

US00D495700S1

(12) **United States Design Patent**
Mukai et al.

(10) **Patent No.:** **US D495,700 S**

(45) **Date of Patent:** **** Sep. 7, 2004**

(54) **IC CARD READER AND WRITER**

(75) Inventors: **Tadaharu Mukai**, Nara-ken (JP);
Yasuo Sugishima, Chiba-ken (JP)

(73) Assignee: **Sharp Kabushiki Kaisha**, Osaka (JP)

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

(21) Appl. No.: **29/195,408**

(22) Filed: **Dec. 12, 2003**

(30) **Foreign Application Priority Data**

Jun. 12, 2003 (JP) 2003-016568

(51) **LOC (7) Cl.** **14-02**

(52) **U.S. Cl.** **D14/356**

(58) **Field of Search** D14/354, 356,
D14/385, 420, 421, 387, 388; 361/680-686;
235/441, 483

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,015,830 A * 5/1991 Masuzawa et al. 235/441

5,235,171 A * 8/1993 Brun et al. 235/483
D350,120 S * 8/1994 Tsuboi et al. D14/385
D368,468 S * 4/1996 Kobayashi D14/388
D370,213 S * 5/1996 Iwamoto et al. D14/387
D411,524 S * 6/1999 Kitagawa et al. D14/356
D474,767 S * 5/2003 Heesen D14/354

* cited by examiner

Primary Examiner—Freda S. Nunn

(74) *Attorney, Agent, or Firm*—Nixon & Vanderhye

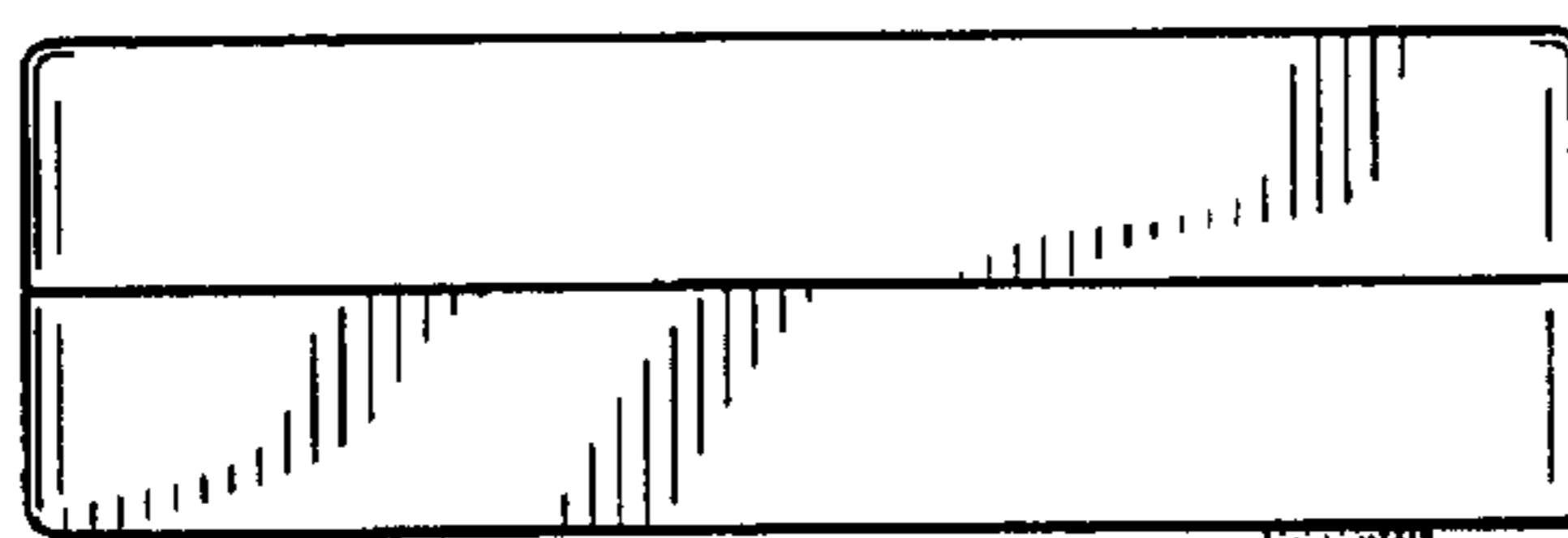
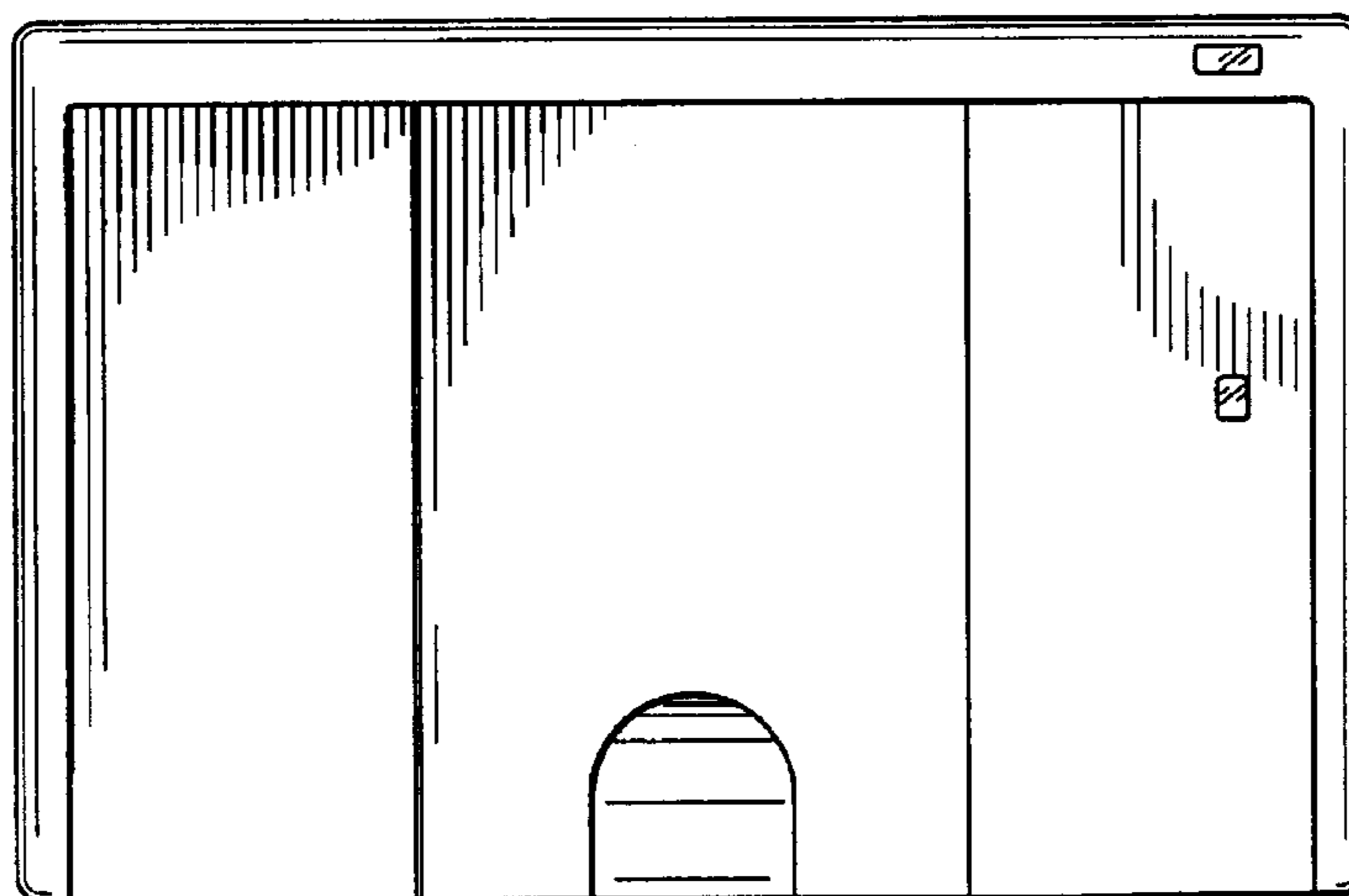
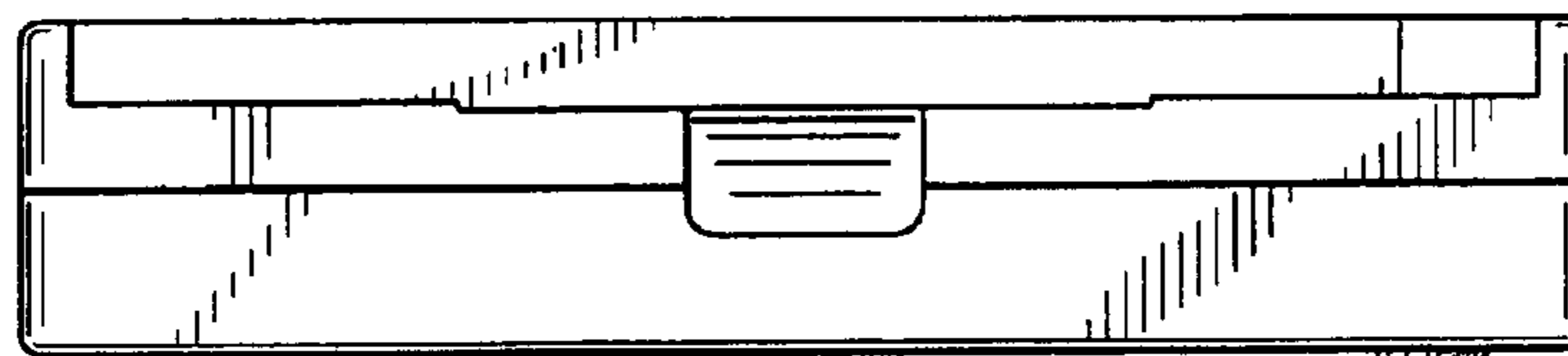
(57) **CLAIM**

The ornamental design for an “IC card reader and writer,” as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view of an IC card reader and writer according to our design;
FIG. 2 is a rear elevational view thereof;
FIG. 3 is a top plan view thereof;
FIG. 4 is a bottom plan view thereof; and,
FIG. 5 is a right side elevational view thereof, the left side elevational view being a mirror image.

1 Claim, 2 Drawing Sheets



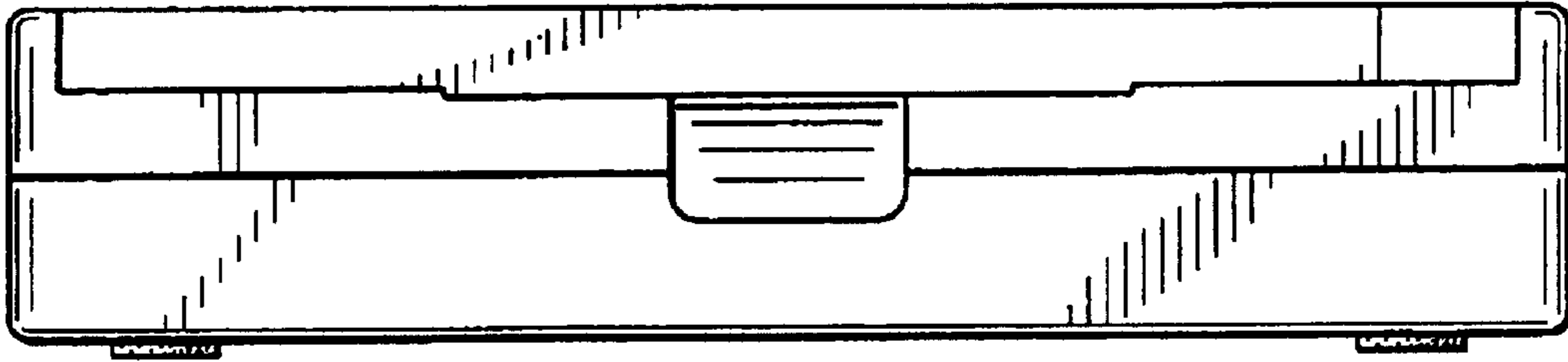


Fig. 1

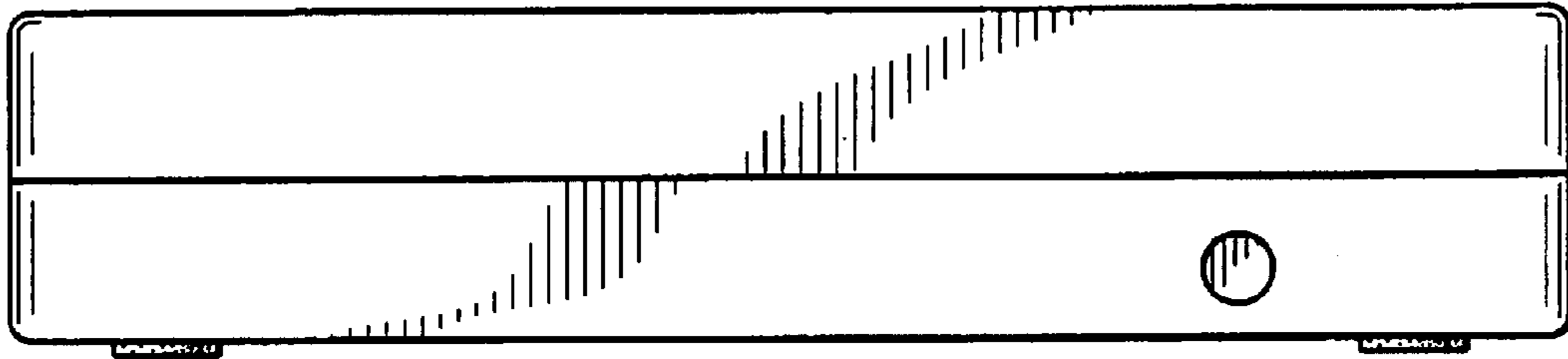


Fig. 2

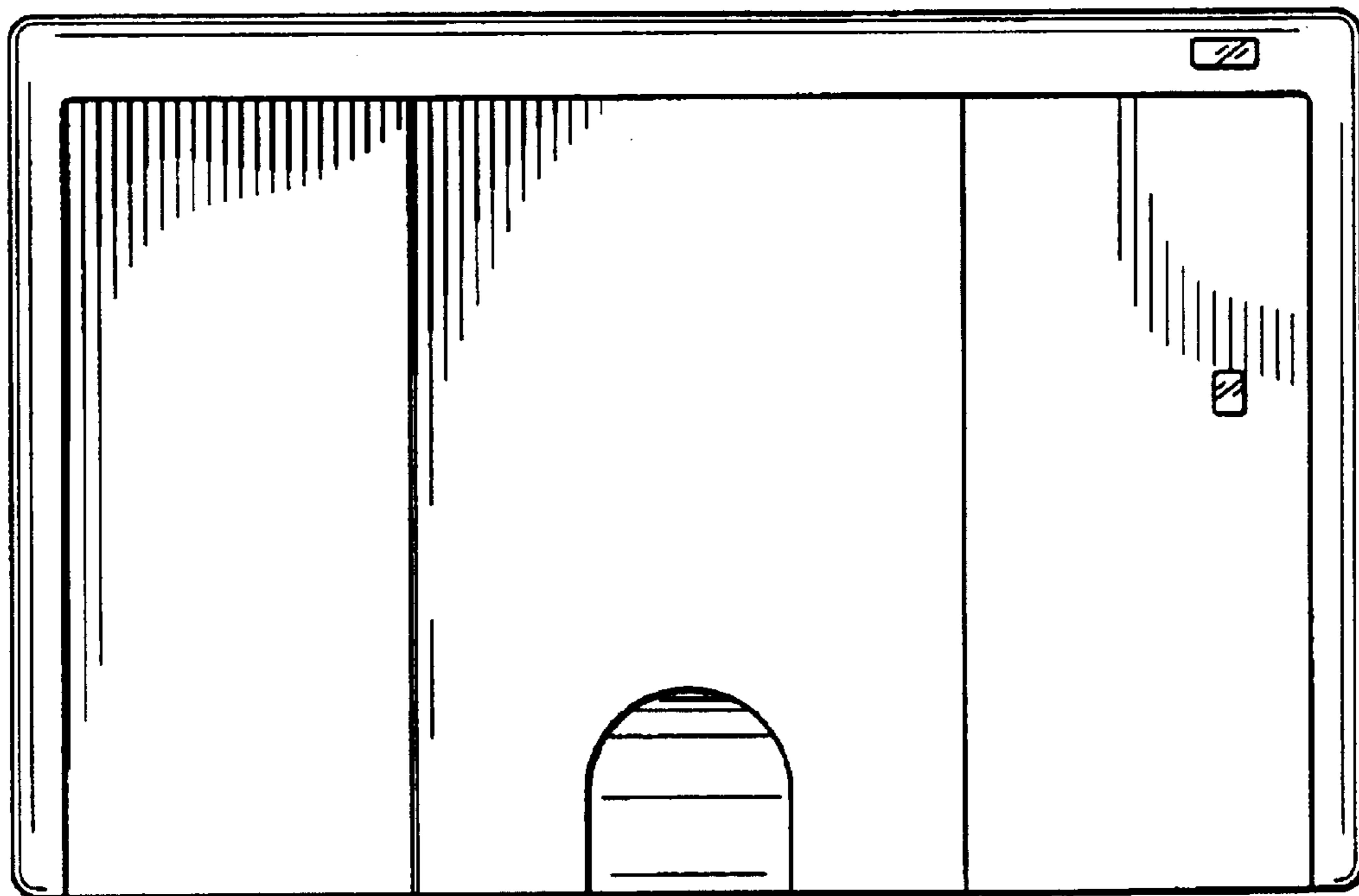


Fig. 3

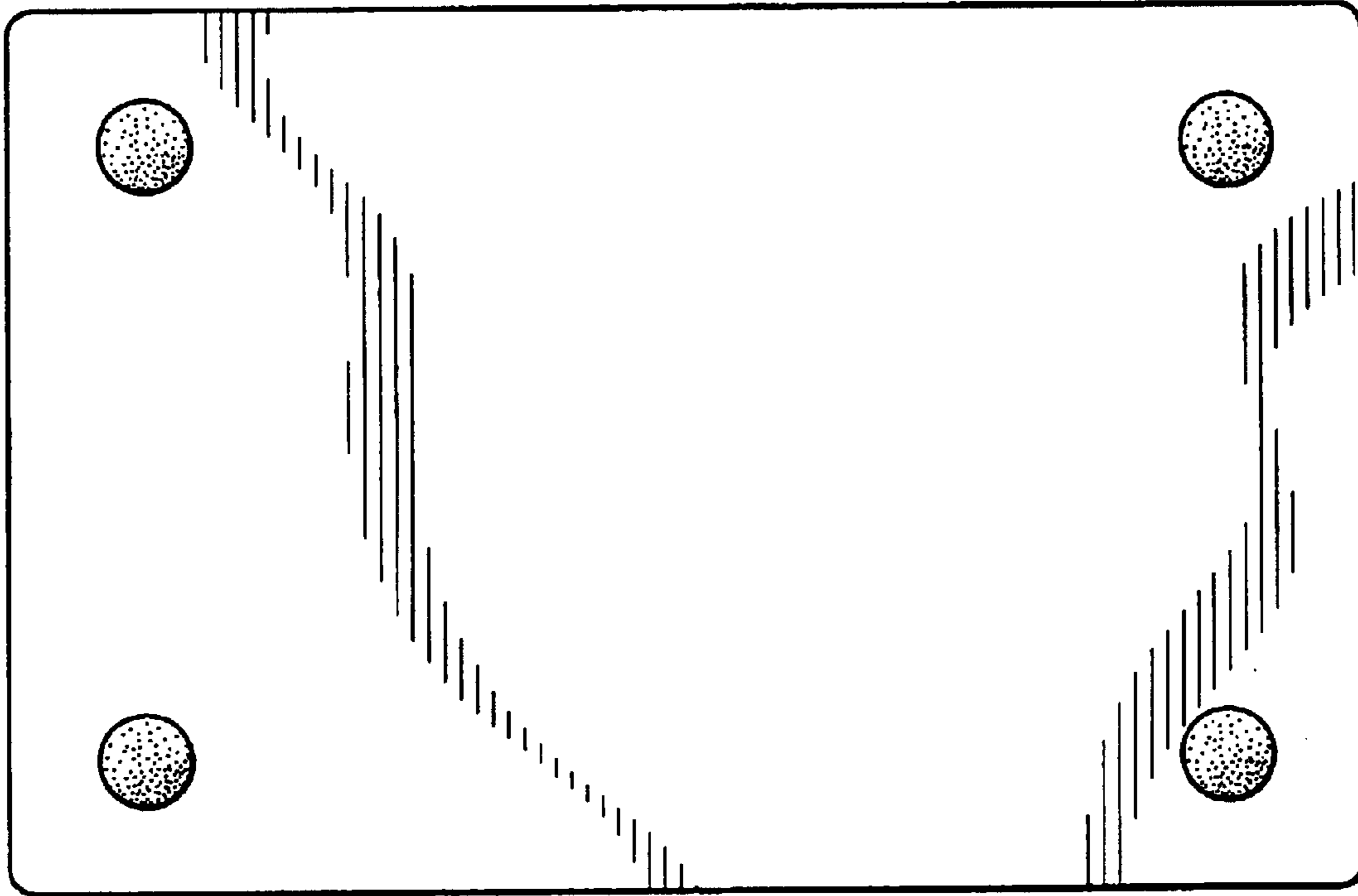


Fig. 4

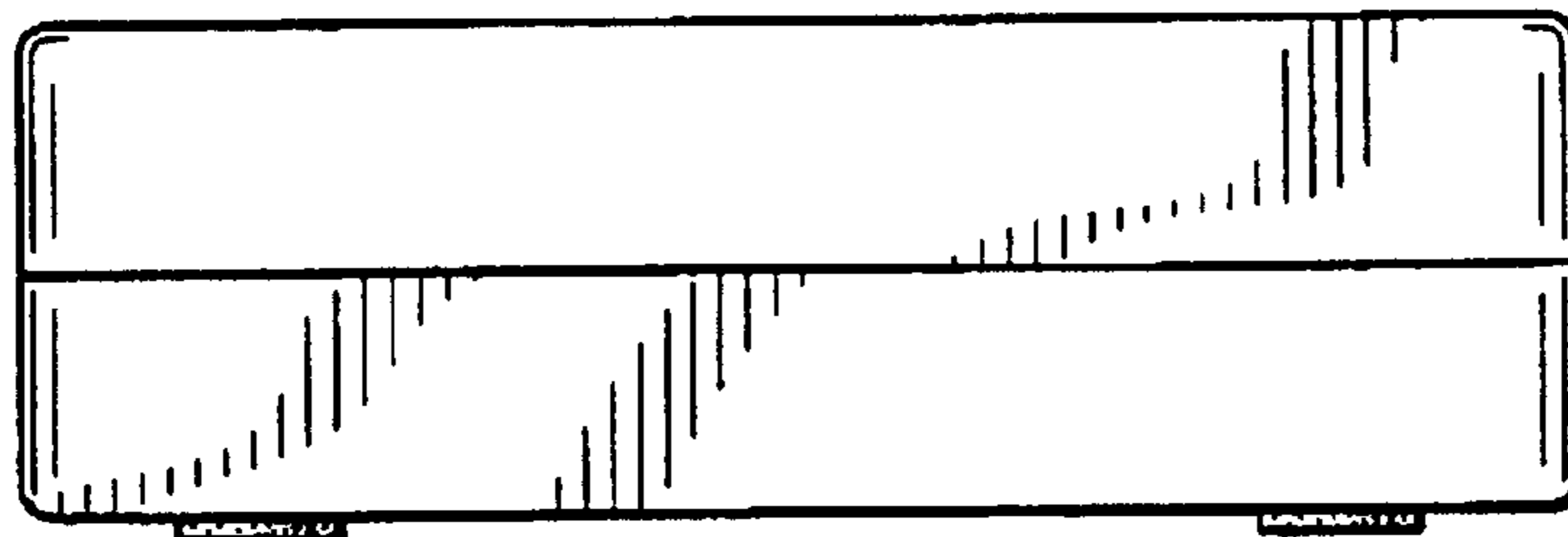


Fig. 5