



US00D403697S

United States Patent [19]

Baba et al.

[11] **Patent Number:** **Des. 403,697**

[45] **Date of Patent:** ****Jan. 5, 1999**

[54] **AUTOMATIC DOCUMENT FEEDER**

D. 354,307 1/1995 Yamamoto D18/49

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[73] Assignee: **Nisca Corporation**, Yamanashi-ken, Japan

[57] **CLAIM**

[**] Term: **14 Years**

The ornamental design for an automatic document feeder, as shown and described.

[21] Appl. No.: **80,518**

DESCRIPTION

[22] Filed: **Dec. 11, 1997**

FIG. 1 is a perspective view of an automatic document feeder showing our new design;

[30] **Foreign Application Priority Data**

Jun. 13, 1997 [JP] Japan 9-57829

FIG. 2 is a top plan view thereof;

[51] **LOC (6) Cl.** **18-99**

FIG. 3 is a front view thereof;

[52] **U.S. Cl.** **D18/49**

FIG. 4 is a right side view thereof;

[58] **Field of Search** D18/36-40, 46, D18/49, 56; 271/3, 3.1, 8.1, 9; 399/16, 17, 361, 363, 365, 367, 377

FIG. 5 is a left side view thereof;

FIG. 6 is a bottom plan view thereof;

FIG. 7 is a rear view thereof; and,

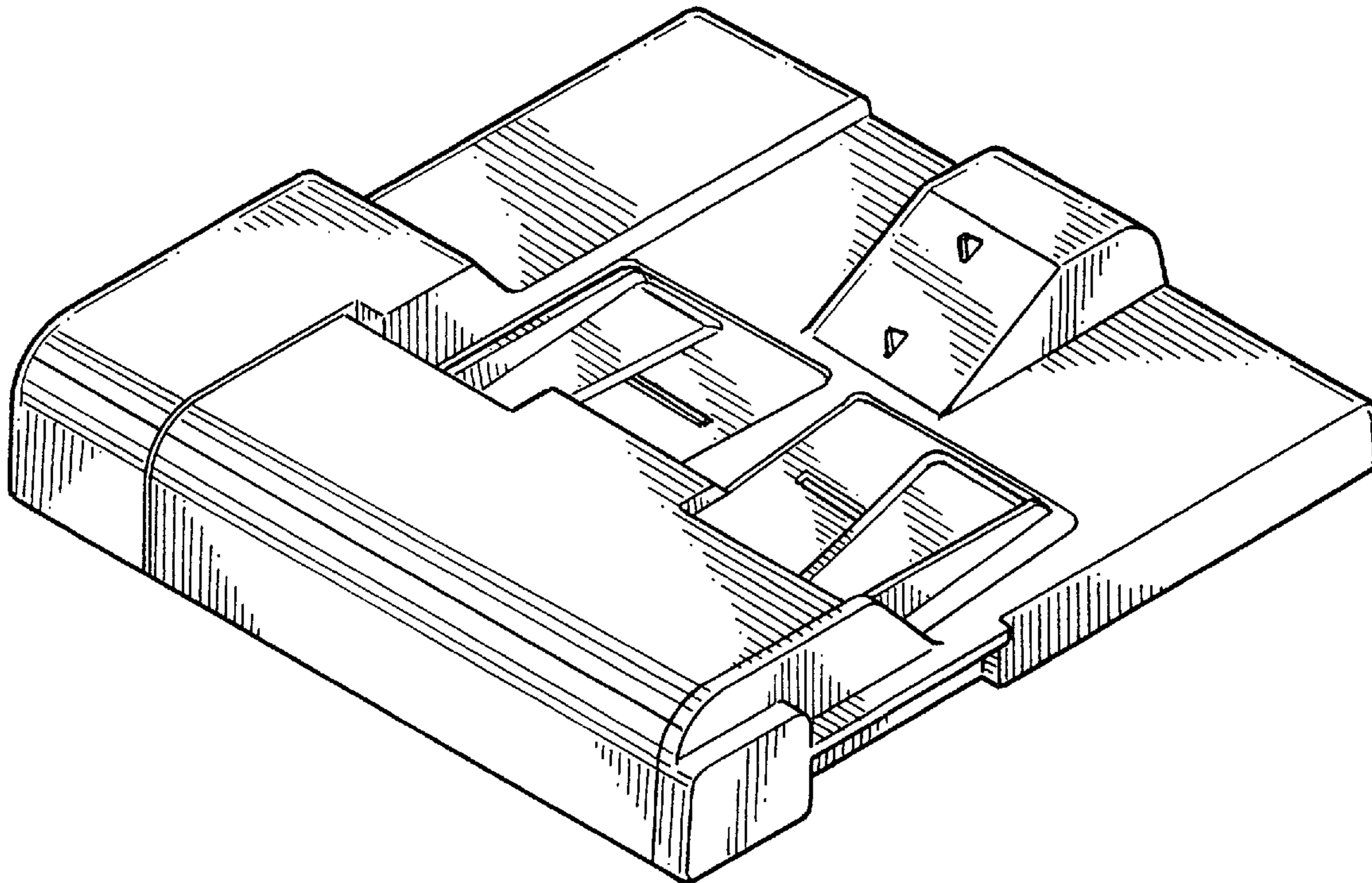
FIG. 8 is a magnified cross sectional view taken along line 8—8 in FIG. 2, wherein detail of inner structures is omitted.

[56] **References Cited**

U.S. PATENT DOCUMENTS

D. 350,769 9/1994 Hattori et al. D18/49

1 Claim, 5 Drawing Sheets



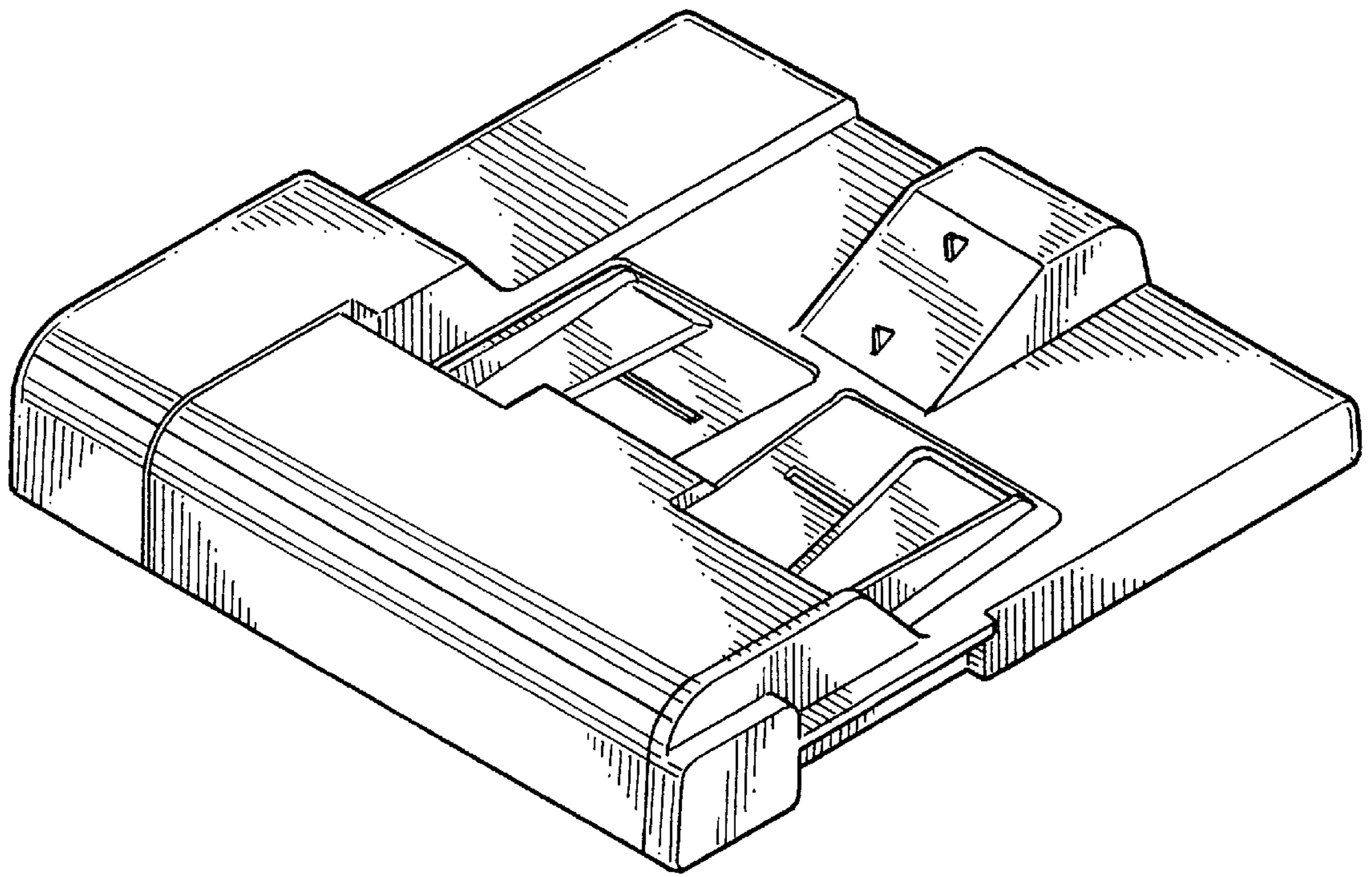


FIG. 1

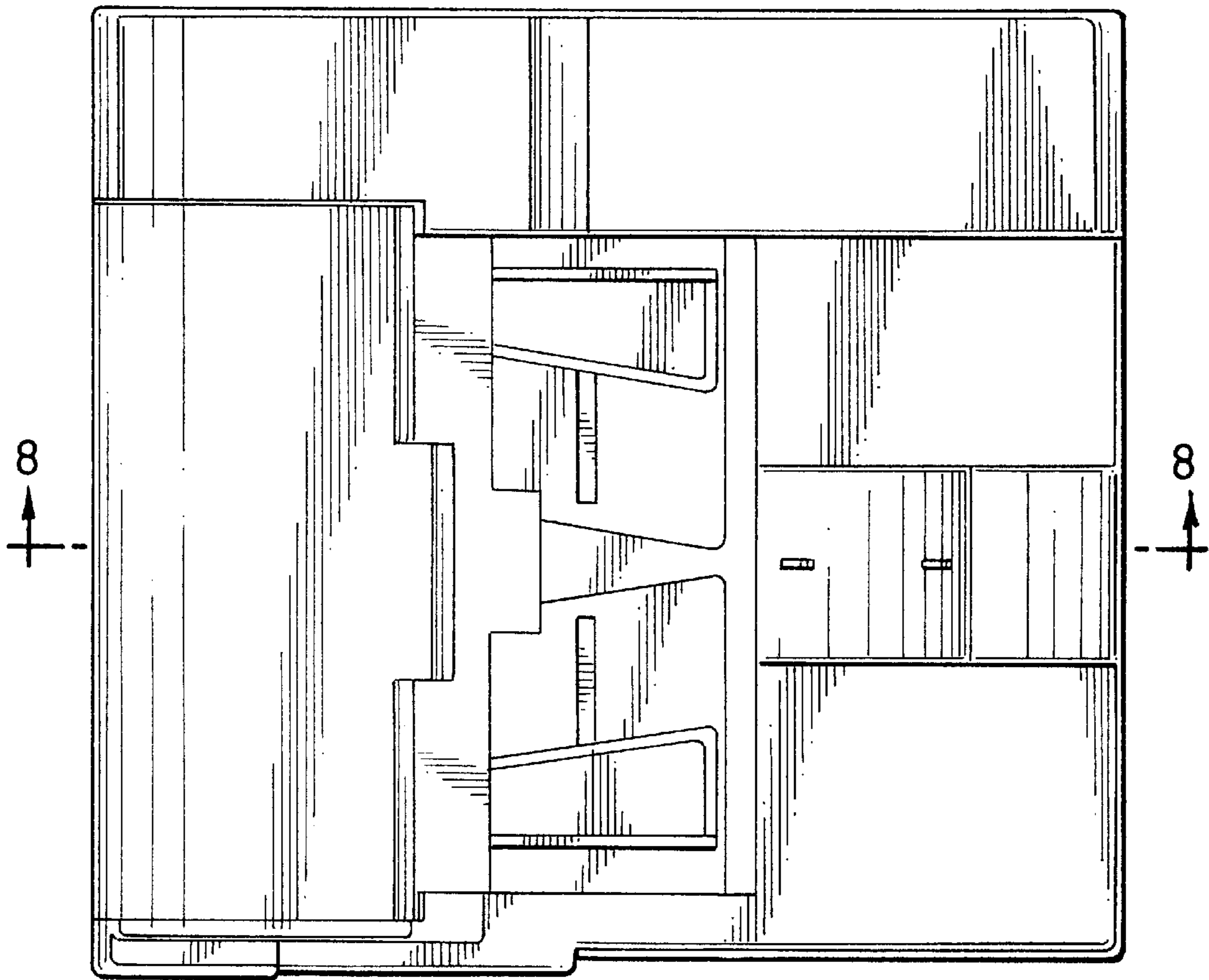


FIG. 2

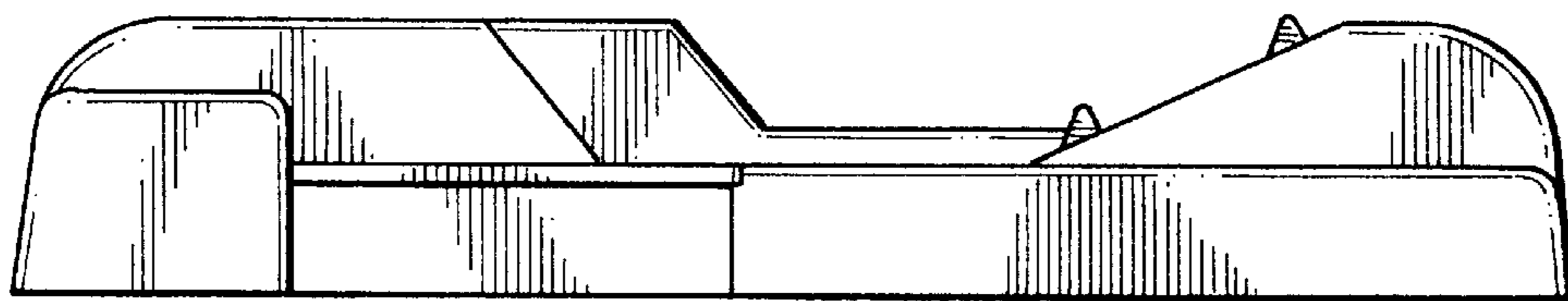


FIG. 3

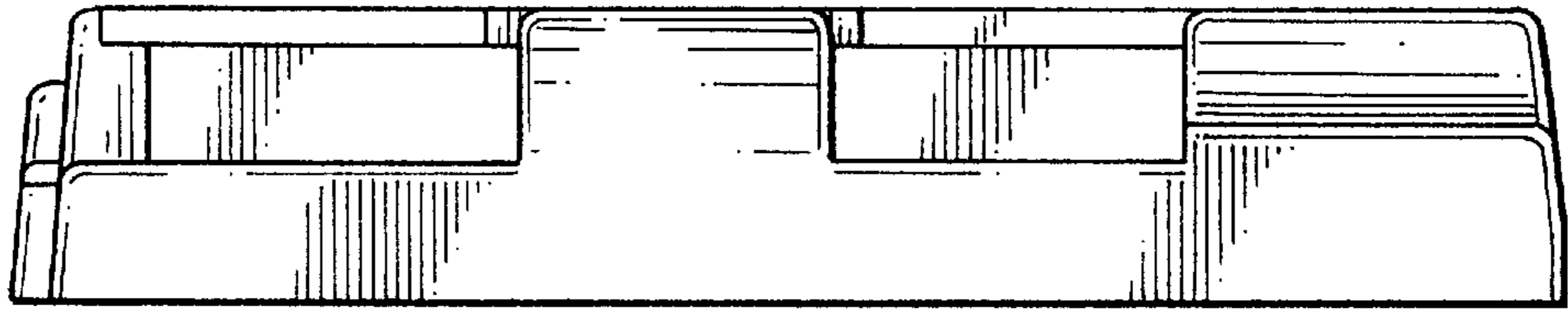


FIG. 4

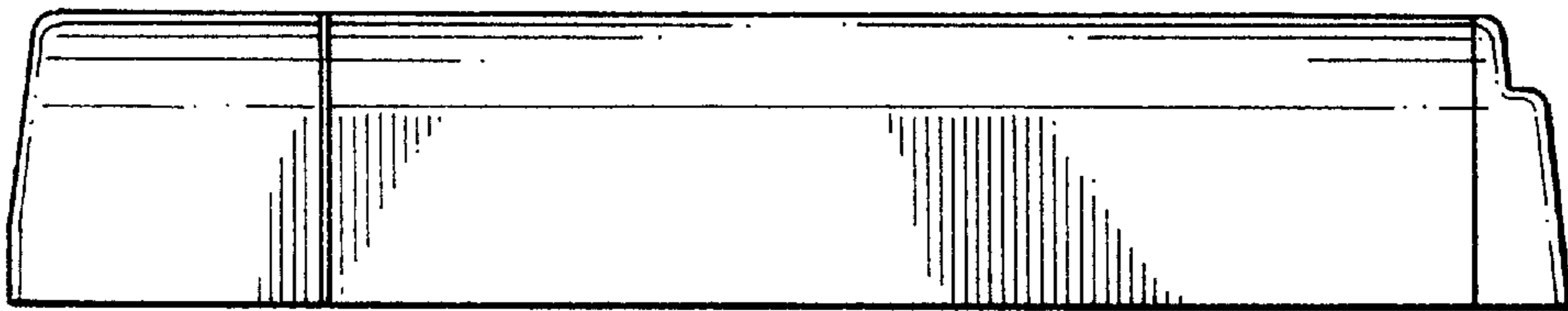


FIG. 5

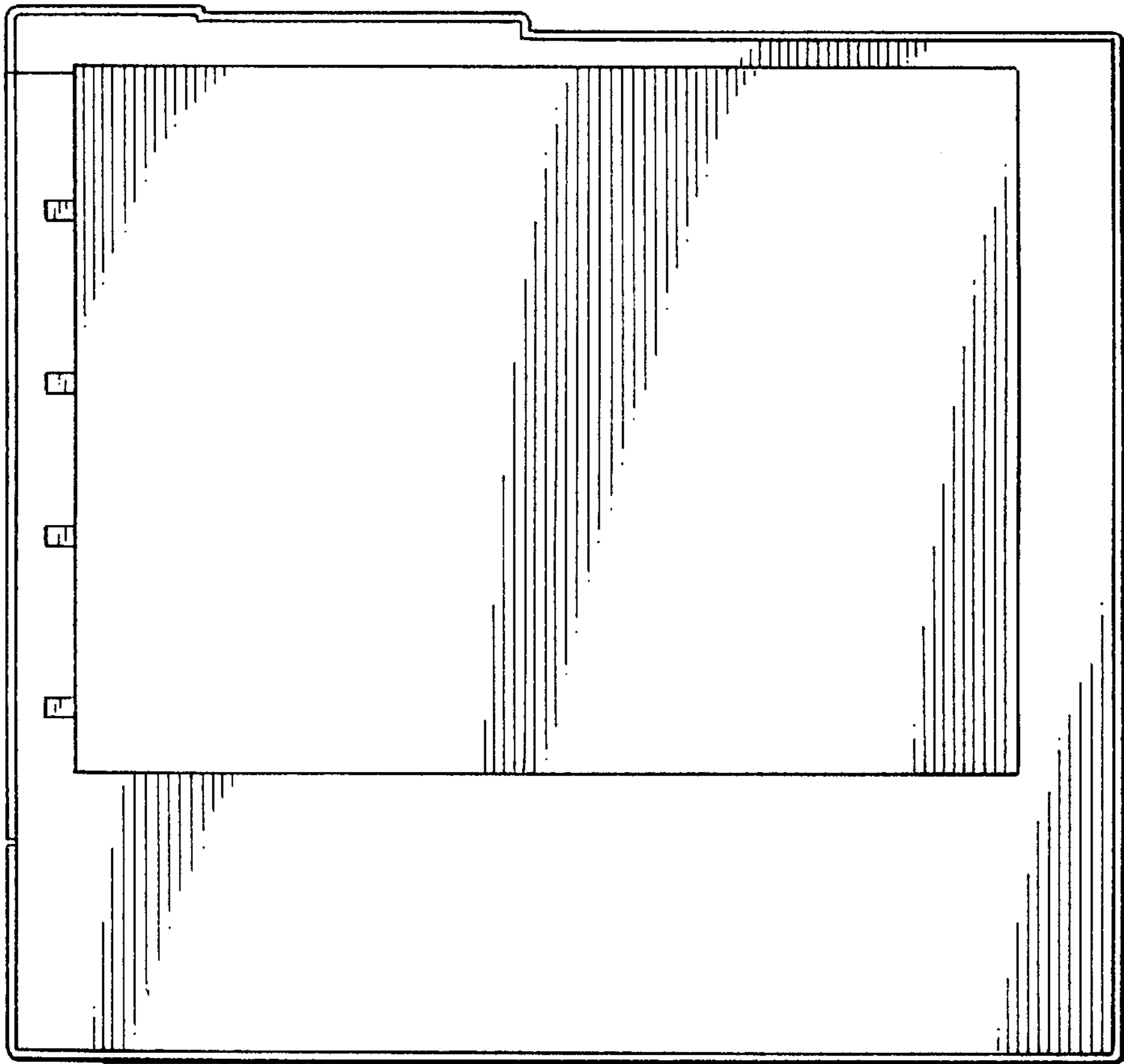


FIG. 6

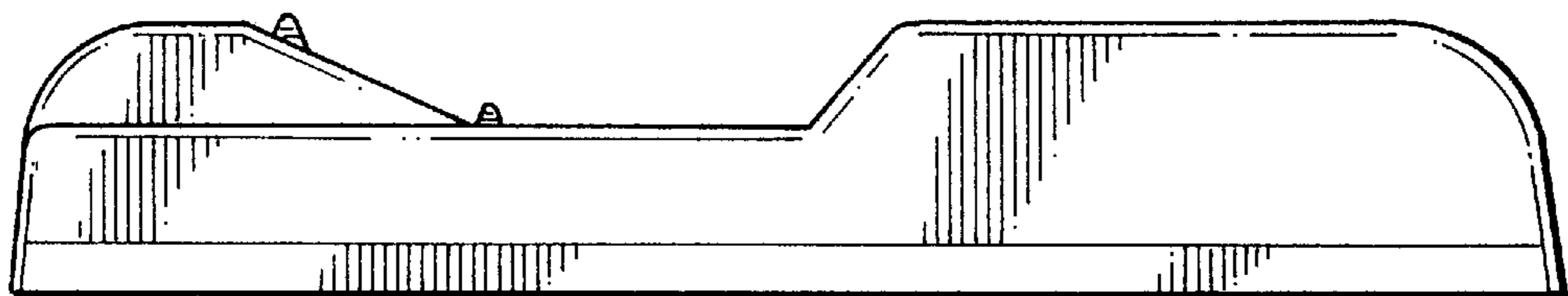


FIG. 7

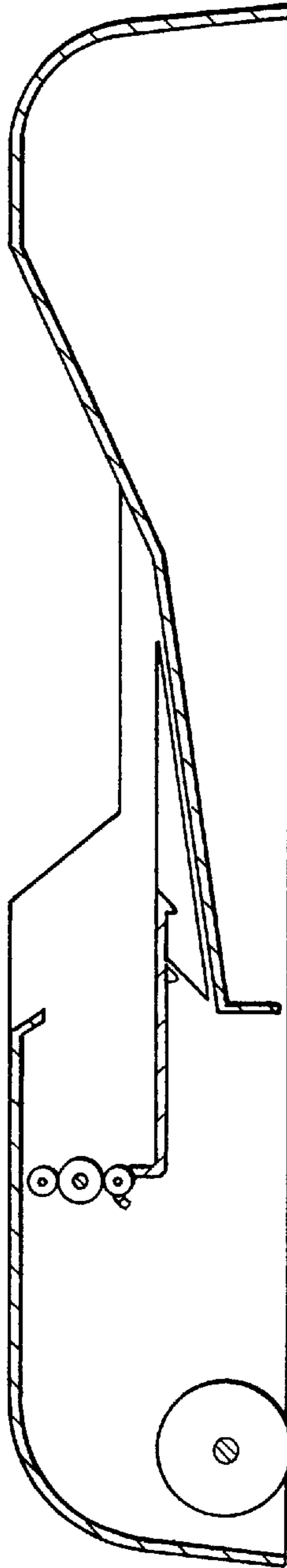


FIG. 8