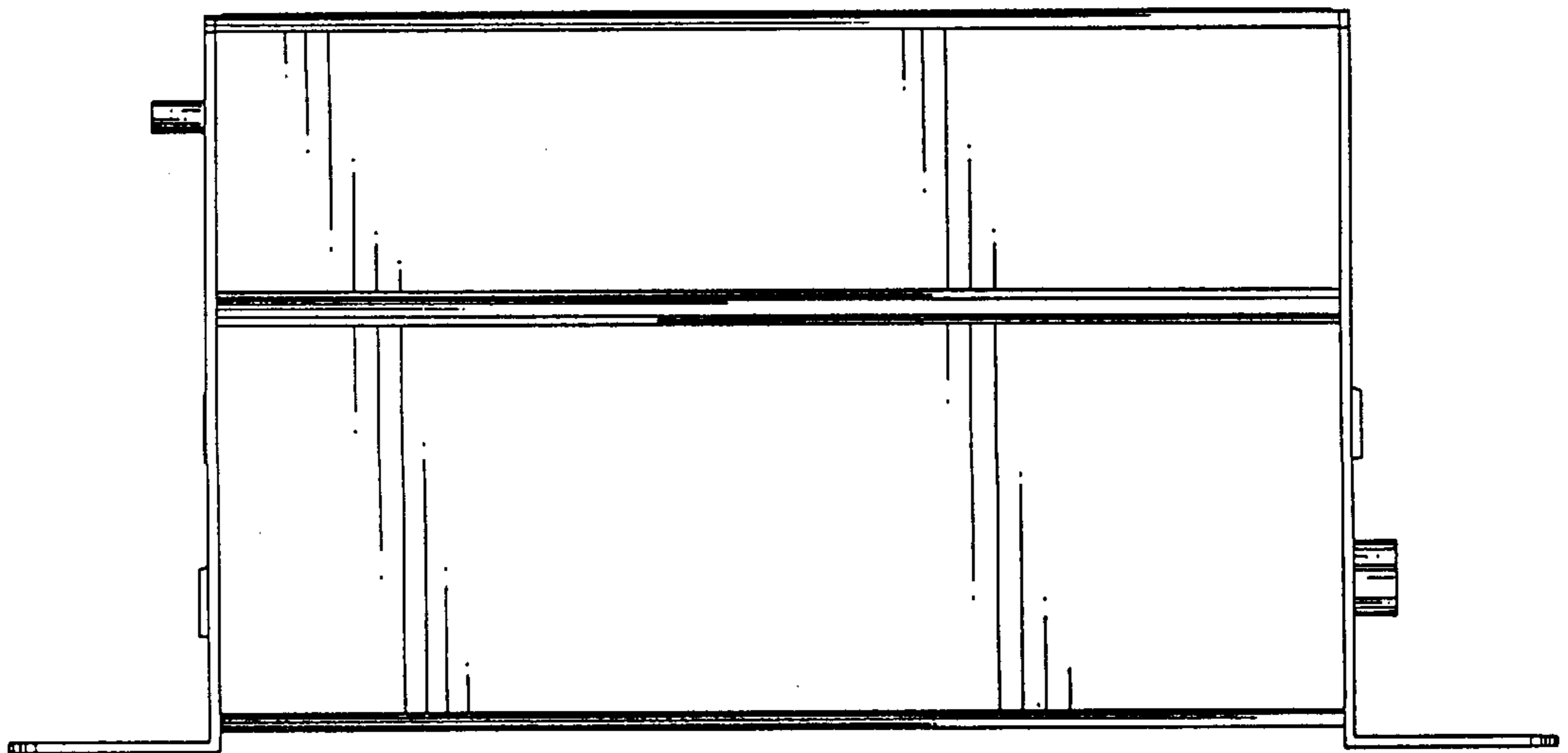


Fig. 2



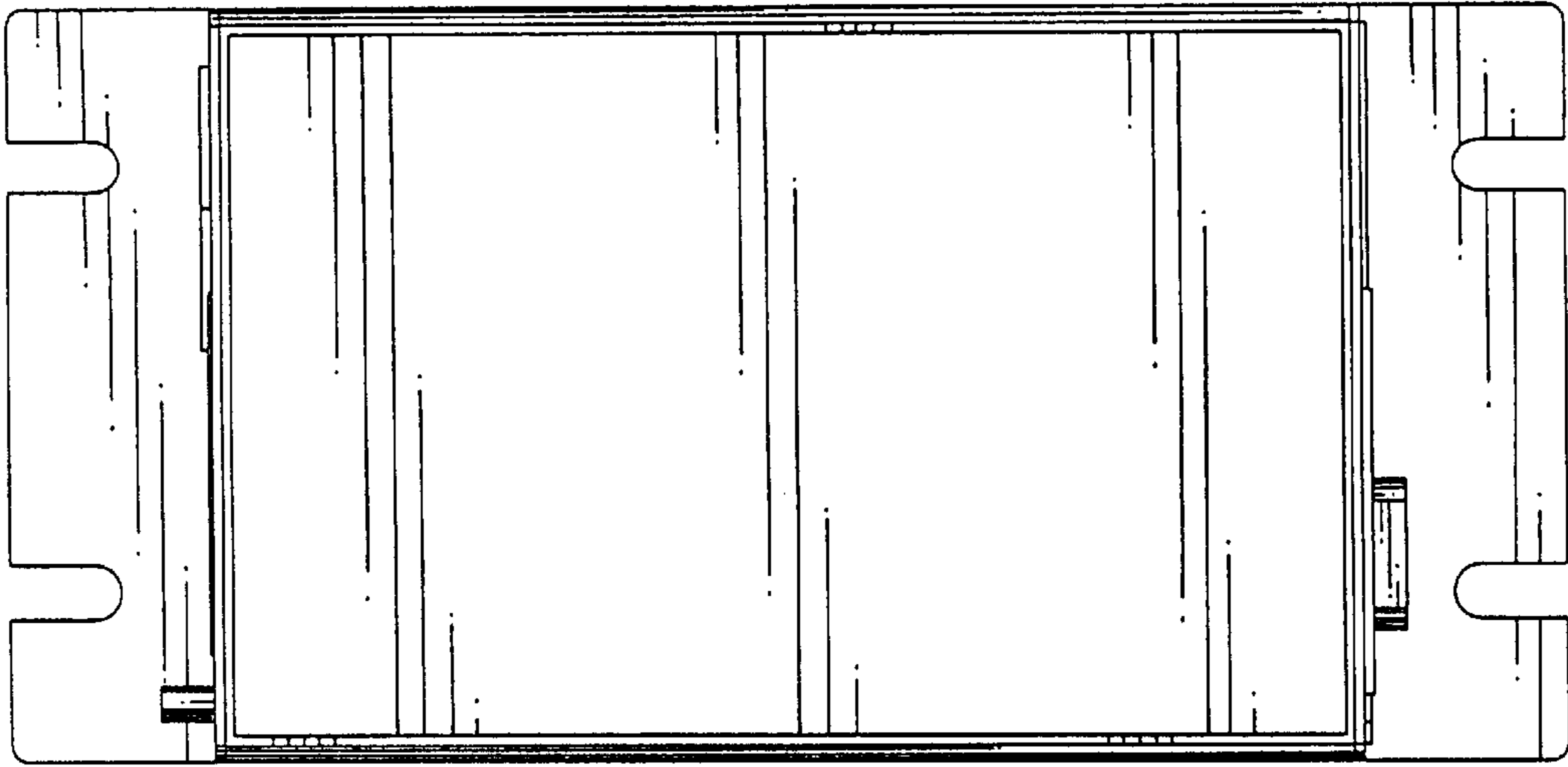


Fig. 3

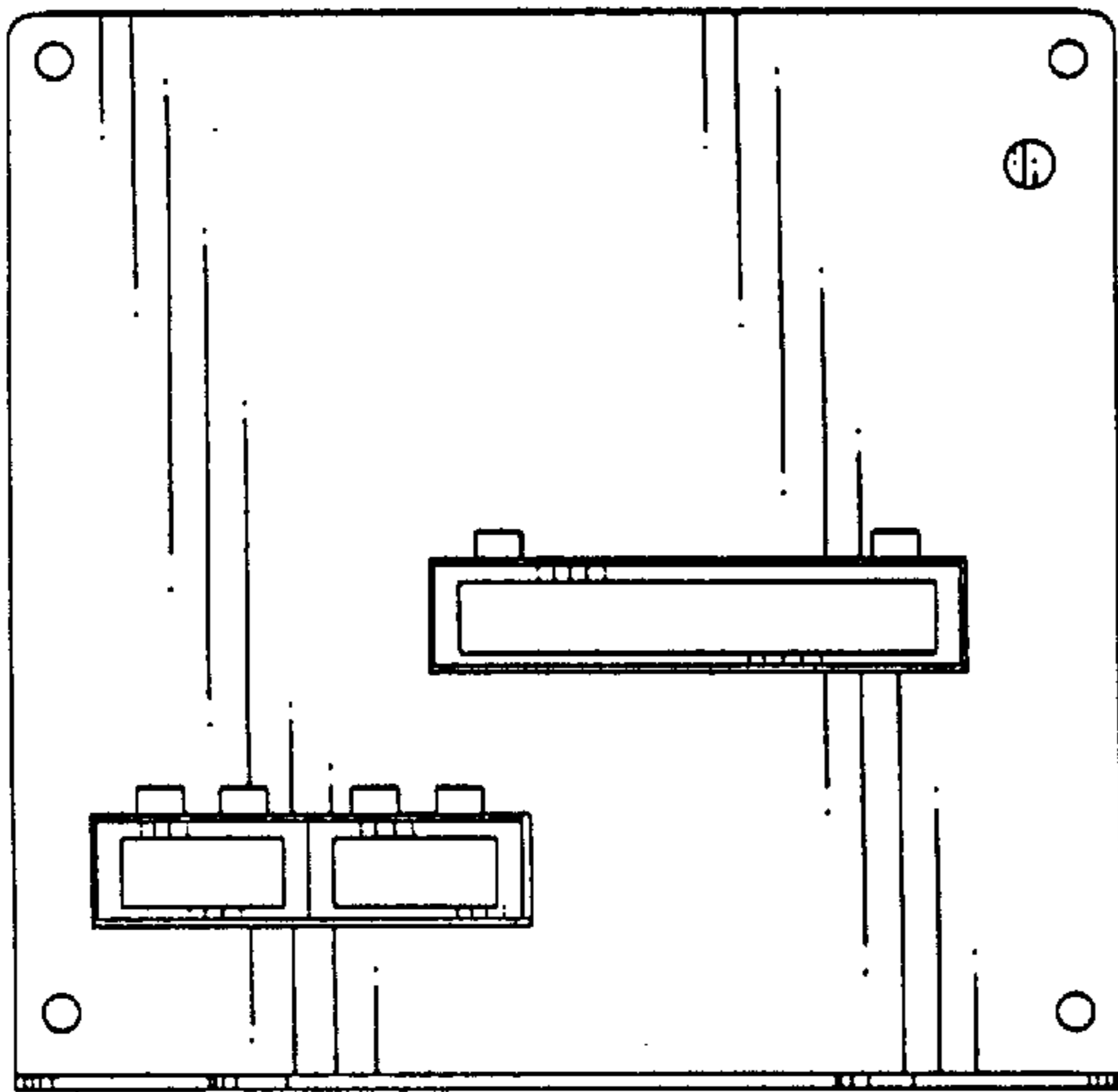


Fig. 4

Fig. 5

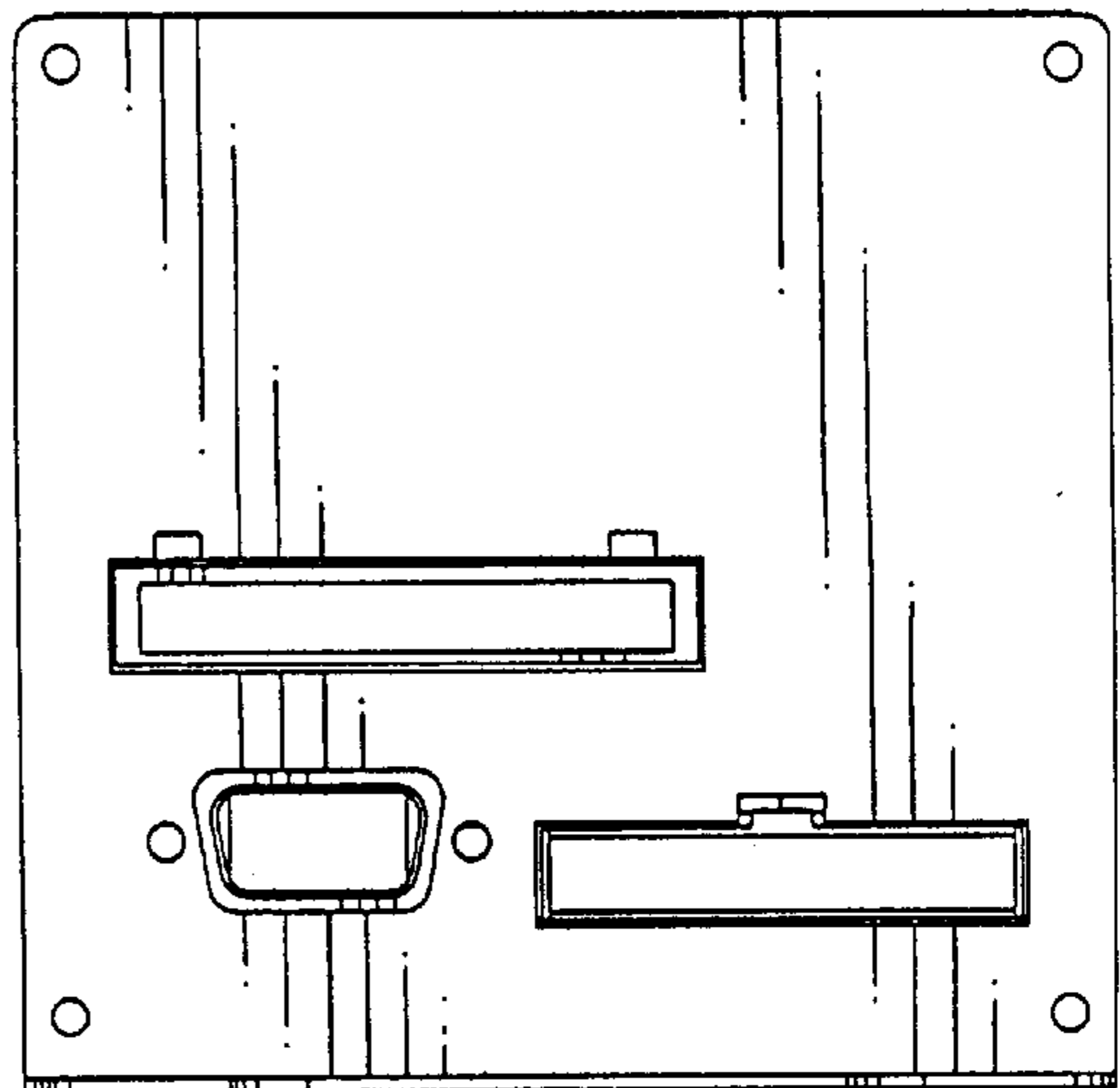


Fig. 6

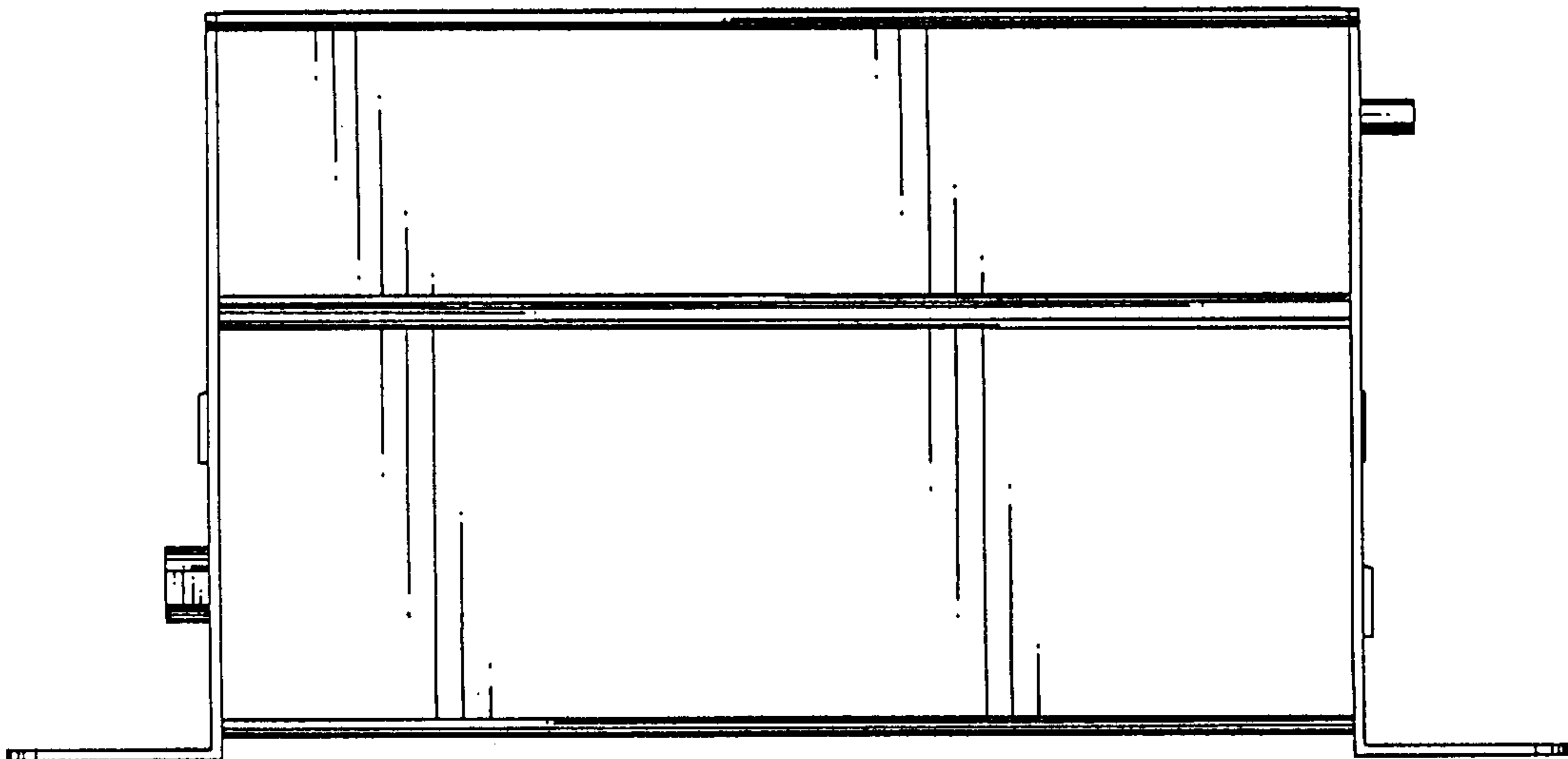
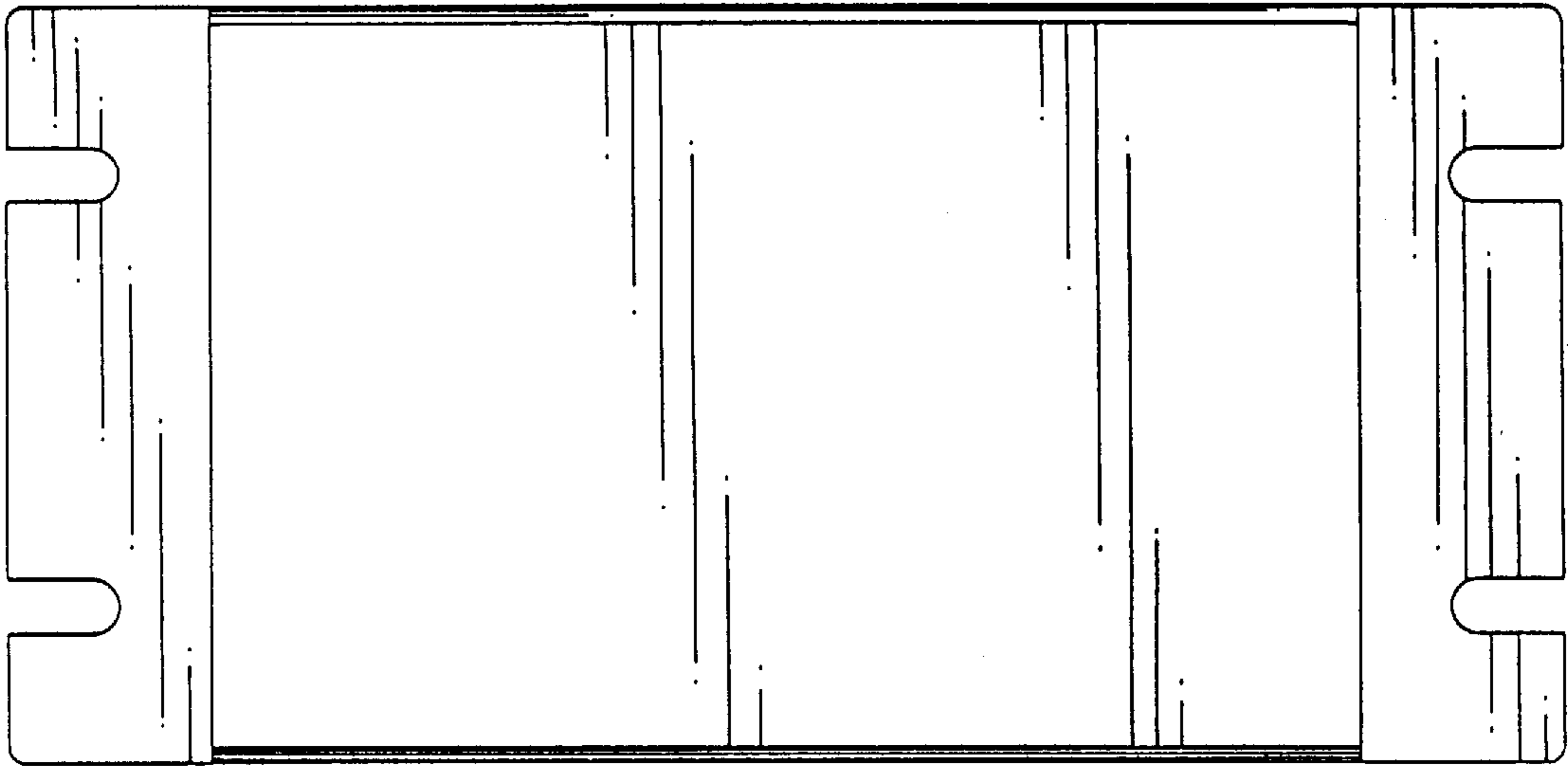


Fig. 7

Fig. 8

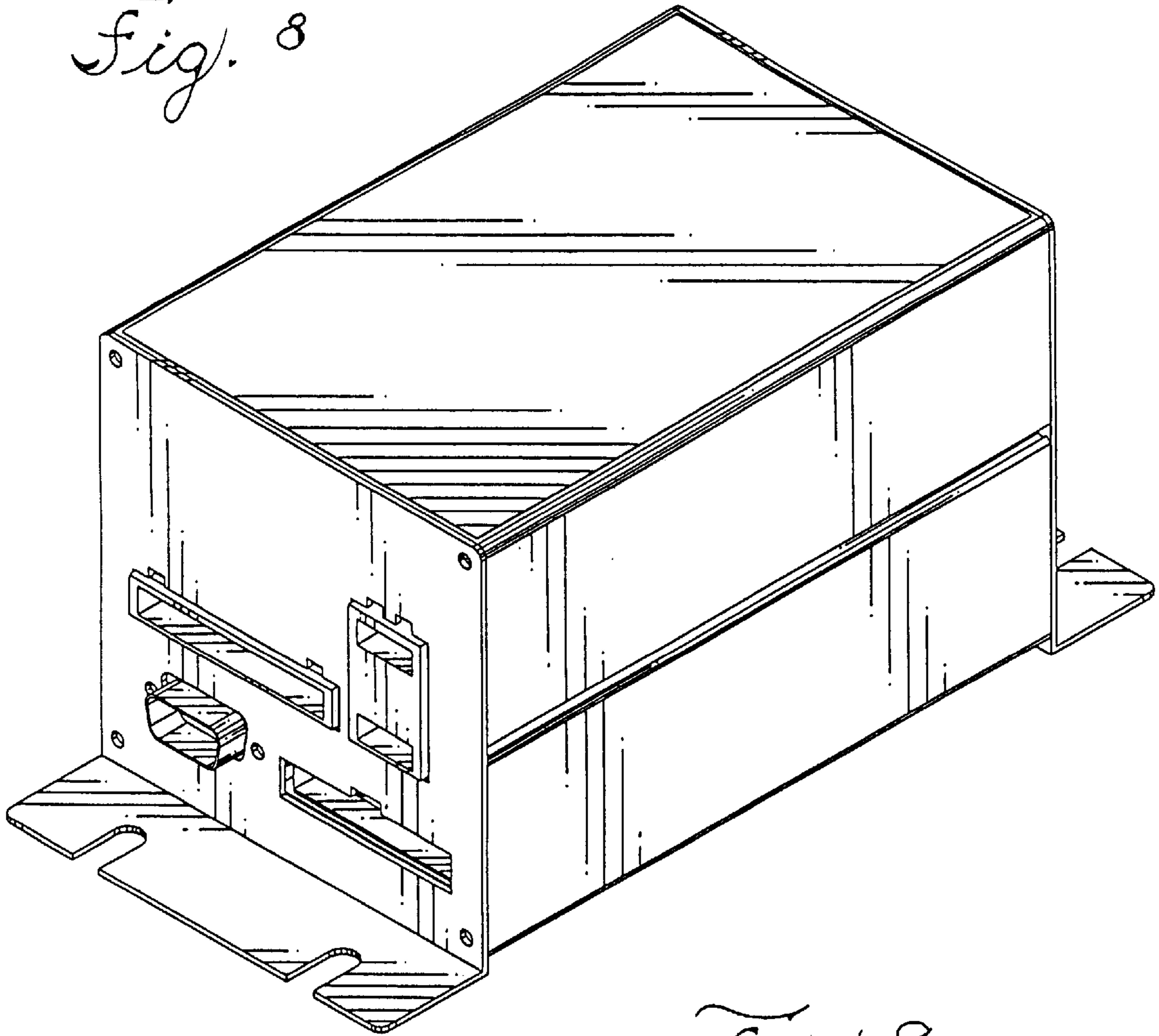


Fig. 9

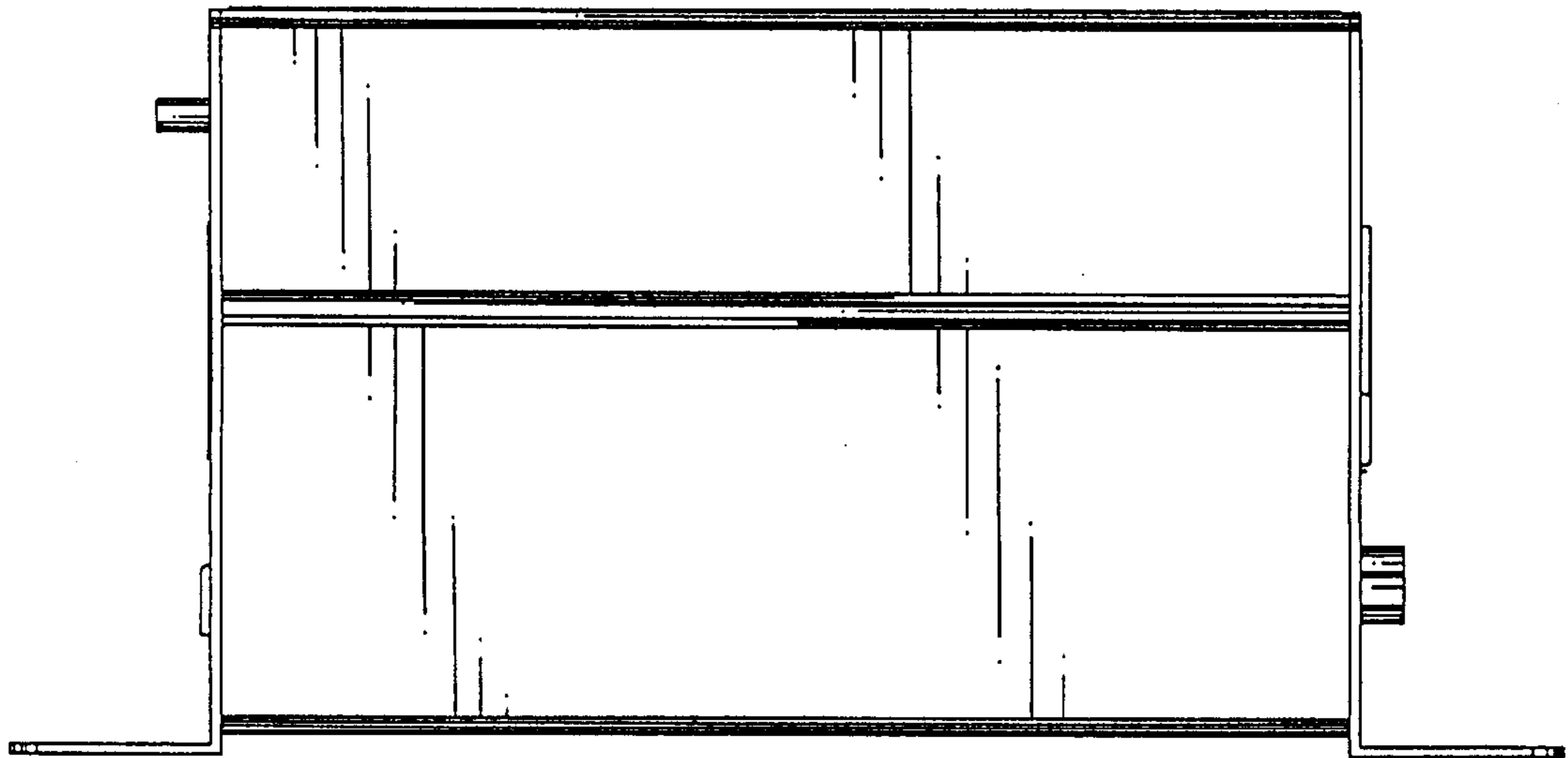




Fig. 10

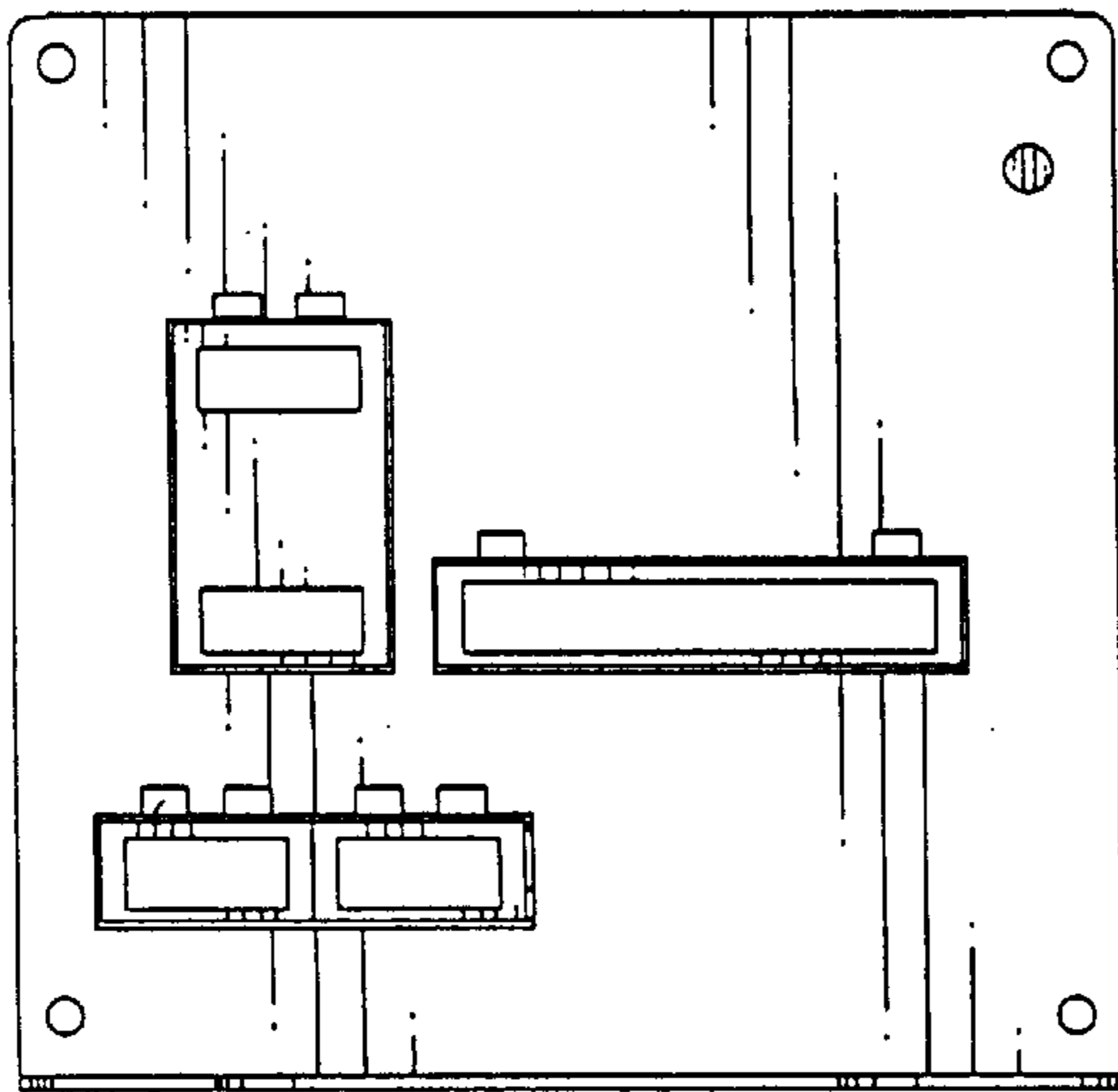


Fig. 11

Fig. 12

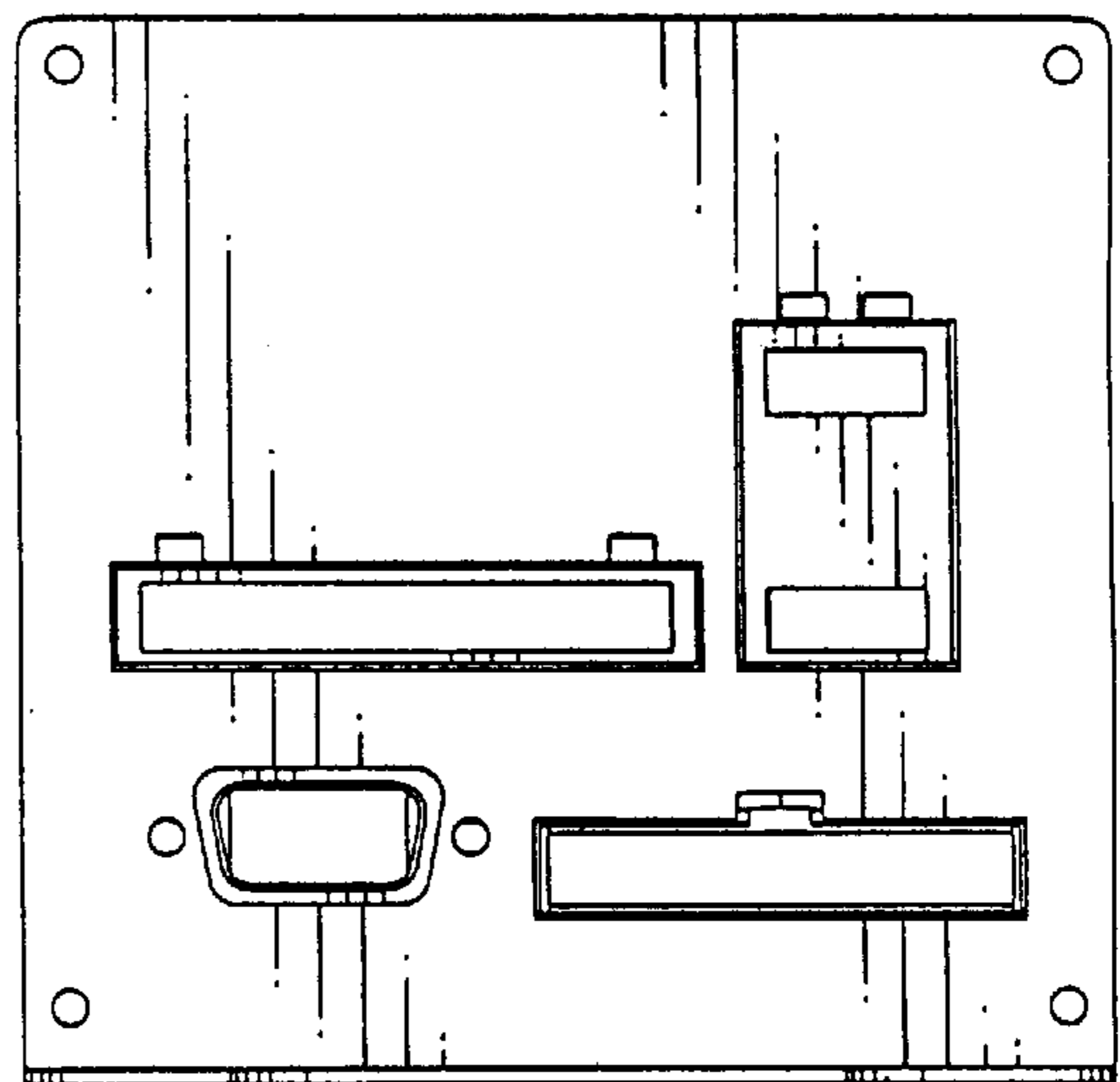


Fig. 13

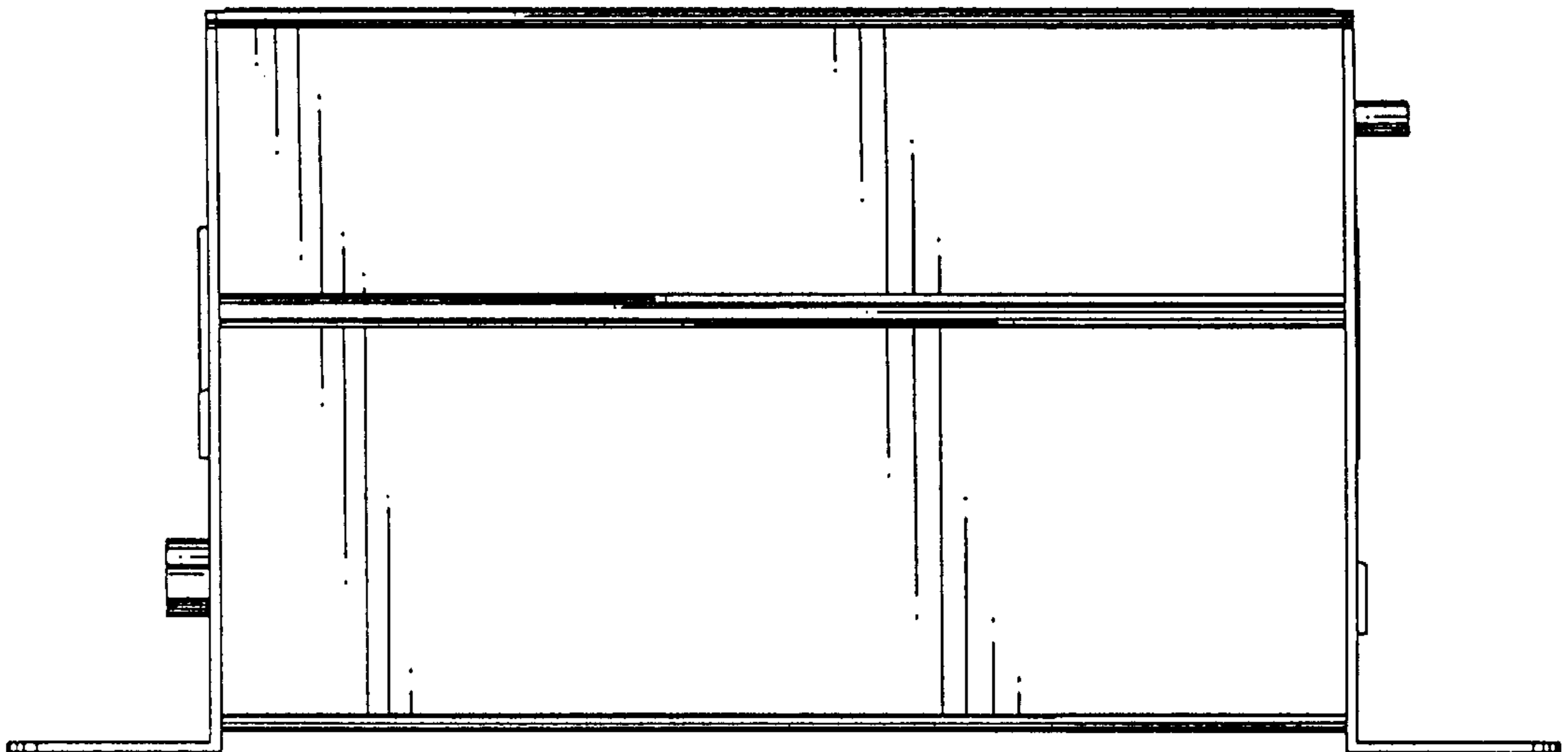
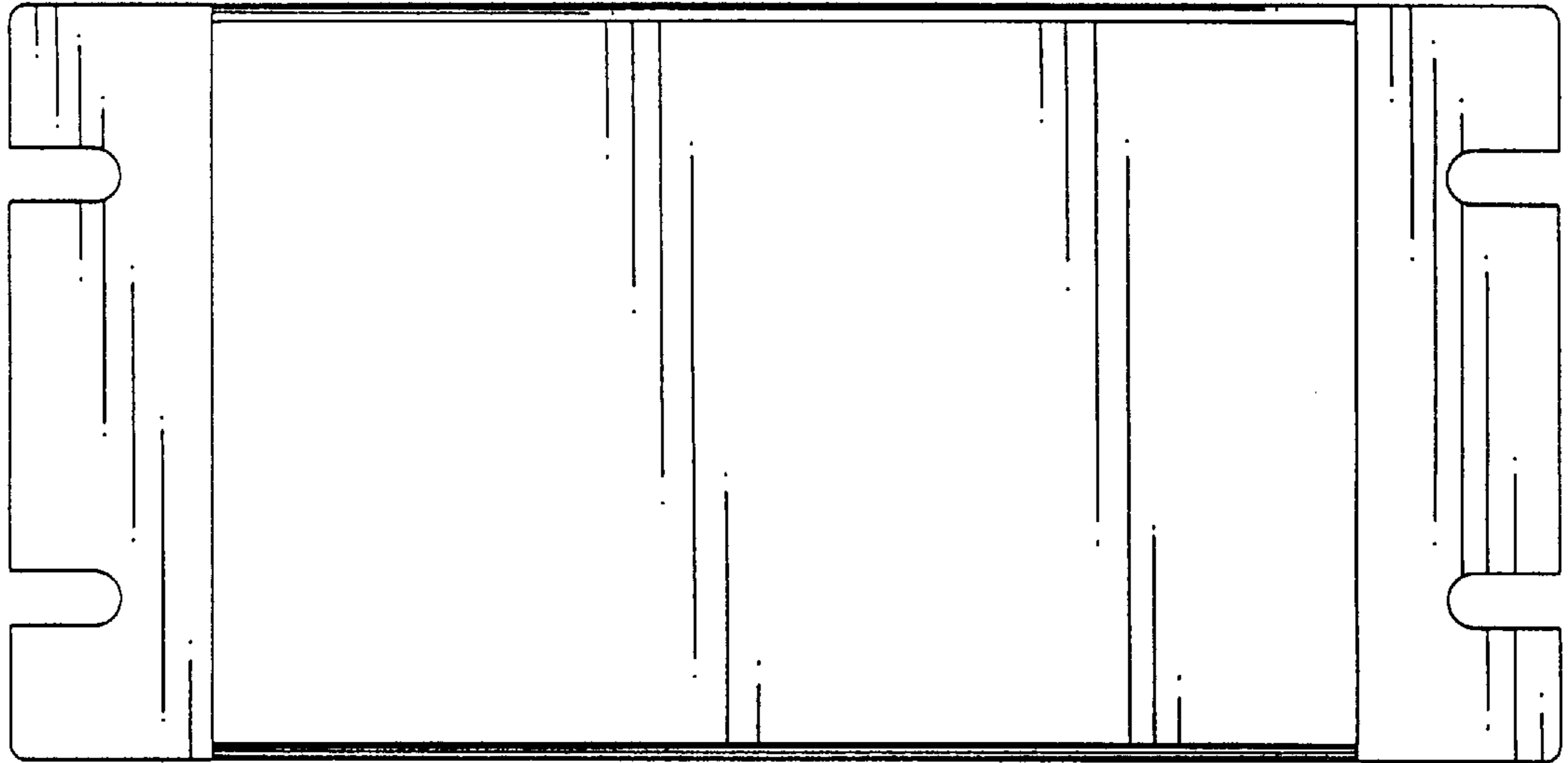


Fig. 14

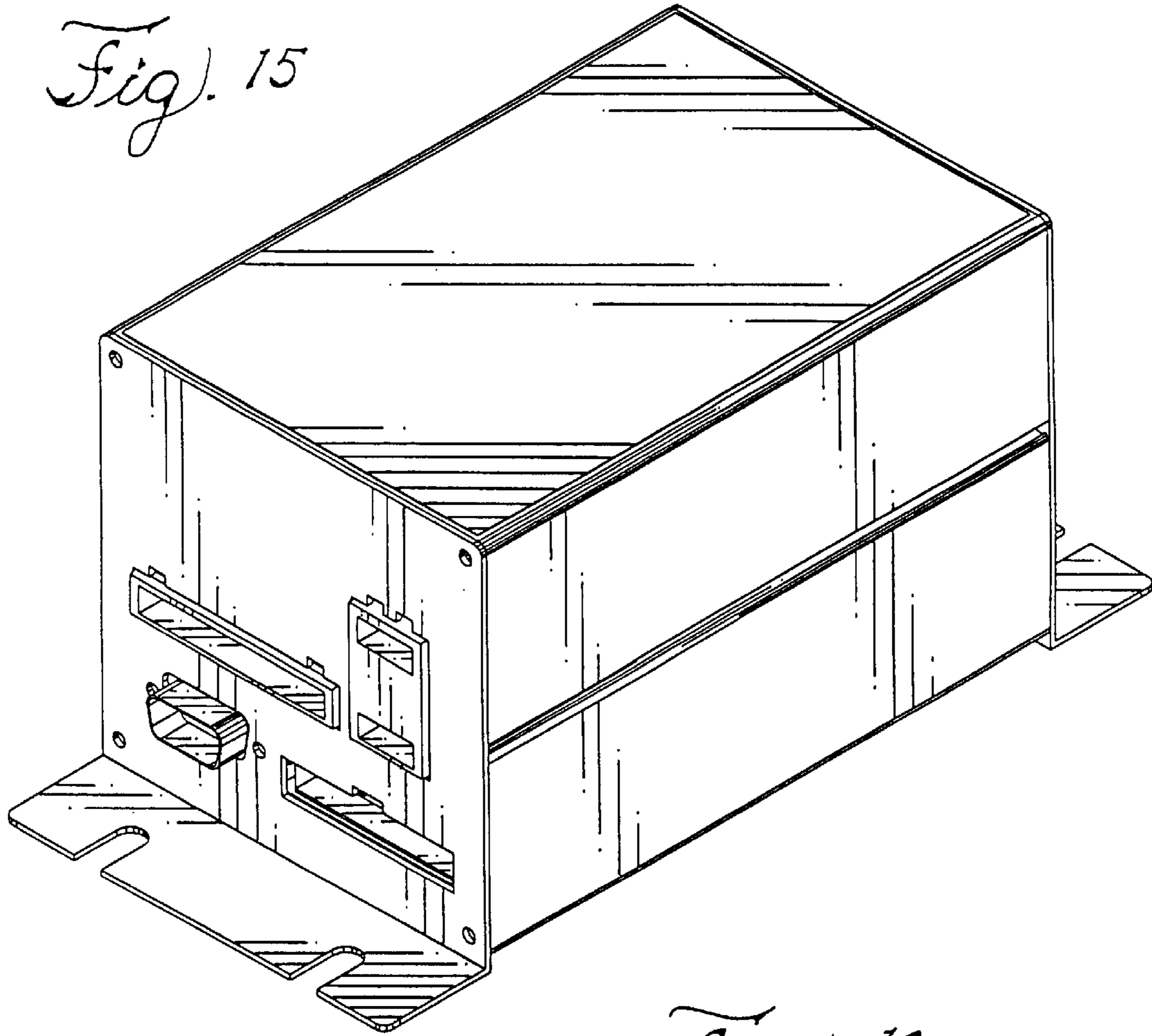
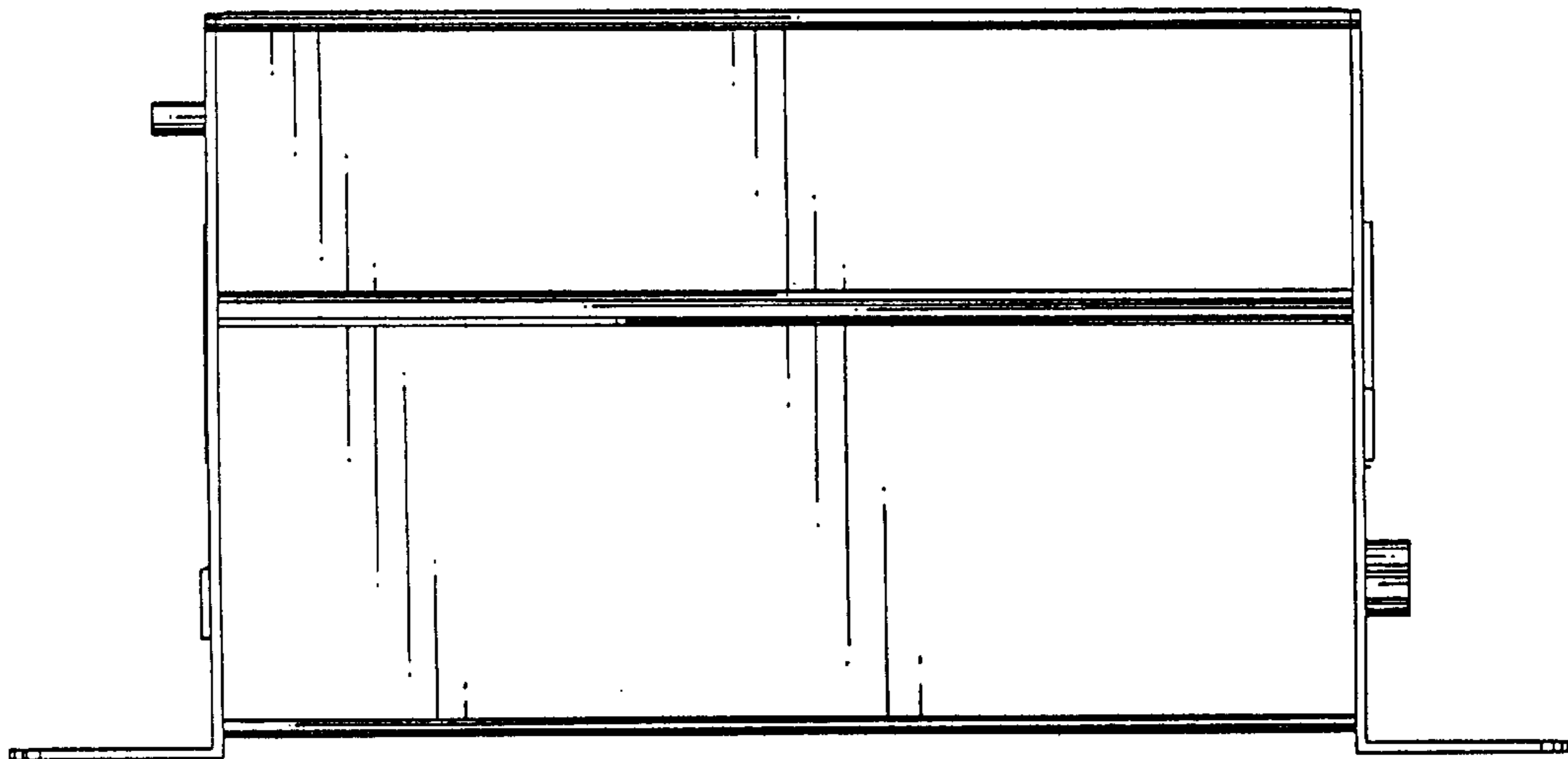


Fig. 16



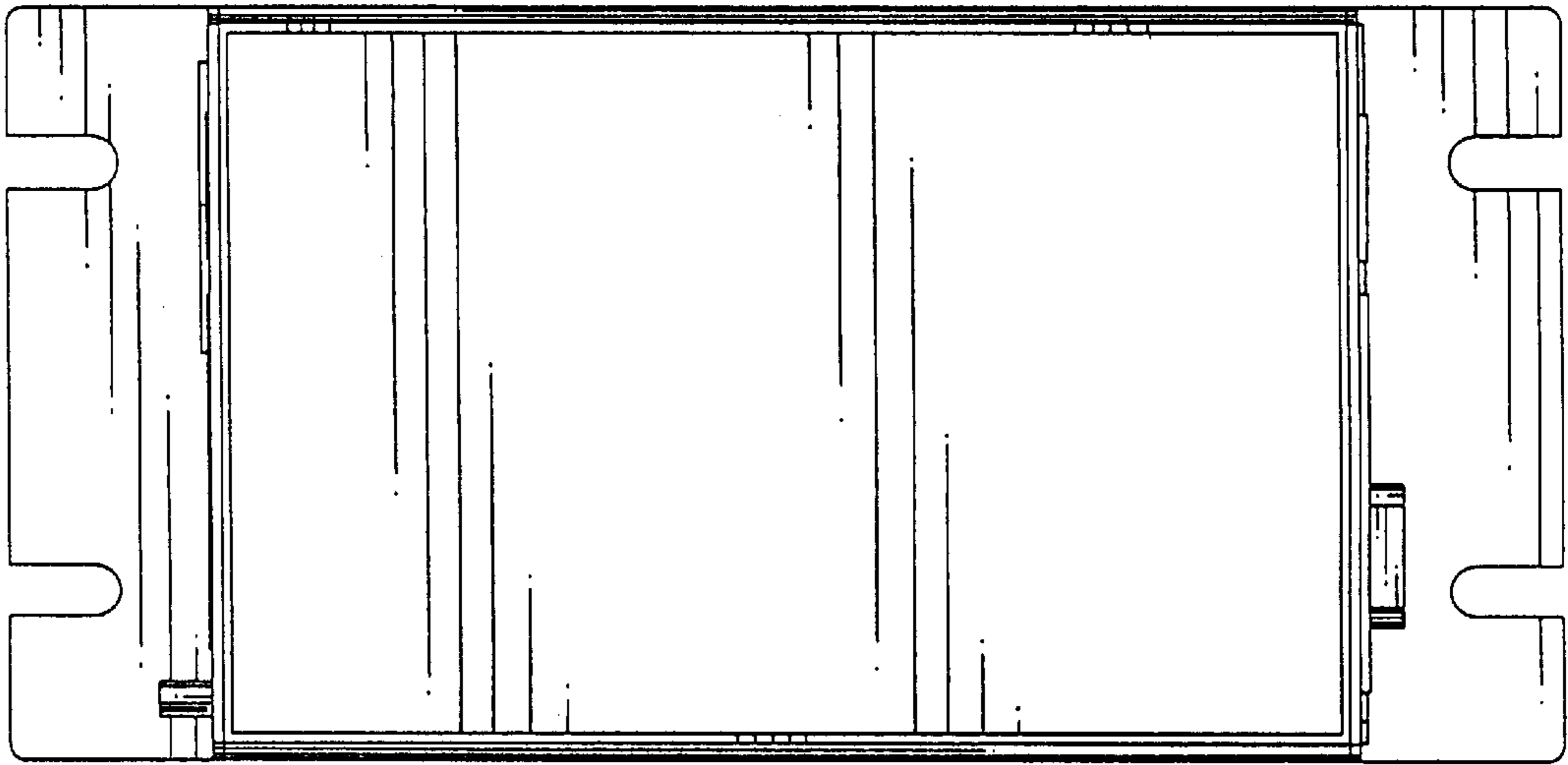


Fig. 17

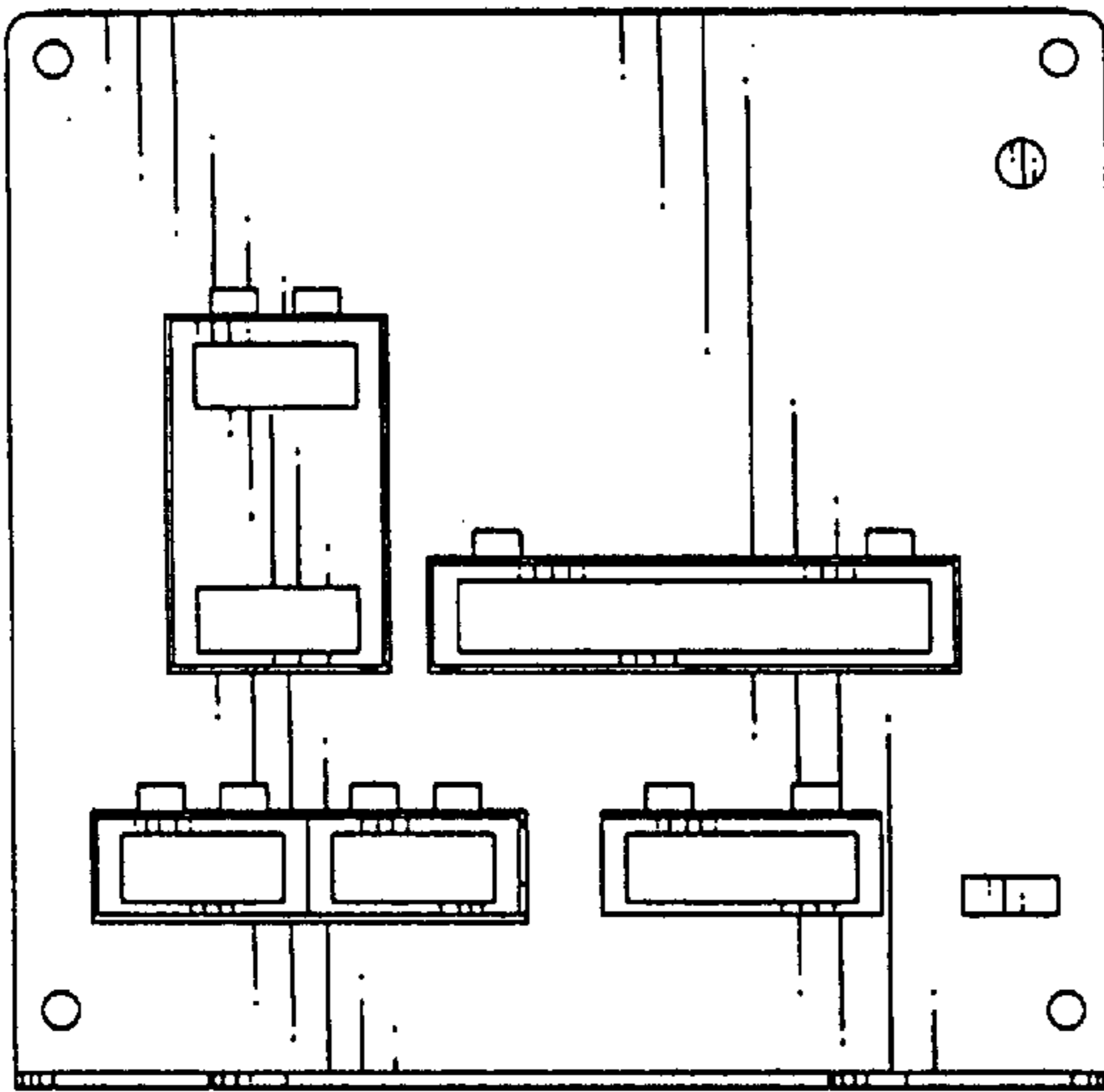


Fig. 18

Fig. 19

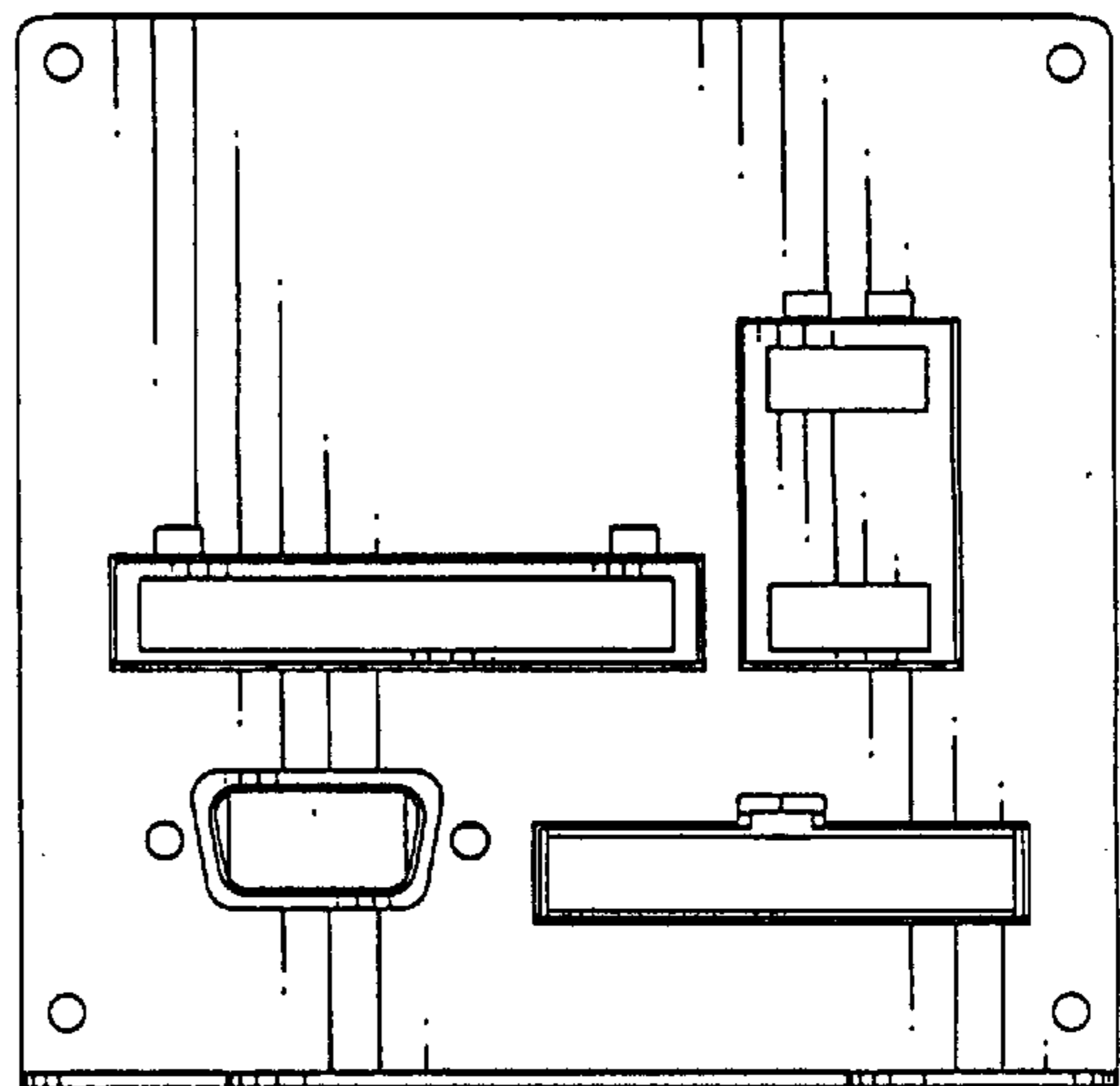


Fig. 20

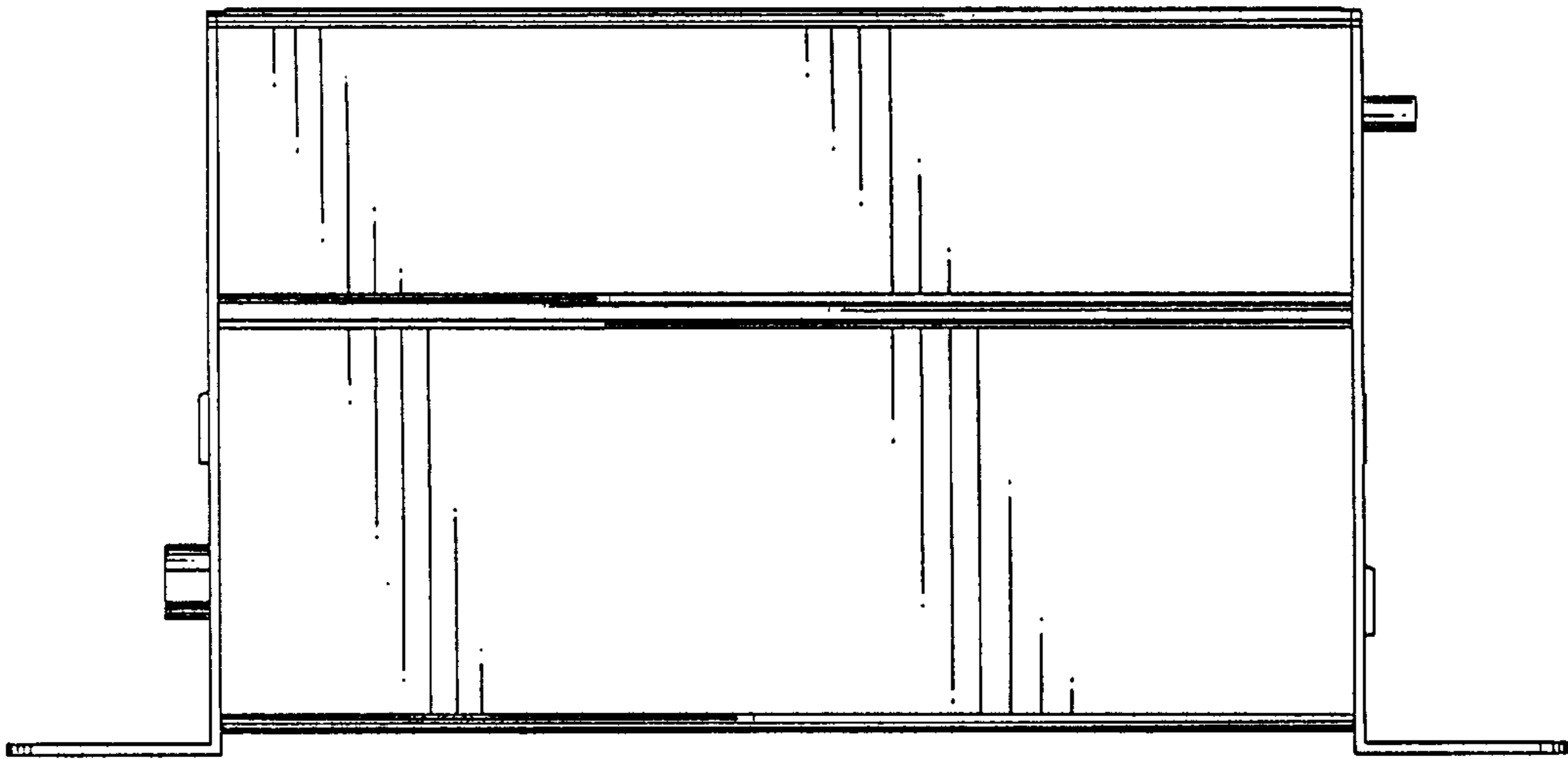
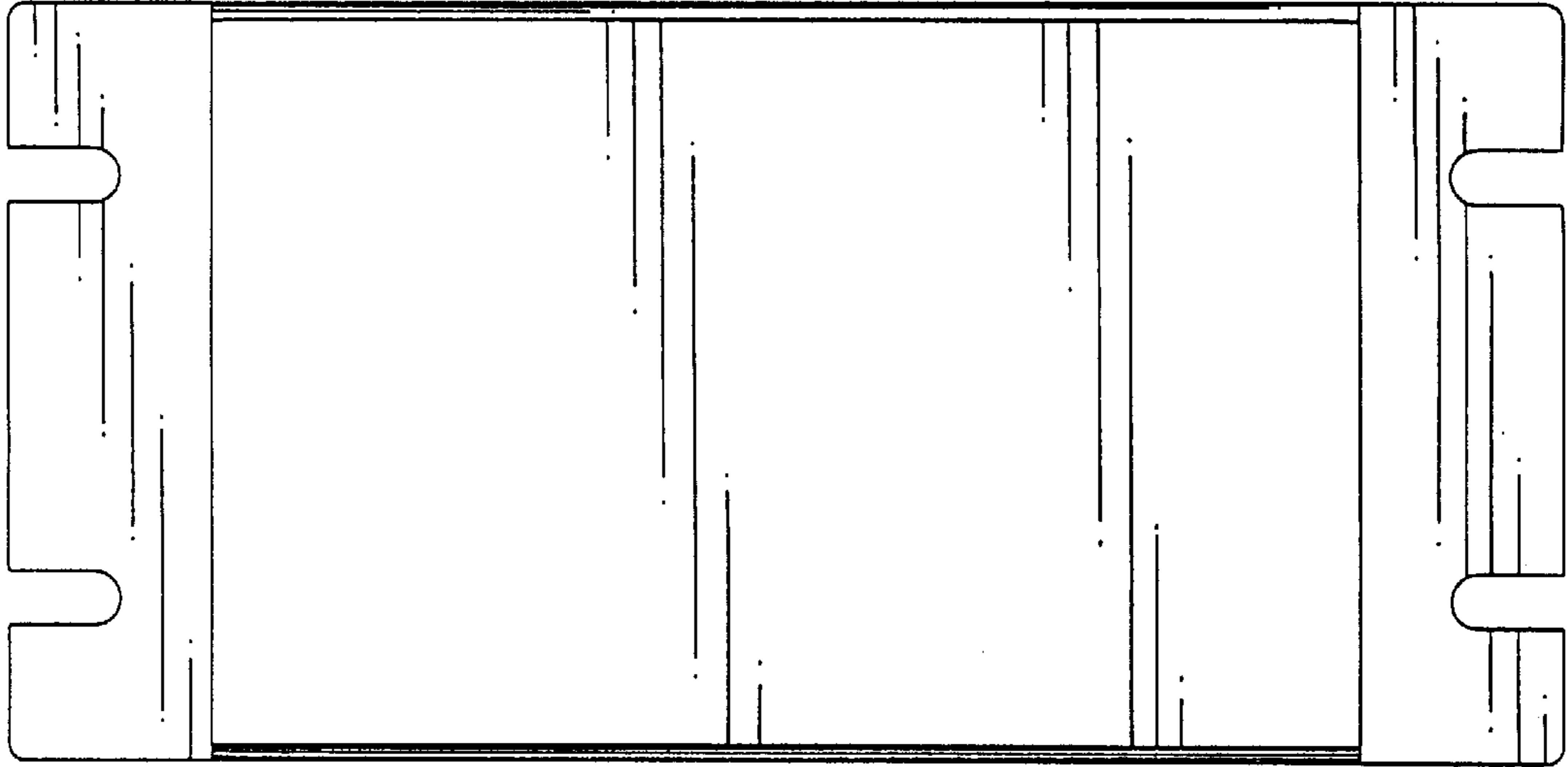


Fig. 21

Fig. 22

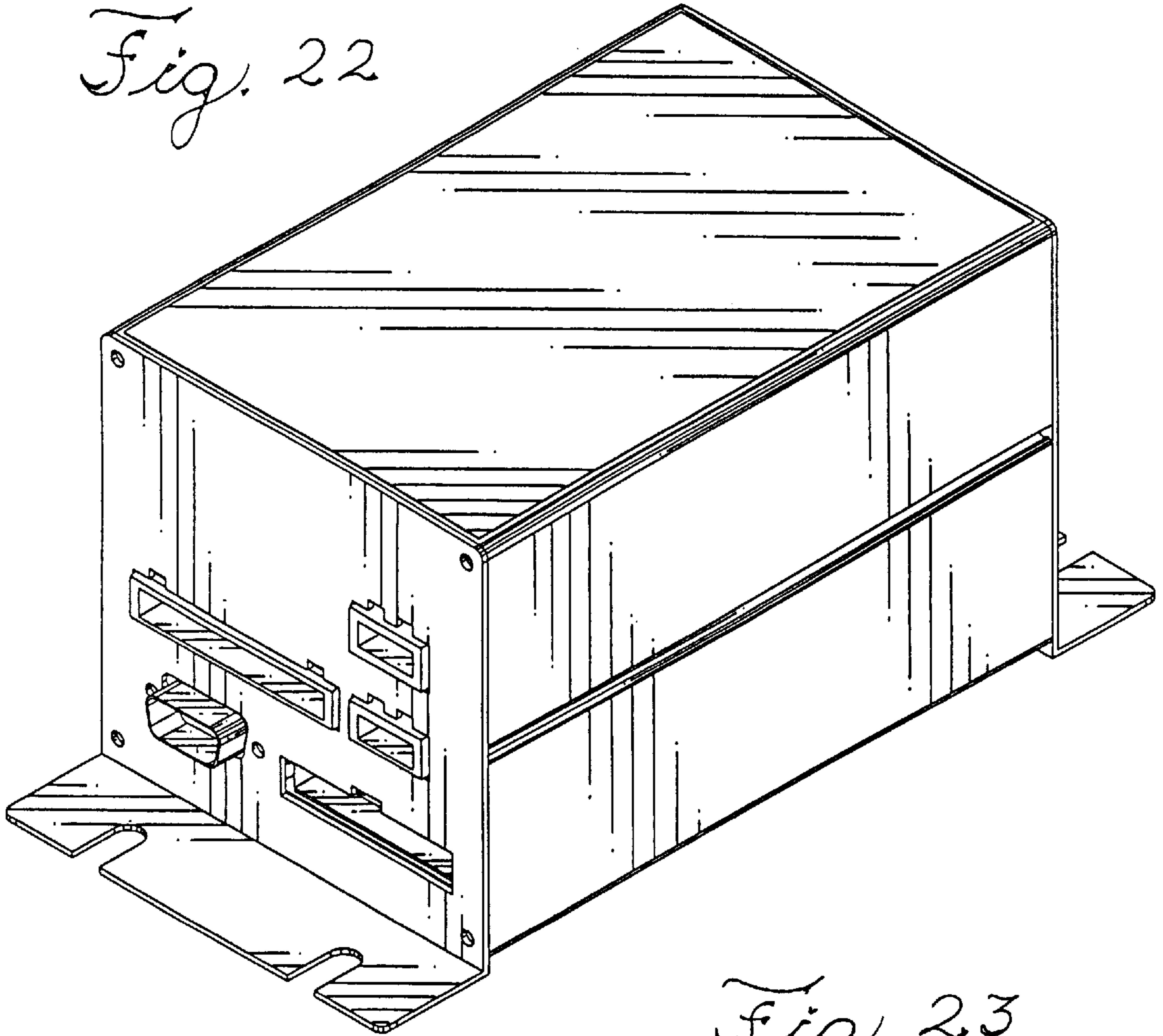
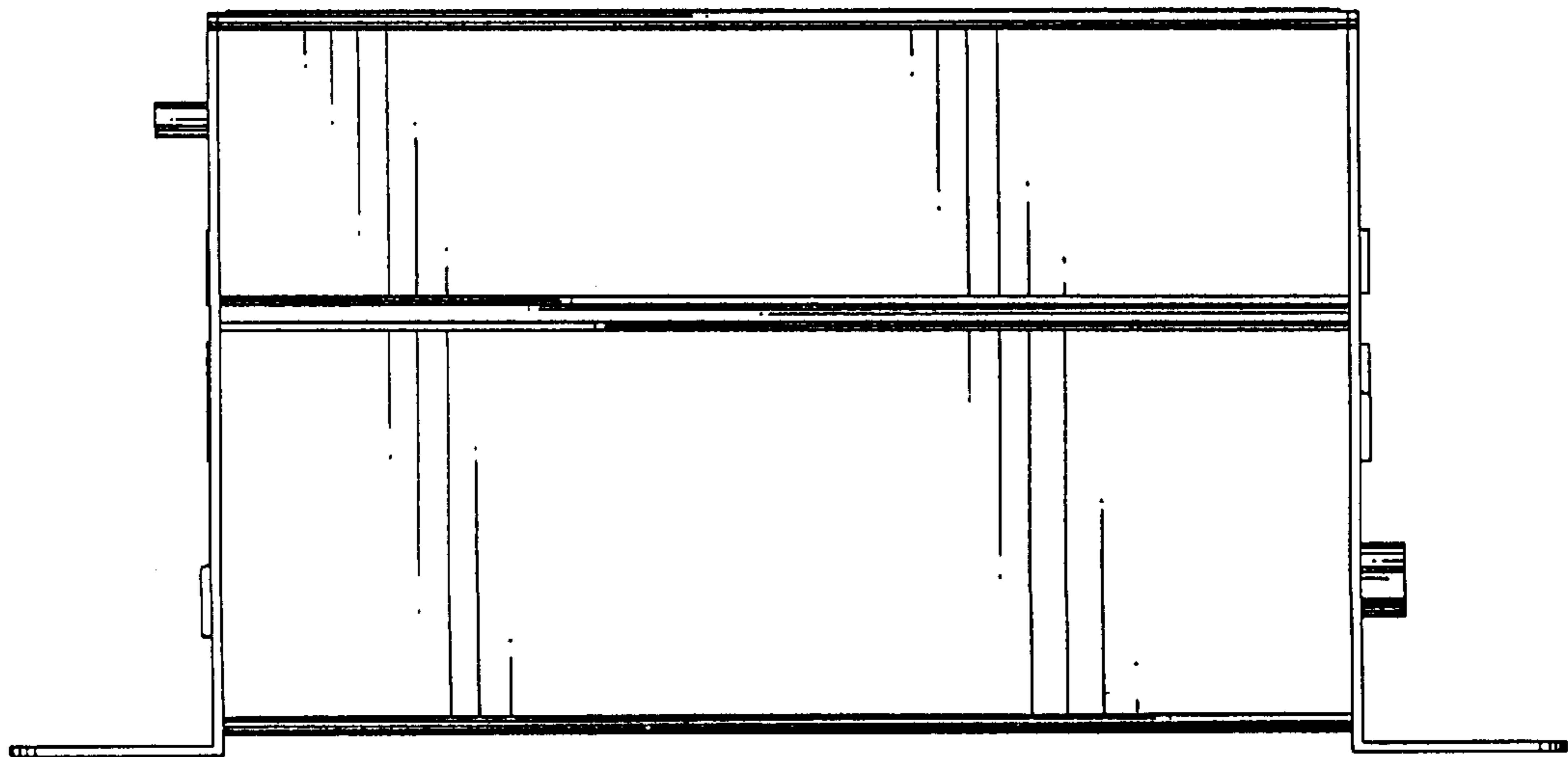


Fig. 23



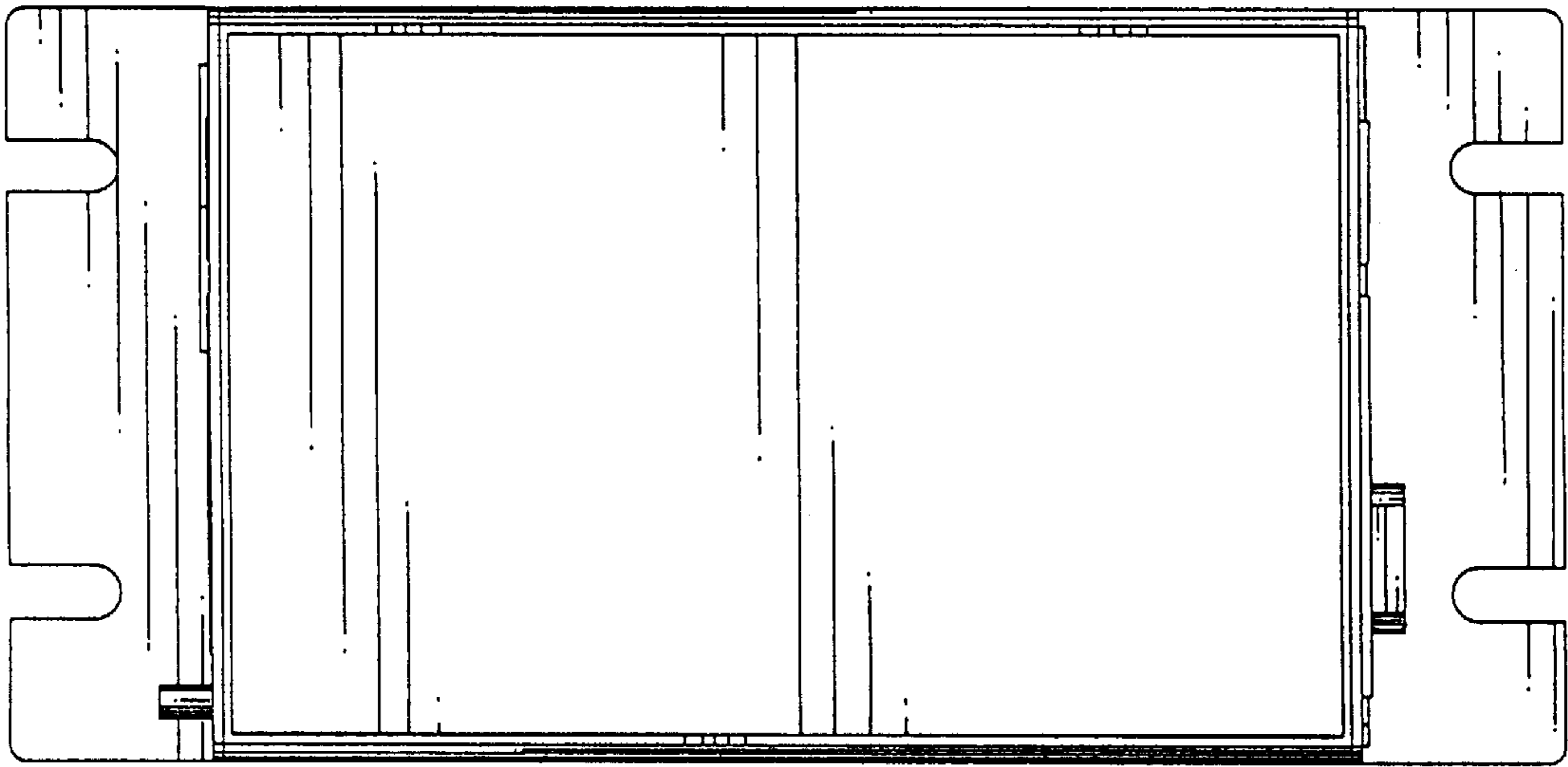


Fig. 24

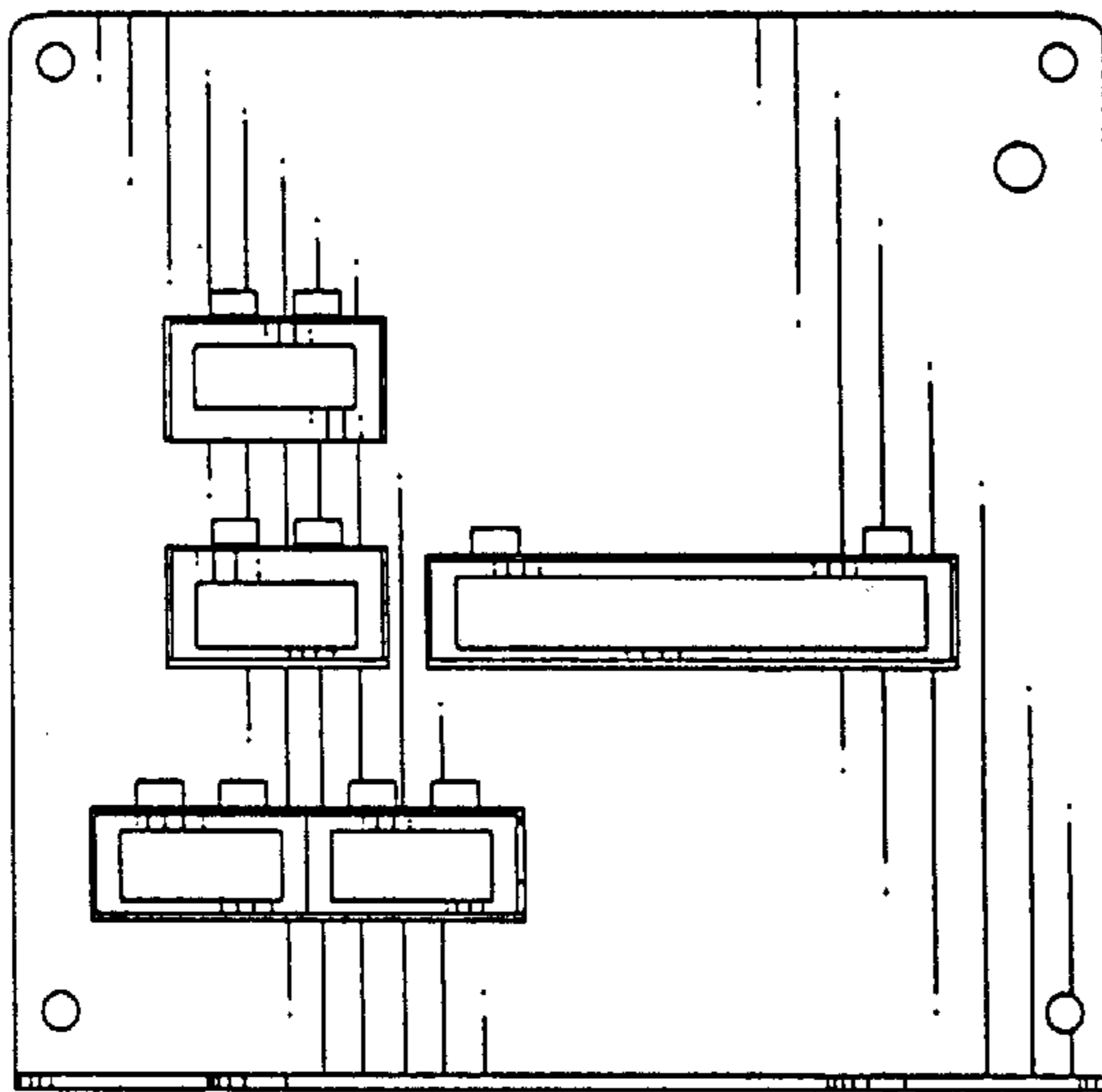


Fig. 25

Fig. 26

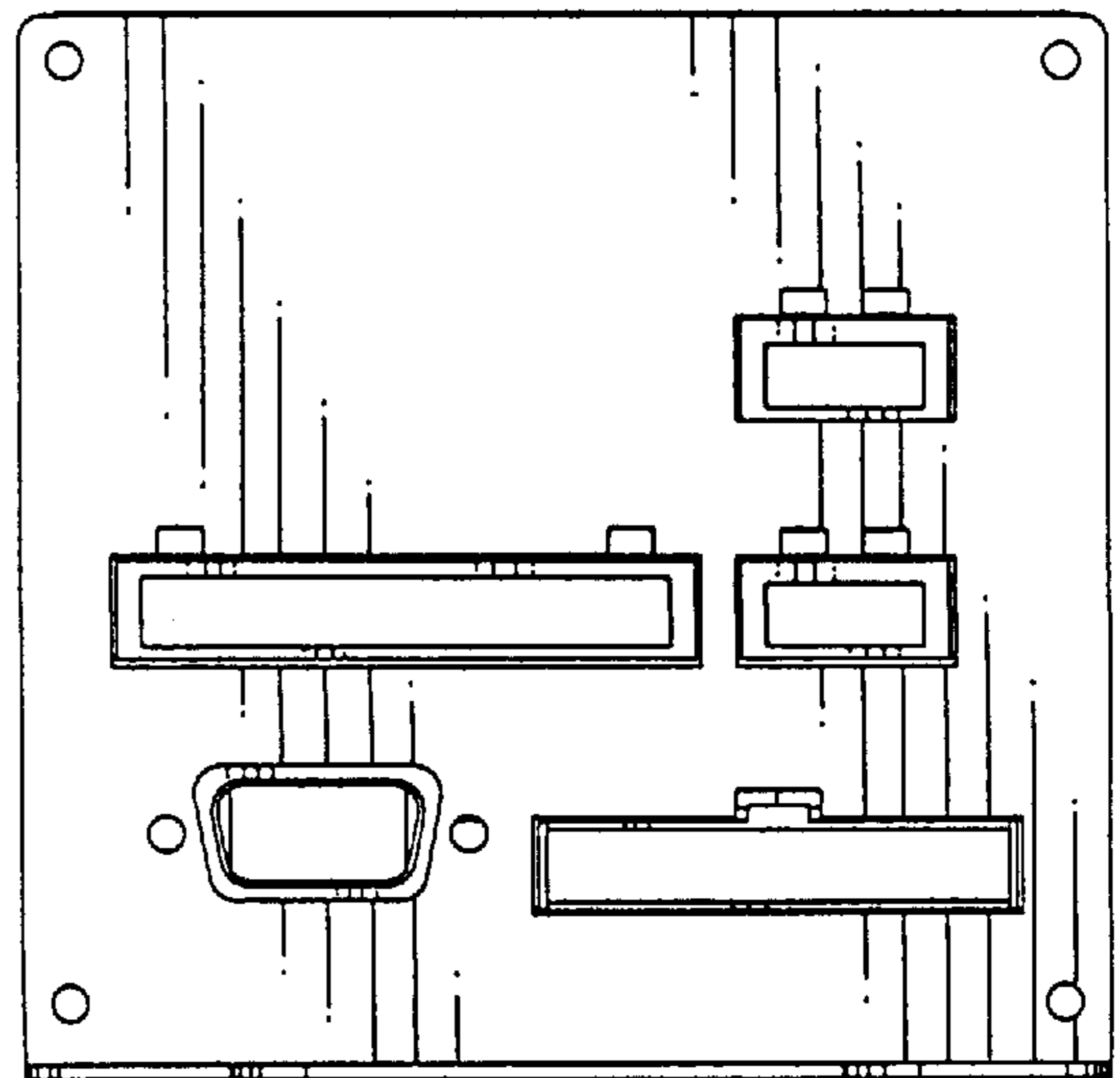


Fig. 27

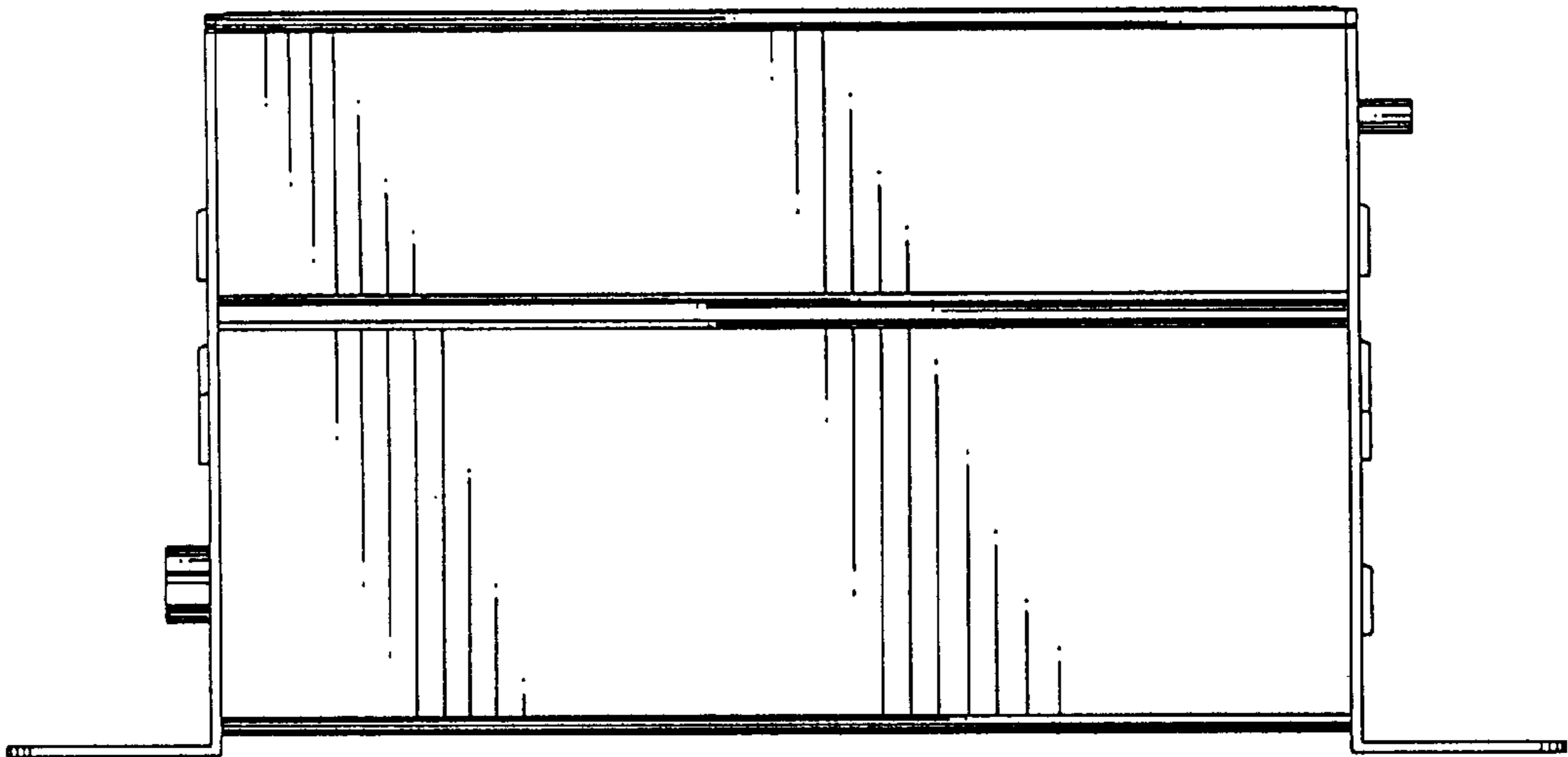
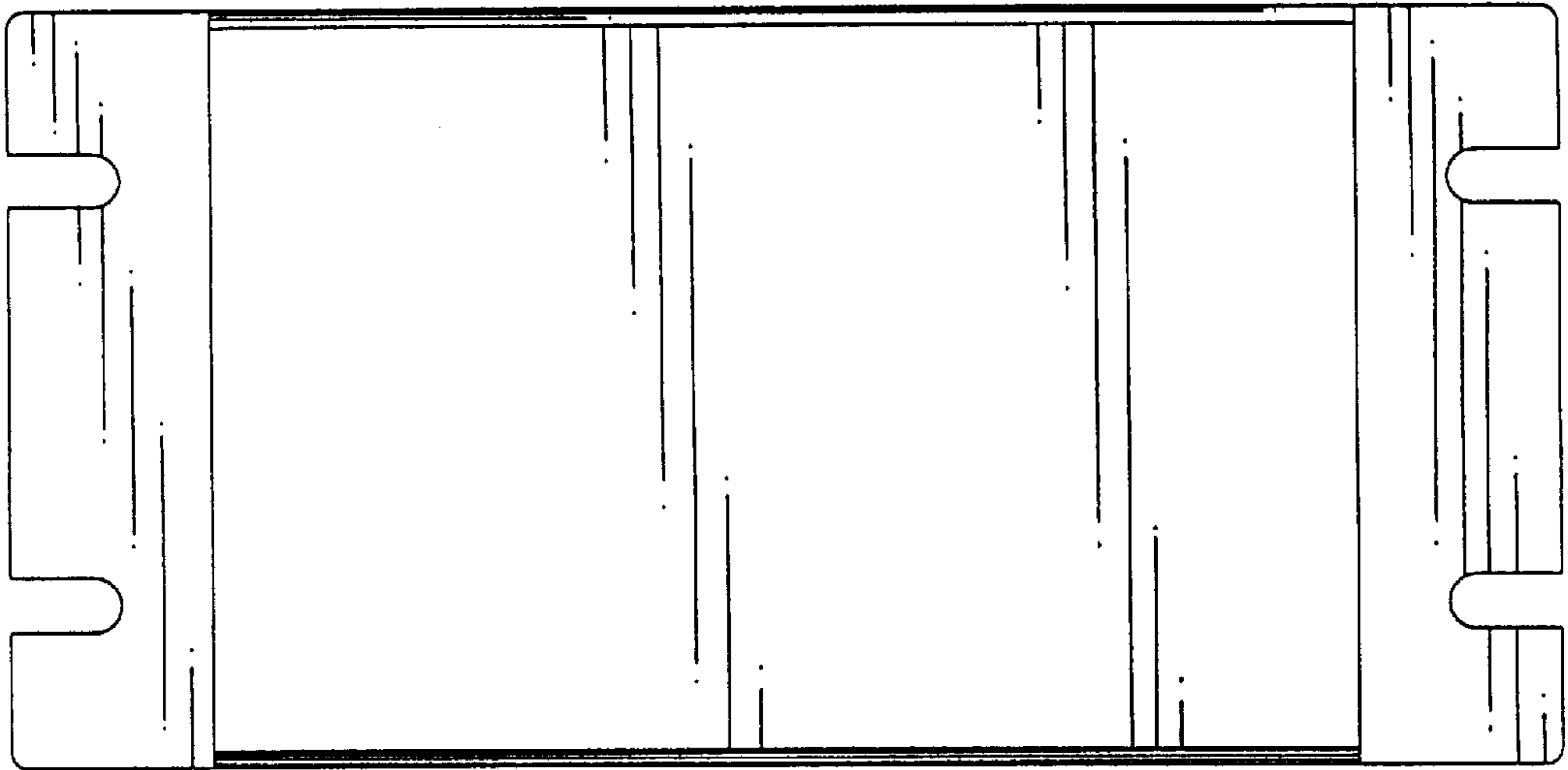


Fig. 28

Fig. 29

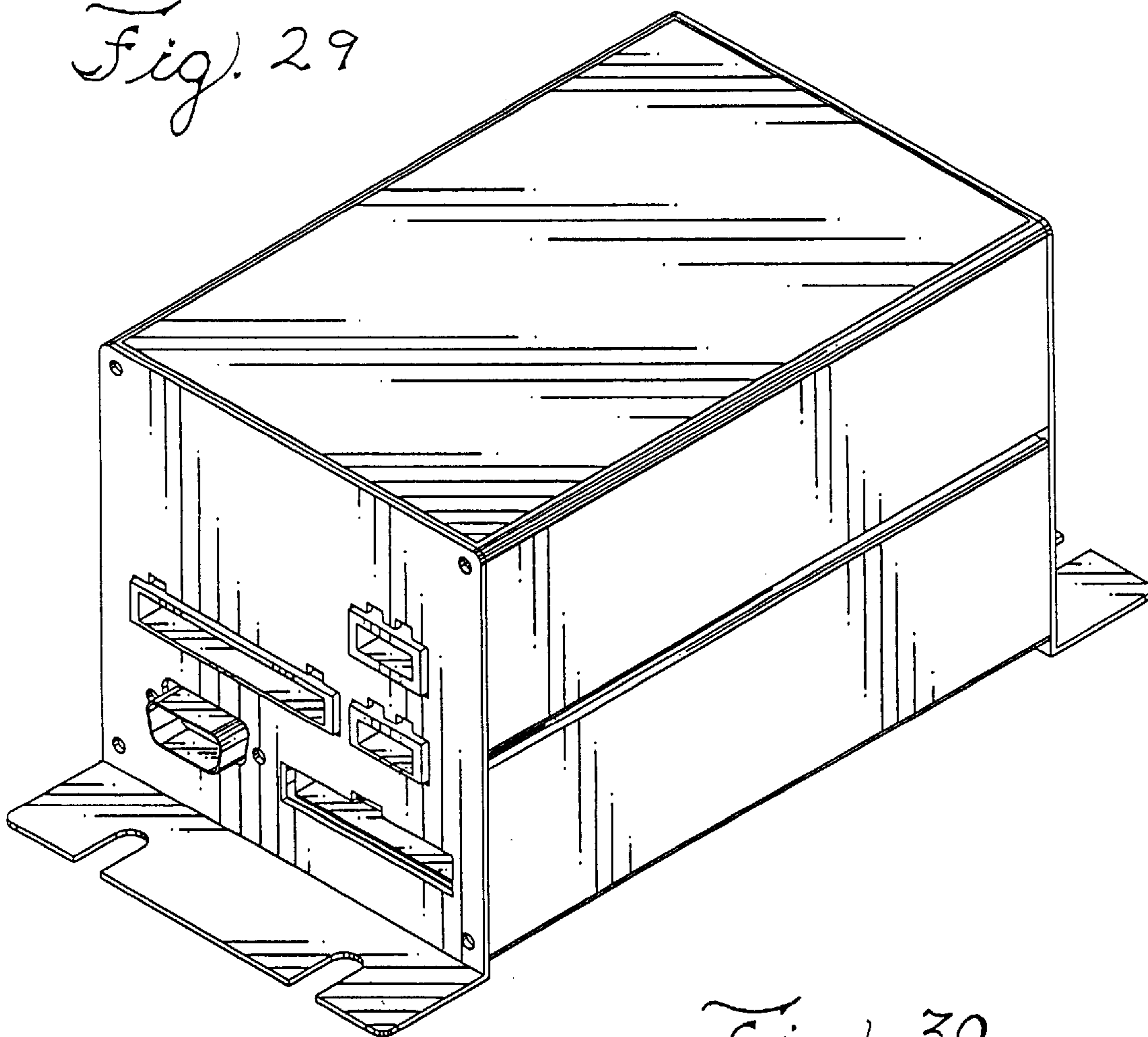
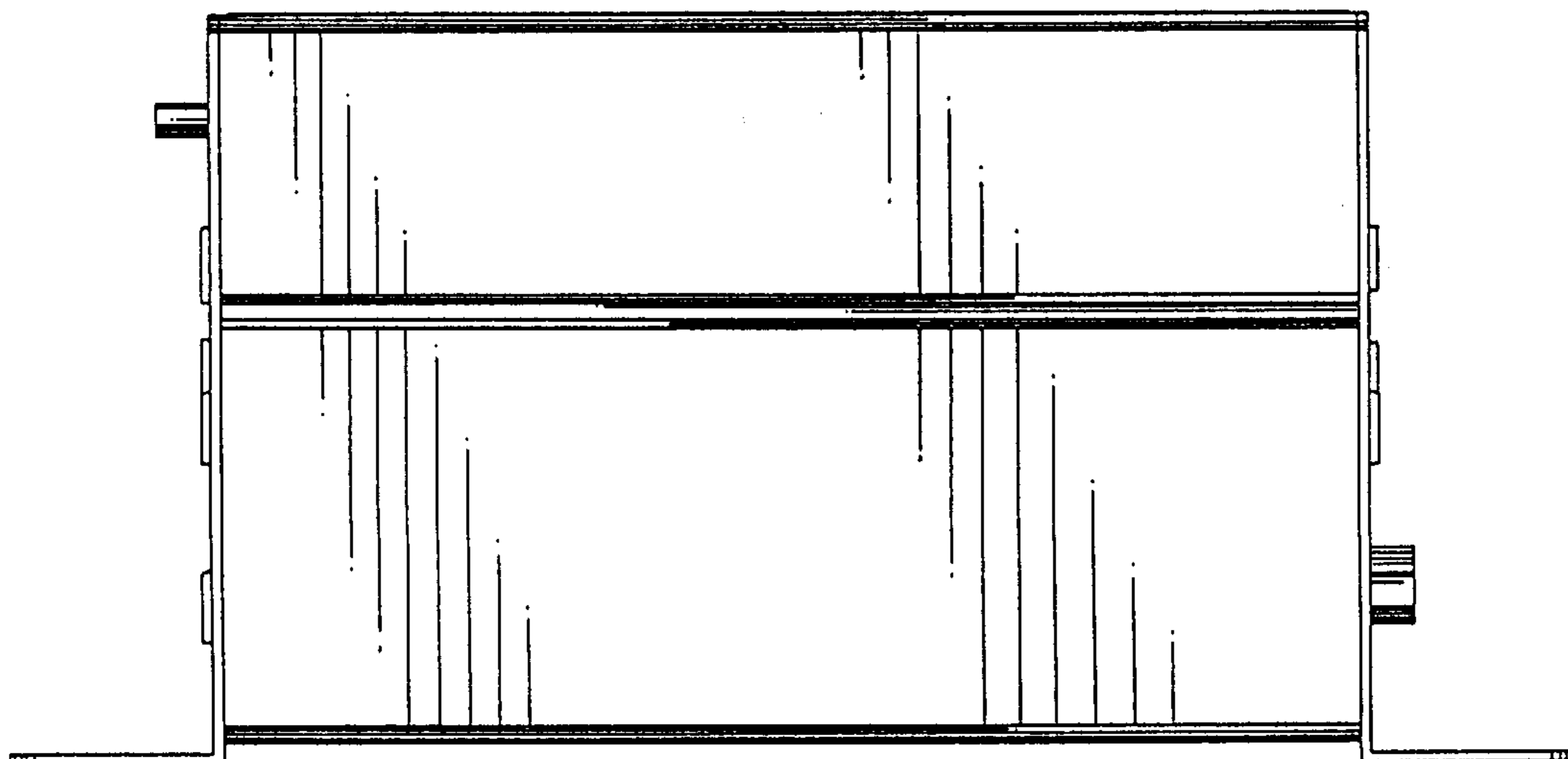


Fig. 30



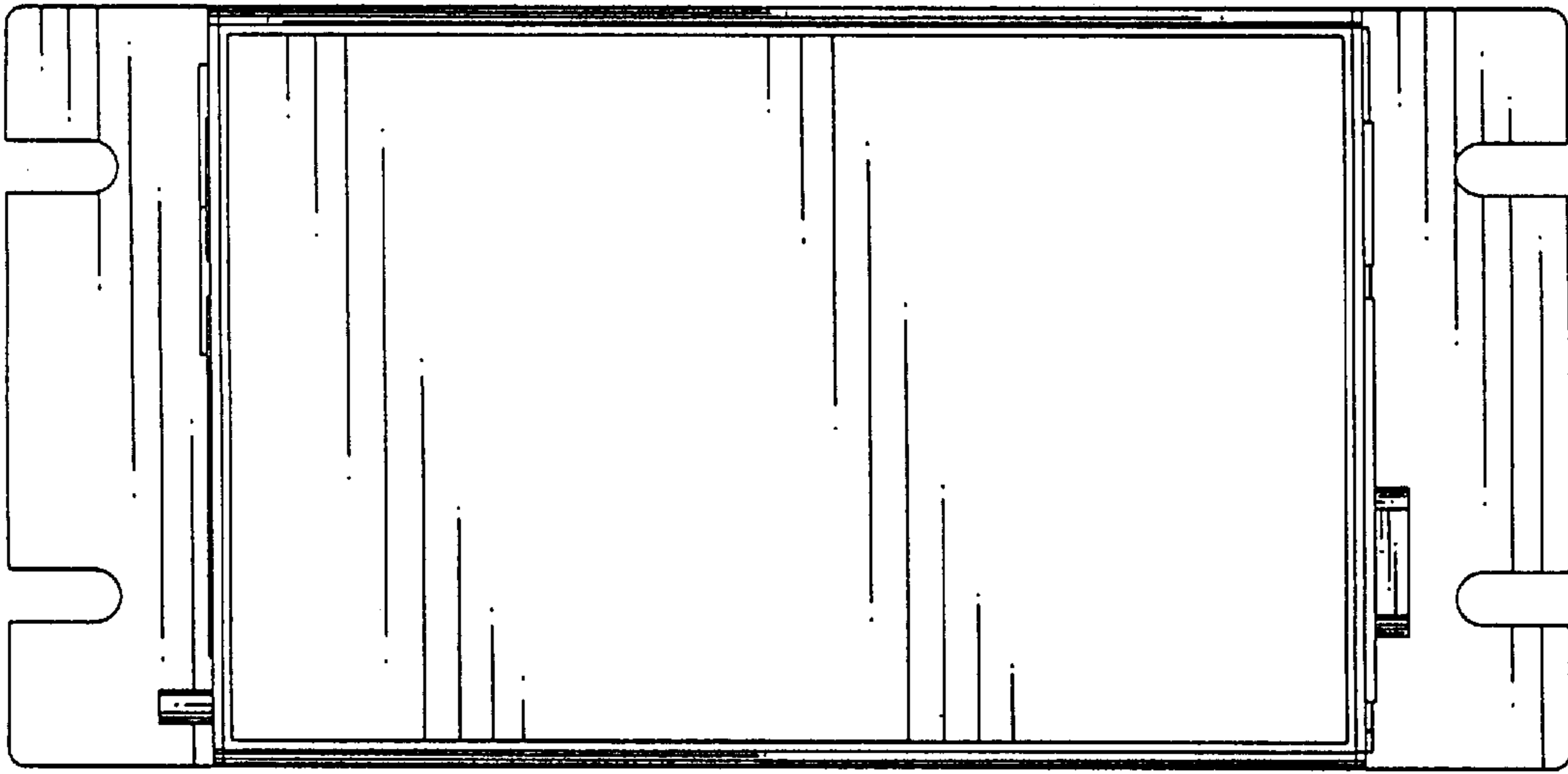


Fig. 31

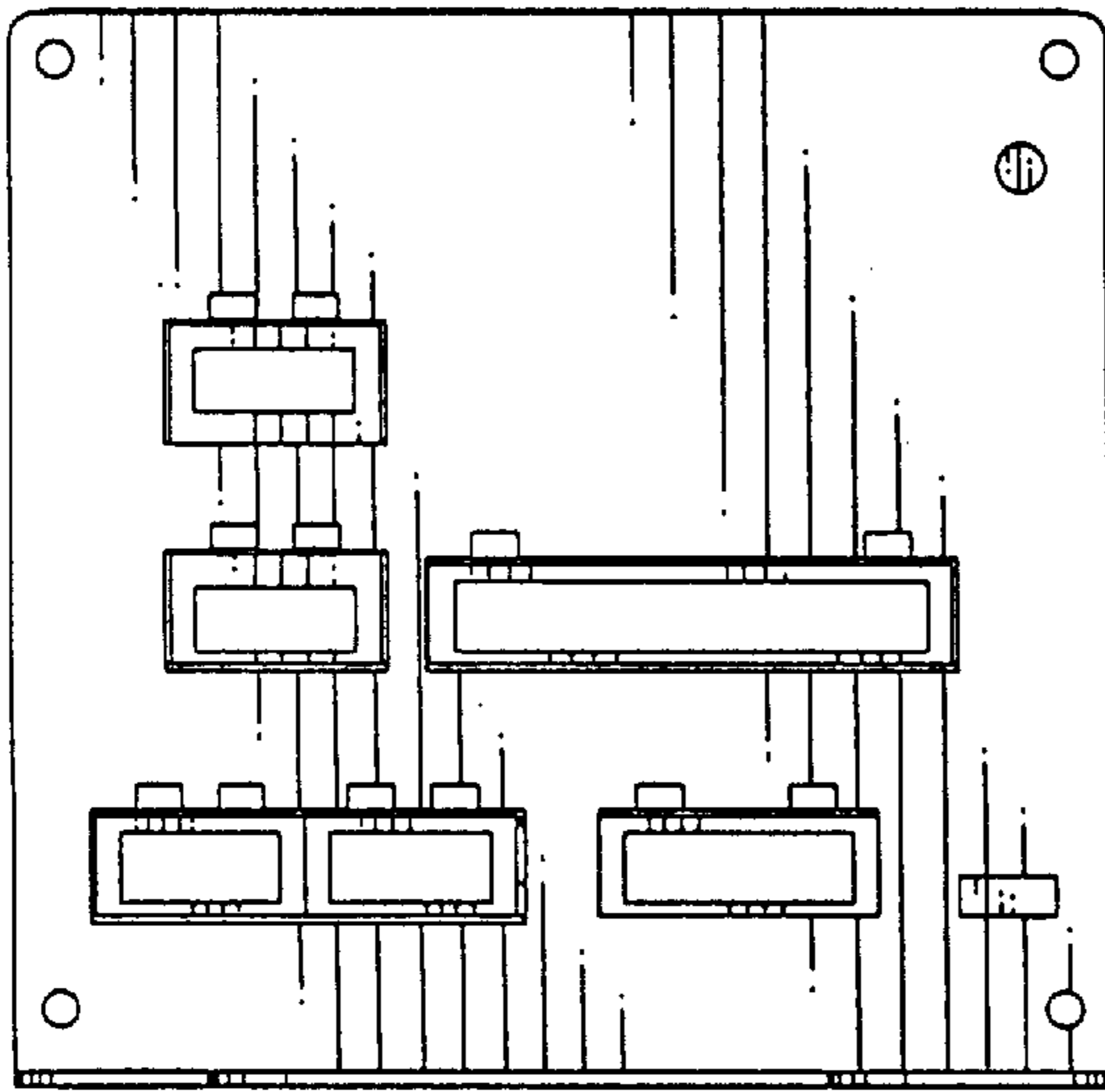


Fig. 32

Fig. 33

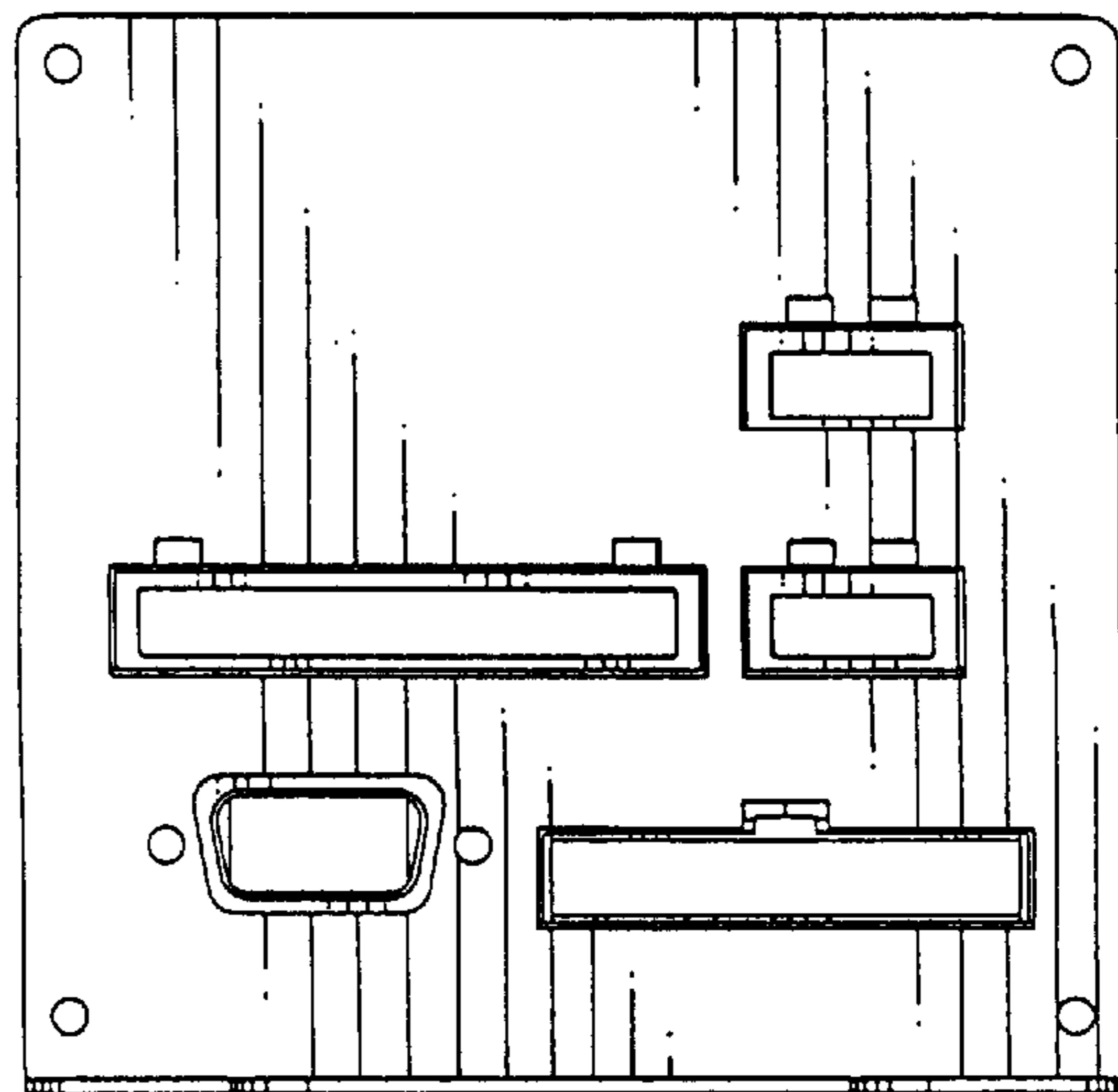


Fig. 34

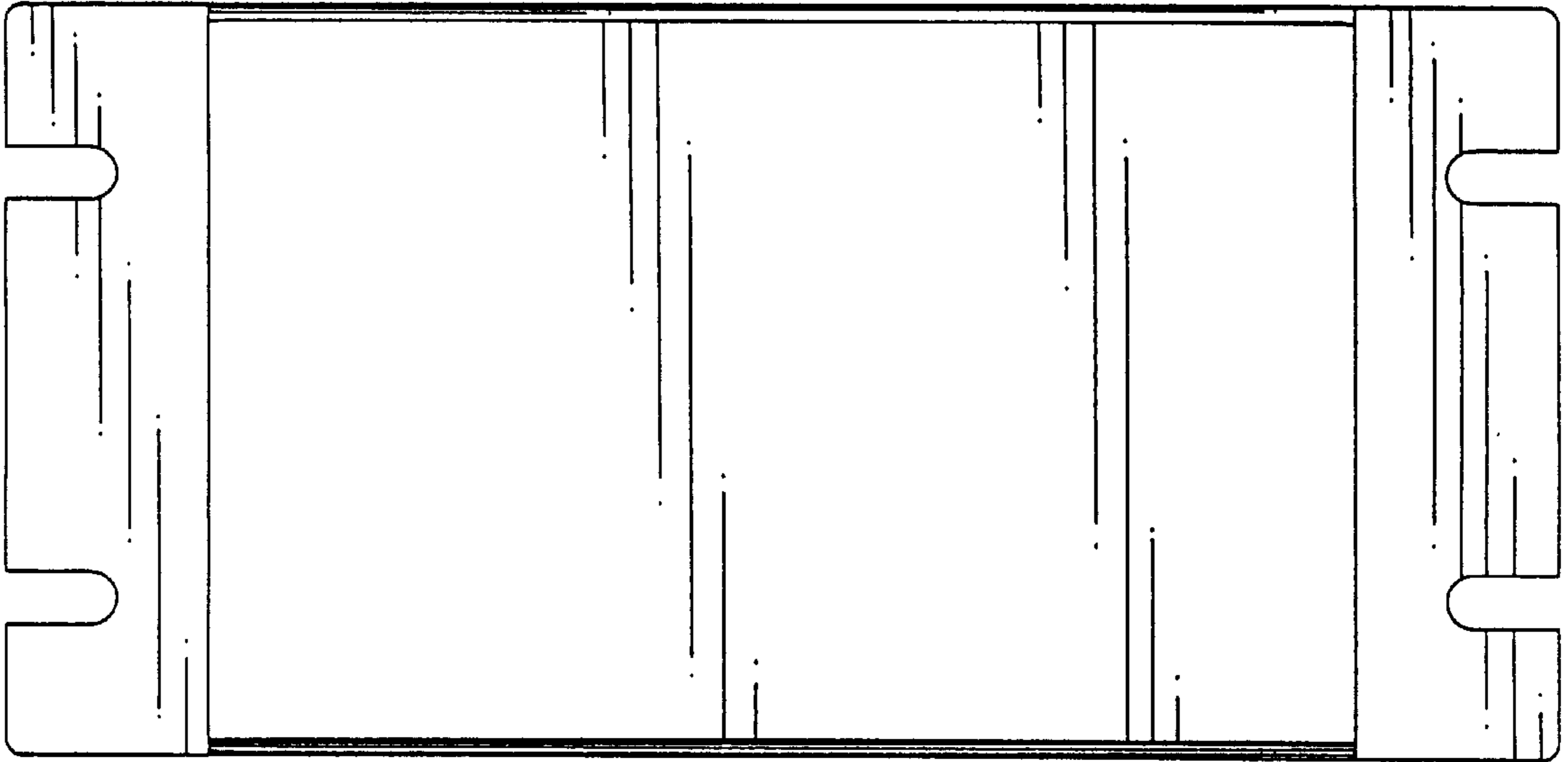
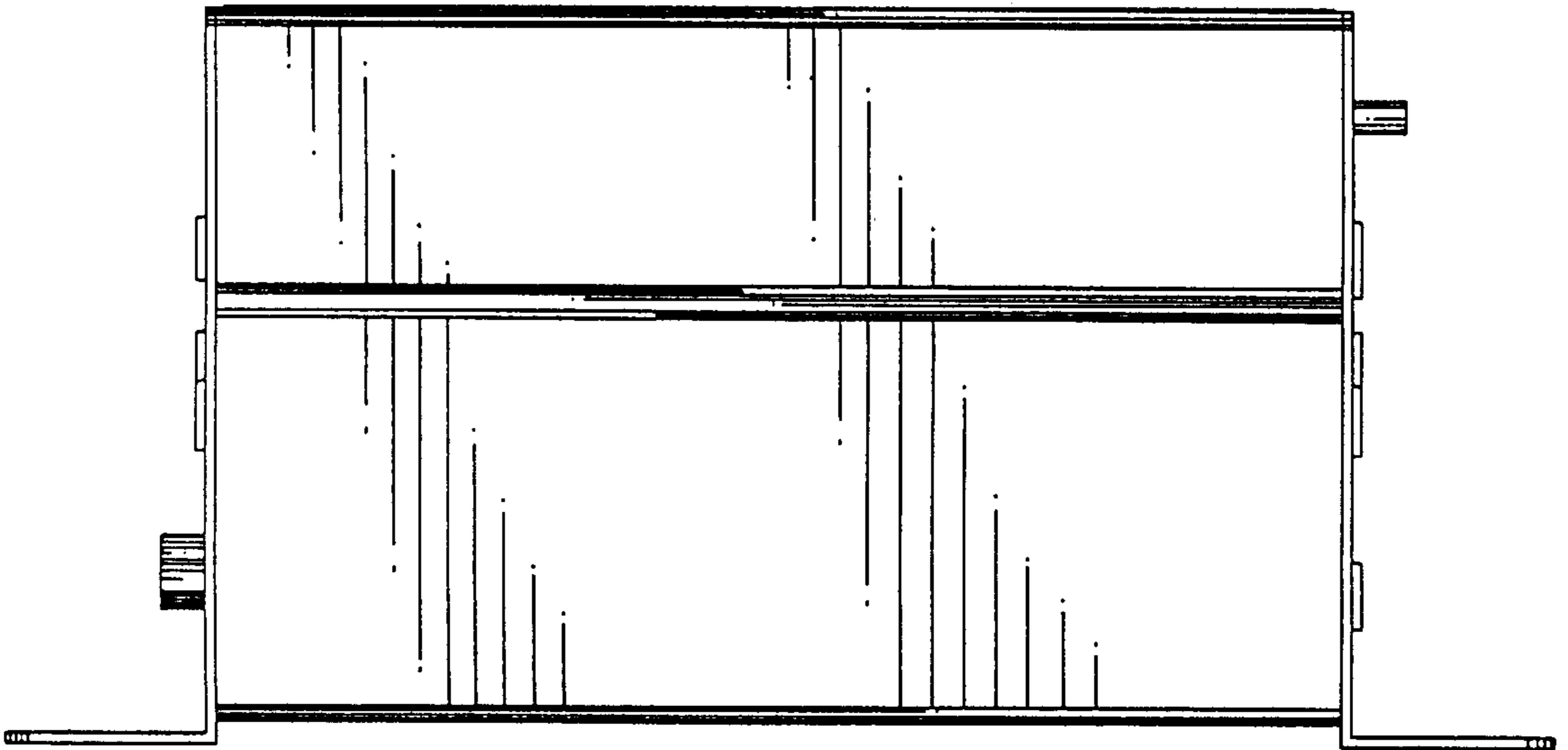


Fig. 35



UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : Des 427,533
DATED : July 4, 2000
INVENTOR(S) : Peter C. Cowan et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page, column 2,

Line 25, under "DESCRIPTION", change "righth" to -- right --.

Line 40, under "DESCRIPTION", change "electric" to -- electric --.

Signed and Sealed this

Twenty-fifth Day of September, 2001

Attest:

Nicholas P. Godici

Attesting Officer

NICHOLAS P. GODICI
Acting Director of the United States Patent and Trademark Office