

United States Patent [19]

Kosako et al.

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[45] Date of Patent: **** Nov. 6, 1984**

[54] **DOCUMENT FEEDER FOR COPYING MACHINE**

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[73] Assignee: **Sharp Corporation**, Osaka, Japan

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

[21] Appl. No.: **390,036**

[22] Filed: **Jun. 18, 1982**

[30] **Foreign Application Priority Data**

Dec. 29, 1981 [JP] Japan 56-57945

[52] U.S. Cl. **D16/32**

[58] Field of Search D16/27-31, D16/32; 355/3 SH, 14 SH; 271/3, 3.1, 4, 9, 35, 171, 273-274, 280, 284, 287-297, 305; D14/110, 114

[56] **References Cited**

U.S. PATENT DOCUMENTS

- D. 160,862 11/1950 Johnson D14/114
- D. 214,959 8/1969 Anderson D16/30

- D. 234,005 12/1974 Yagi D16/27
- D. 263,962 4/1982 Kurozumi D16/32
- D. 272,830 2/1984 Hara D16/32
- 3,262,697 7/1966 Krinke 271/35 X
- 3,891,203 6/1975 Schiff 271/35 X
- 4,421,404 12/1983 Conly 271/3.1 X

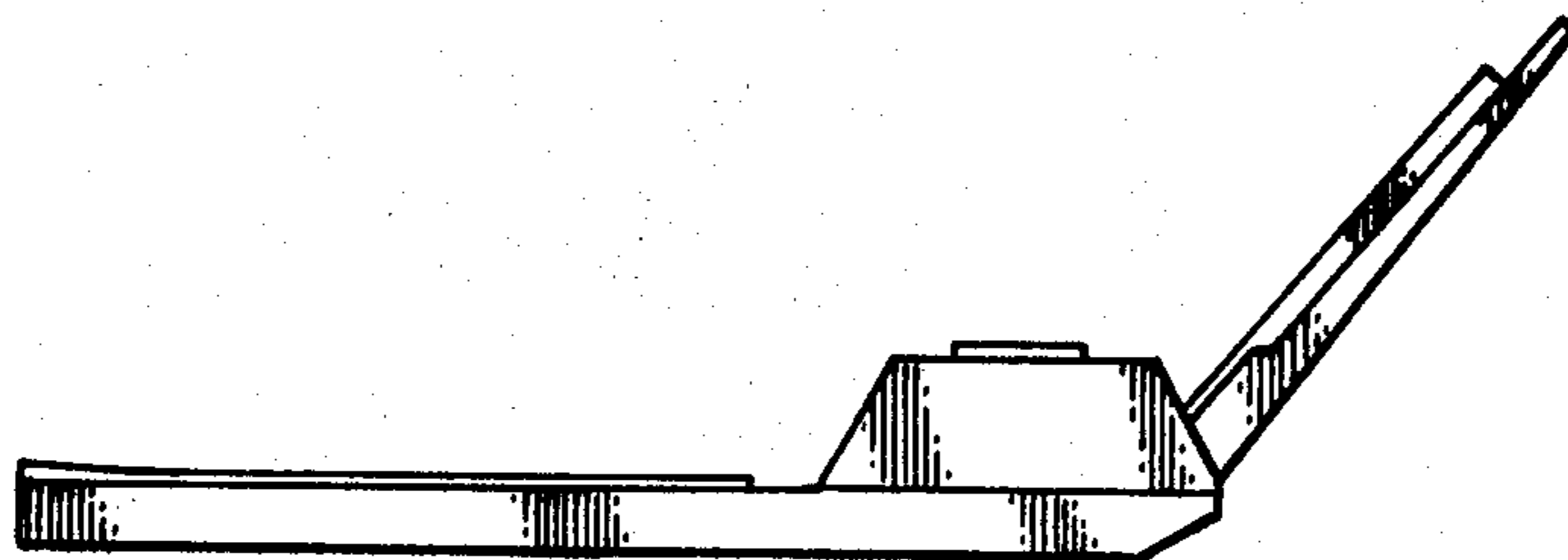
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[57] CLAIM

The ornamental design for a document feeder for copying machine, as shown and described.

DESCRIPTION

FIG. 1 is a top plan view of the document feeder for copying machine showing our new design;
FIG. 2 is a bottom plan view thereof;
FIG. 3 is a front elevational view thereof, the rear elevational view being identical;
FIG. 4 is a left side elevational view thereof;
FIG. 5 is a right side elevational view thereof;
FIG. 6 is a front elevational view thereof with the paper holder folded; and
FIG. 7 is a plan view thereof with the paper holder folded.



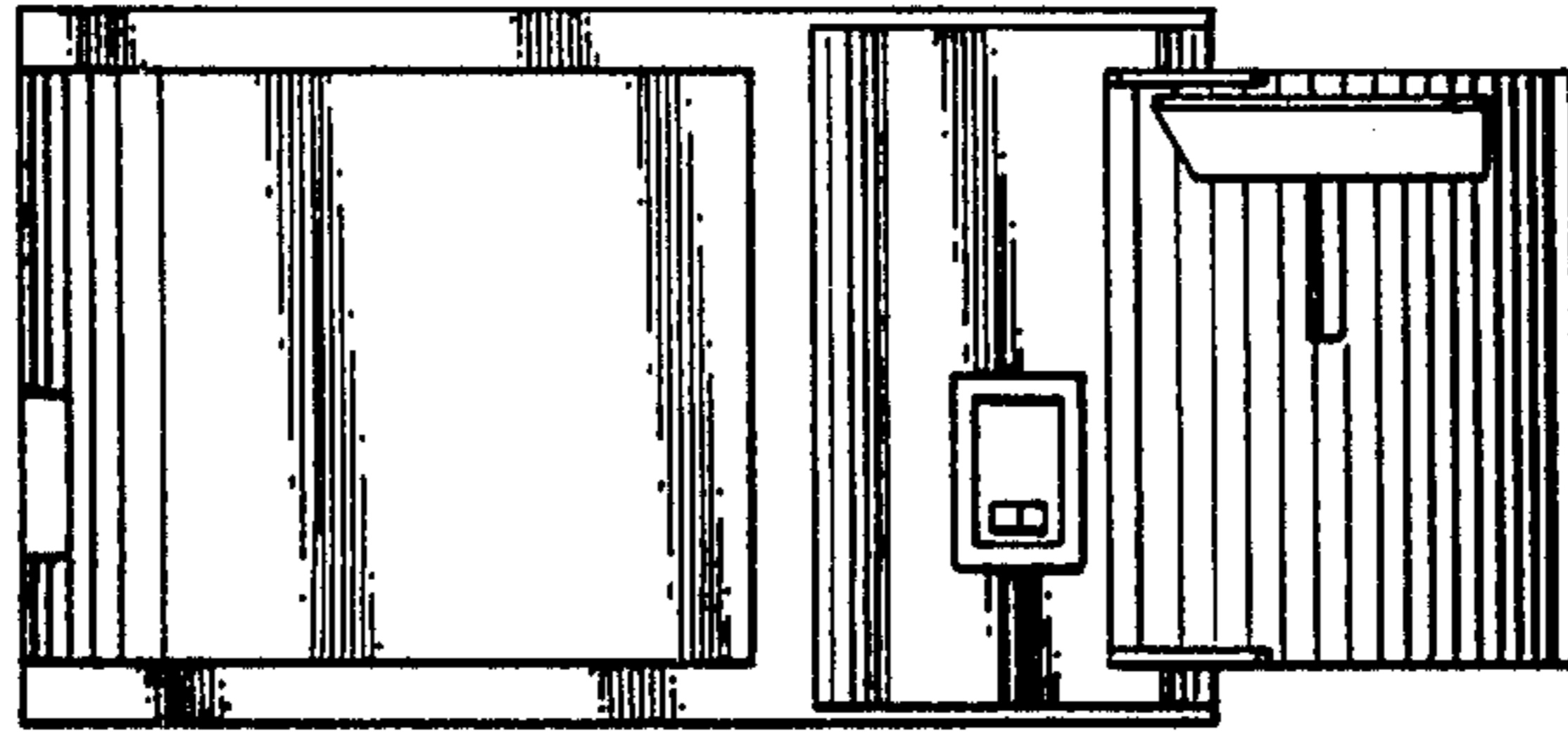


FIG. 1

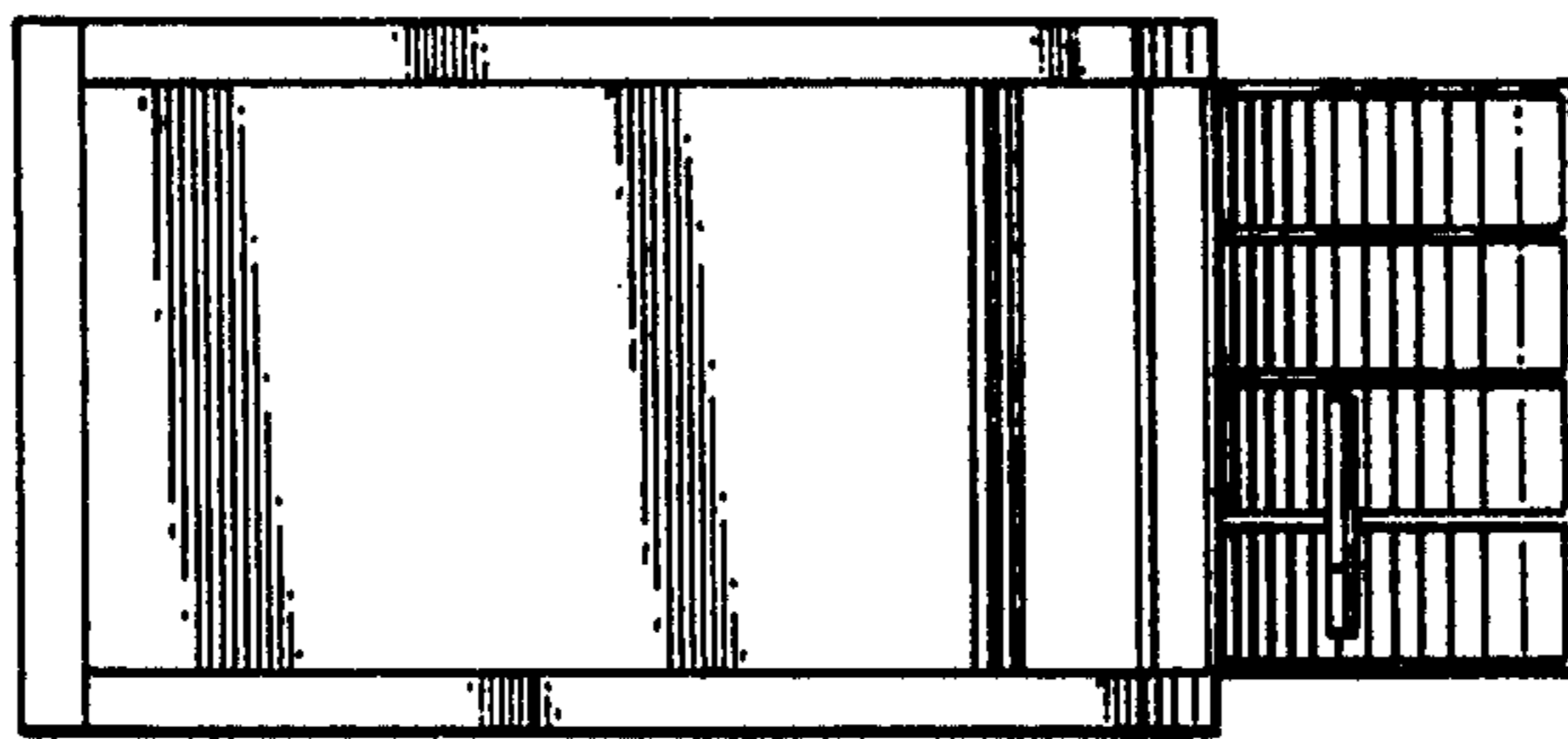


FIG. 2

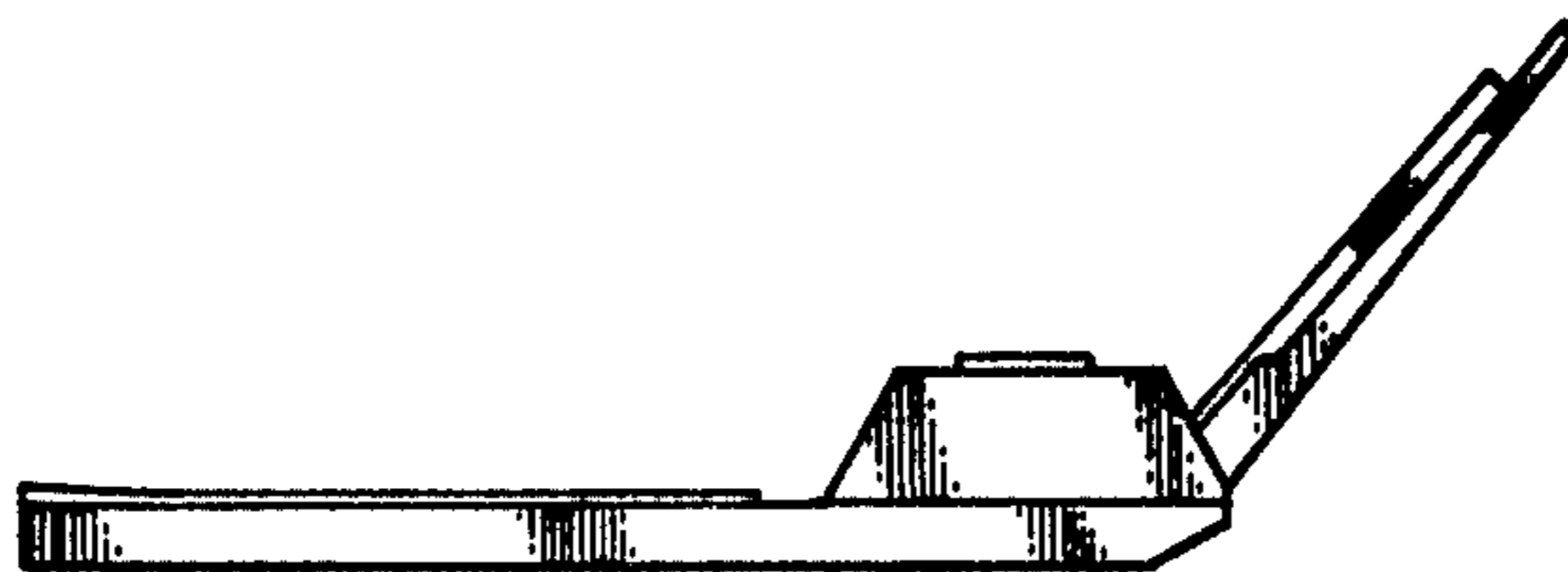


FIG. 3

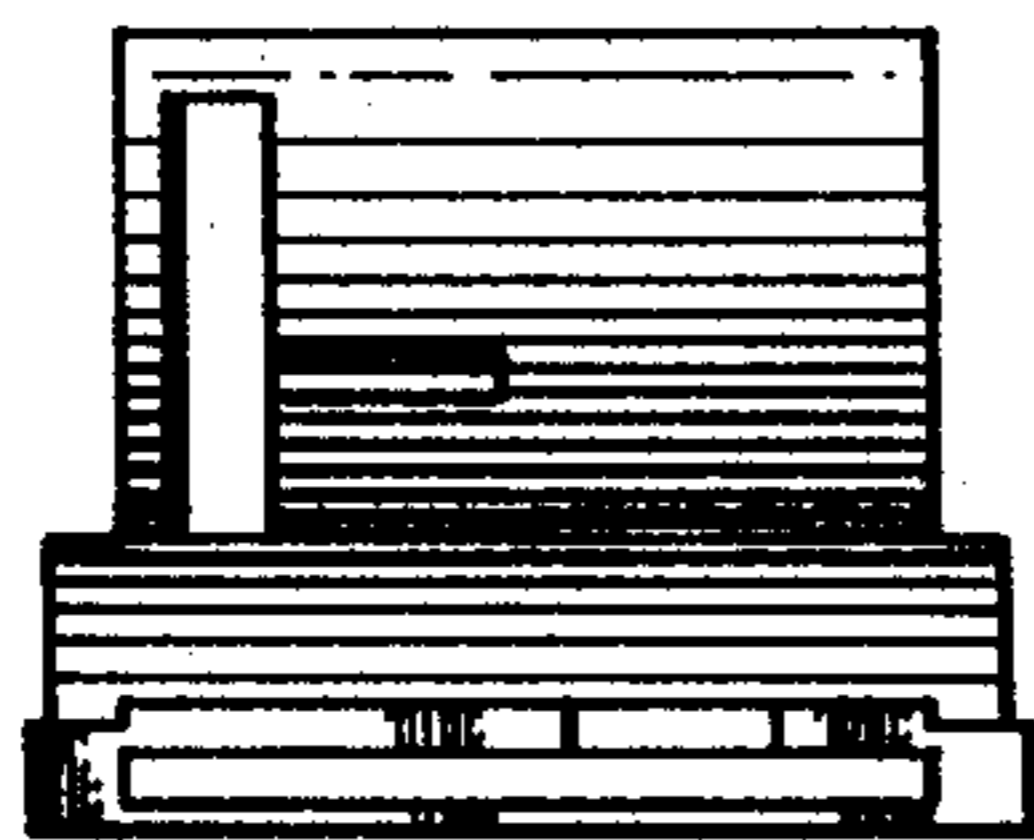


FIG. 4

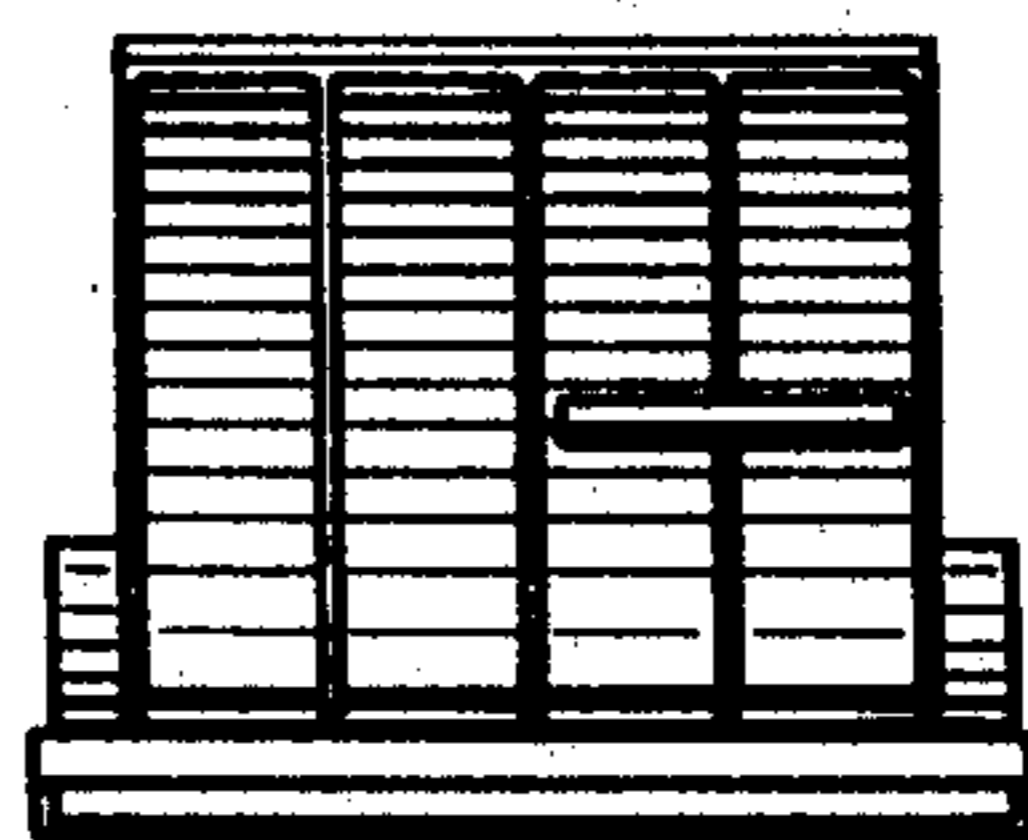


FIG. 5



FIG. 6

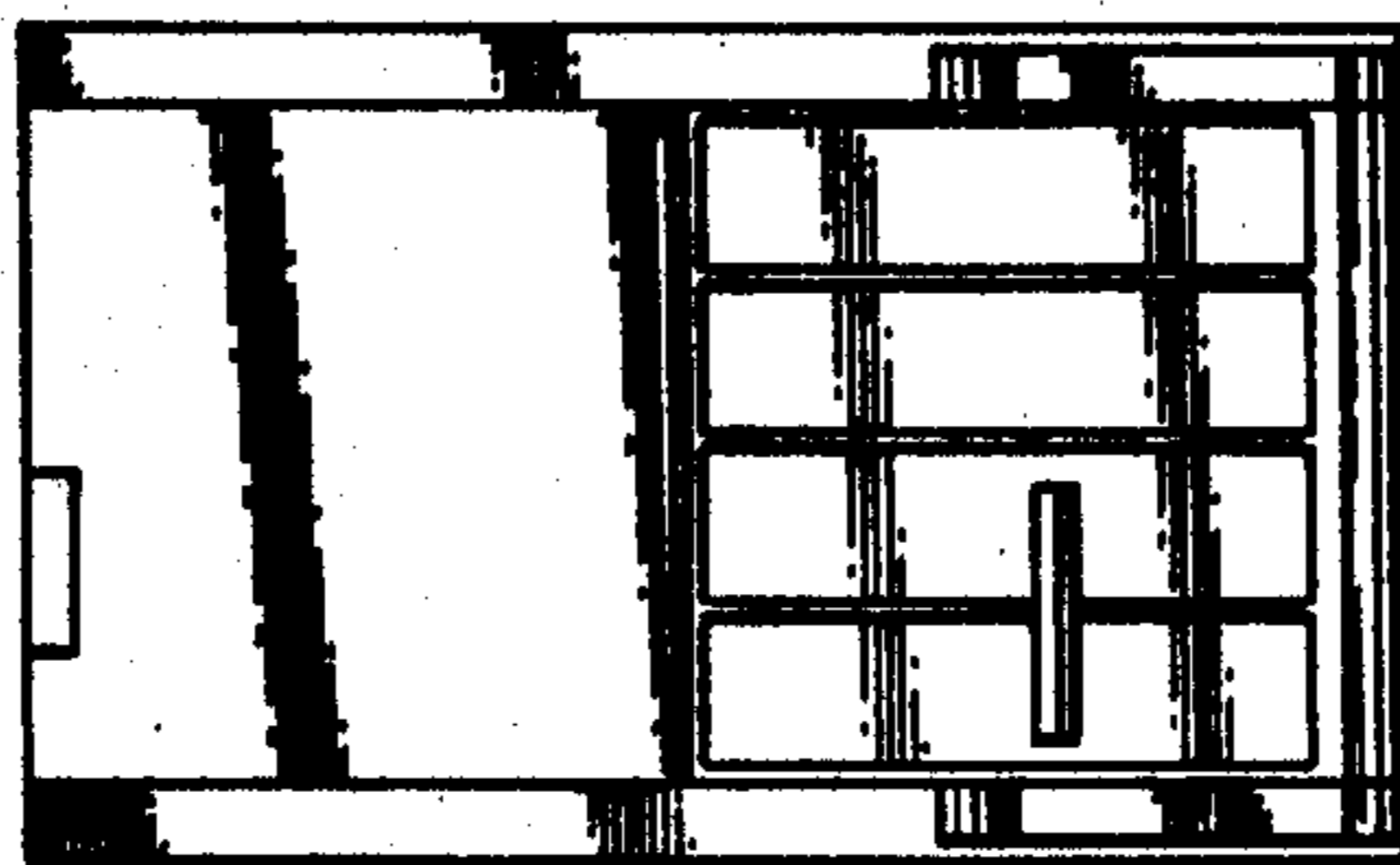


FIG. 7