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United States Patent [19]

Bender

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[45] Date of Patent: ****May 26, 1998**

[54] **MODULAR HOUSING FOR ELECTRICAL CIRCUITS**

[75] Inventor: **Werner Bender**, Ostfildern, Germany

[73] Assignee: **Pilz GmbH & Co.**, Ostfildern, Germany

[**] Term: **14 Years**

[21] Appl. No.: **44,162**

[22] Filed: **Sep. 19, 1995**

[30] Foreign Application Priority Data

Mar. 23, 1995 [DE] Germany 95 02 809.9

[51] **LOC (6) Cl.** **13-03**

[52] **U.S. Cl.** **D13/162**

[58] **Field of Search** D13/158-178, D13/184, 199, 110; D14/197; 361/380, 383, 390-395, 399, 412, 415, 417, 686, 687, 733, 752; 364/926.2, 949, DIG. 2

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Primary Examiner—James Gandy
Assistant Examiner—Cathron B. Matta
Attorney, Agent, or Firm—Frishauf, Holtz, Goodman, Langer & Chick, P.C.

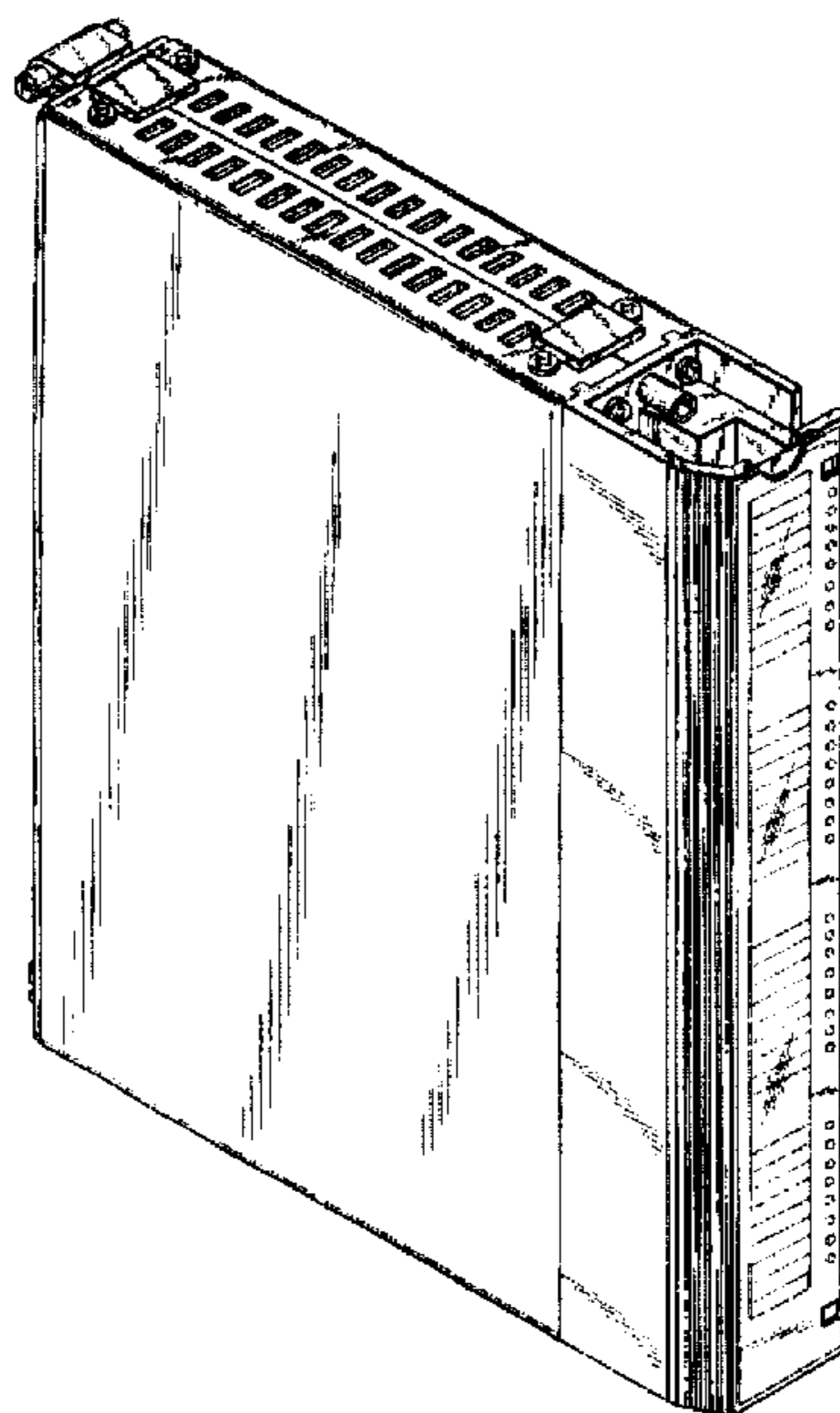
[57] CLAIM

The ornamental design for a modular housing for electrical circuits, as shown and described.

DESCRIPTION

FIG. 1 is a front top perspective view of a first embodiment of the modular housing for electrical circuits; FIG. 2 is a rear perspective view of the unit of FIG. 1; FIG. 3 is a front view of the unit of FIG. 1; FIG. 4 is a top view of the unit of FIG. 1; FIG. 5 is a left side view of the unit of FIG. 1; FIG. 6 is a right side view of the unit of FIG. 1; FIG. 7 is a bottom view of the unit of FIG. 1; FIG. 8 is a rear view of the unit of FIG. 1; FIG. 9 is a front top perspective view of a second embodiment of the modular housing for electrical circuits; FIG. 10 is a rear perspective view of the unit of FIG. 9; FIG. 11 is a front view of the unit of FIG. 9; FIG. 12 is a top view of the unit of FIG. 9; FIG. 13 is a left side view of the unit of FIG. 9; FIG. 14 is a right side view of the unit of FIG. 9; FIG. 15 is a bottom view of the unit of FIG. 9; FIG. 16 is a rear view of the unit of FIG. 9; FIG. 17 is a front top perspective view of a third embodiment of the modular housing for electrical circuits in which a front user replaceable and insertable strip has been removed; and, FIG. 18 is a front view of the unit as shown in FIG. 17. The undisclosed right side, bottom and rear views of the third embodiment of the modular housing for electrical circuits are identical to those of the second embodiment.

1 Claim, 12 Drawing Sheets



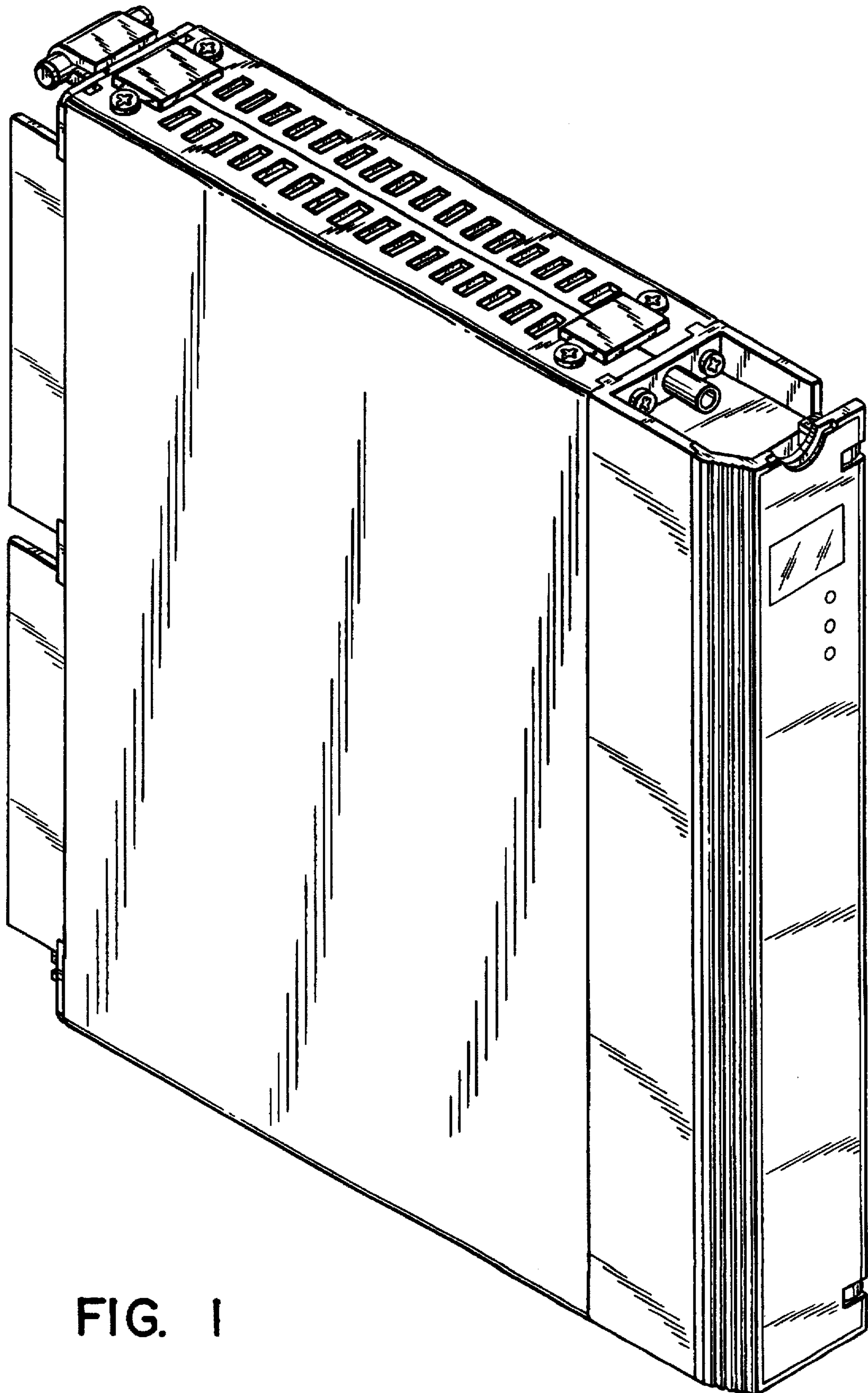


FIG. 1

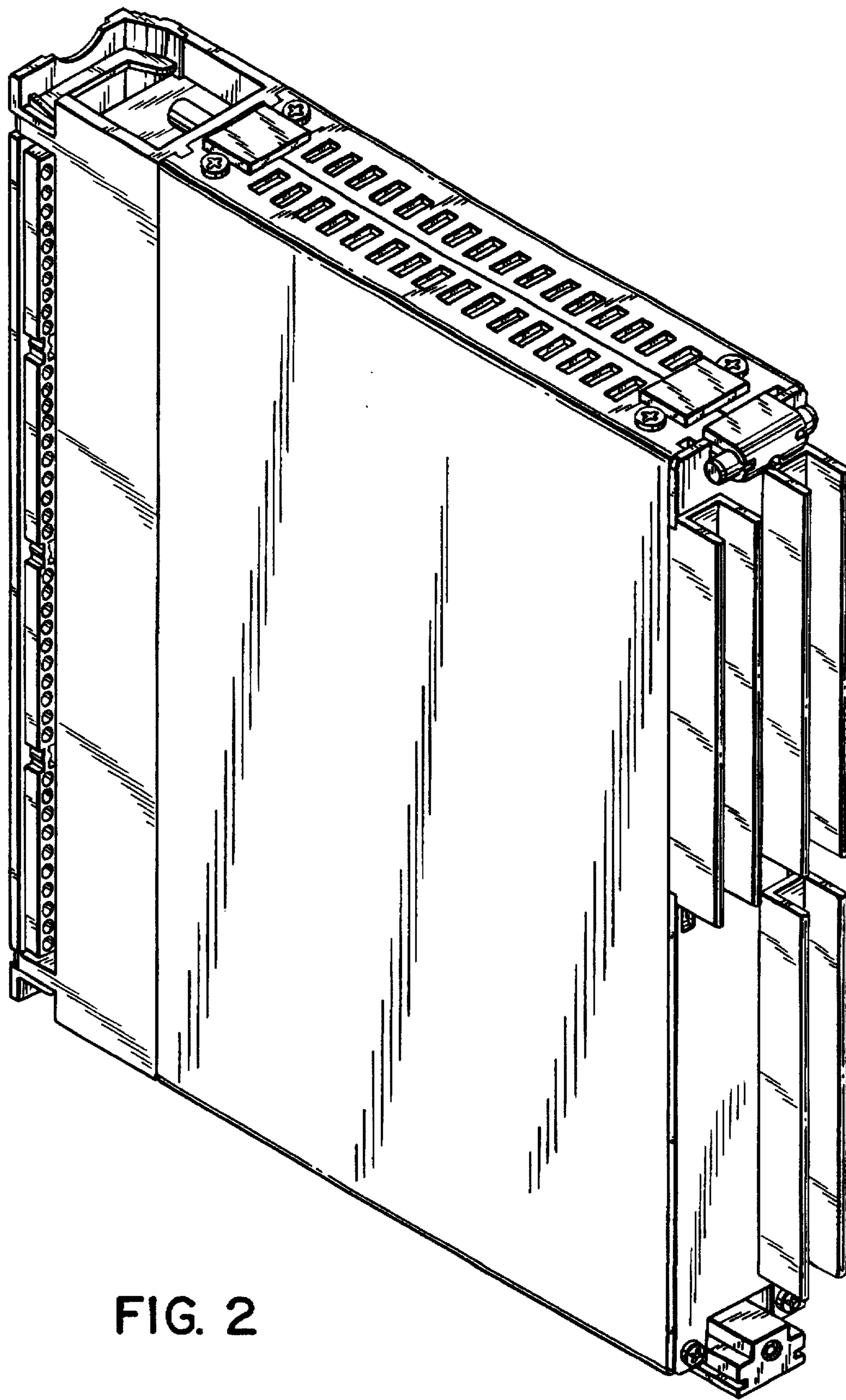


FIG. 2

FIG. 3

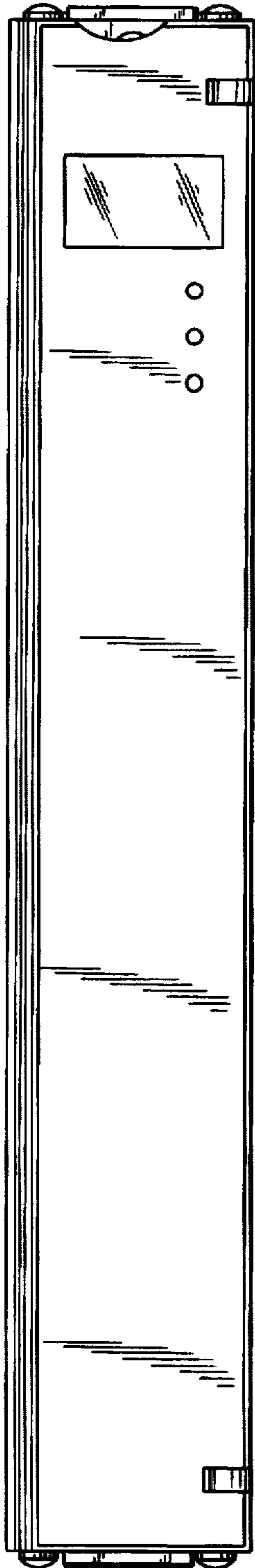


FIG. 8

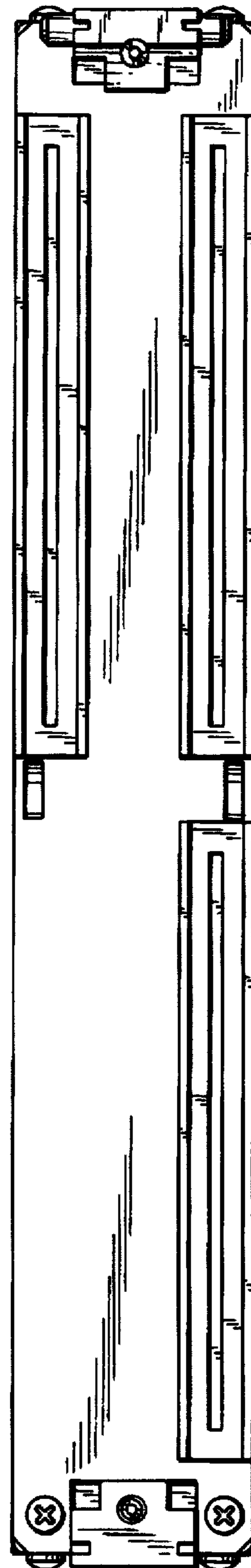


FIG. 4

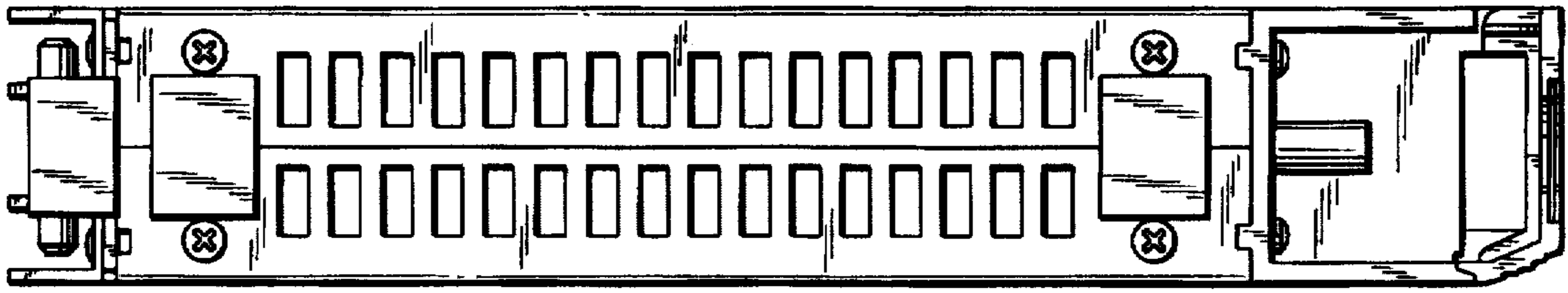


FIG. 5

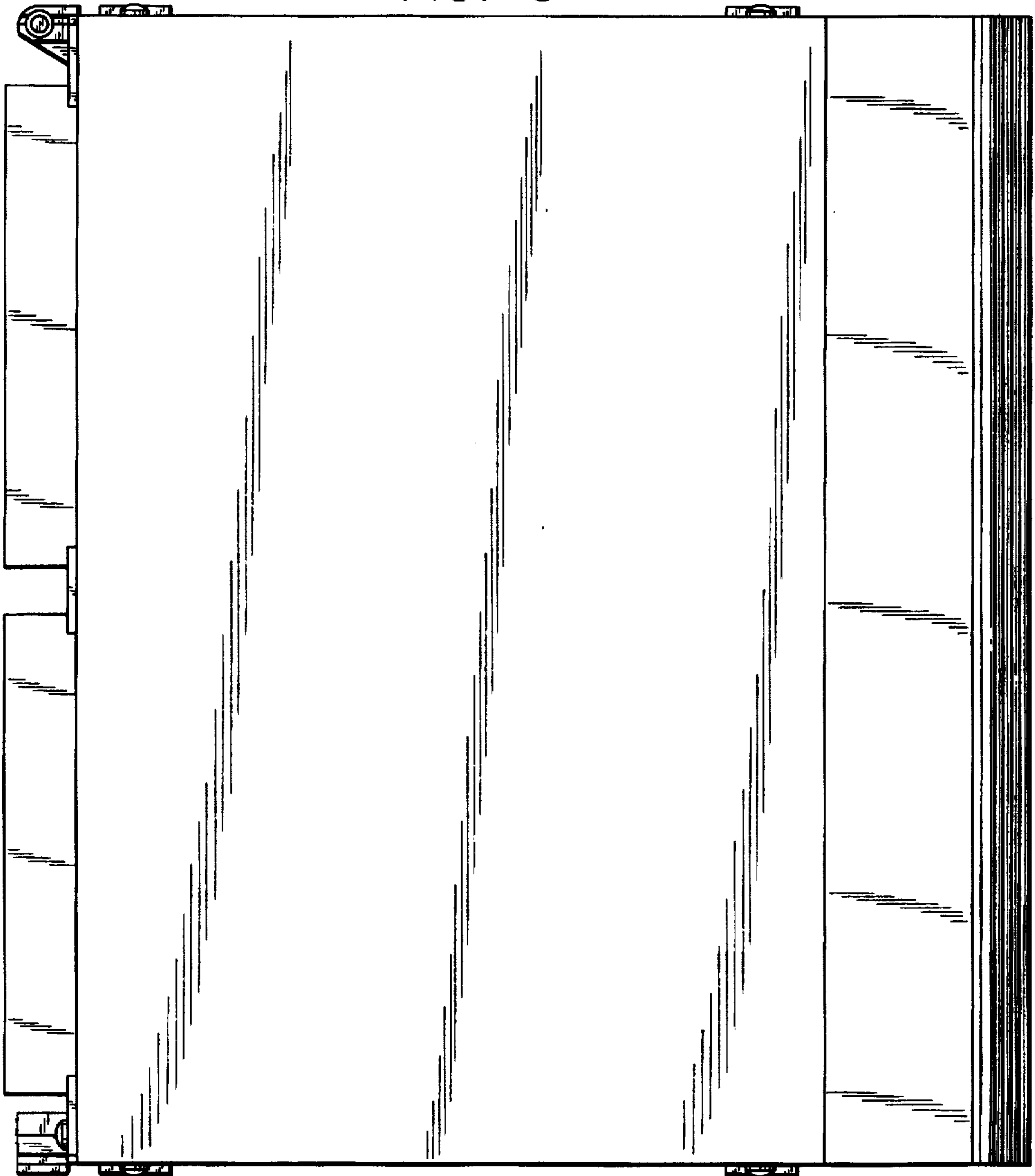


FIG. 6

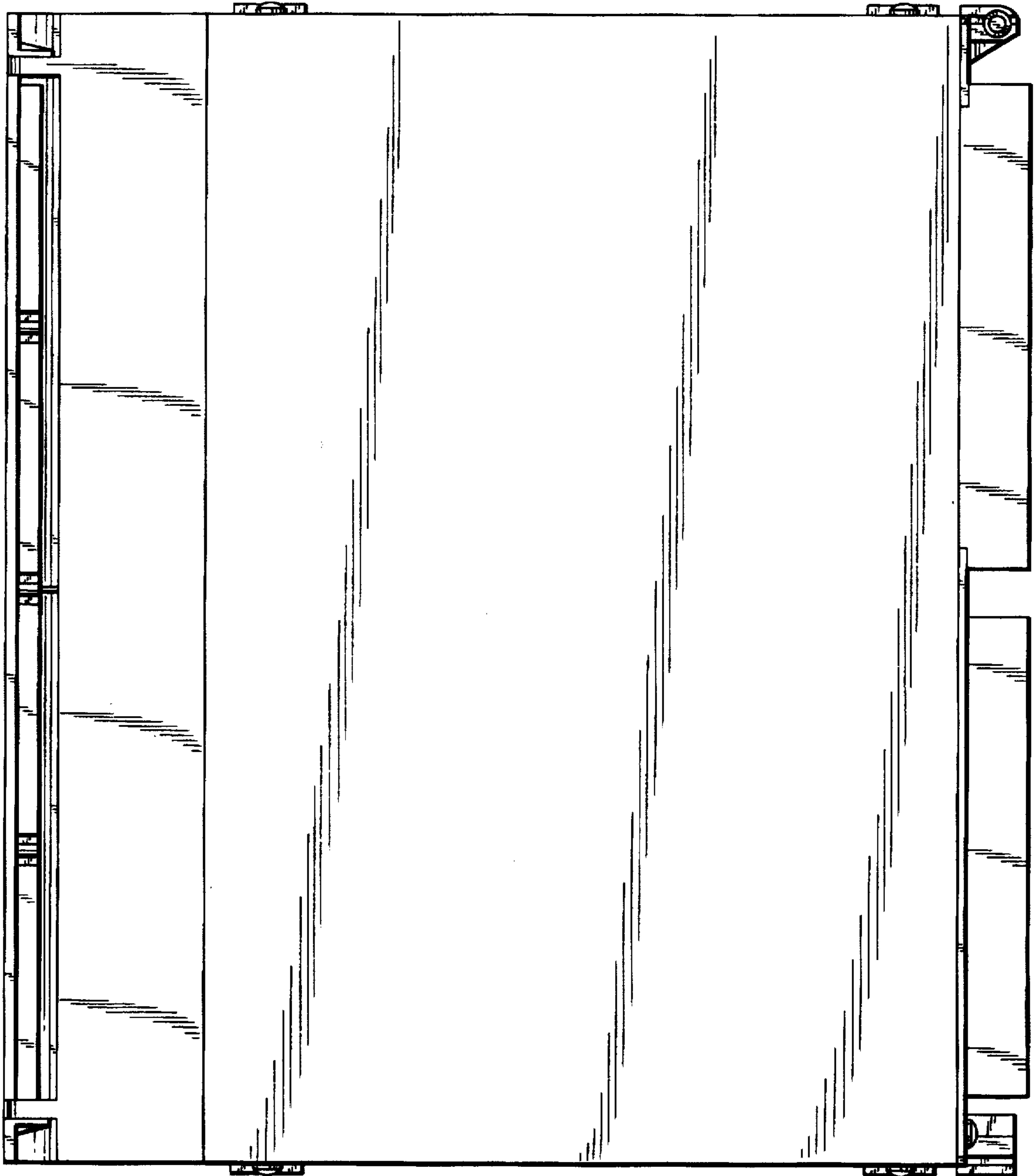
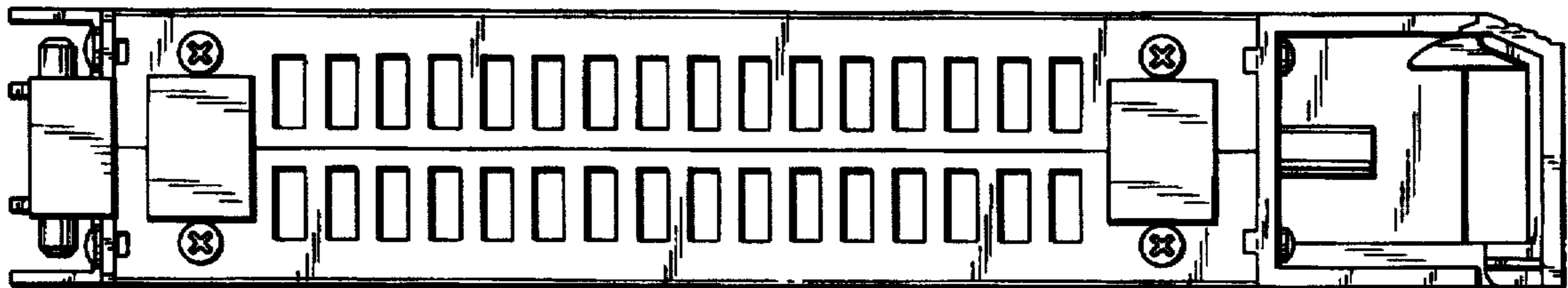


FIG. 7



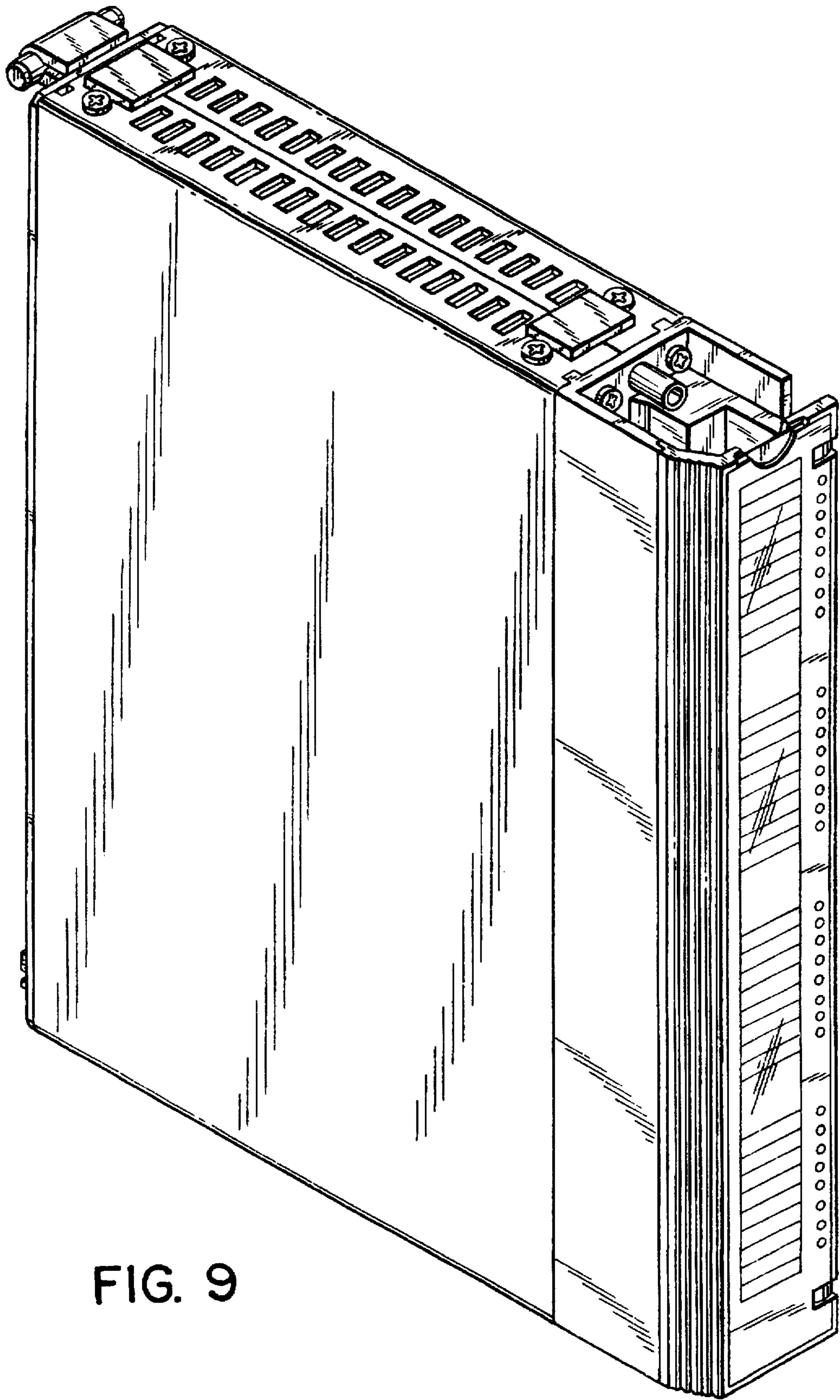


FIG. 9

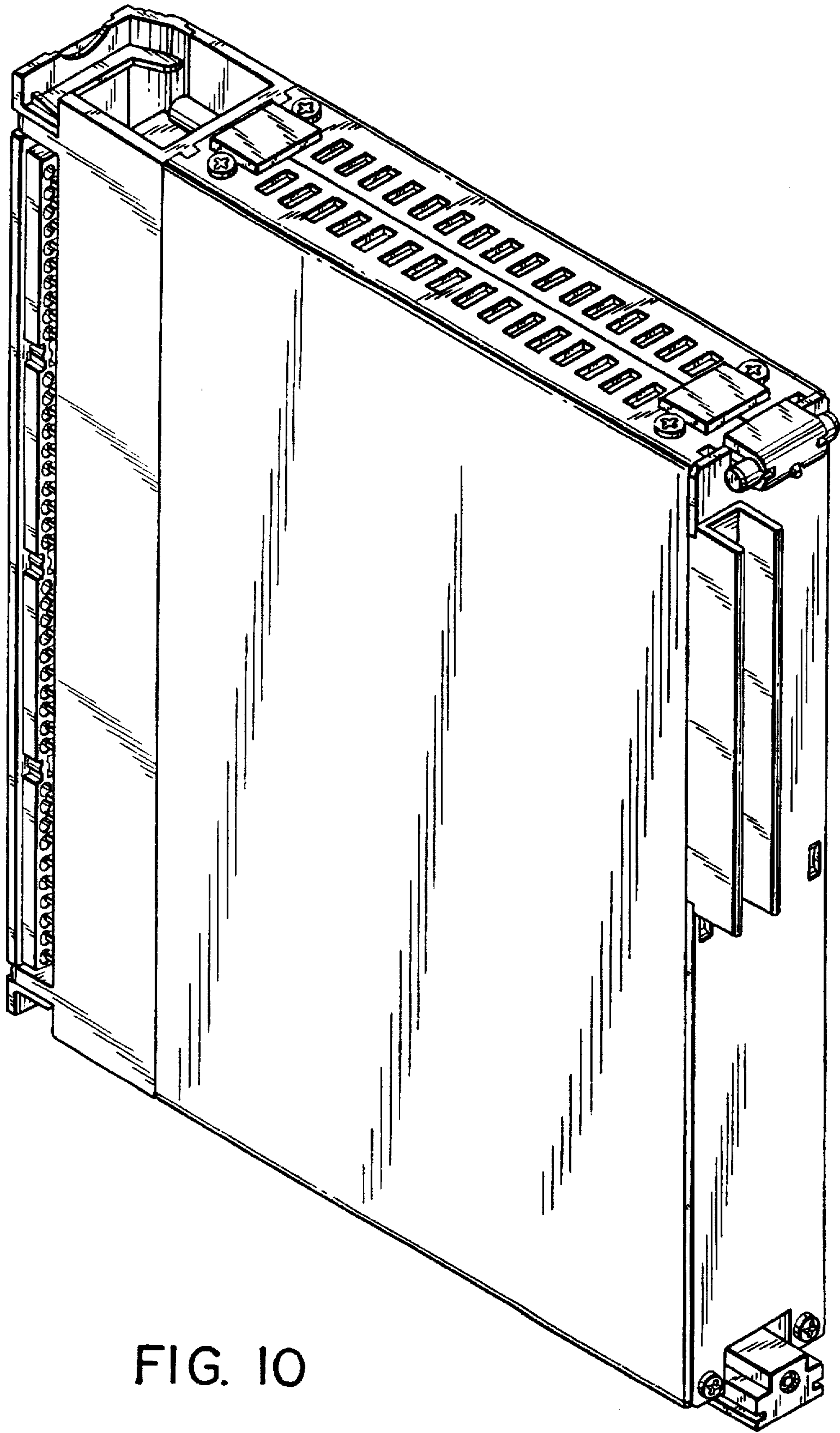


FIG. 10

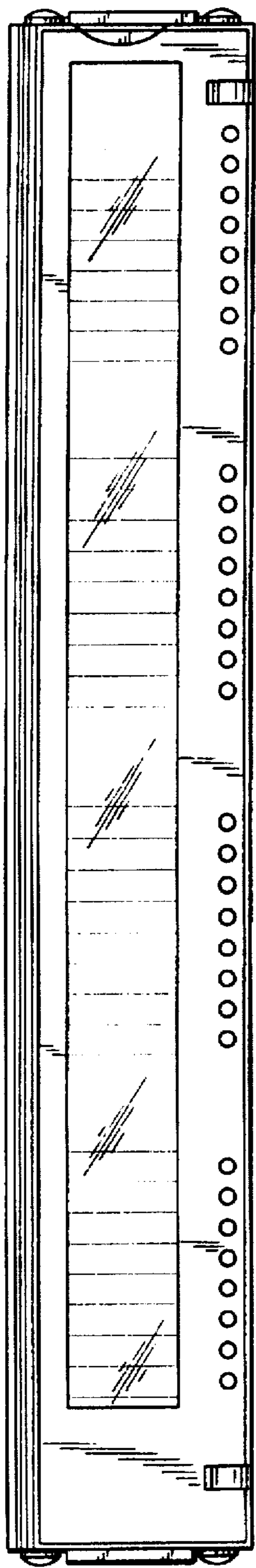


FIG. 11

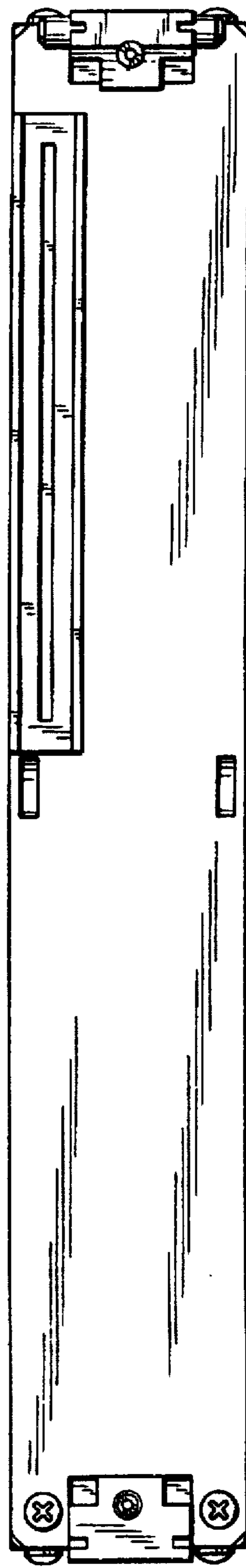


FIG. 16

FIG. 12

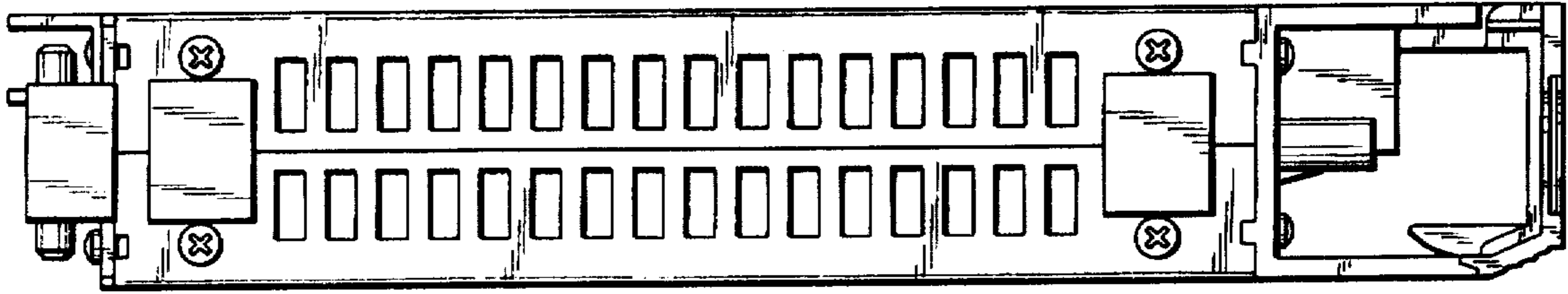


FIG. 13

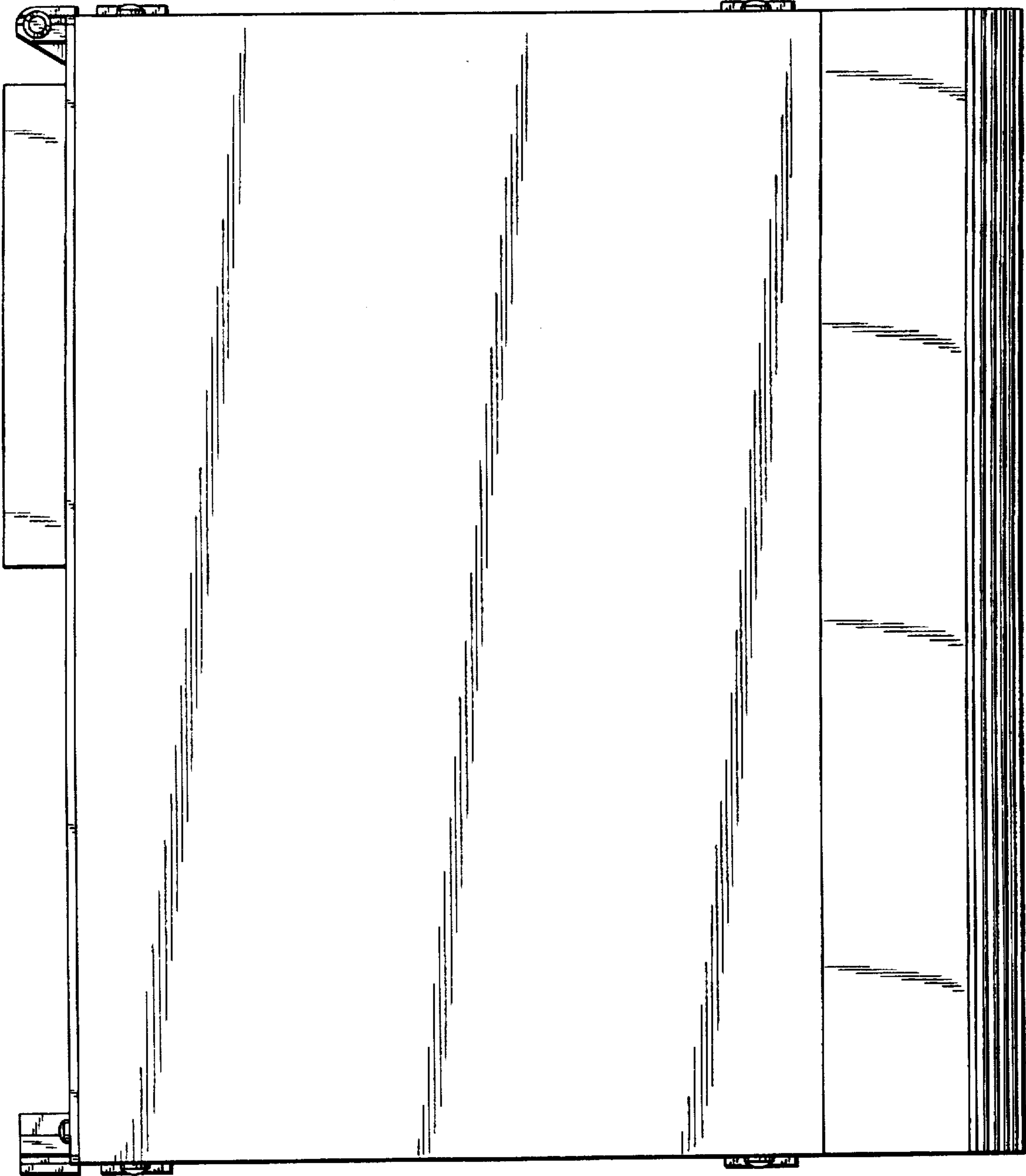


FIG. 14

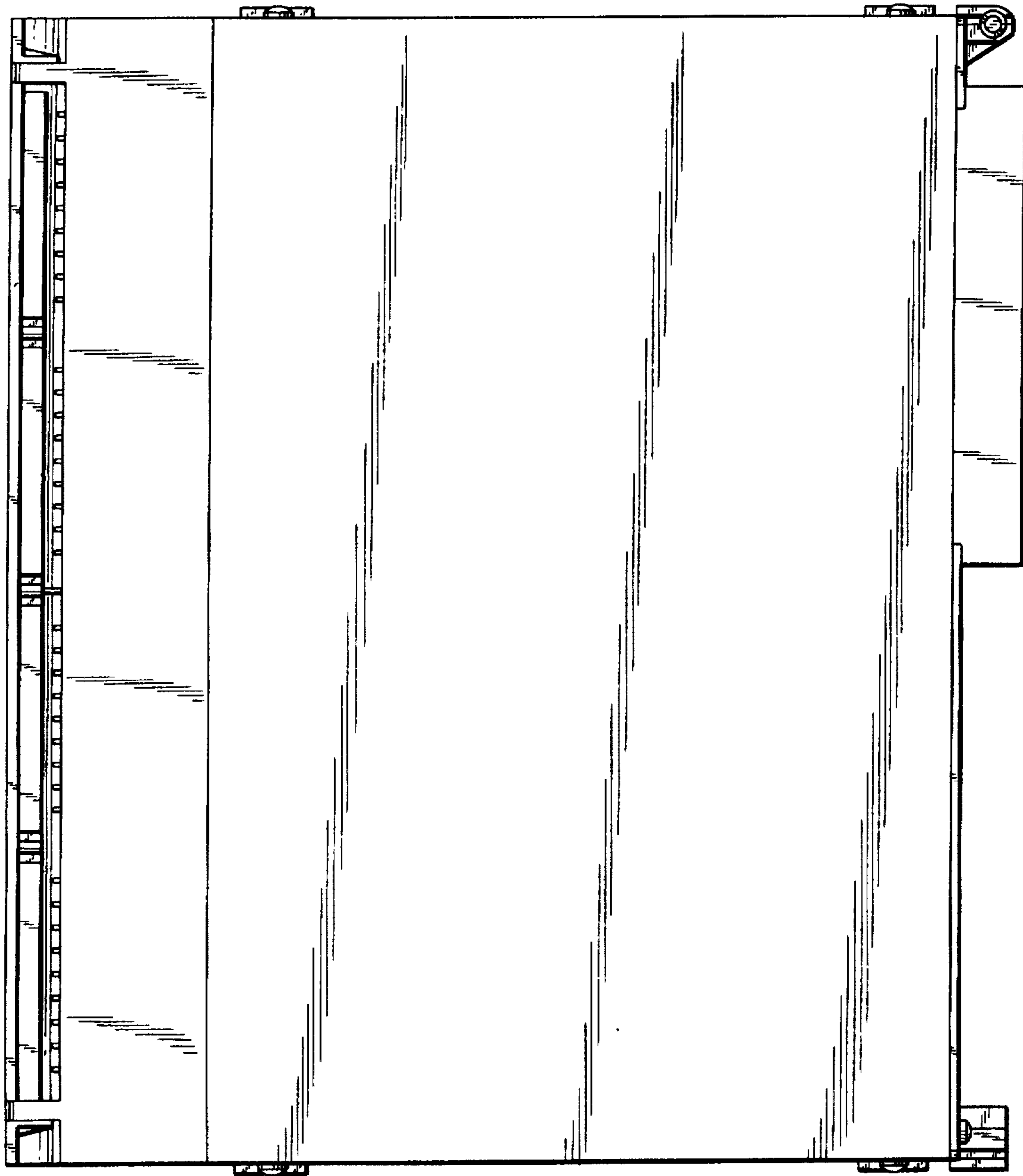
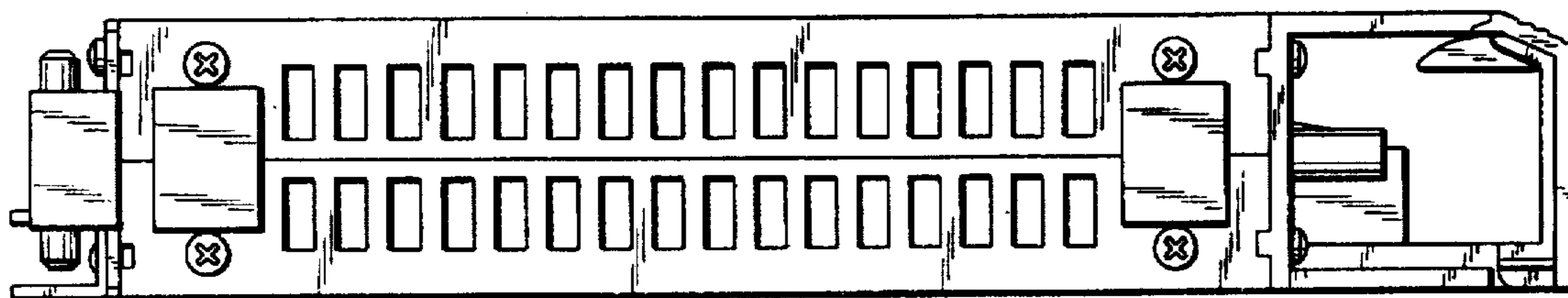


FIG. 15



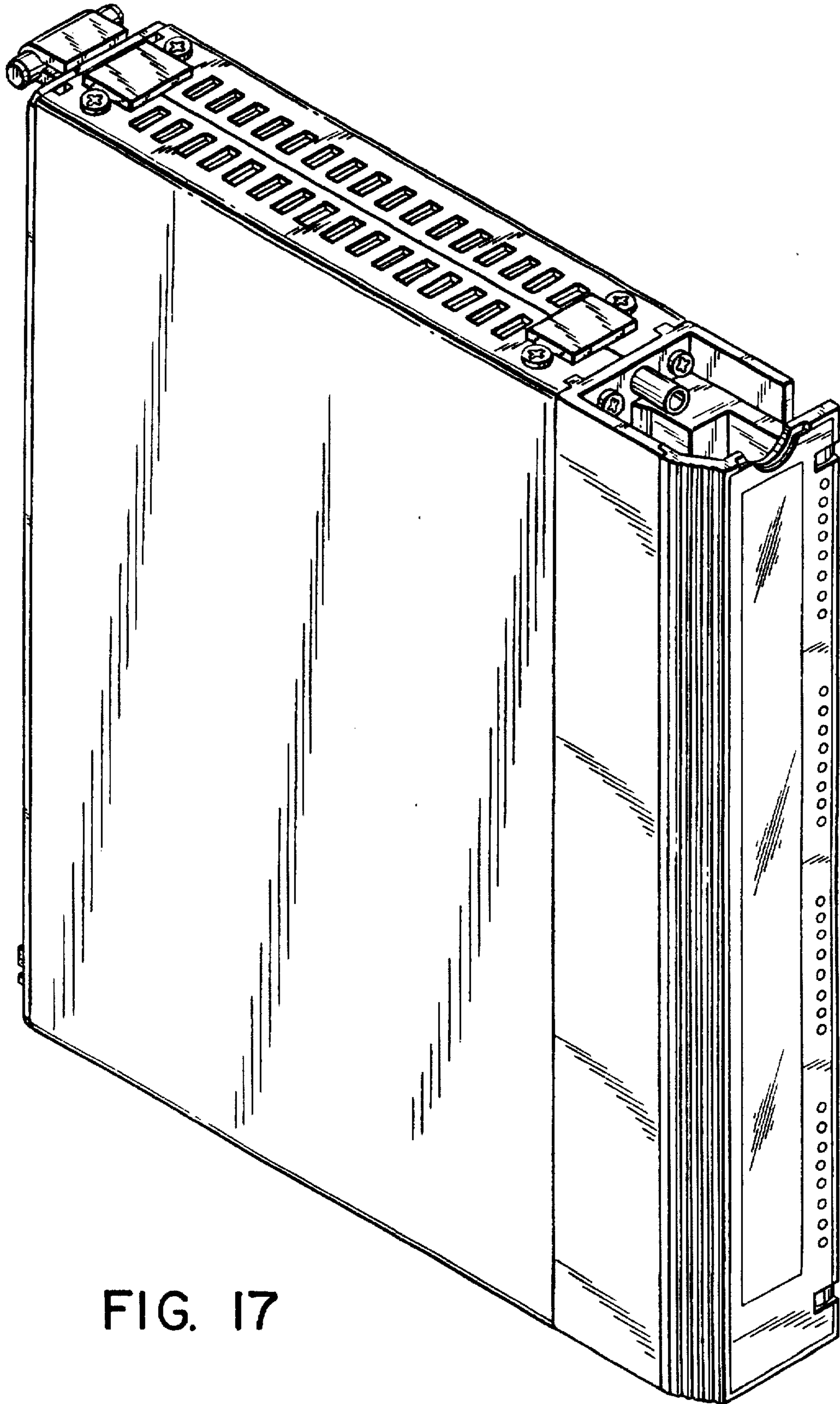


FIG. 17

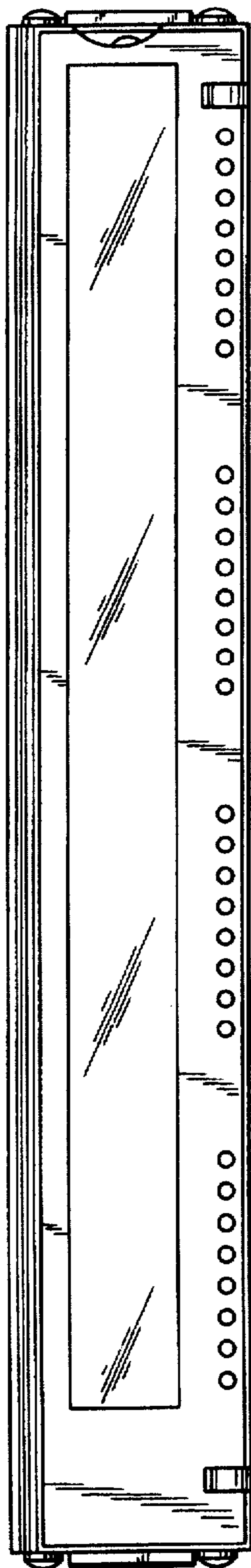


FIG. 18