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United States Patent [19]
Wakabayashi

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[54] **MULTI PORT REPEATER FOR LOCAL AREA NETWORK**
[75] **Inventor: Hiroshi Wakabayashi, Ibaraki, Japan**
[73] **Assignee: Hirakawa Hewtech Corporation, Tokyo, Japan**
[**] **Term: 14 Years**
[21] **Appl. No.: 69,727**
[22] **Filed: Apr. 21, 1997**
[30] **Foreign Application Priority Data**
Mar. 14, 1997 [JP] Japan 9-7496
[51] **LOC (6) Cl. 14-03**
[52] **U.S. Cl. D14/240; D13/147; D14/107; D14/256**
[58] **Field of Search D14/140, 142, D14/149, 240, 256, 100, 107, 114, 155, 159, 137, 242, 188, 198; D13/147, 152, 184, 164, 162; 379/419, 420, 428, 440, 441, 442, 399, 418; 361/823, 724; 174/52.1, 59, 52.3, 53; 385/134, 135; 439/412, 417, 709; 455/347, 90, 561, 436, 550; 375/211, 222**

D. 314,183 1/1991 Wong D13/147 X
D. 314,369 2/1991 Sacherman D13/184 X
D. 326,443 5/1992 Ingalsbe D14/256
D. 328,293 7/1992 Mak et al. D14/137
D. 329,426 9/1992 Hutton D13/184
D. 330,701 11/1992 Suzuki et al. D13/162
D. 331,394 12/1992 Kobayashi et al. D14/107
D. 344,710 3/1994 Morgan et al. D14/107 X
D. 346,370 4/1994 Hetfield et al. D13/184 X
D. 349,104 7/1994 Wetrin D14/100
D. 351,601 10/1994 Rak D14/242

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[57] **CLAIM**

The new and ornamental design for a multi port repeater for local area network, shown and described.

DESCRIPTION

FIG. 1 is a top, plan view of the multi port repeater for local area network showing our new design;
FIG. 2 is a front elevational view thereof;
FIG. 3 is a rear elevational view thereof;
FIG. 4 is a right side elevational view thereof;
FIG. 5 is a left side elevational view thereof;
FIG. 6 is a bottom plan view thereof; and,
FIG. 7 is a front and upper right perspective view thereof;
FIG. 8 is a cross sectional view taken along lines A—A of FIG. 2;
FIG. 9 is a cross sectional view taken along lines B—B of FIG. 2; and,
FIG. 10 is a cross sectional view taken along lines C—C of FIG. 2.

[56] **References Cited**
U.S. PATENT DOCUMENTS
D. 214,909 8/1969 Brefka D13/184
D. 253,281 10/1979 Kim D13/184 X
D. 296,899 7/1988 Chu et al. D14/107 X
D. 303,246 9/1989 Freeman et al. D14/137
D. 309,298 7/1990 Pushelberg D14/107

1 Claim, 4 Drawing Sheets

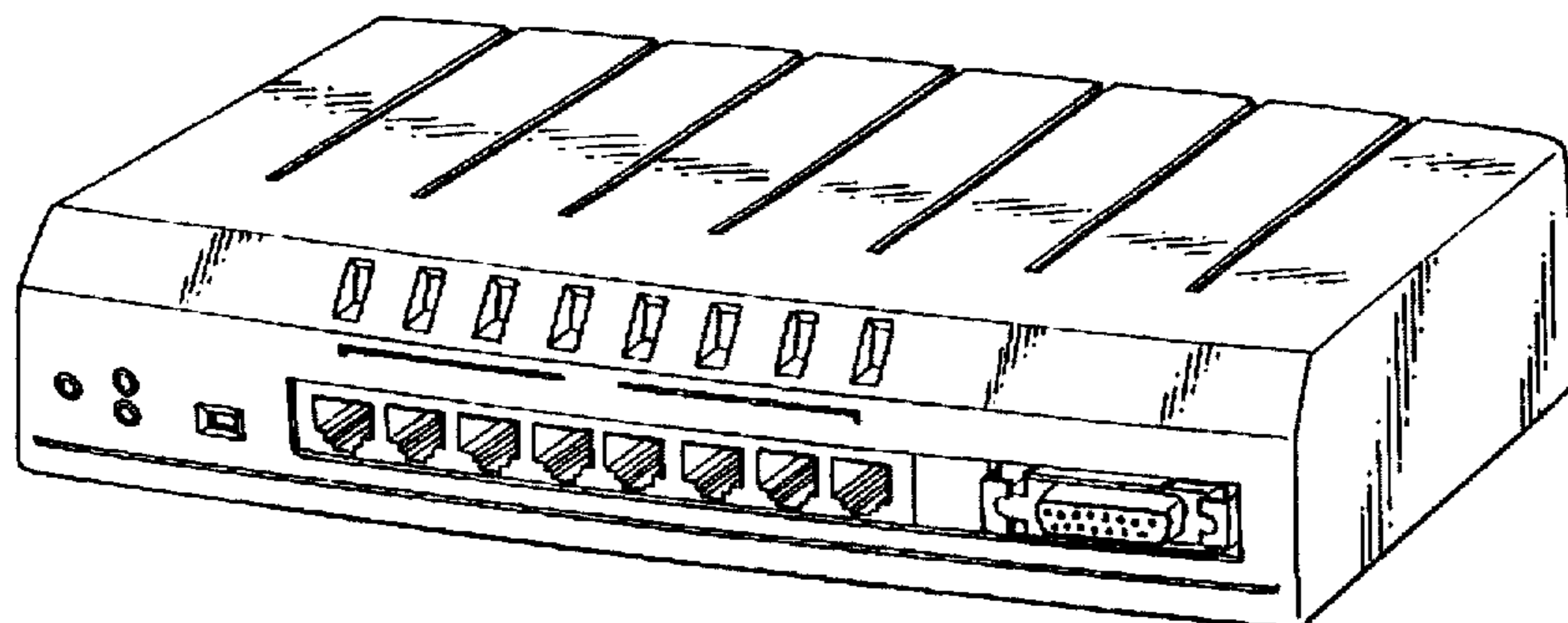


FIG. 1

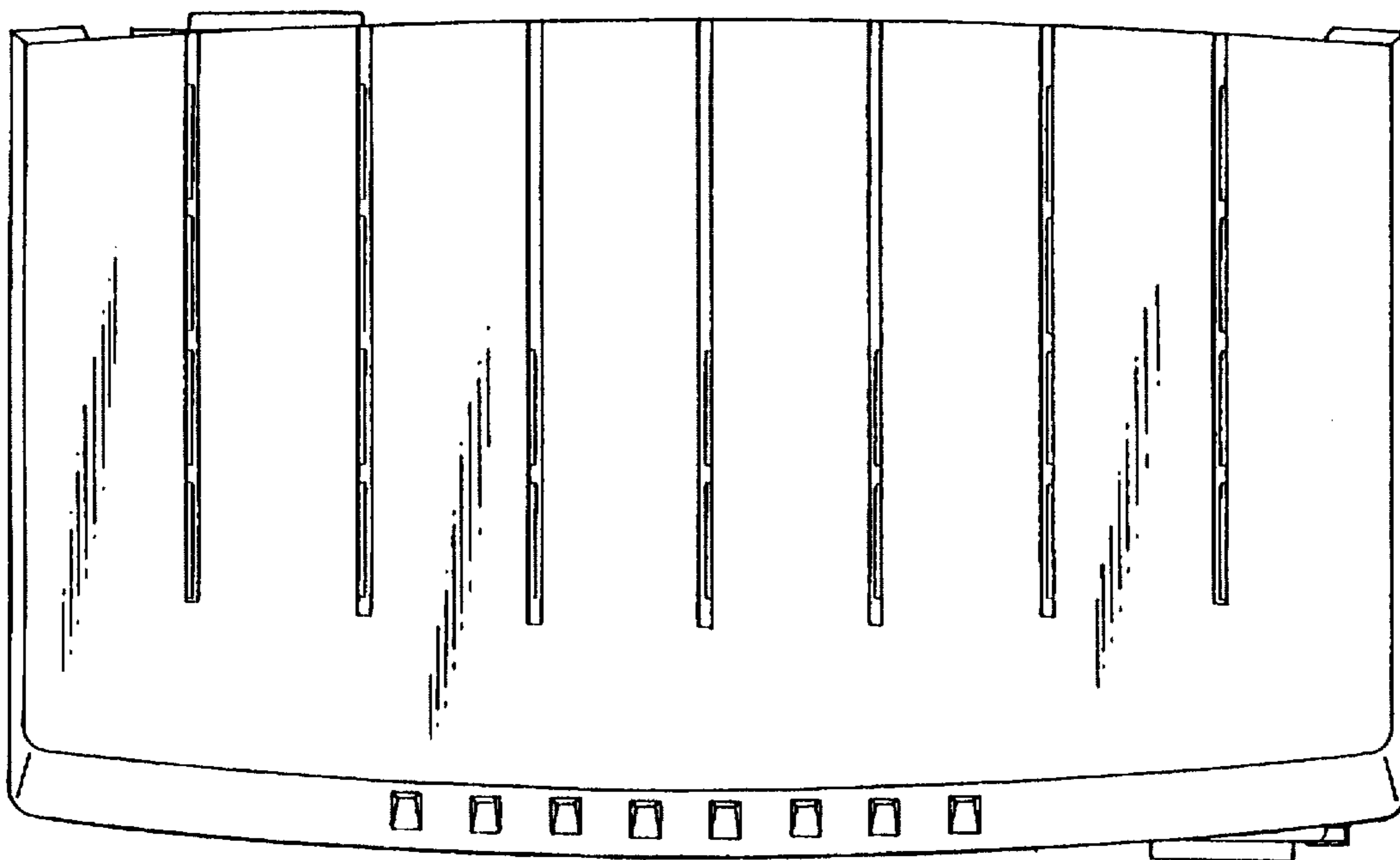


FIG. 2

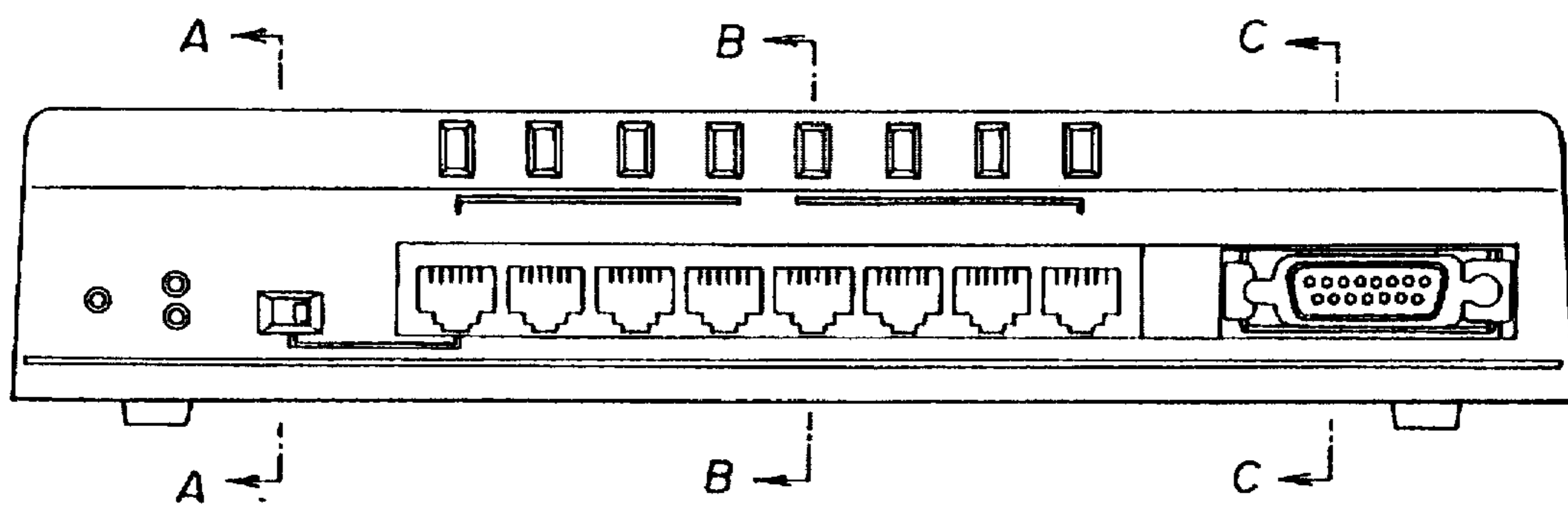


FIG. 3

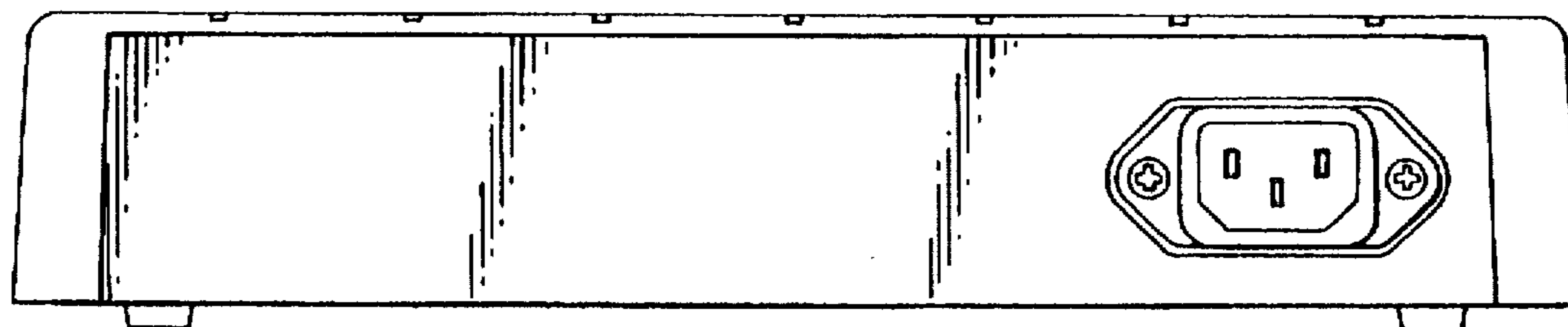


FIG. 4

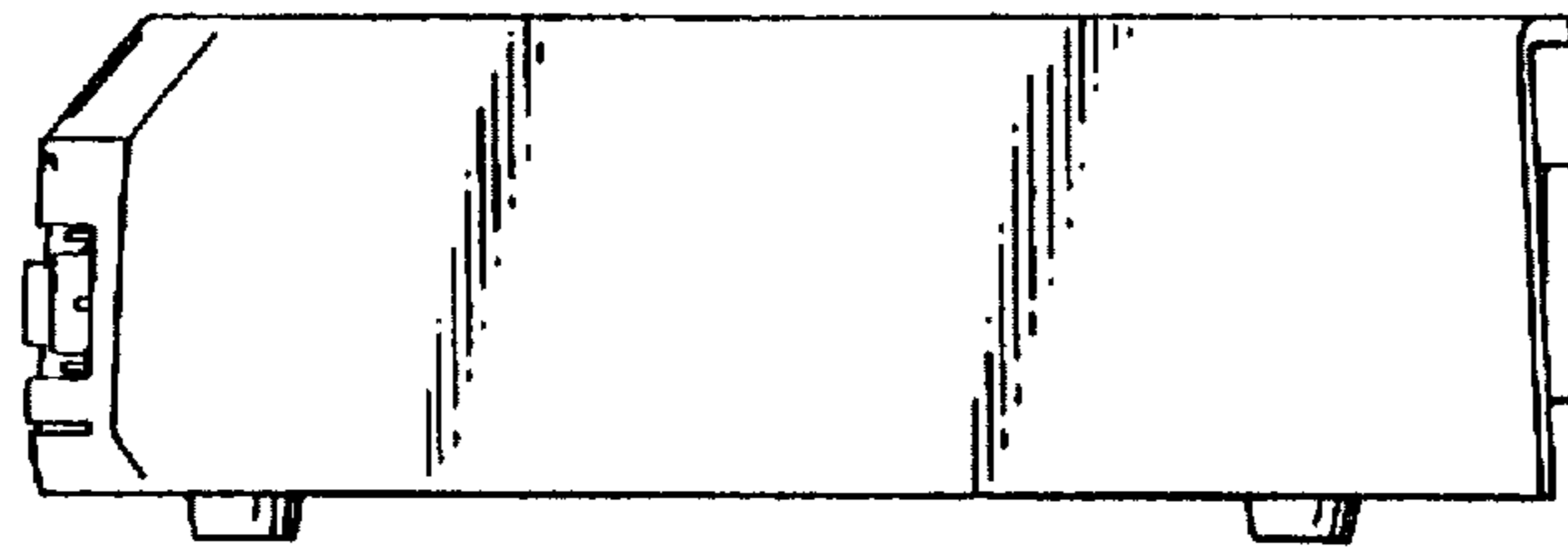


FIG. 5

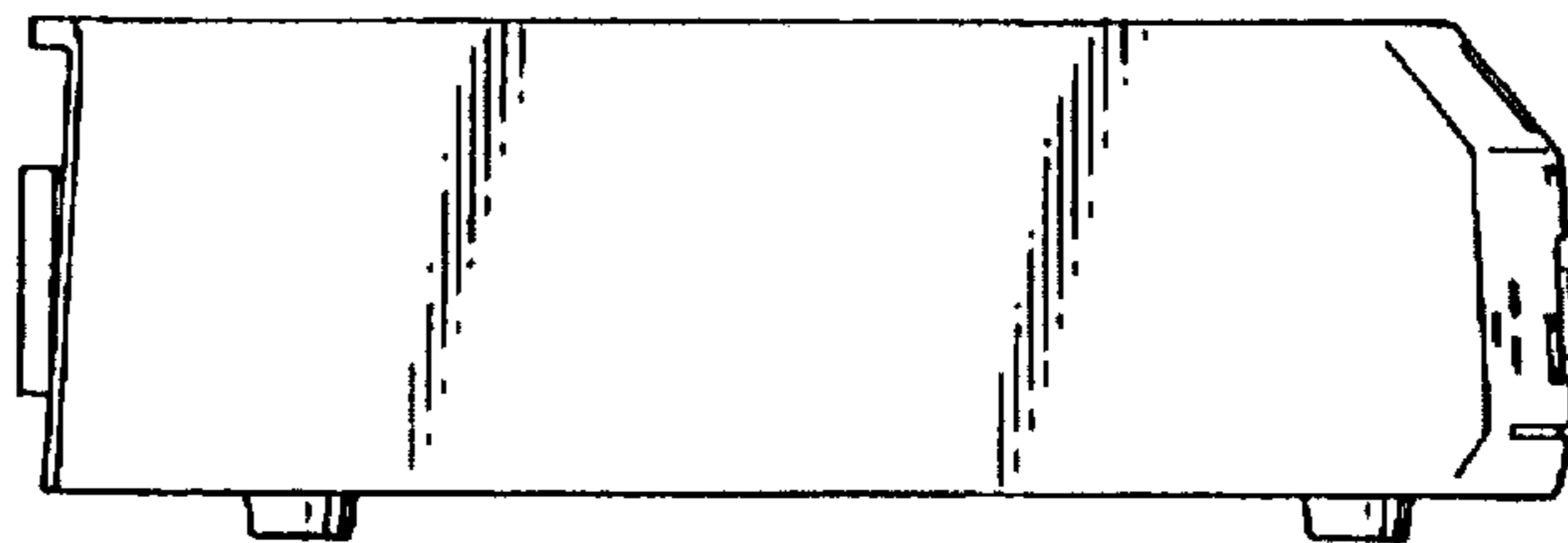


FIG. 6

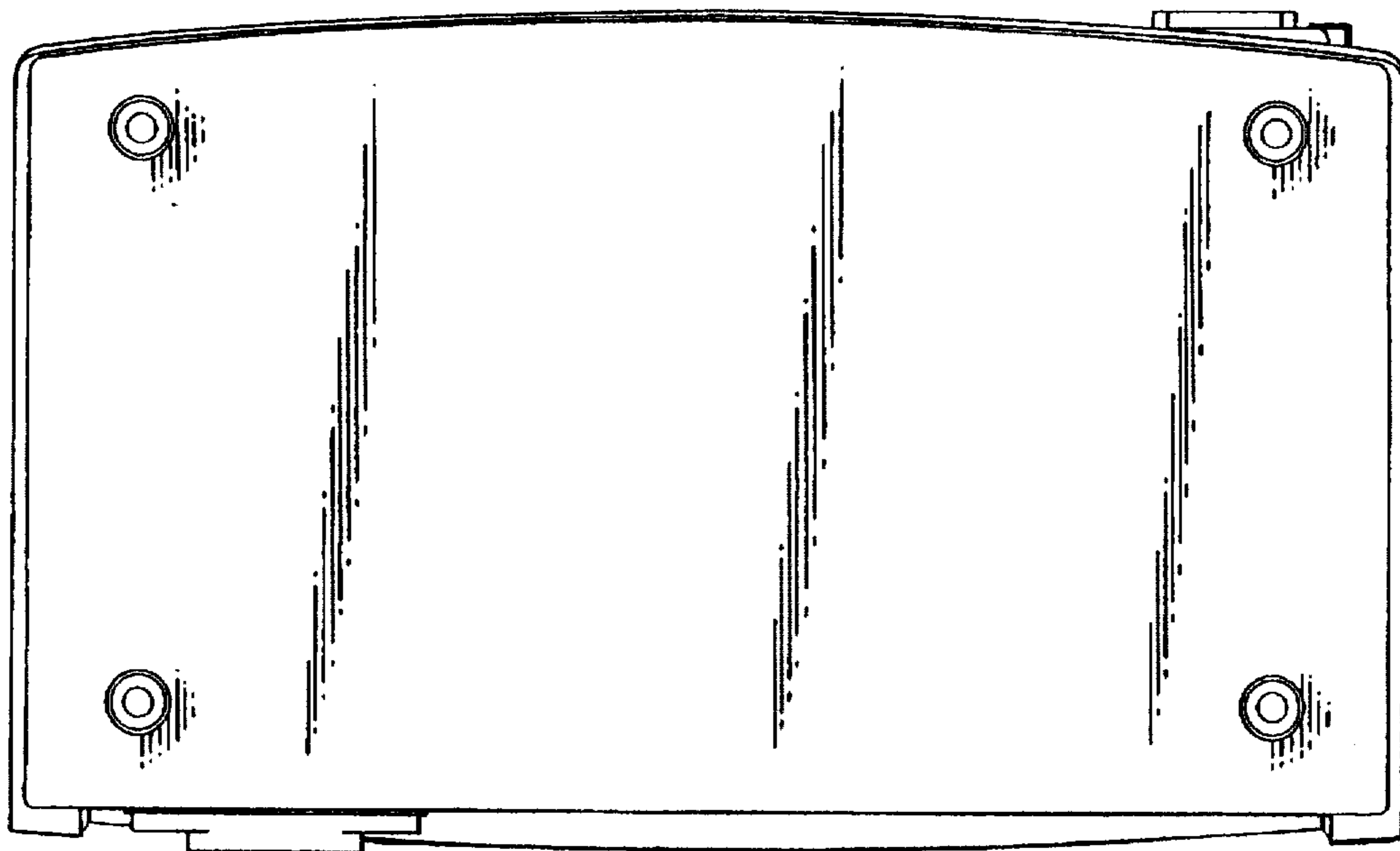


FIG. 7

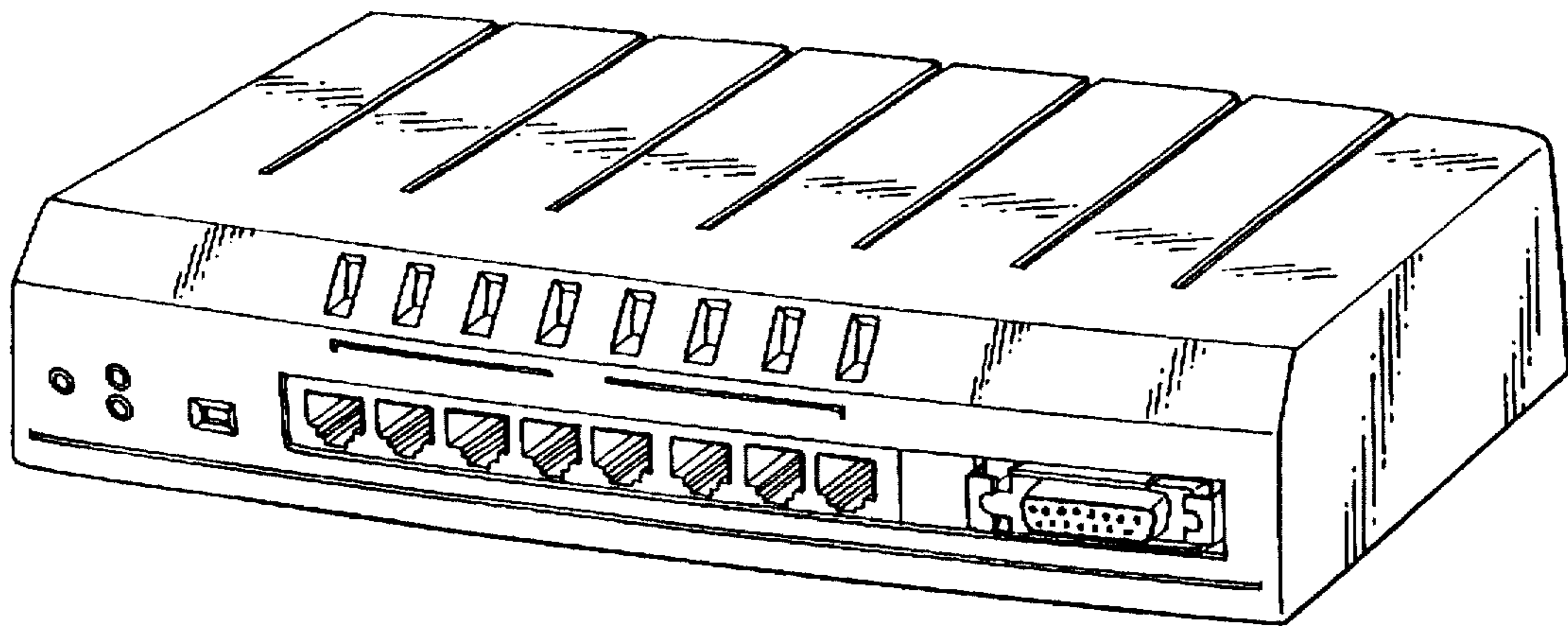


FIG. 8

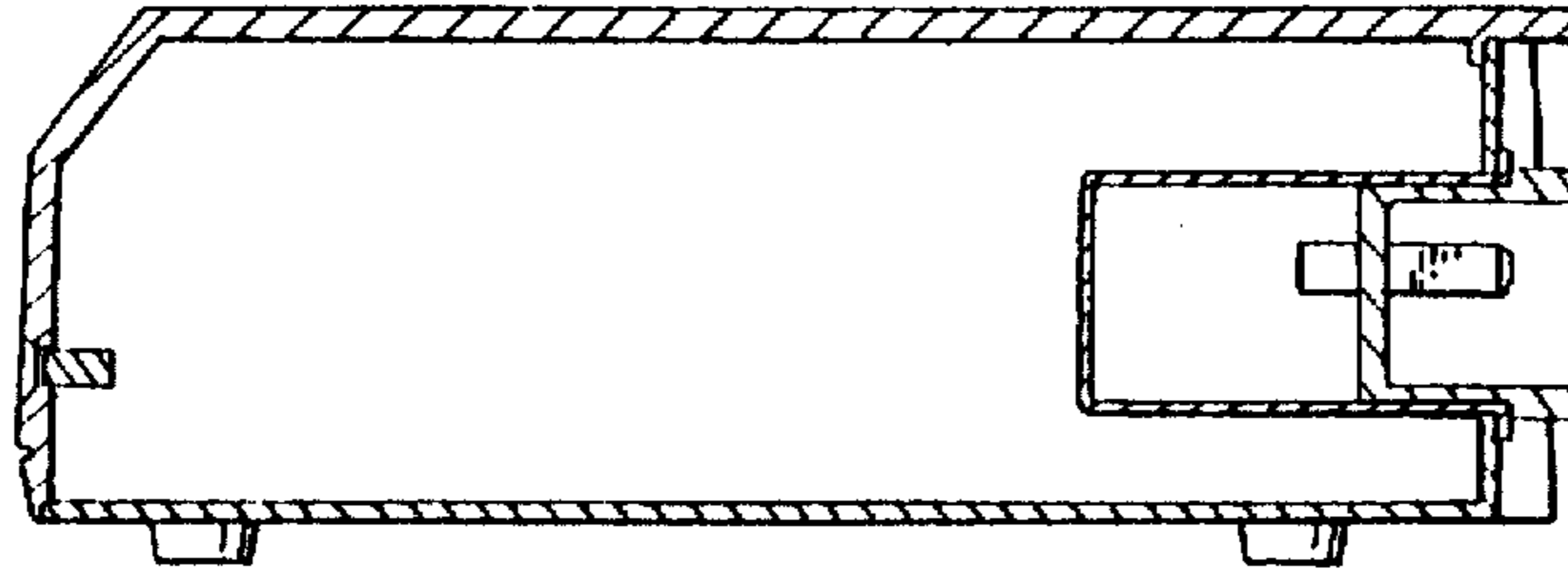


FIG. 9

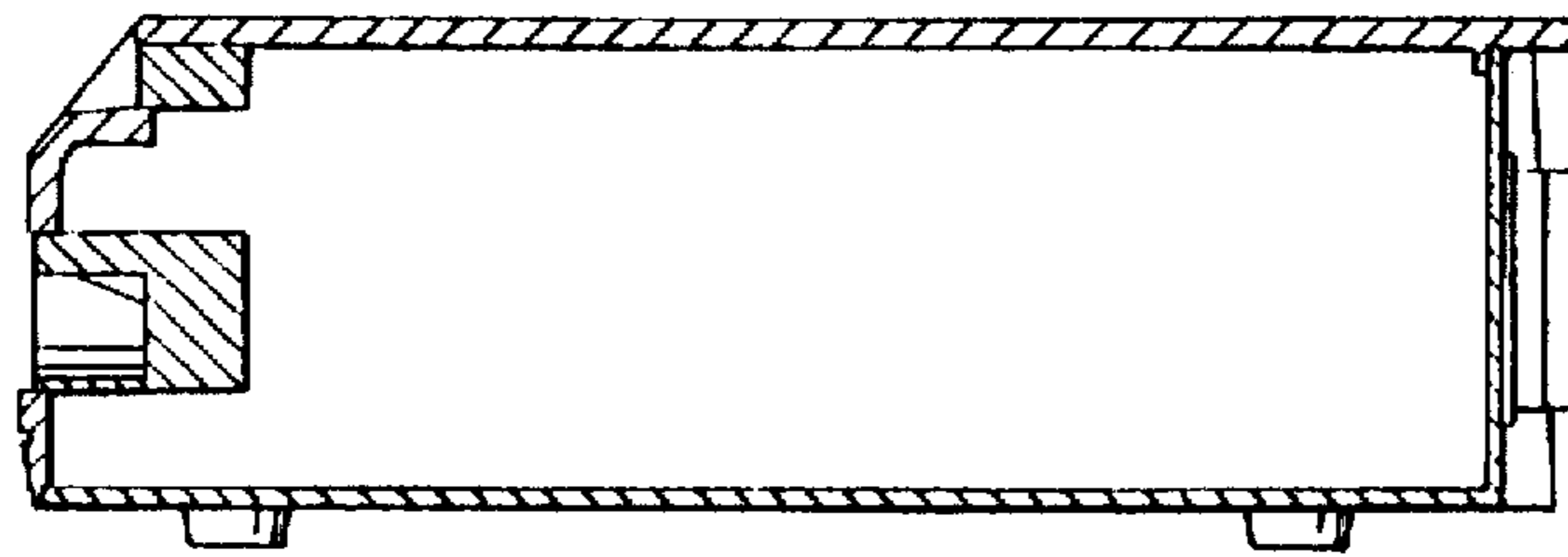


FIG. 10

