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United States Patent [19]

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Inoue

[45] Date of Patent: **Mar. 10, 1998

[54] COMBINED FUNCTION EXPANDER AND
PRINTER FOR PERSONAL COMPUTER

5,163,766 11/1992 Fushimi et al. 400/691
5,209,583 5/1993 Lewis et al. 400/692

[75] Inventor: Manabu Inoue, Yokohama, Japan

FOREIGN PATENT DOCUMENTS

73179 11/1988 Japan D18/50

[73] Assignee: Canon Kabushiki Kaisha, Tokyo,
Japan

OTHER PUBLICATIONS

[**] Term: 14 Years

Citizen Amerton Corp. brochure for GSX-220 Wire Printer;
Nov. 1993.

[21] Appl. No.: 70,730

Epson brochure for EHT-30 Handheld Computer/Printer/
Scanner; Oct. 1993.

[22] Filed: May 14, 1997

Epson brochure for EHT-20 Handy Terminal/Printer/Scan-
ner; Aug. 1991.

[30] Foreign Application Priority Data

Norand Data Systems brochure for 80-Column Modular
Printer; 1988.

Nov. 18, 1996 [JP] Japan 8-34921

Canon Kabushiki Kaisha Corp. brochure for Combination
Printer & Scanner For Computer; Dec. 1991.

[51] LOC (6) Cl. 14-02

[52] U.S. Cl. D14/107; D18/50

[58] Field of Search D18/50, 54-55,
D18/19; D14/107; 400/613, 613.1-613.4,
691-694, 690.1-690.4; 439/95

Primary Examiner—Cathy Anne MacCormac
Attorney, Agent, or Firm—Fitzpatrick, Cella, Harper &
Scinto

[57] CLAIM

[56] References Cited

The ornamental design for a combined function expander
and printer for personal computer, as shown and described.

U.S. PATENT DOCUMENTS

DESCRIPTION

- D. 302,682 8/1989 Bloom et al. D18/54
- D. 307,596 5/1990 Hashira et al. D18/54
- D. 323,846 2/1992 Yamamoto D18/50
- D. 356,782 3/1995 Leman D14/407
- D. 359,034 6/1995 Kondo D14/107
- D. 360,567 7/1995 Takahaski D18/50
- D. 361,758 8/1995 Touens et al. D14/107
- D. 366,468 1/1996 Ryan et al. D14/107
- D. 366,469 1/1996 Youens D14/107
- D. 369,789 5/1996 Lucente, II et al. D14/107
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- D. 386,585 11/1997 Wathen et al. D14/107

FIG. 1 is a front view of a combined function expander and
printer for personal computer showing my new design;
FIG. 2 is a rear view thereof;
FIG. 3 is a top plan view thereof;
FIG. 4 is a bottom plan view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a right side view thereof; and,
FIG. 7 is a perspective view thereof.

1 Claim, 4 Drawing Sheets

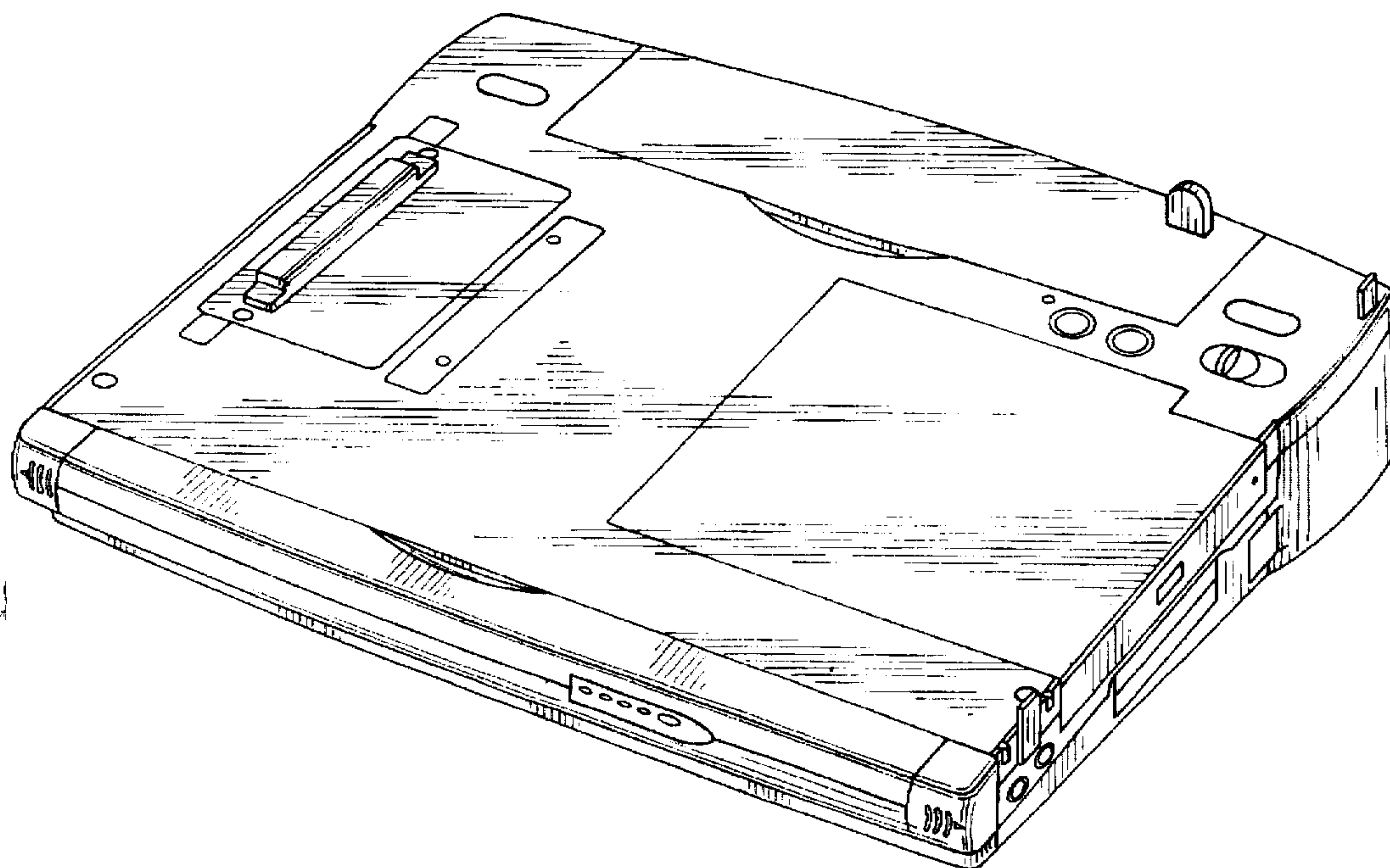


FIG. 1

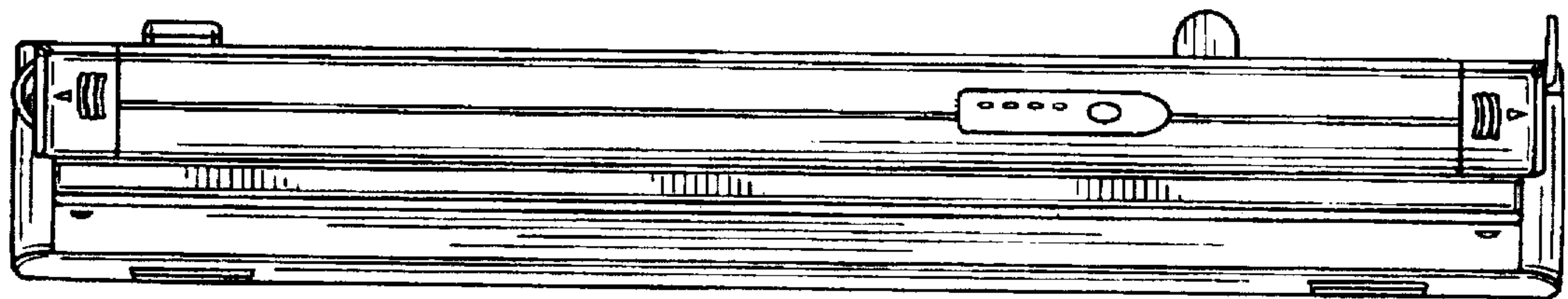


FIG. 2

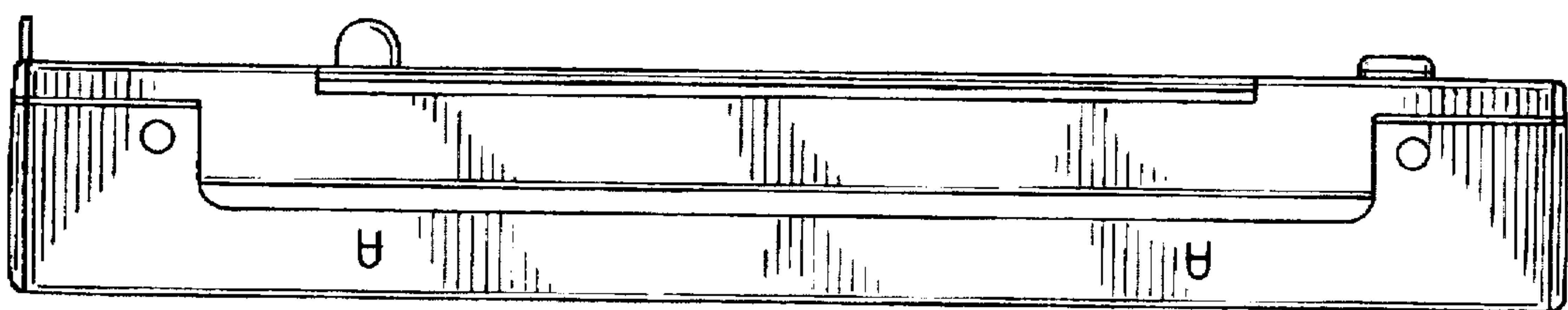


FIG. 3

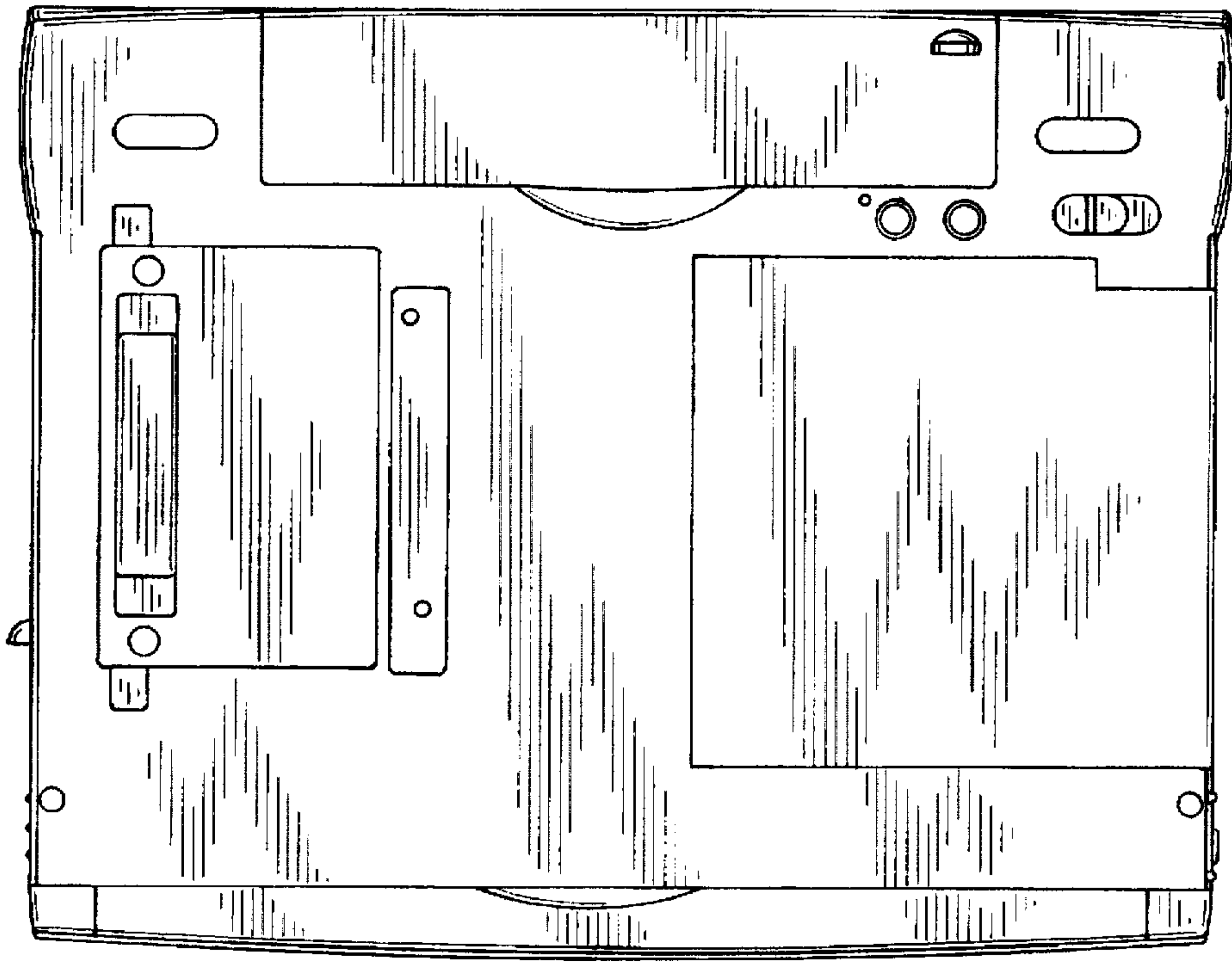


FIG. 4

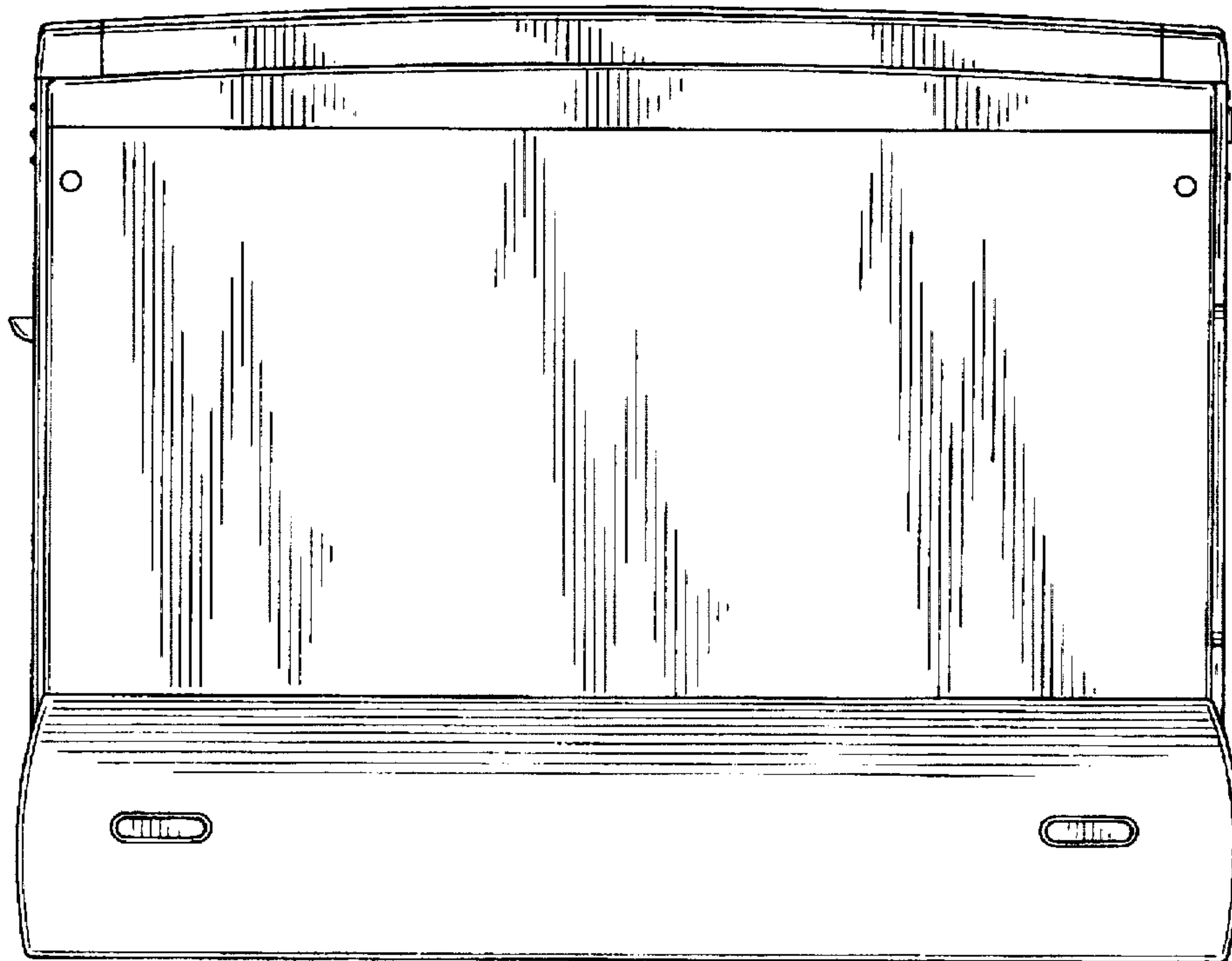


FIG. 5

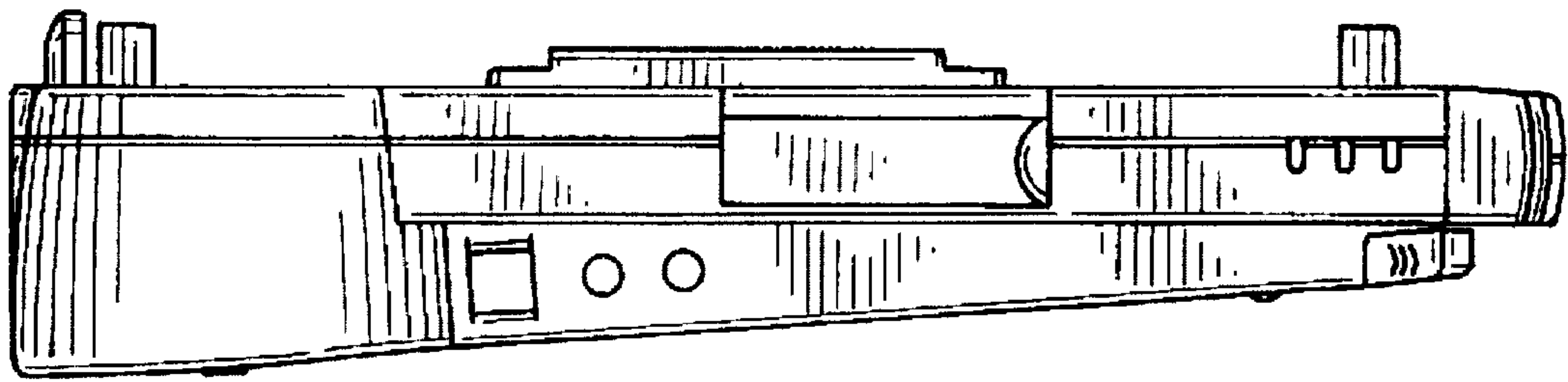


FIG. 6

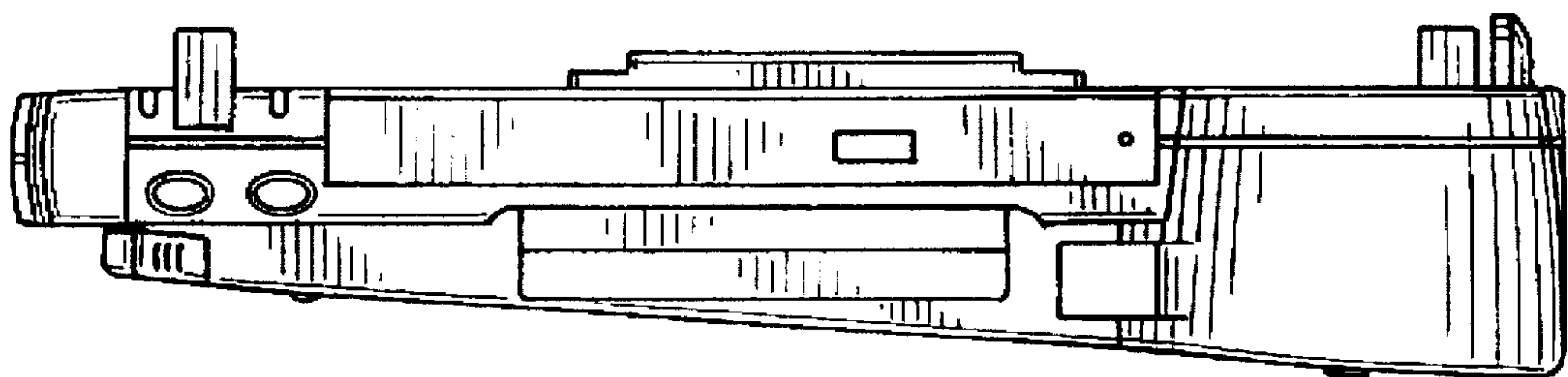


FIG. 7

