

United States Patent [19]

Miyajima, deceased et al.

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[45] Date of Patent: ** Apr. 16, 1991

[54] **AUTOMATIC DOCUMENT FEEDER**

[75] Inventors: **Kyushichi Miyajima, deceased**, late of Osaka, Japan, by **Kazu Miyajima**, legal representative; **Kiyoshi Hayashi**, Osaka, Japan

[73] Assignee: **Mita Industrial Co., Ltd.**, Osaka, Japan

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

[21] Appl. No.: **67,903**

[22] Filed: **Jun. 22, 1987**

[30] **Foreign Application Priority Data**

Dec. 26, 1986 [JP] Japan 61-51884

[52] U.S. Cl. **D18/42**

[58] Field of Search **D18/36-44;**
271/3, 3.1, 8.1, 9, 10, 18, 116, 122, 258;
355/200, 308, 309; 358/498; 400/595, 624-629

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Canon Literature; 5/1984; NP-250F Series Copier.

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Macpeak & Seas

[57] **CLAIM**

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

DESCRIPTION

FIG. 1 is a top, front and left side perspective view of an automatic document feeder 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.

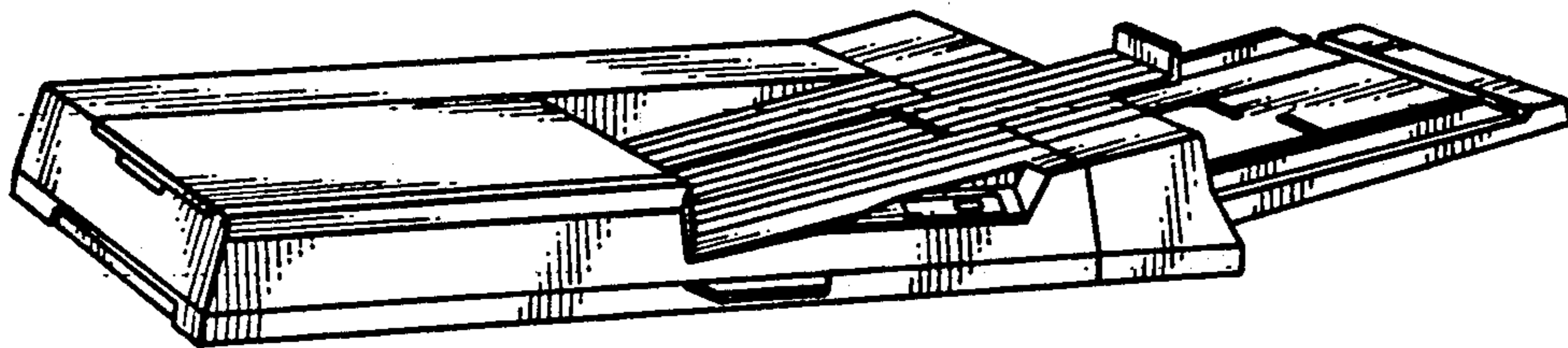


Fig. 1

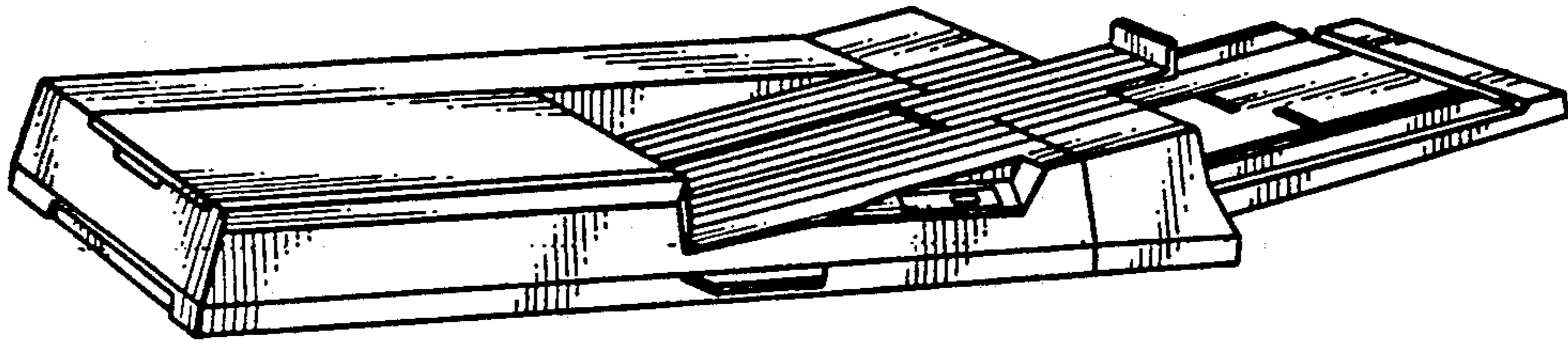


Fig. 2

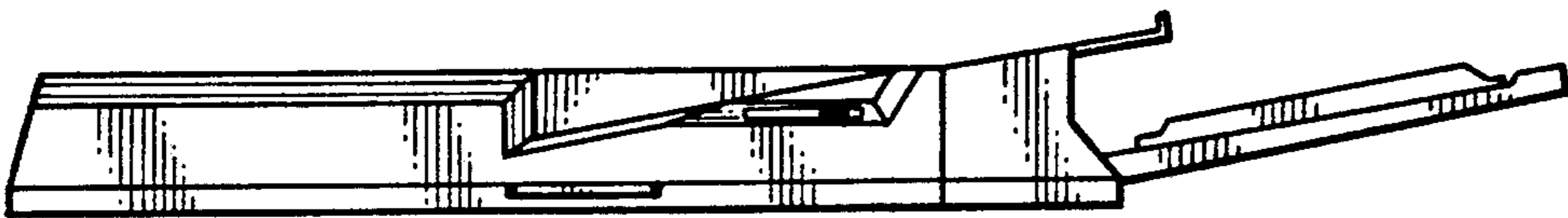


Fig. 3



Fig. 4

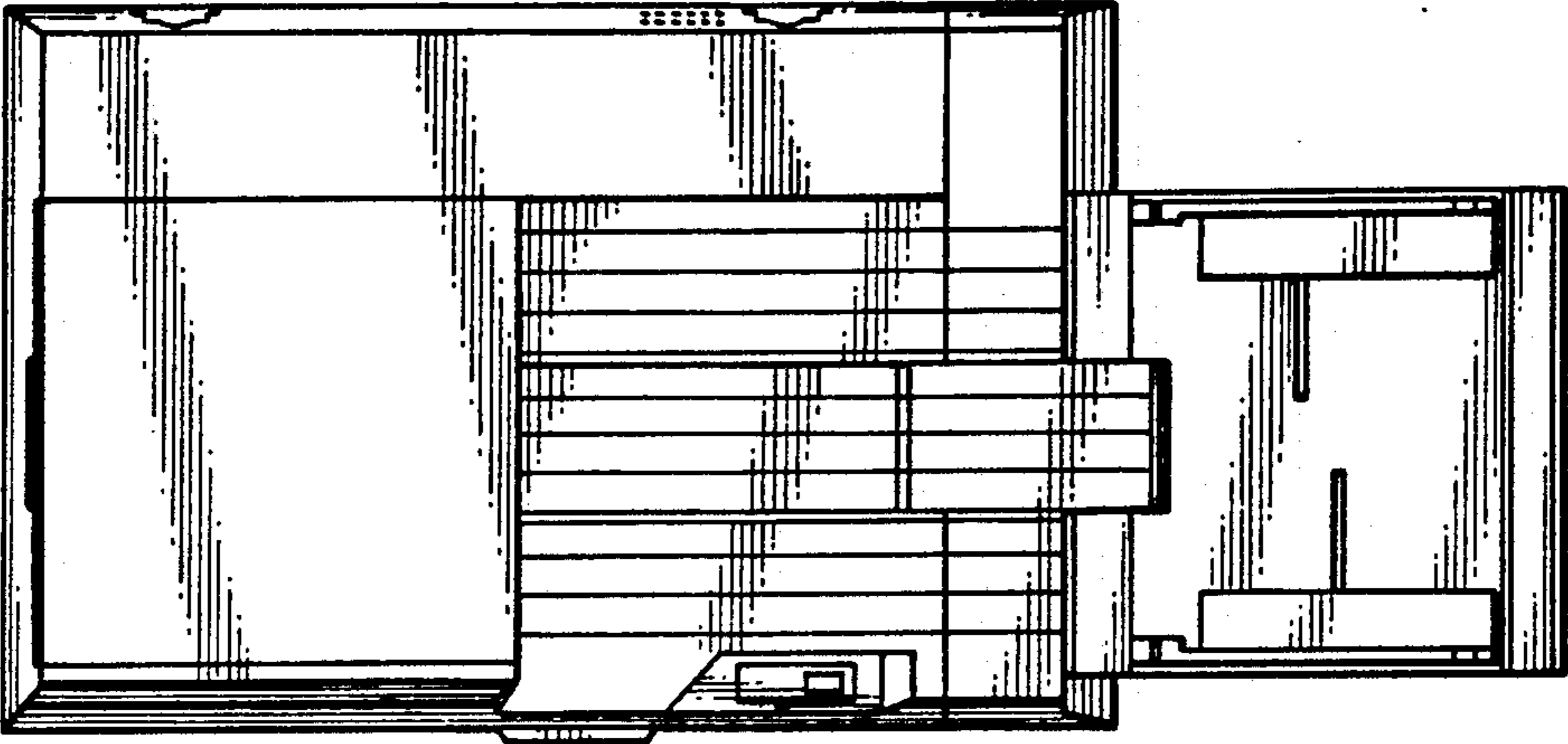


Fig. 5

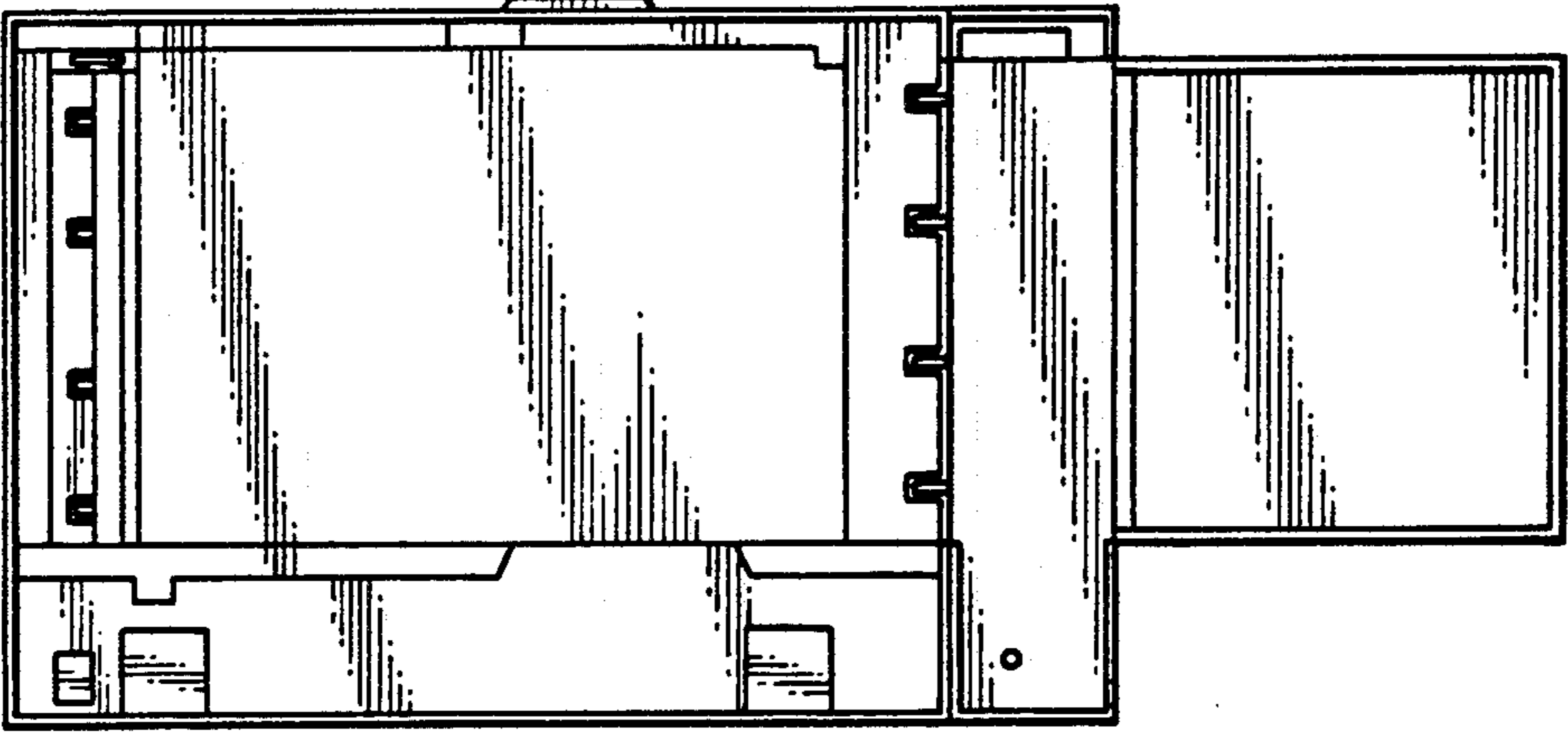


Fig. 6



Fig. 7

