

- [54] PROGRAMMABLE CONTROLLER
- [75] Inventors: **Kiichi Naoi; Yuichi Watanabe; Hitoshi Manta**, all of Tokyo, Japan
- [73] Assignee: **Koyo Electronics Industries Co., Ltd.**, Tokyo, Japan
- [**] Term: **14 Years**
- [21] Appl. No.: **900,479**
- [22] Filed: **Aug. 26, 1986**
- [52] U.S. Cl. **D13/12**
- [58] Field of Search **D13/12, 35, 40, 41, D13/99; D14/100, 101, 114; 361/331-334, 346, 390-394; 364/141, 146, 147, 188, 190-193; 901/3, 4, 5**

- 4,152,750 5/1979 Bremenour et al. 361/383
- 4,250,563 2/1981 Struger 361/393
- 4,672,511 6/1987 Meusel et al. 361/380

OTHER PUBLICATIONS

Designer News, Nov. 1985.

Primary Examiner—Susan J. Lucas
Assistant Examiner—Joel Sincavage
Attorney, Agent, or Firm—Sughrue, Mion, Zinn, Macpeak & Seas

CLAIM

The ornamental design for a programmable controller, as shown.

DESCRIPTION

FIG. 1 is a front, top and left side perspective view of a programmable controller 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 left side elevational view thereof; and FIG. 7 is a right side elevational view thereof.

- [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. 287,117 12/1986 Saiki et al. D13/12
- D. 292,394 10/1987 Boucher D13/12

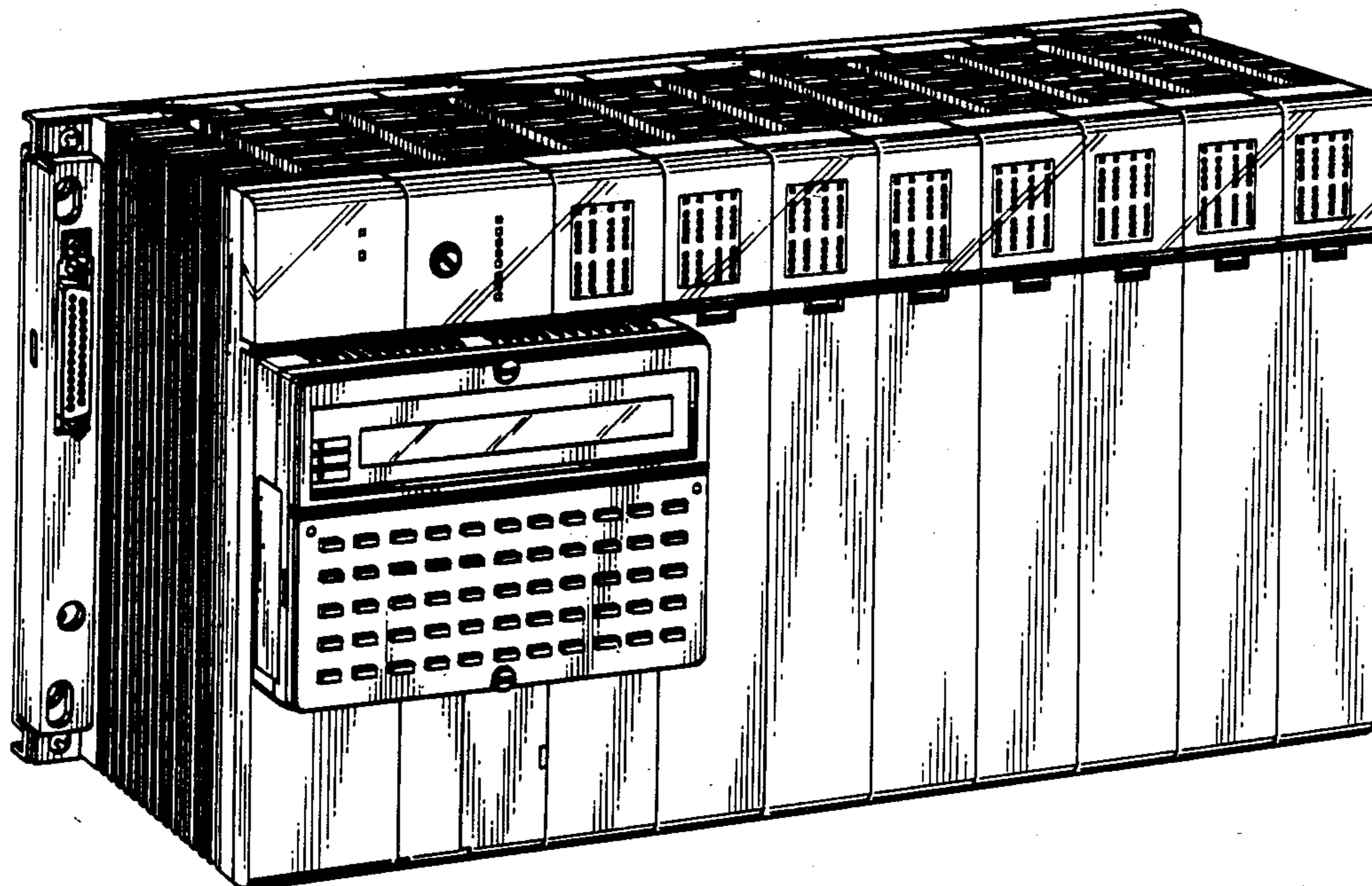


Fig. 1

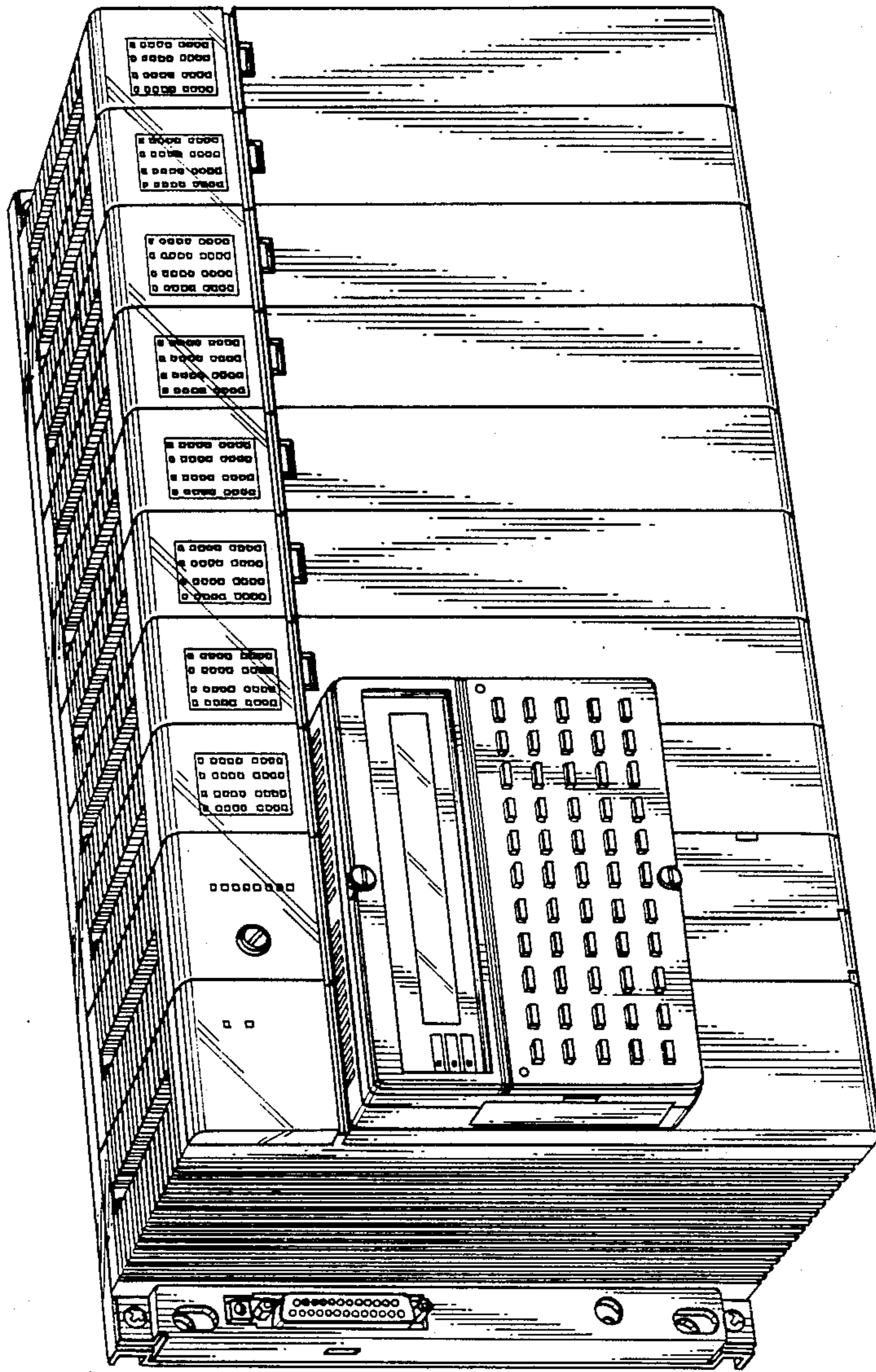


Fig. 2

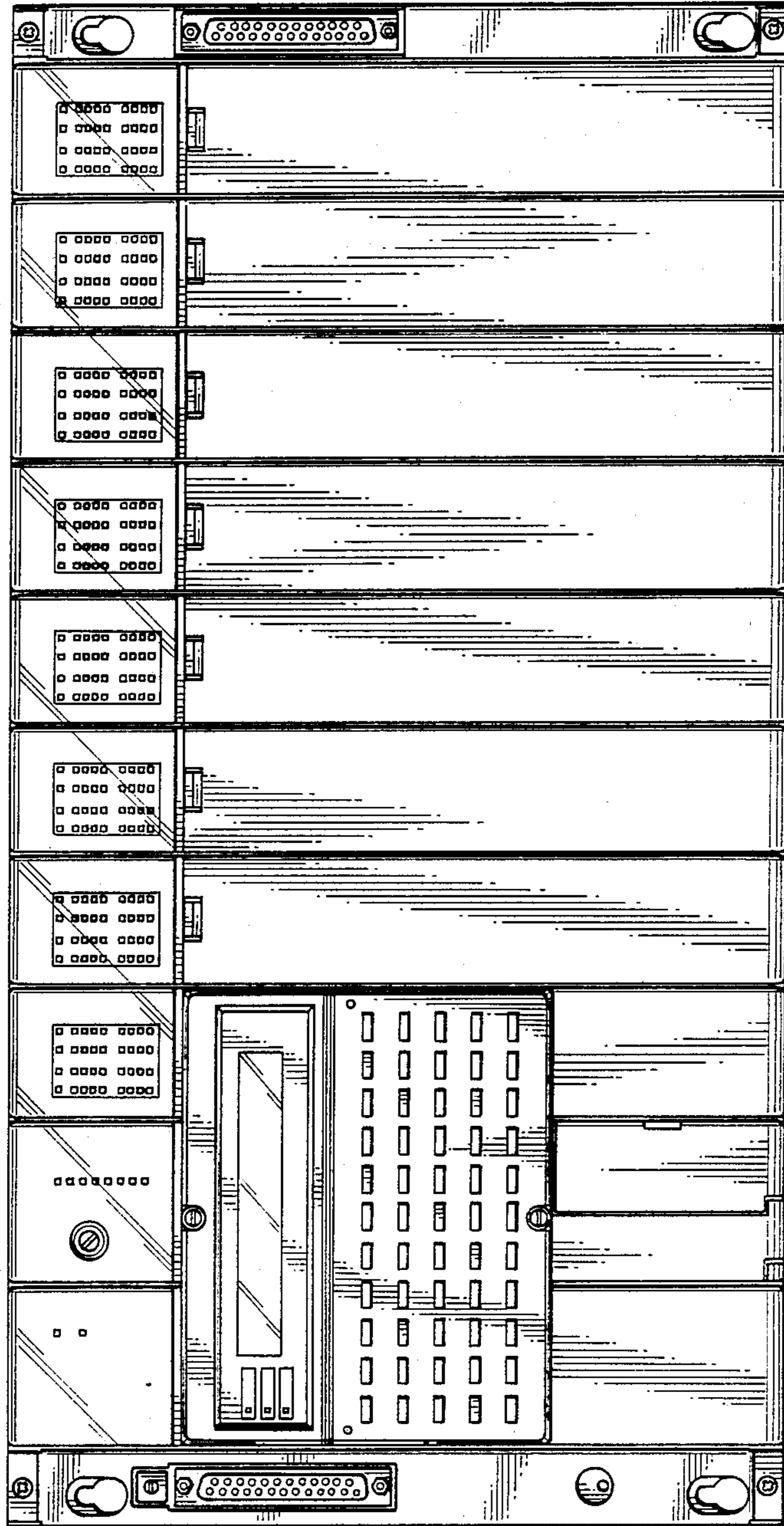


Fig. 3

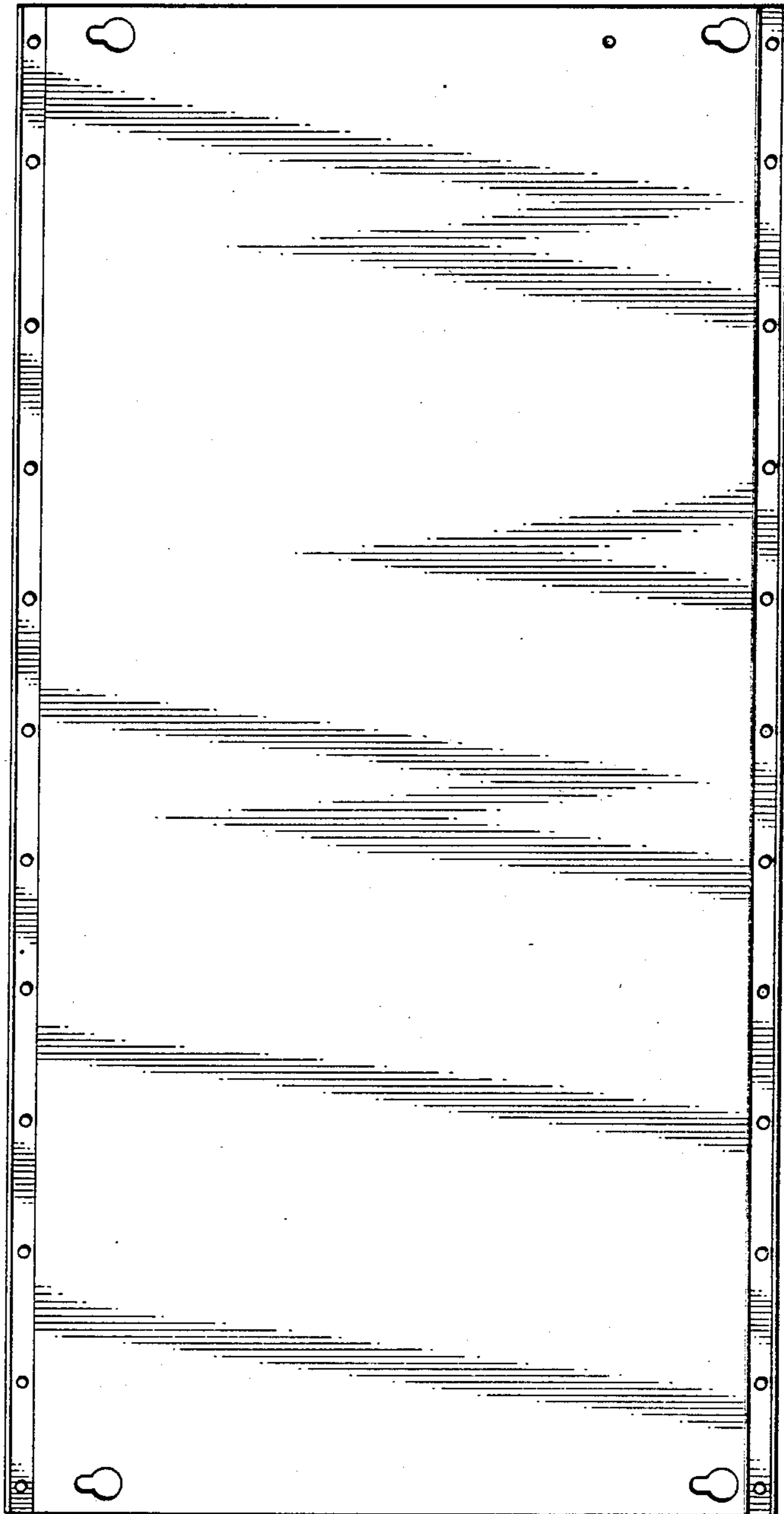


Fig. 4

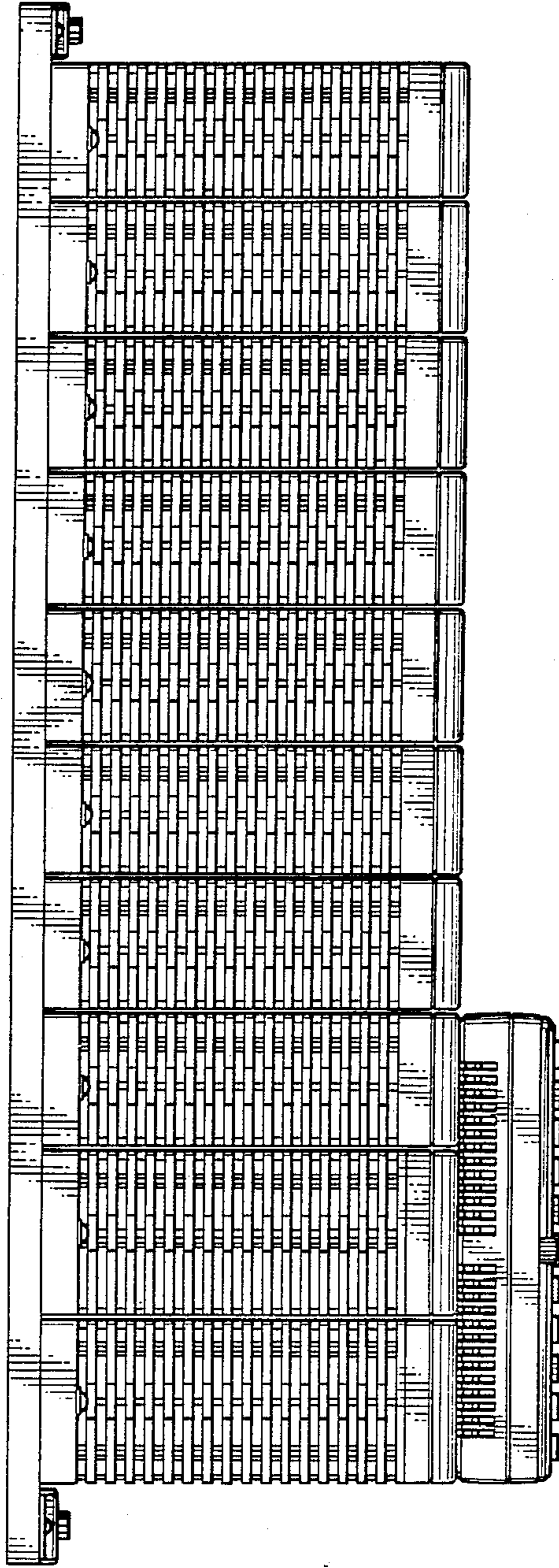


Fig. 5

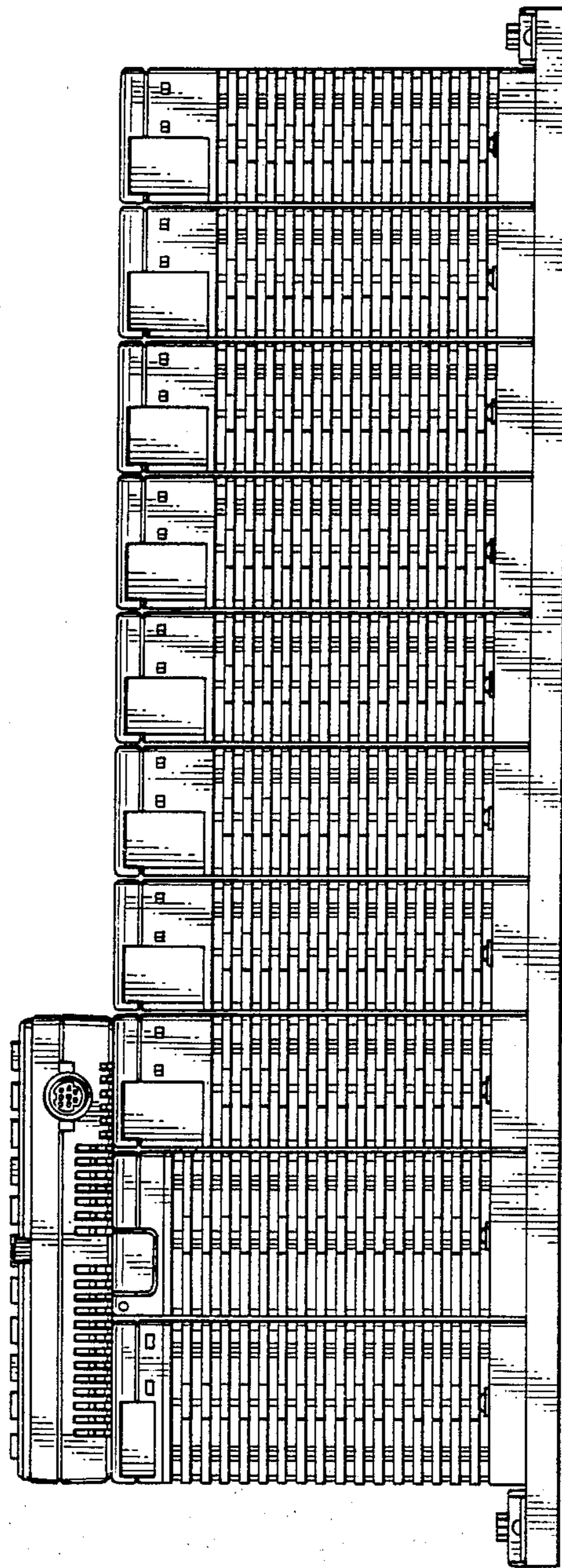


Fig. 7

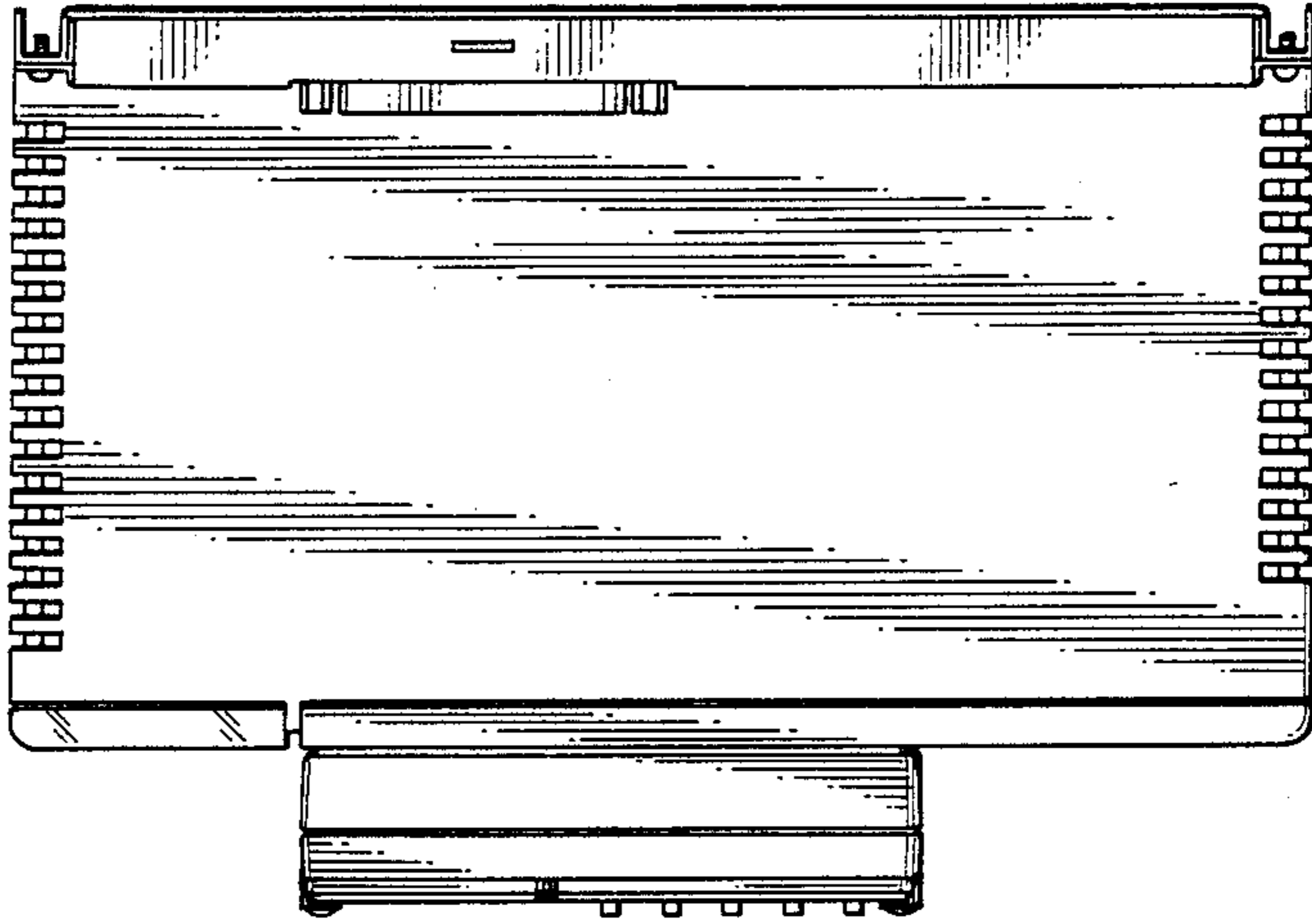


Fig. 6

