

[54] PROGRAMMABLE MICRO-CONTROLLER

[75] Inventors: Raymond Llabres, Saint Laurent du Var; Guy Boucher, Paris, both of France

[73] Assignee: La Telemecanique Electrique, France

[**] Term: 14 Years

[21] Appl. No.: 67,174

[22] Filed: Jun. 29, 1987

[30] Foreign Application Priority Data

Dec. 30, 1986 [FR] France 86 6896
[52] U.S. Cl. D13/162
[58] Field of Search D13/12, 35, 40, 41, D13/99, 123, 162, 164, 184, 199; D14/100, 101, 114; 361/331-334, 346, 390-394; 364/141, 146, 147, 188, 190-193; 901/3, 4, 5

[56] References Cited

U.S. PATENT DOCUMENTS

- D. 278,710 5/1985 Shimizu et al. D13/12
D. 282,253 1/1986 Shimizu et al. D13/12
D. 282,461 2/1986 Shimizu et al. D13/12
D. 287,117 12/1986 Saiki et al. D13/12
D. 298,747 11/1988 Shibayama et al. D13/12

OTHER PUBLICATIONS

New Equipment Digest, 1-85, p. 78, Westinghouse Controller.
Design News, 12-85, Miller Controller, p. 127.
Design News, 9-85, Eaton Controller, p. 23.
New Equipment Digest, 5-85, p. 8a, IPC Controller.

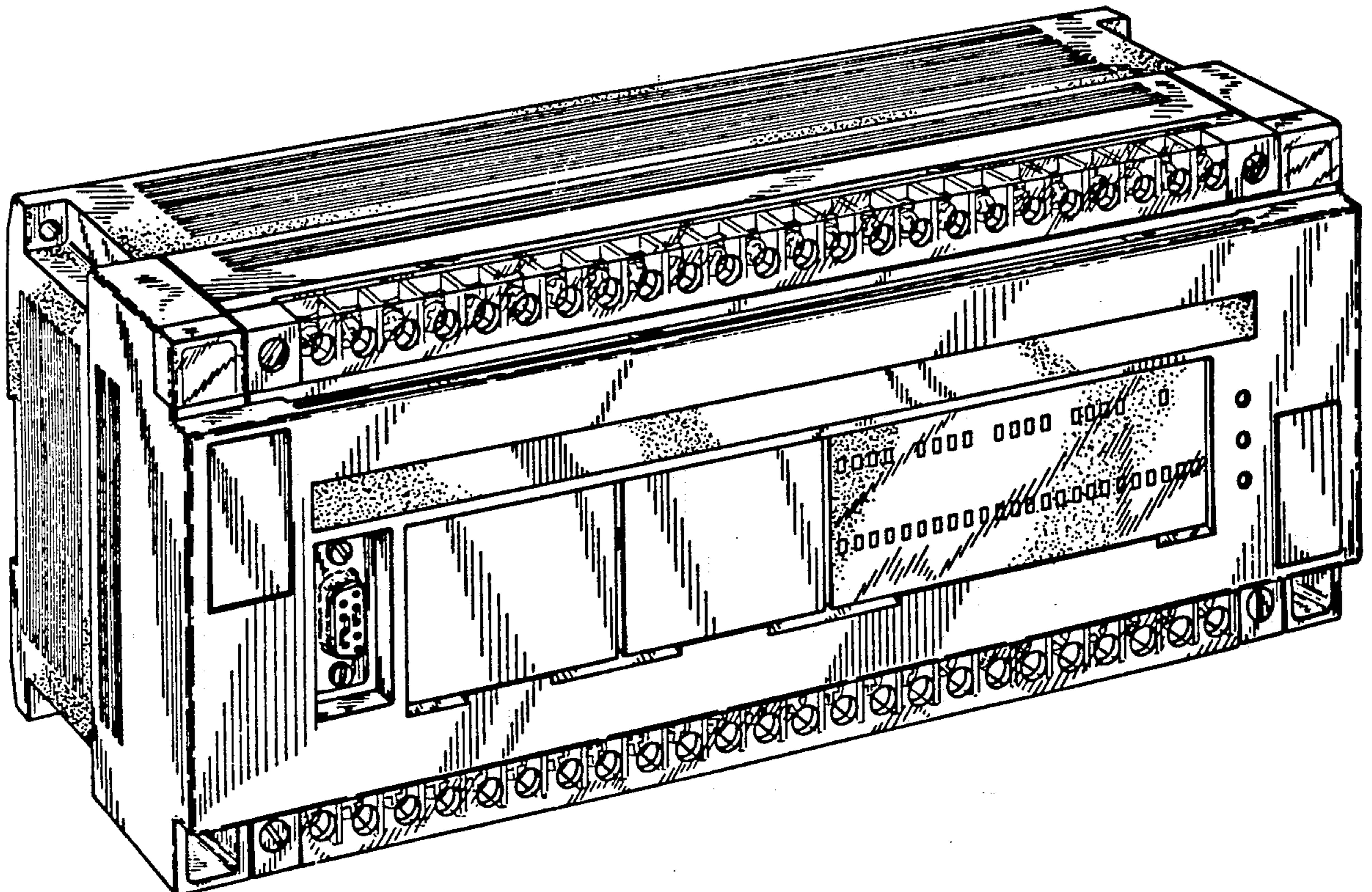
Primary Examiner—Susan J. Lucas
Assistant Examiner—Joel Sincavage
Attorney, Agent, or Firm—William A. Drucker

[57] CLAIM

The ornamental design for a programmable micro-controller, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a programmable micro-controller showing our new design;
FIG. 2 is a front perspective view thereof, with the covers removed from the upper and lower terminal blocks and from the plug receptacles at the upper left and lower right for the purposes of a complete disclosure;
FIG. 3 is a front elevational view thereof as shown in FIG. 1;
FIG. 4 is a front elevation view thereof as shown in FIG. 2;
FIG. 5 is a top plan view thereof as shown in FIG. 2;
FIG. 6 is a bottom plan view thereof as shown in FIG. 2;
FIG. 7 is a right side elevational view thereof;
FIG. 8 is a left side elevational view thereof; and
FIG. 9 is a rear elevational view thereof.



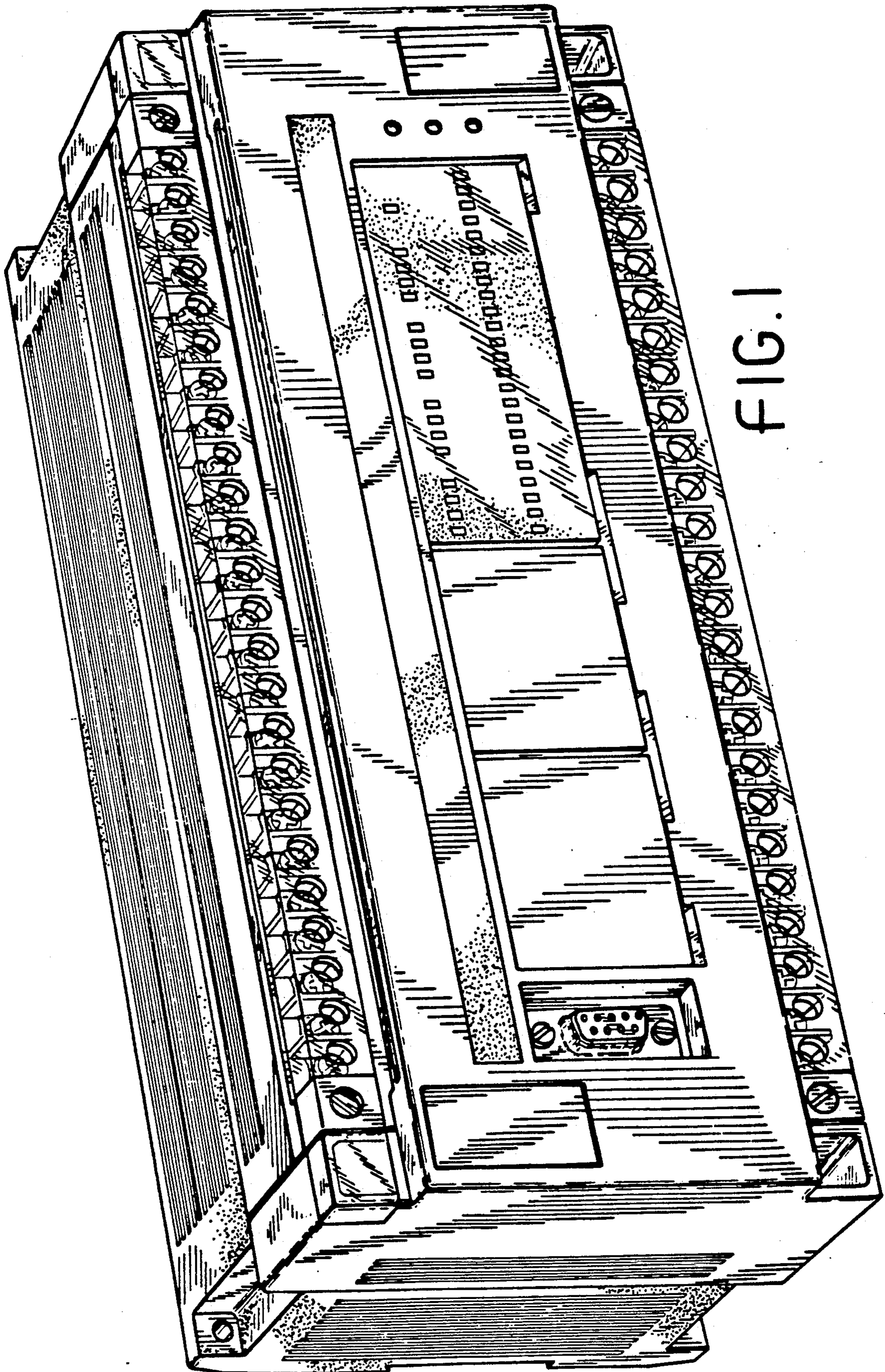


FIG. 1

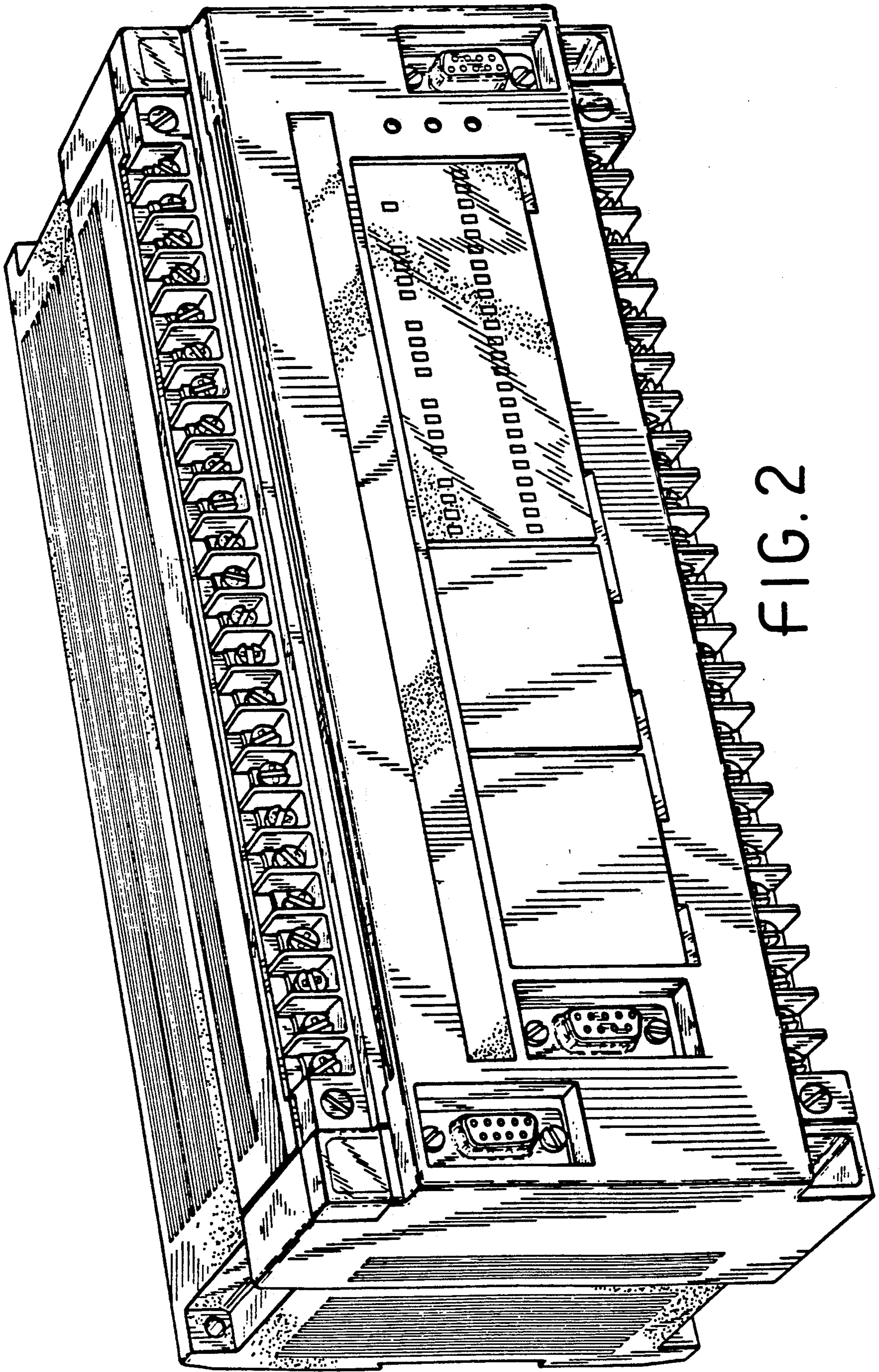


FIG. 2

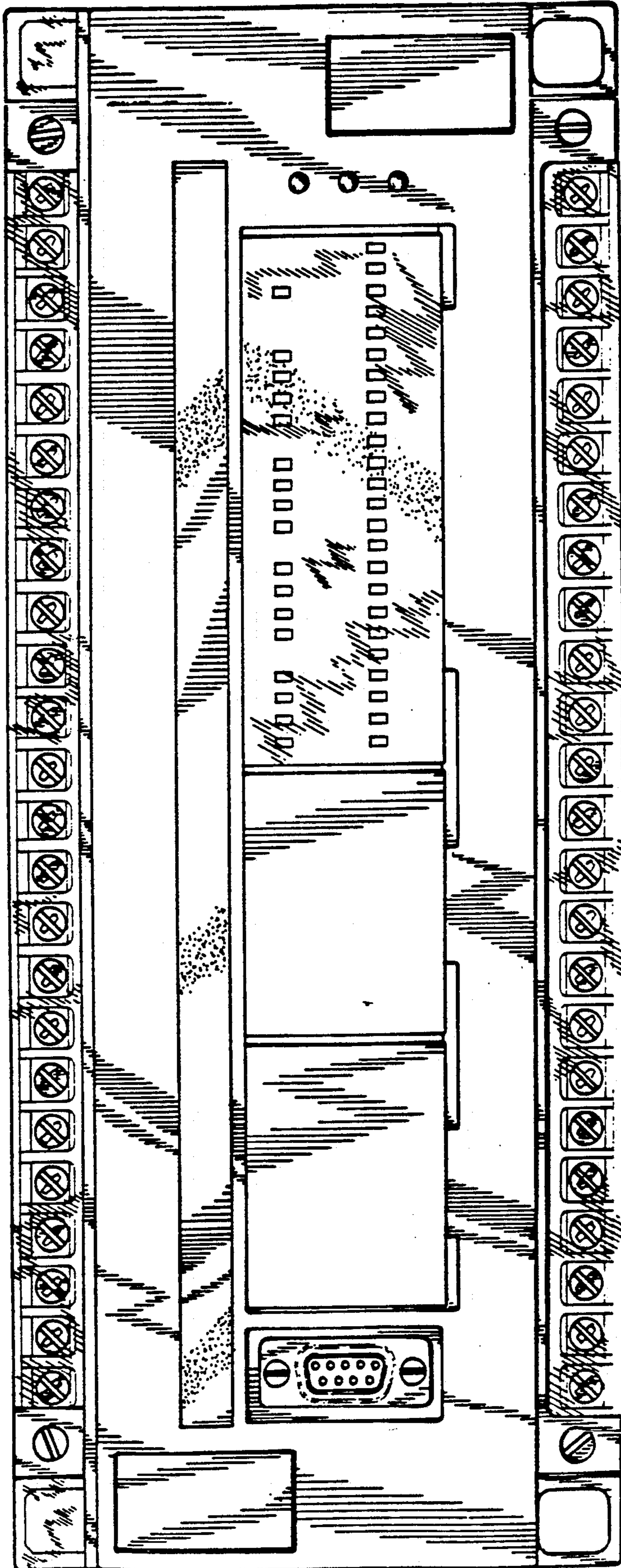


FIG. 3

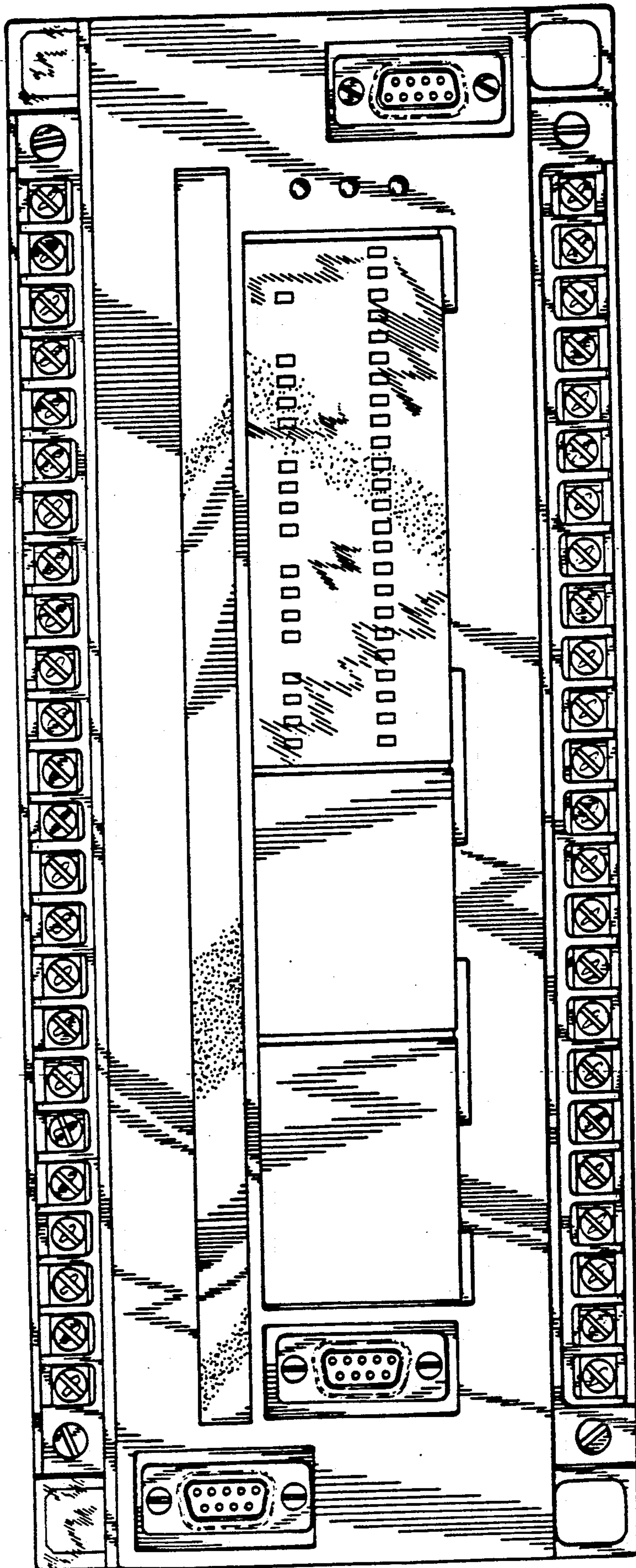


FIG. 4

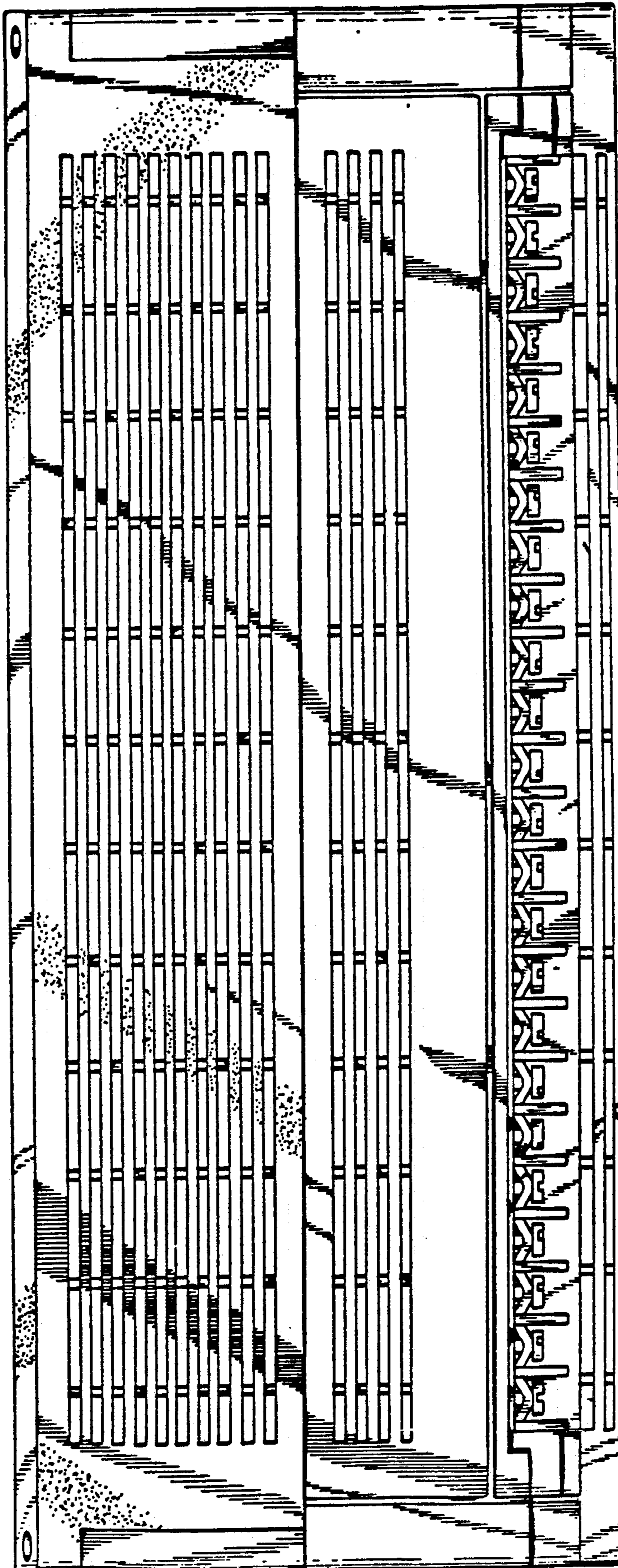


FIG. 5

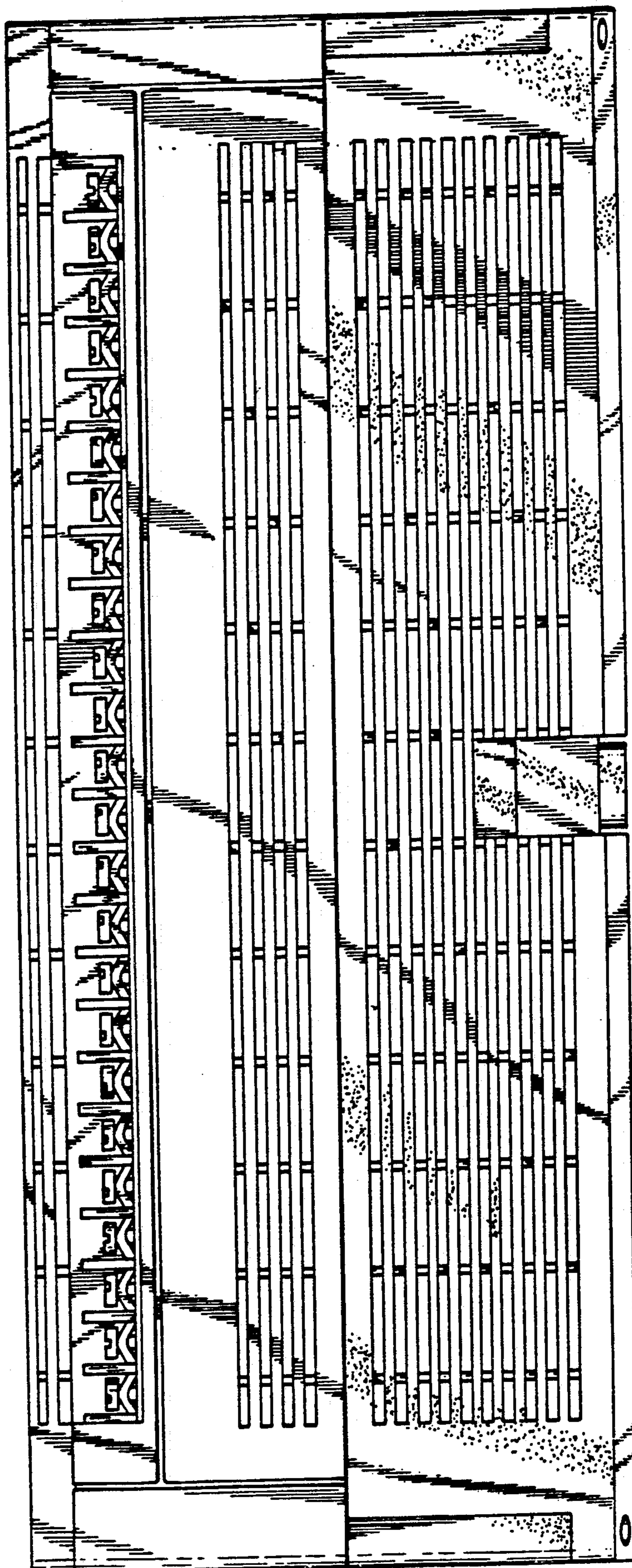


FIG. 6

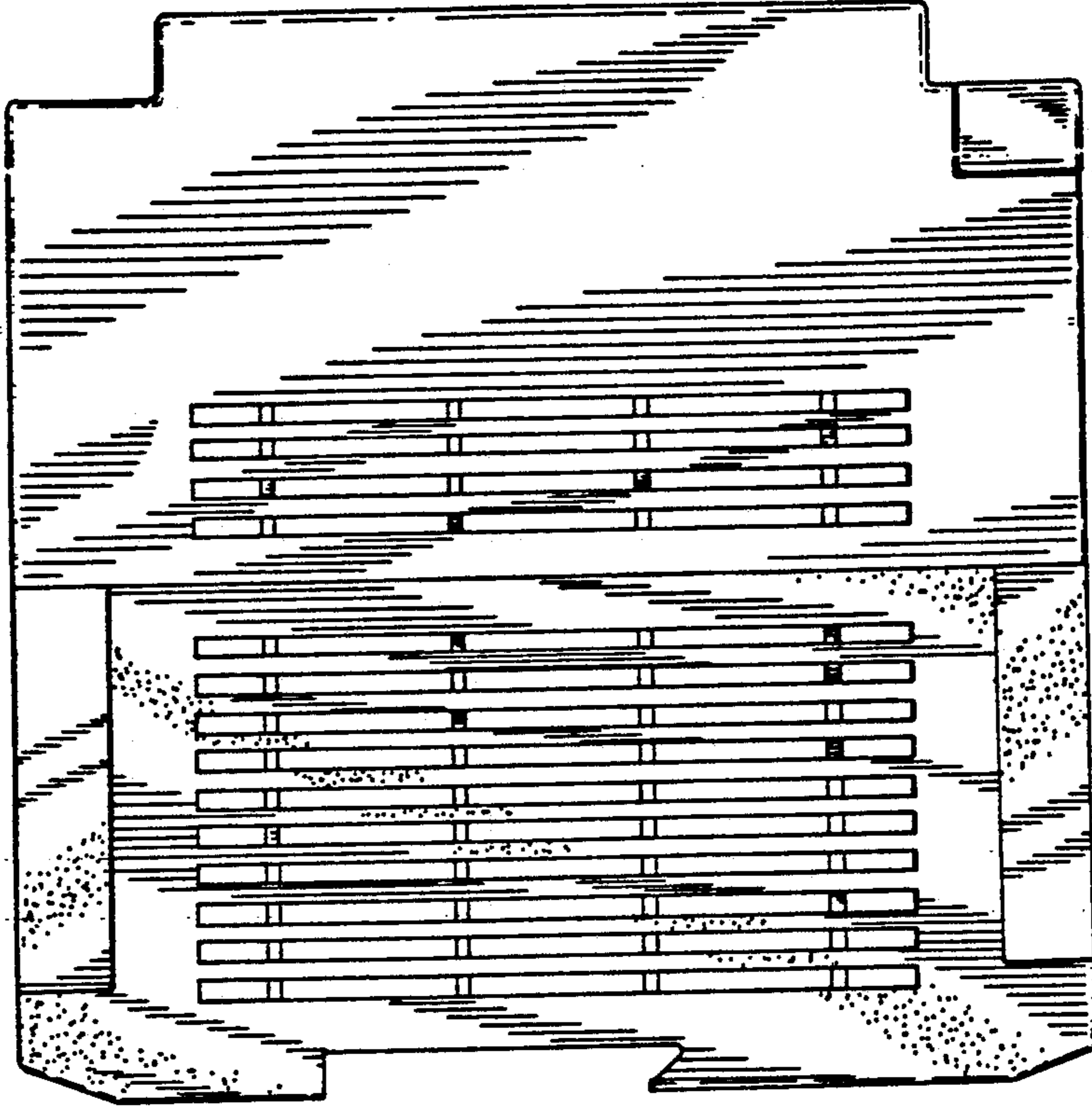


FIG. 8

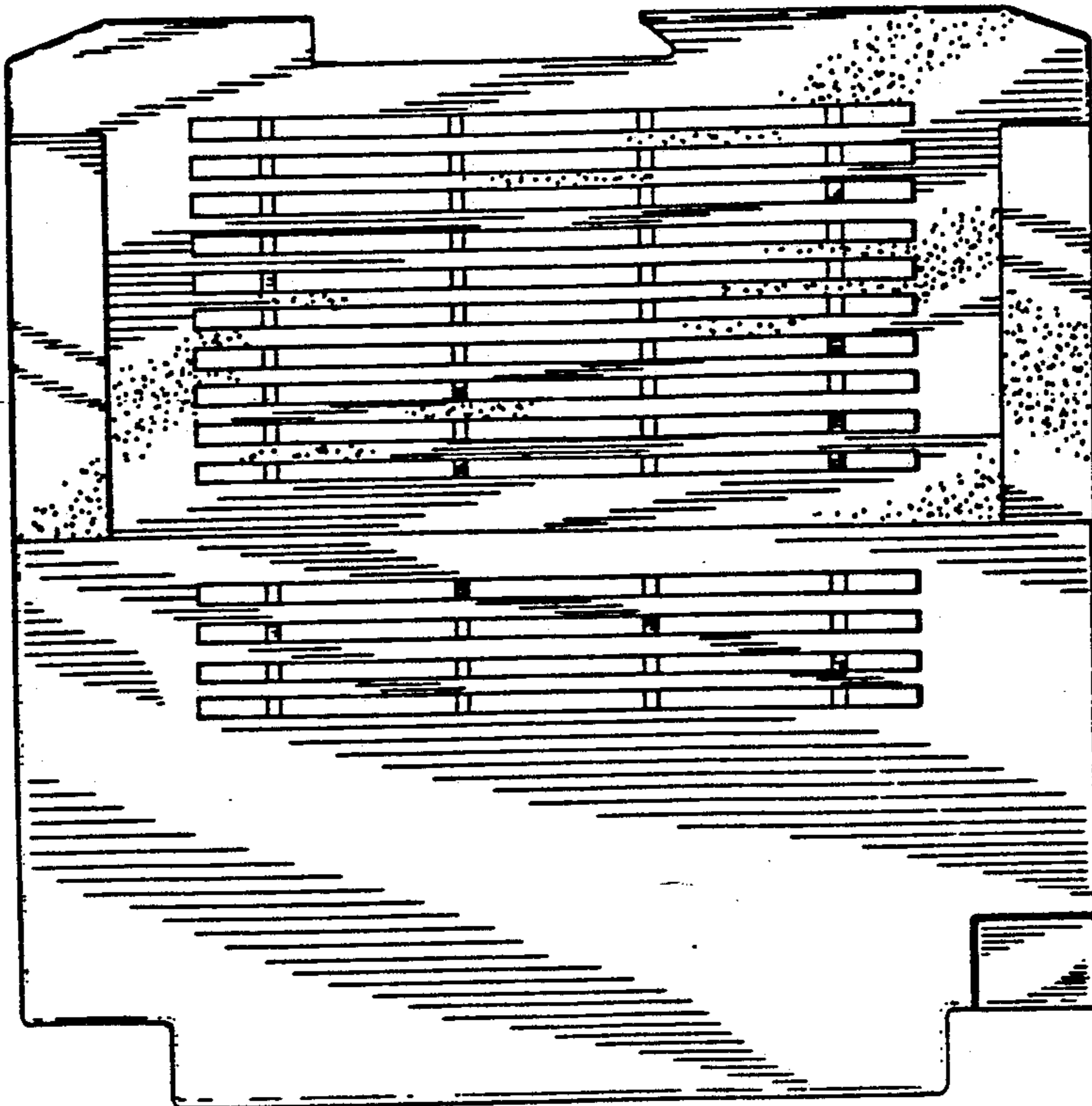


FIG. 7

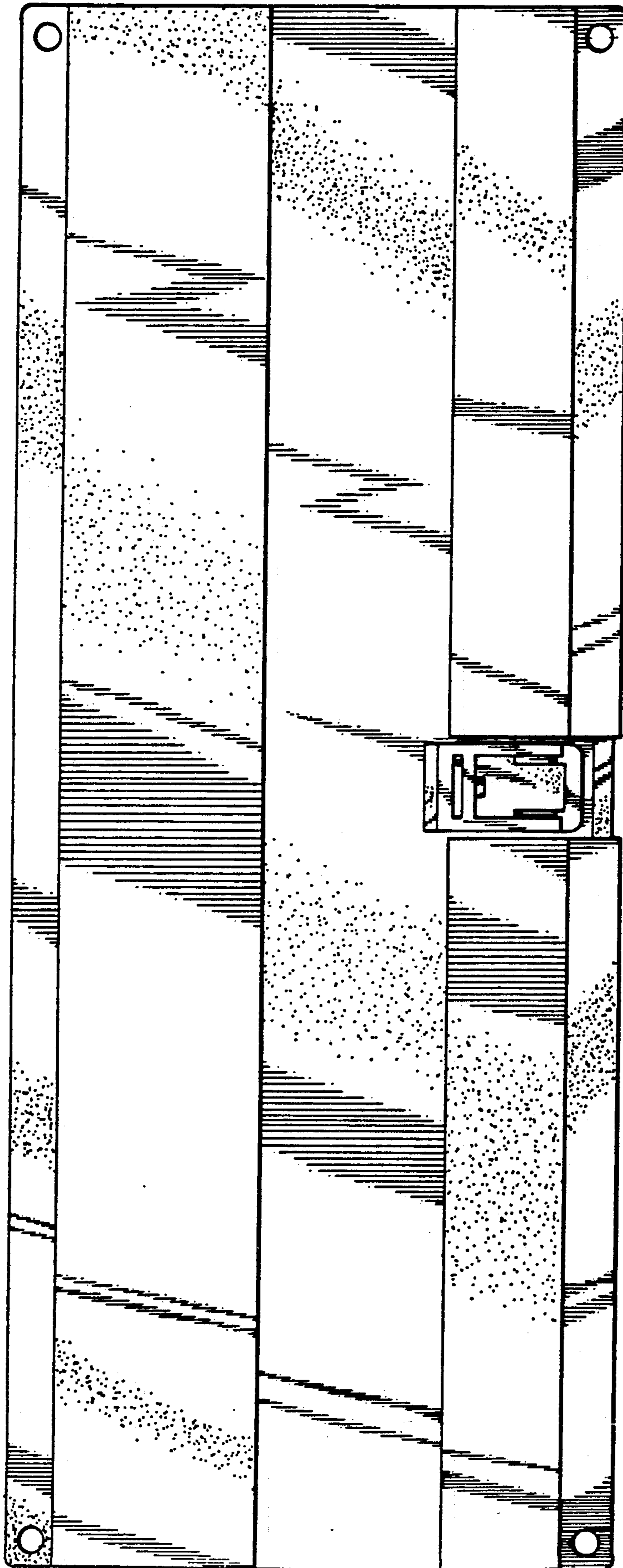


FIG. 9