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(12) **United States Design Patent** (10) **Patent No.:** **US D516,516 S**
Shimizu et al. (45) **Date of Patent:** **** Mar. 7, 2006**

(54) **ELECTRICAL CONNECTOR**

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(73) Assignee: **J.S.T. Mfg. Co., Ltd.**, Osaka (JP)

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

JP	D1139132 S	4/2002
JP	D1142410 S	6/2002
JP	D1142945 S	6/2002
JP	D1156383 S	10/2002
JP	D1156384 S	10/2002
JP	D1172560 S	5/2003
JP	D1172564 S	5/2003
JP	D1172566 S	5/2003
JP	D1180010 S	7/2003
JP	D1180302 S	7/2003

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Mar. 26, 2004 (JP) 2004-009145

(51) **LOC (8) Cl.** **13-03**

(52) **U.S. Cl.** **D13/147**

(58) **Field of Classification Search** D13/146-147,
D13/199; 439/62, 260, 325, 329, 395, 422,
439/492, 495, 499, 607

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,575,673 A	*	11/1996	Dahlem et al.		439/248
D455,717 S	*	4/2002	Hayashi et al.		D13/147
D466,481 S	*	12/2002	Wu		D13/147
D467,549 S	*	12/2002	Wu		D13/147
D482,327 S	*	11/2003	Saito et al.		D13/147
D497,343 S	*	10/2004	Busse et al.		D13/147
D497,344 S	*	10/2004	Huang		D13/147
D502,922 S	*	3/2005	Cheng et al.		D13/147
2005/0020125 A1	*	1/2005	Huang		439/495

FOREIGN PATENT DOCUMENTS

JP D1138433 S 4/2002

OTHER PUBLICATIONS

Catalog, "Connectors Catalog / SHL Connector," vol. 111, pp. 6-7 JST Mfg. Co., Ltd. (Nov. 2002).

* cited by examiner

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(57) **CLAIM**

The ornamental design for an electrical connector, as shown.

DESCRIPTION

FIG. 1 is a perspective view of an electrical connector showing our new design;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a rear elevational view thereof;

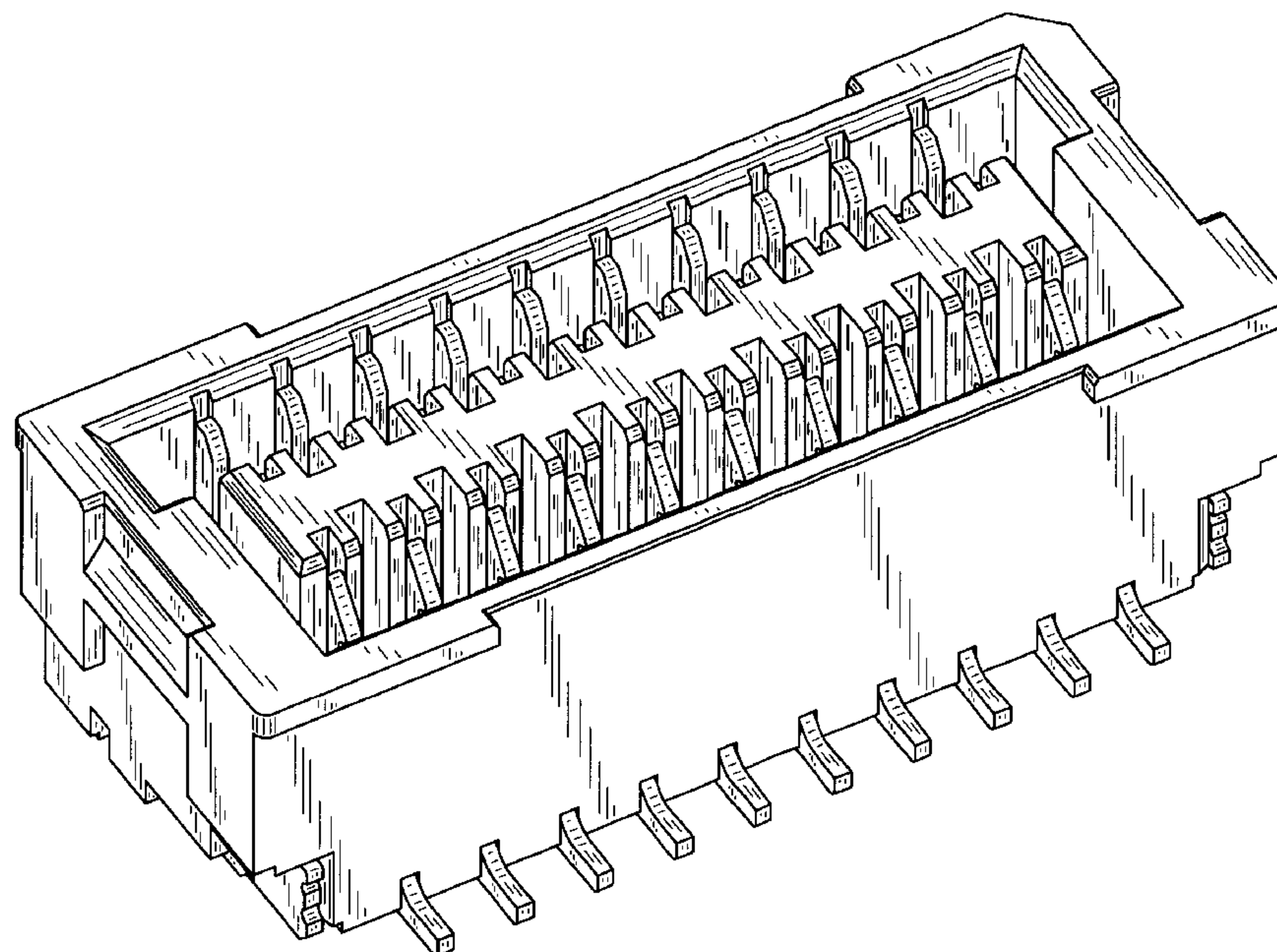
FIG. 4 is a top plan view thereof;

FIG. 5 is a bottom plan view thereof;

FIG. 6 is a right side elevational view thereof; and,

FIG. 7 is a left side elevational view thereof.

1 Claim, 4 Drawing Sheets



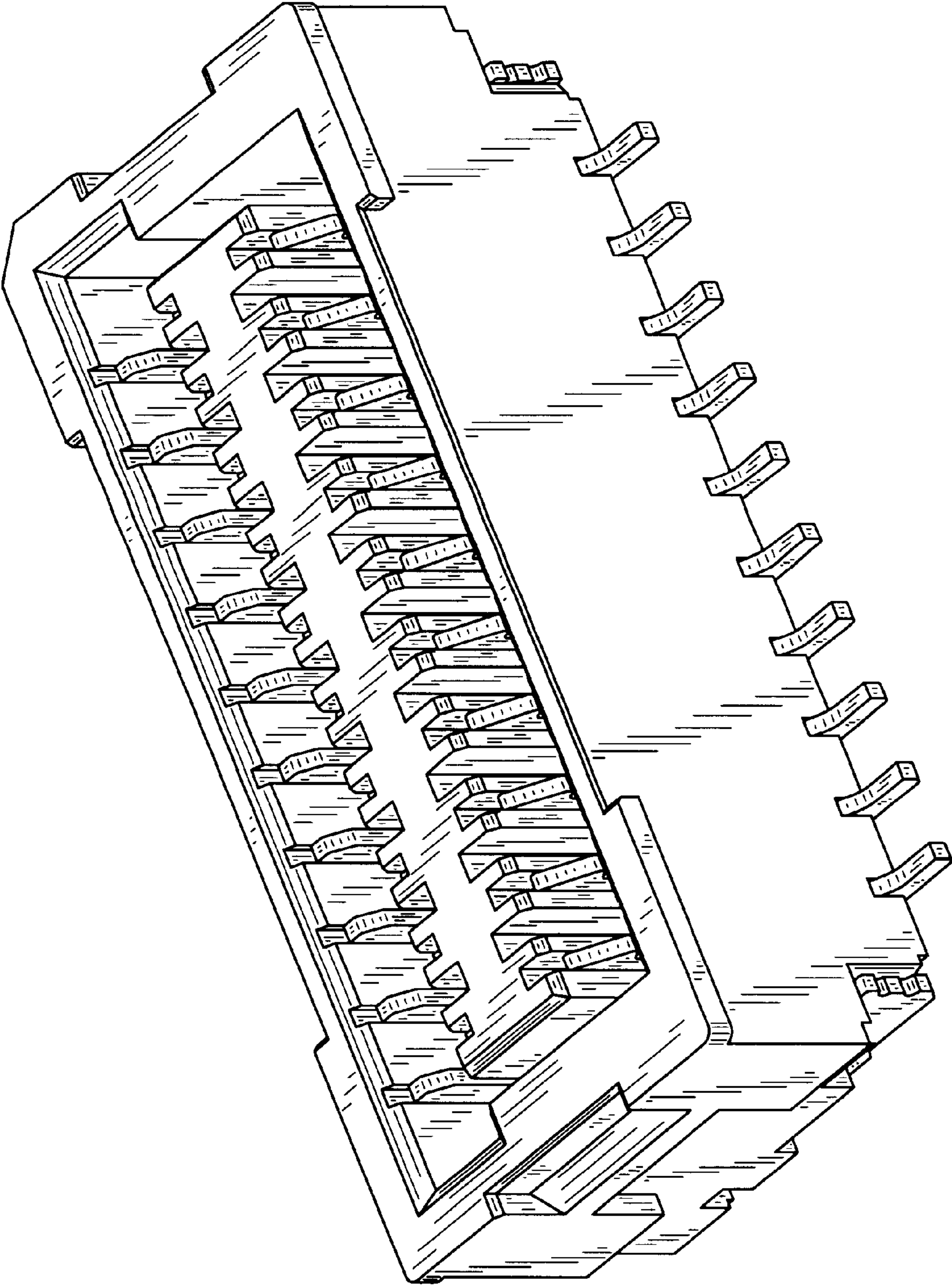


Fig. 1

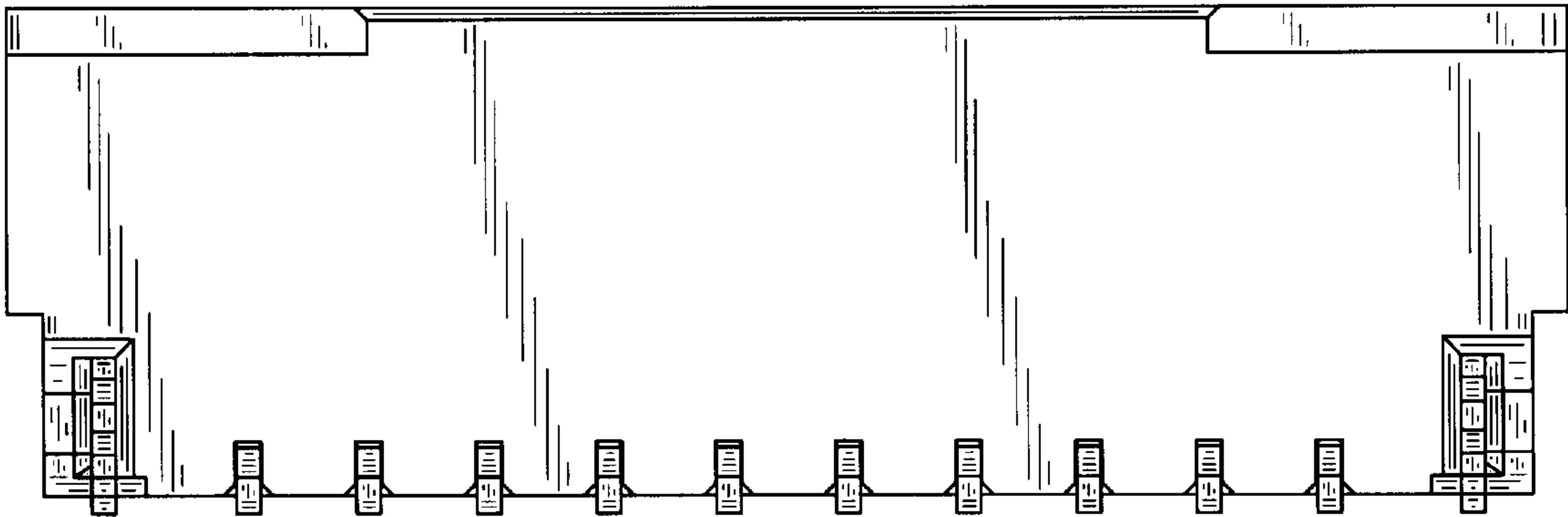


Fig.2

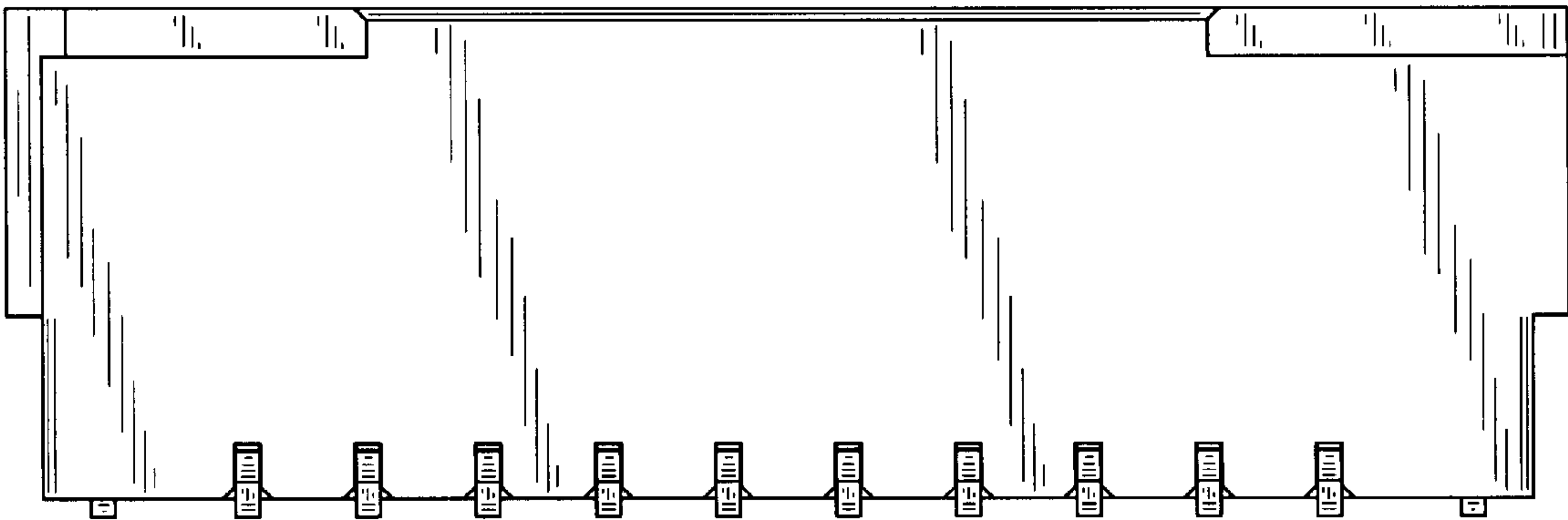


Fig.3

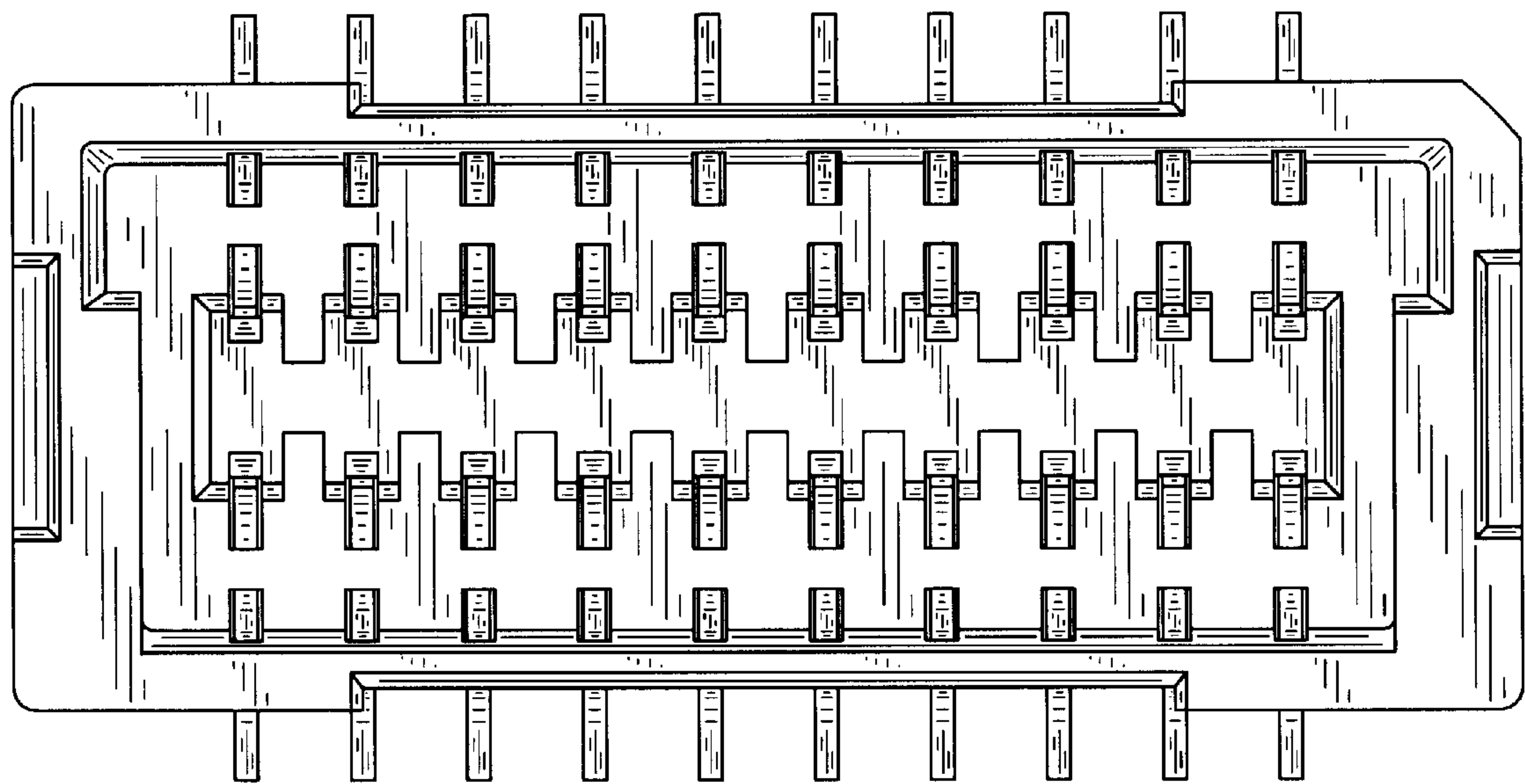


Fig.4

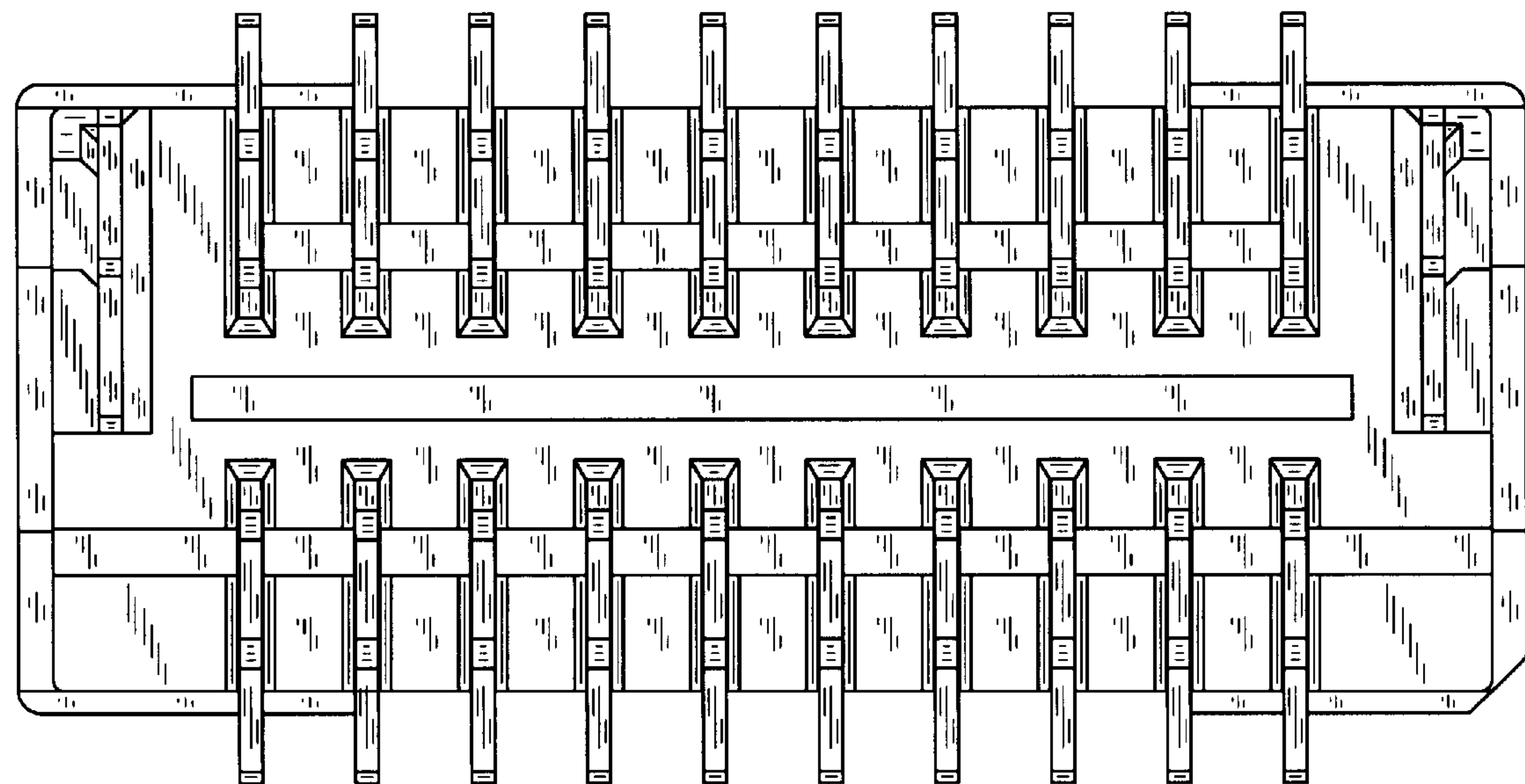


Fig.5

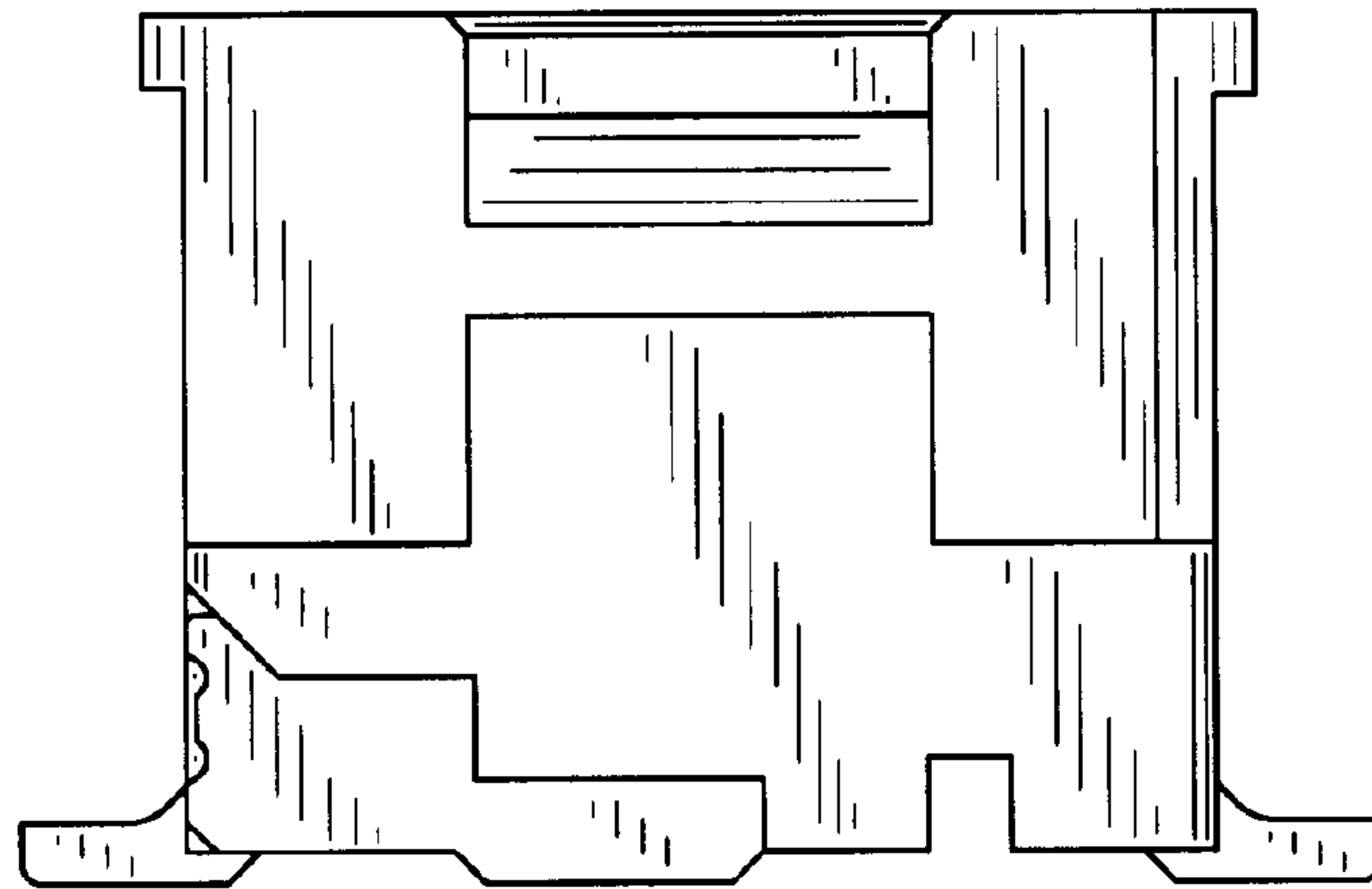


Fig.6

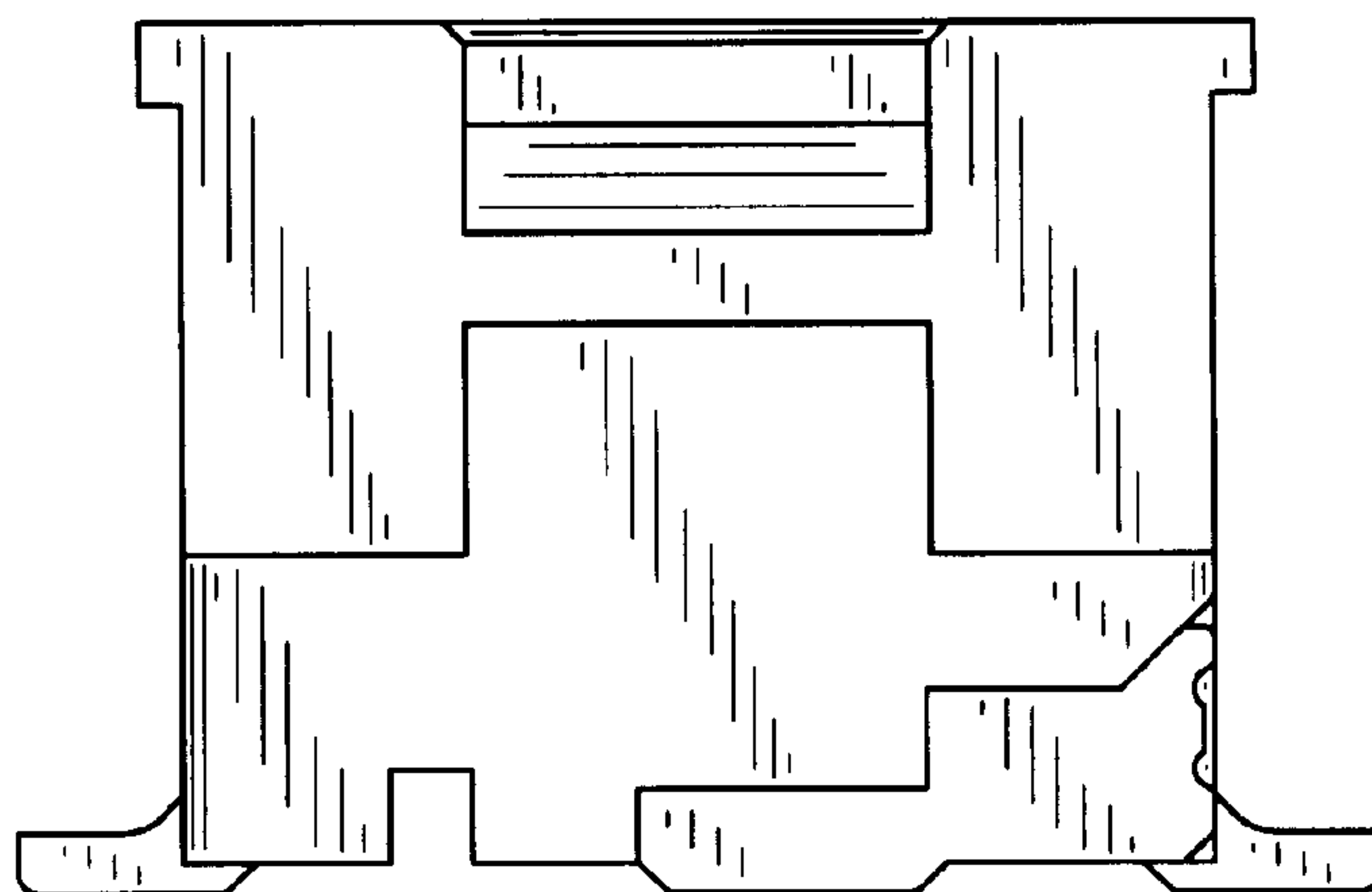


Fig.7