

United States Patent [19]

Sawatani et al.

[11] Patent Number: Des. 306,286

[45] Date of Patent: ** Feb. 27, 1990

[54] OPTICAL DISK STORAGE

[75] Inventors: Masaharu Sawatani, Kamakura; Akio Kusaura, Amagasaki, both of Japan

[73] Assignee: Mitsubishi Denki Kabushiki Kaisha, Tokyo, Japan

[**] Term: 14 Years

[21] Appl. No.: 66,634

[22] Filed: Jun. 26, 1987

[30] Foreign Application Priority Data

Dec. 26, 1986 [JP] Japan 61-52477

[52] U.S. Cl. D14/109

[58] Field of Search D14/100-105, D14/107, 109; D13/40, 41; 360/97-99, 132, 133, 135, 137, 96.05, 96.06, 92, 93, 86; 361/330-332, 335, 337, 338, 348, 344, 384, 380, 381, 408, 415, 390-395; 369/273, 275, 277, 279, 291, 292, 75.1; 346/41, 63; 174/50, 52.1; 206/309, 312, 444; 200/5 A, 5 R, 6 A, 6 R

[56] References Cited

U.S. PATENT DOCUMENTS

D. 285,924 9/1986 Wilson et al. D14/100
D. 286,779 11/1986 Sutoh et al. D14/109
D. 296,898 7/1988 Hara D14/109
4,608,681 8/1986 Shiosaki 369/291 X

4,640,416 2/1987 Northrup et al. 206/444 X
4,694,957 9/1987 Ackeret 206/444 X

OTHER PUBLICATIONS

"Optical Disk Drive Unit WM-S050" by Toshiba published on May 20, 1986.

"Optical Disk Subsystem DD-S5001" by Pioneer Electronic Corporation published in Oct. 1986.

"Optical Disk Drive Unit LOD-200" by Kanto Denshi Corporation published in Oct. 1986.

Primary Examiner—Susan J. Lucas

Assistant Examiner—Freda S. Nunn

Attorney, Agent, or Firm—Oblon, Spivak, McClelland, Maier & Neustadt

[57] CLAIM

The ornamental design for an optical disk storage, as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view of an optical disk storage showing our new design;

FIG. 2 is a rear elevational view thereof;

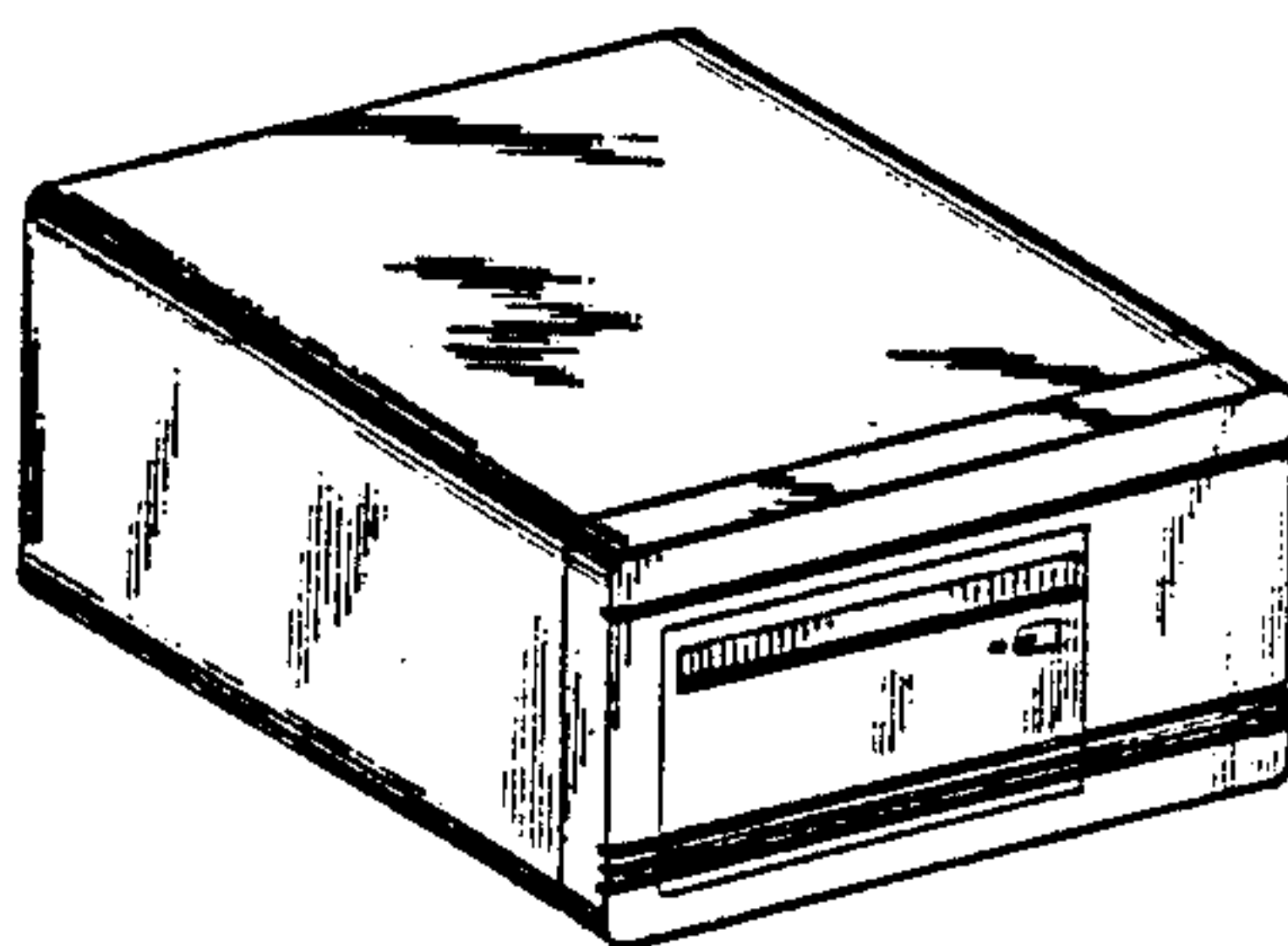
FIG. 3 is a right side elevational view thereof;

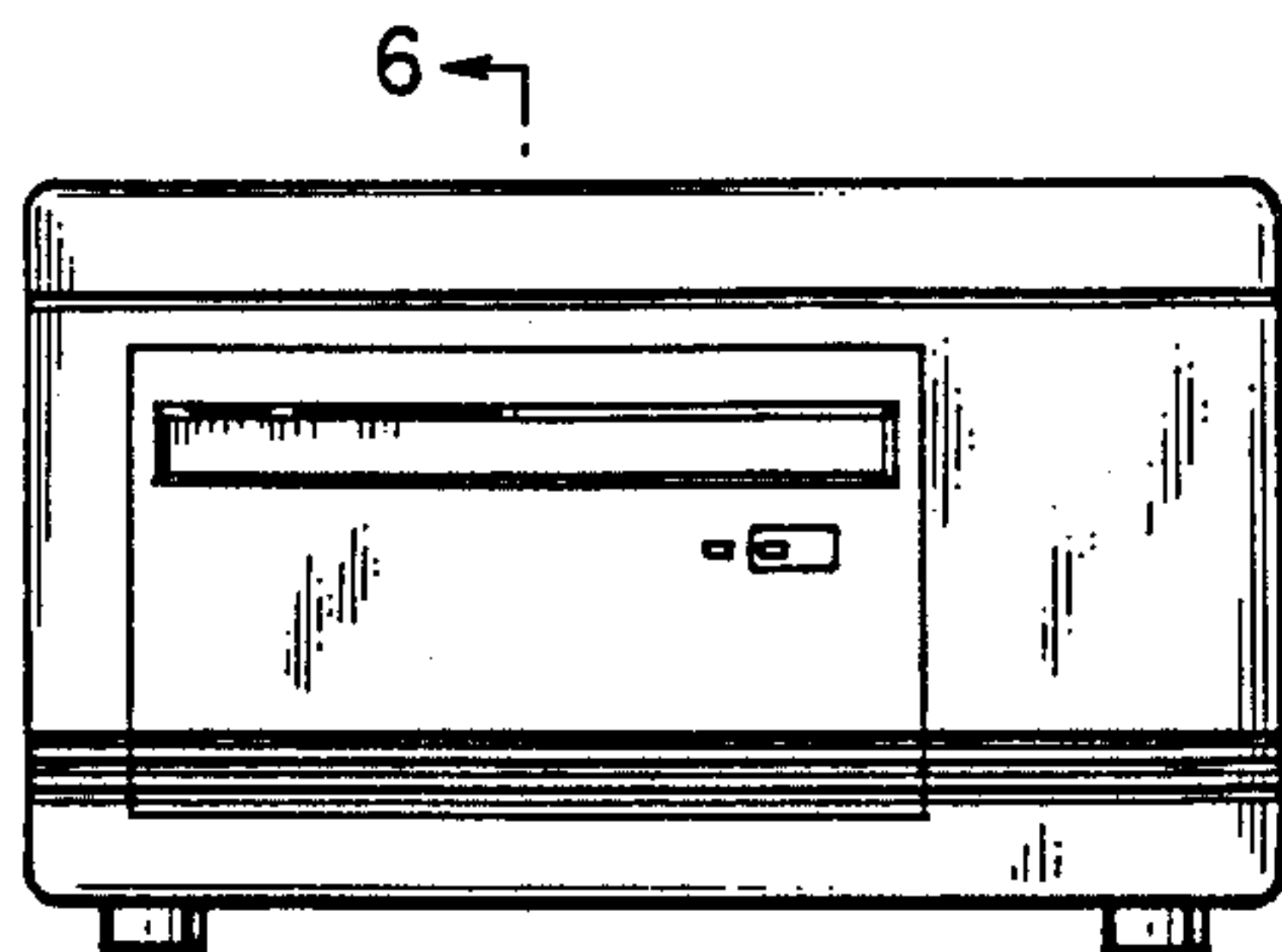
FIG. 4 is a top plan view thereof;

FIG. 5 is a bottom plan view of the design;

FIG. 6 is a cross-sectional view taken on line 6—6 of FIG. 1, wherein internal means are omitted;

FIG. 7 is a top, front, left side perspective view thereof.





6
FIG. 1

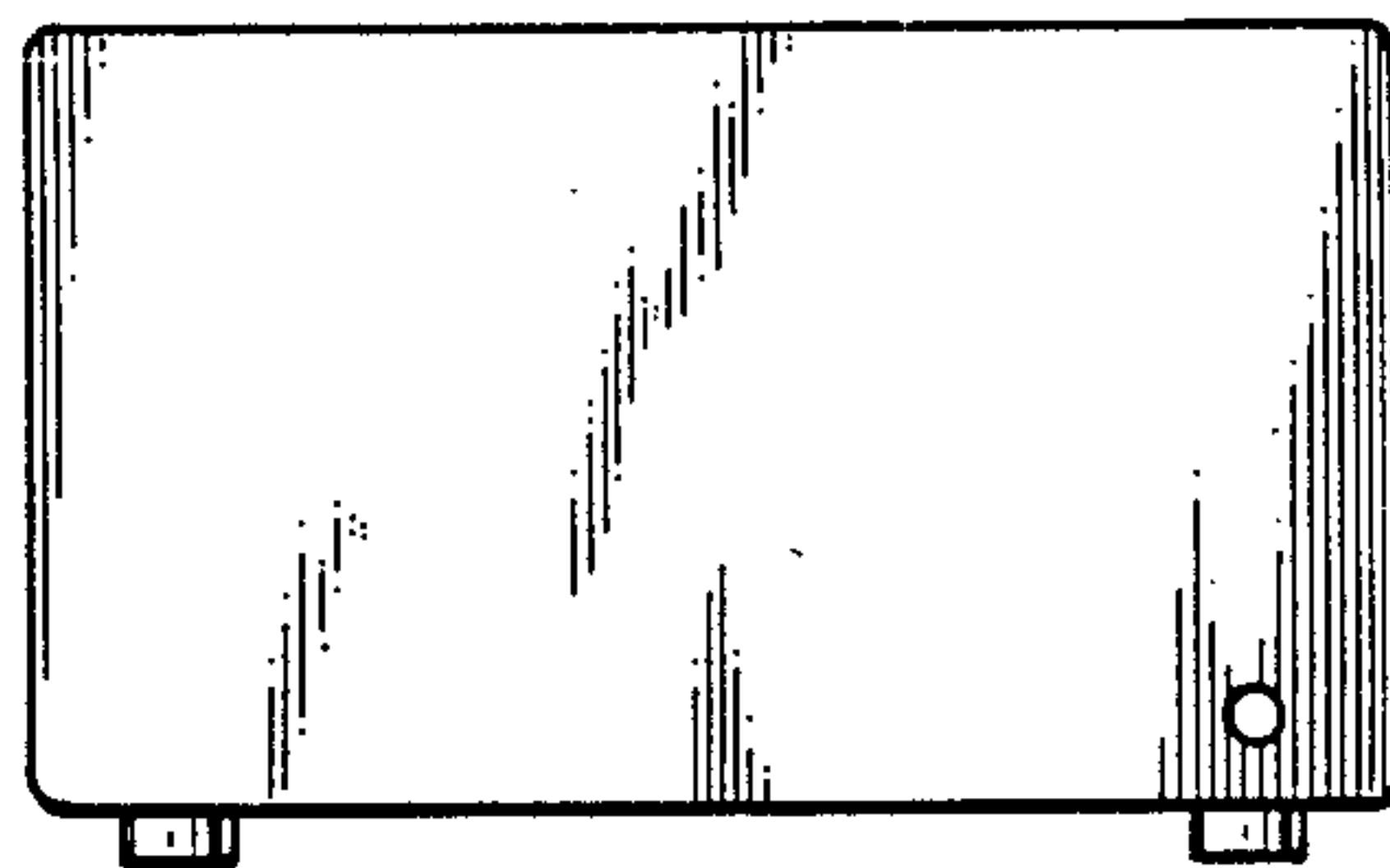


FIG. 2

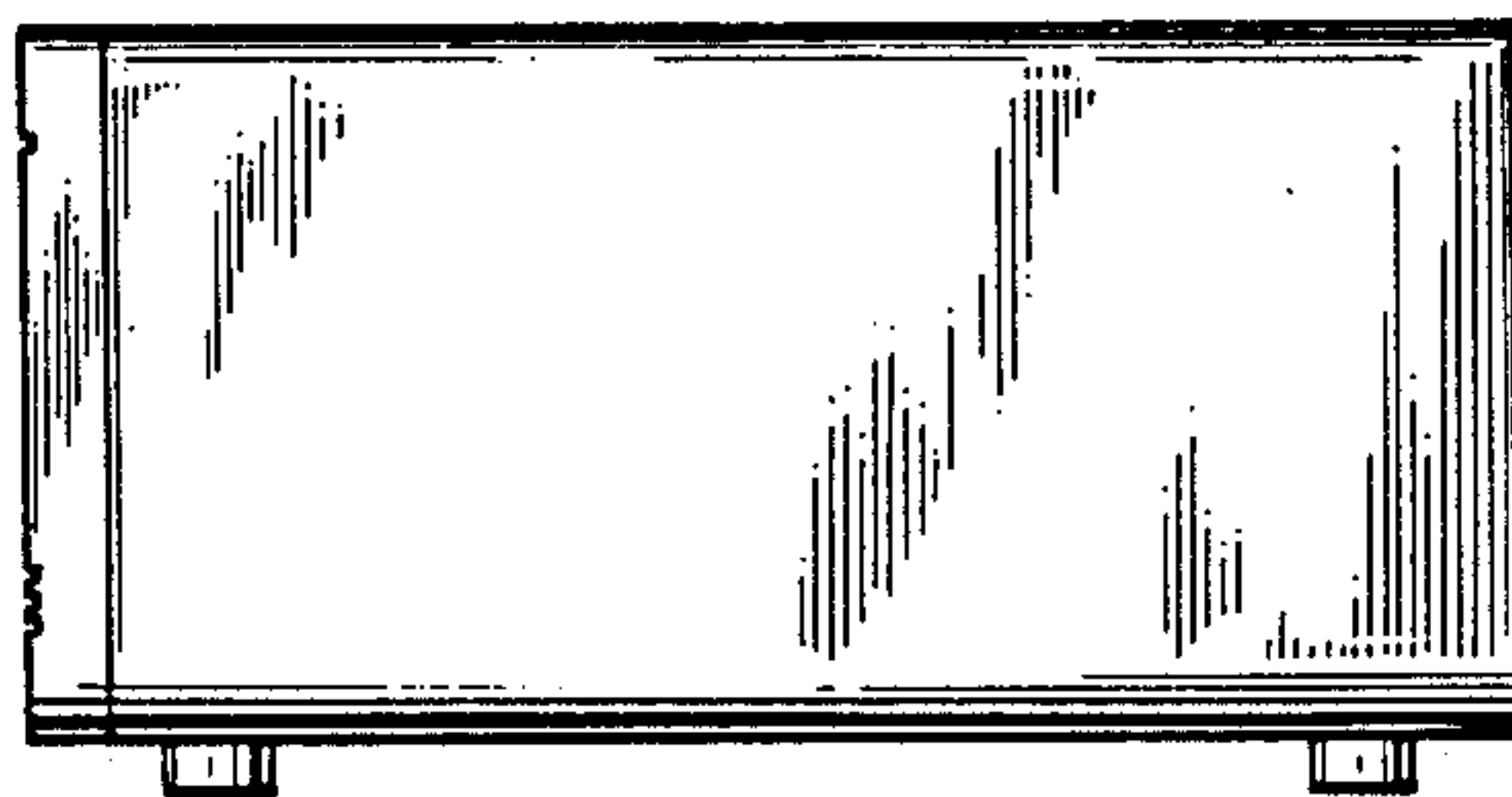


FIG. 3

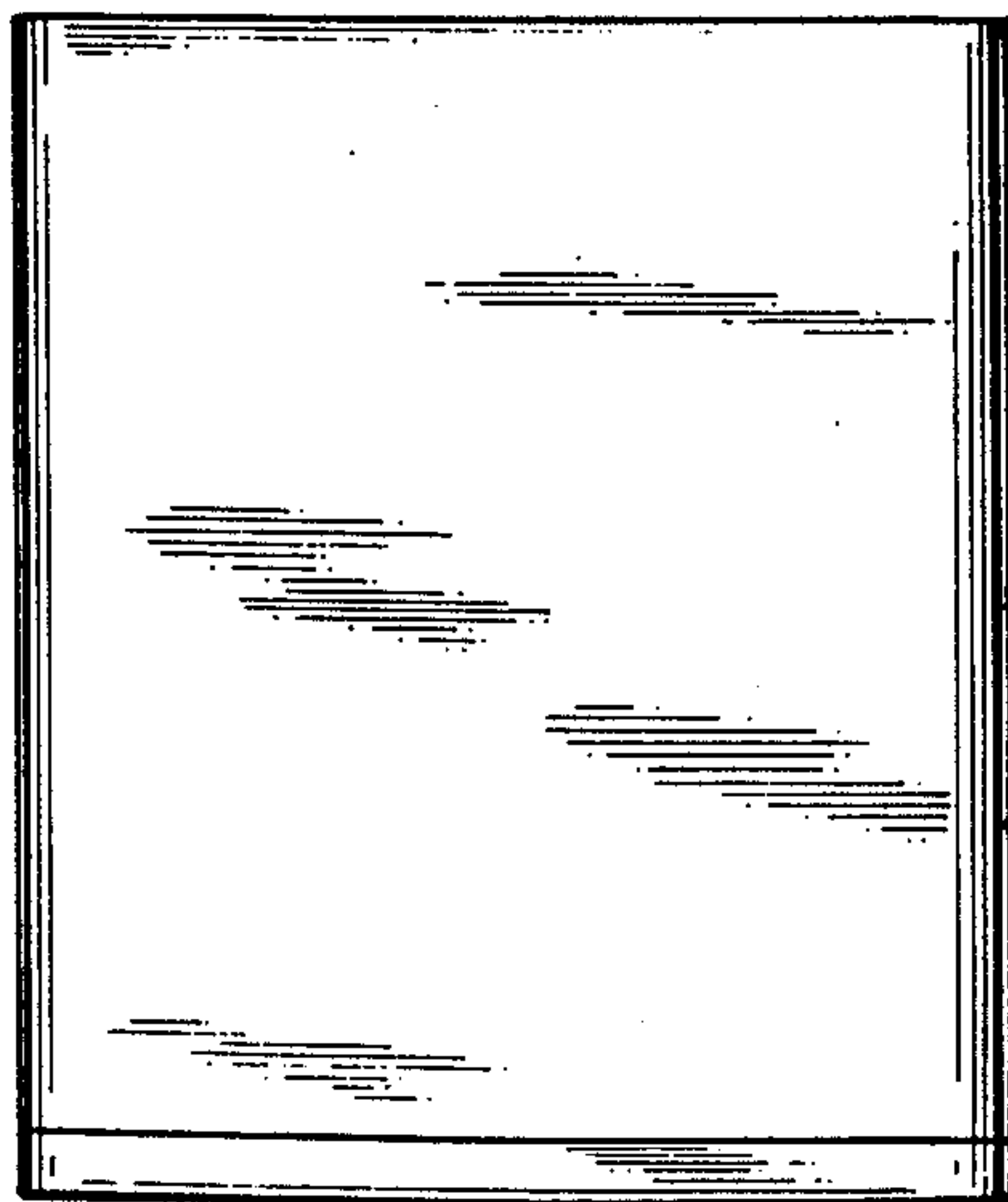


FIG. 4

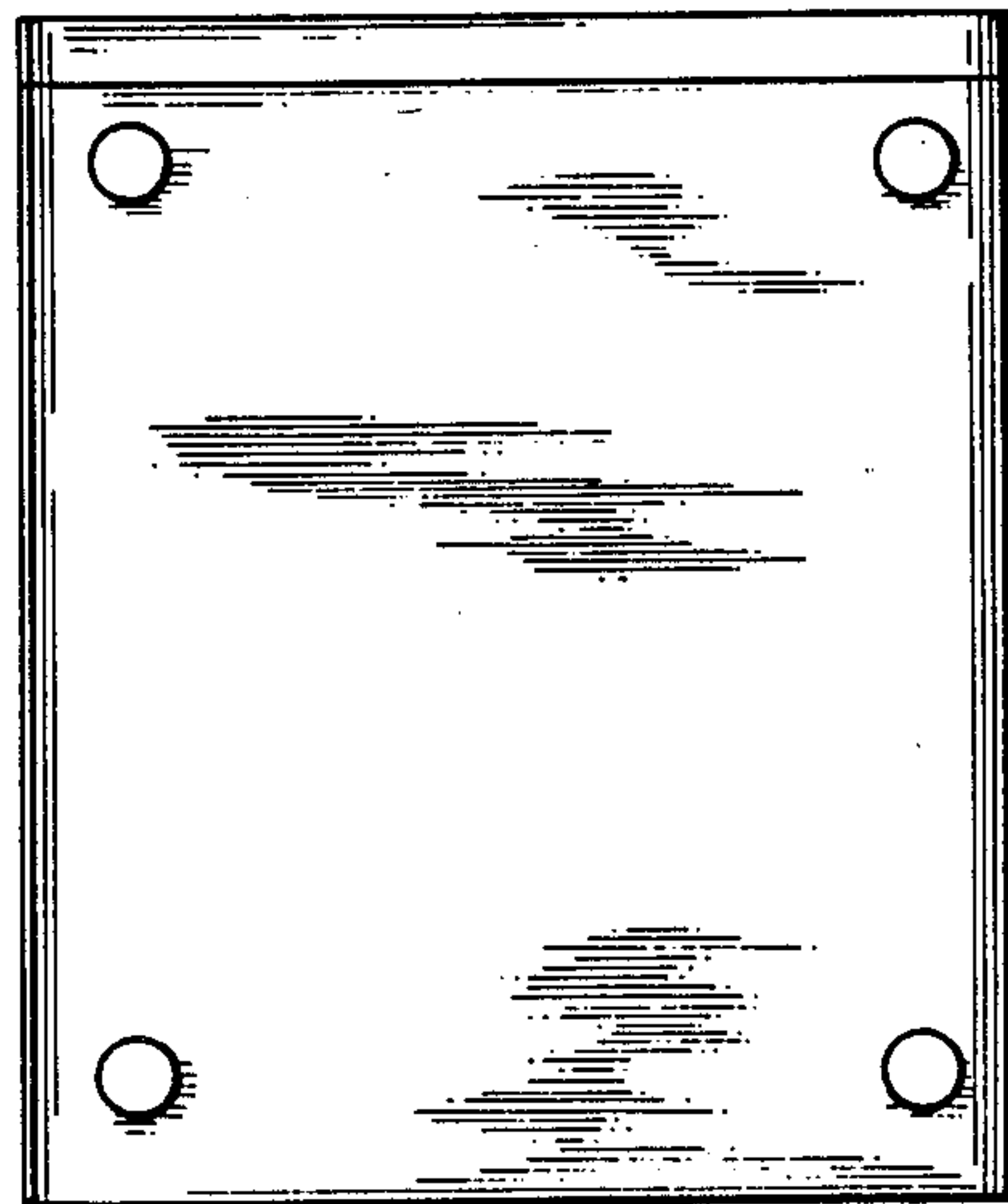


FIG. 5

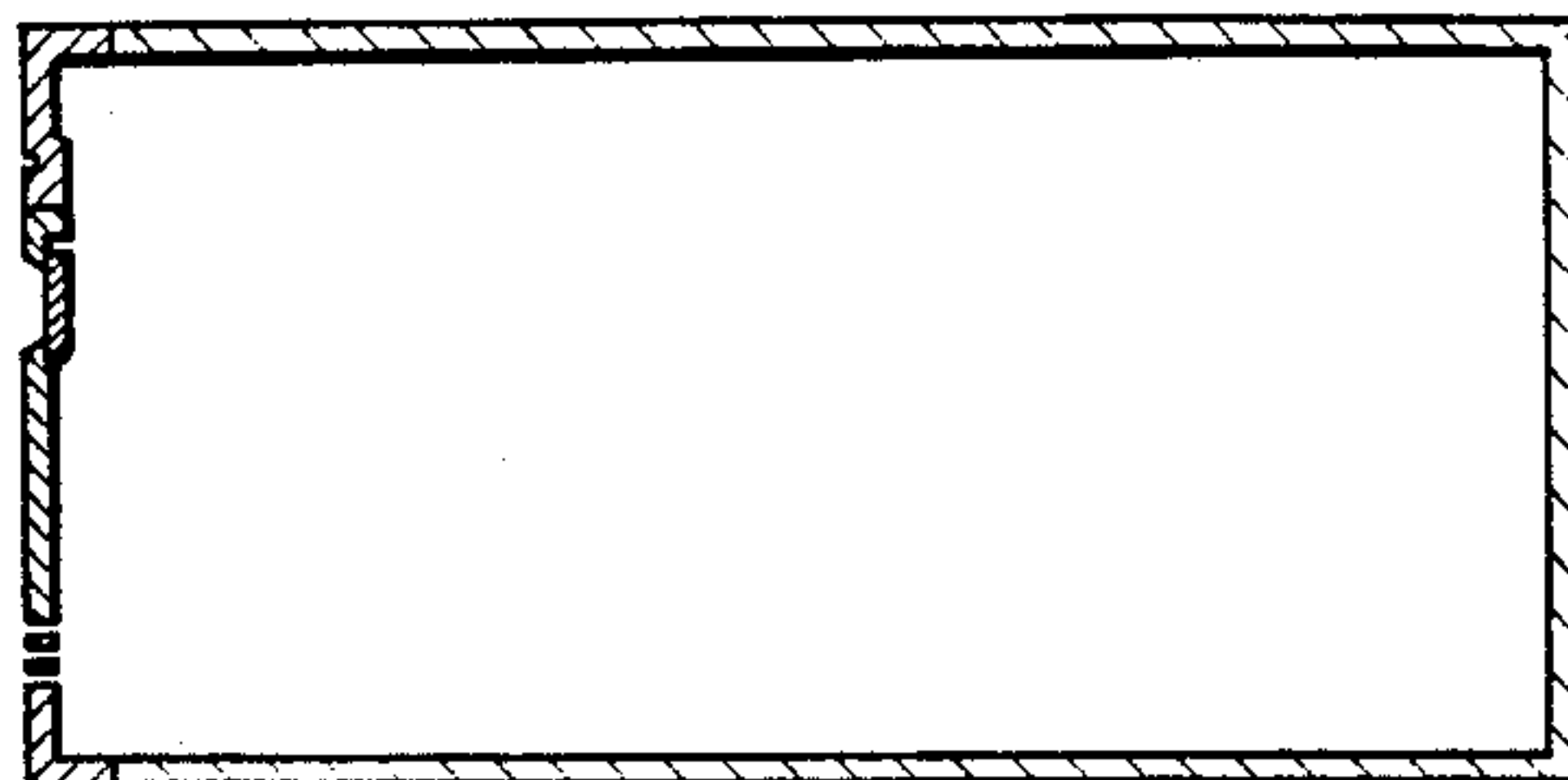


FIG. 6

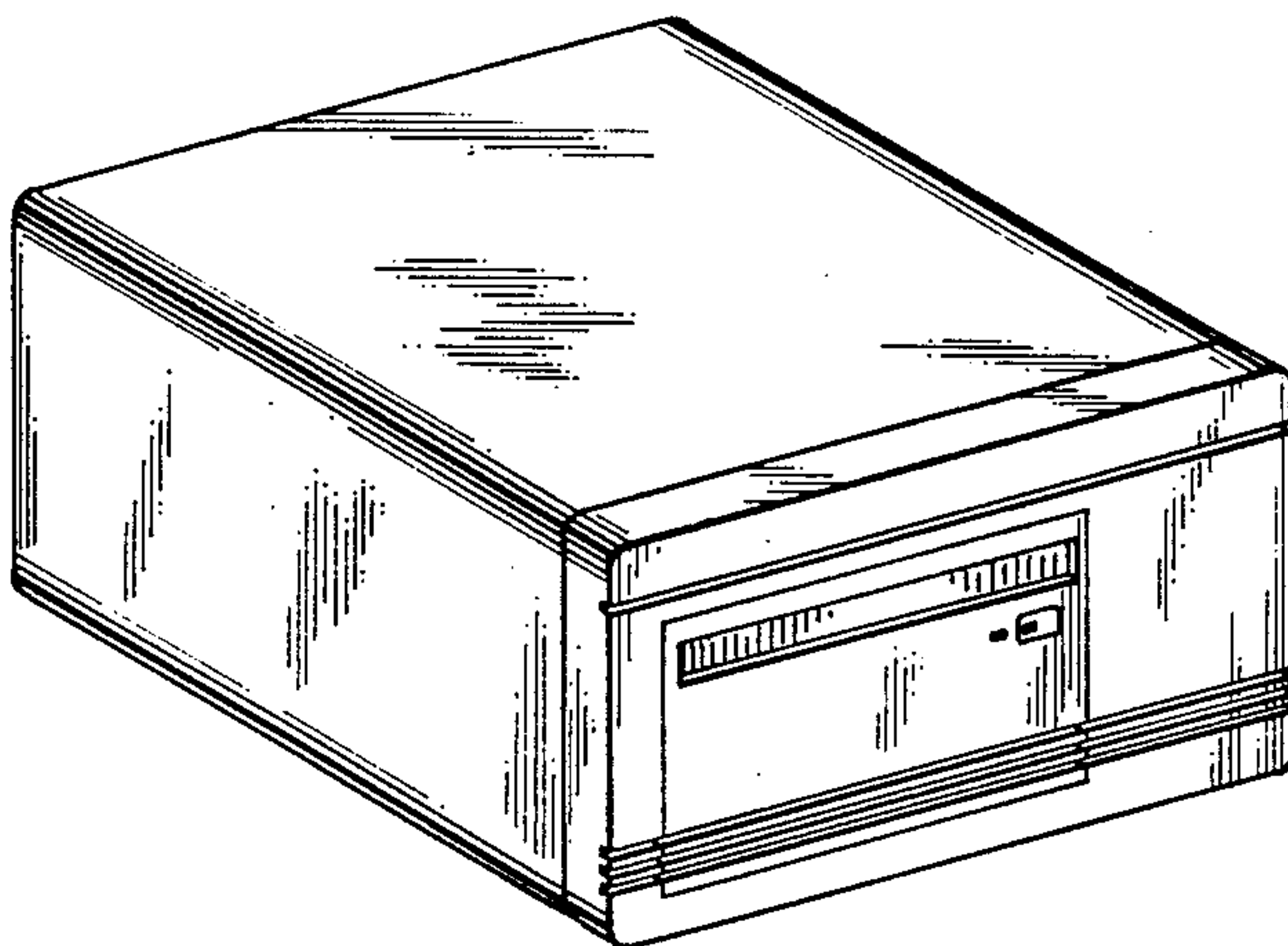


FIG. 7