



US00D333891S

United States Patent [19]

[11] Patent Number: **Des. 333,891**

Reed, Jr. et al.

[45] Date of Patent: **** Mar. 9, 1993**

[54] **FILTER FOR A VACUUM CLEANER**

4,967,443 11/1990 Krasnai et al. 15/347
5,020,187 6/1991 Kosten et al. 15/347
5,065,473 11/1991 Krasnai et al. 15/344

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[73] Assignee: **Black & Decker Inc., Newark, Del.**

[57] **CLAIM**

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

The ornamental design for a filter for a vacuum cleaner, as shown and described.

[21] Appl. No.: **550,932**

[22] Filed: **Jul. 11, 1990**

DESCRIPTION

[52] U.S. Cl. **D32/30**
[58] Field of Search **D32/25, 30, 31; 15/344, 15/347, 349, 352, 353, DIG. 8, 339; 55/462, 464**

FIG. 1 is a perspective view of a filter for a vacuum cleaner showing our new design;
FIG. 2 is a top plan view thereof;
FIG. 3 is a right side elevational view thereof, the left side being a mirror image;
FIG. 4 is a bottom plan view thereof;
FIG. 5 is a rear elevational view thereof;
FIG. 6 is a cross-sectional view thereof, taken along line 6—6 in FIG. 5; and,
FIG. 7 is a front elevational view thereof.

[56] **References Cited**

U.S. PATENT DOCUMENTS

D. 186,583	11/1959	Gaudry	D32/30
4,209,875	7/1980	Pugh et al.	15/344
4,665,582	5/1987	Richmond et al.	15/344
4,831,685	5/1989	Bosyj et al.	15/347

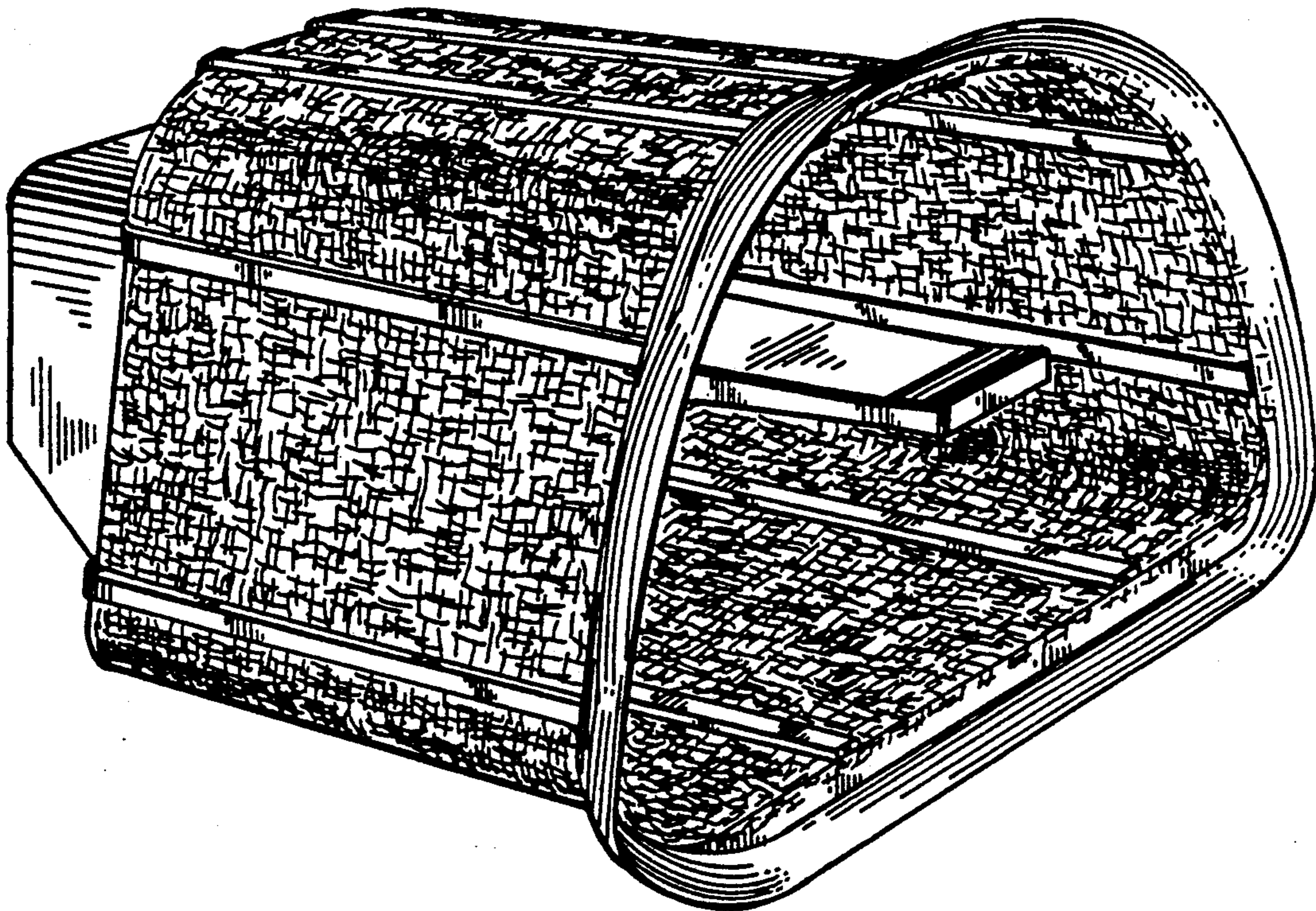


FIG. 1

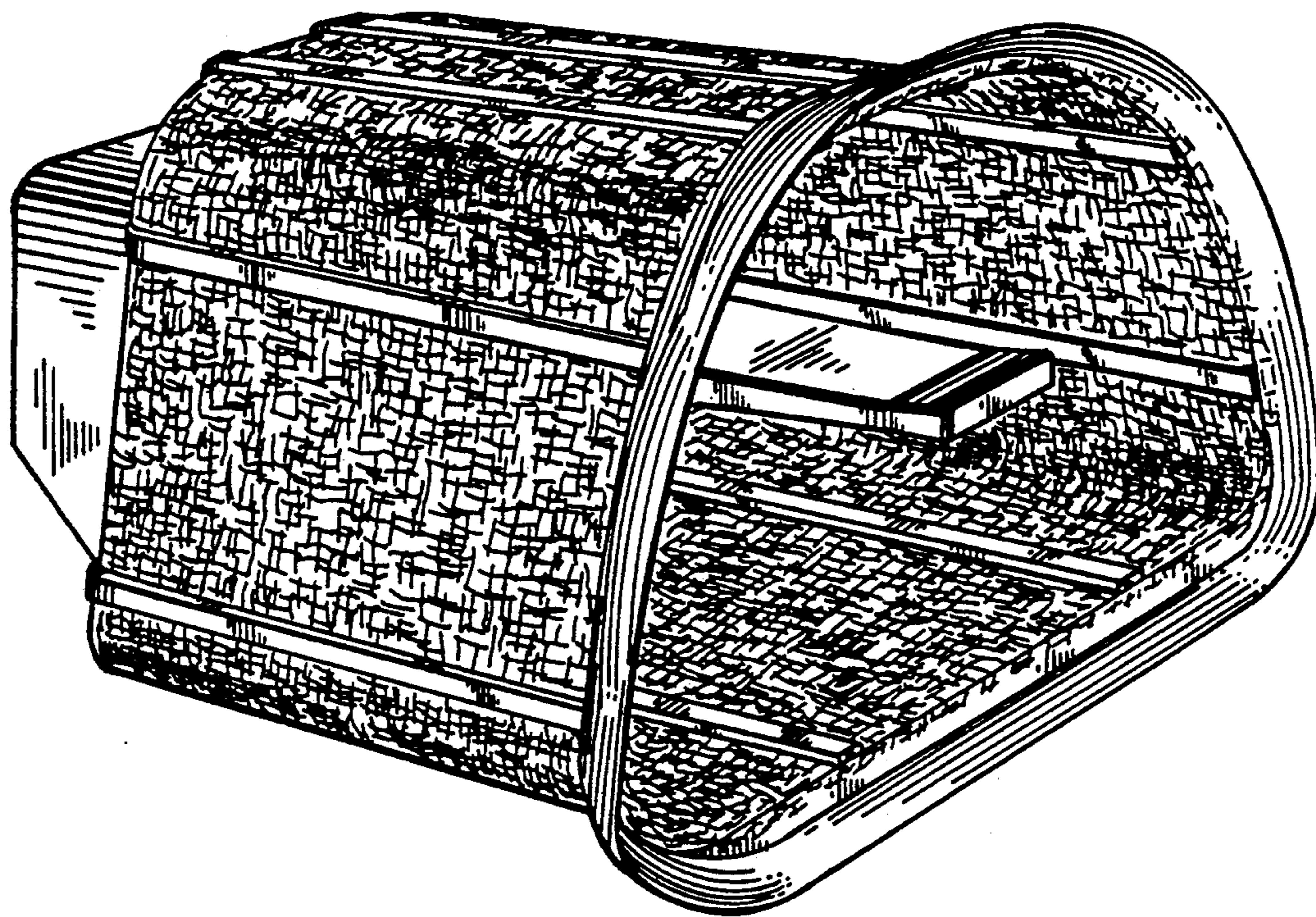


FIG. 2

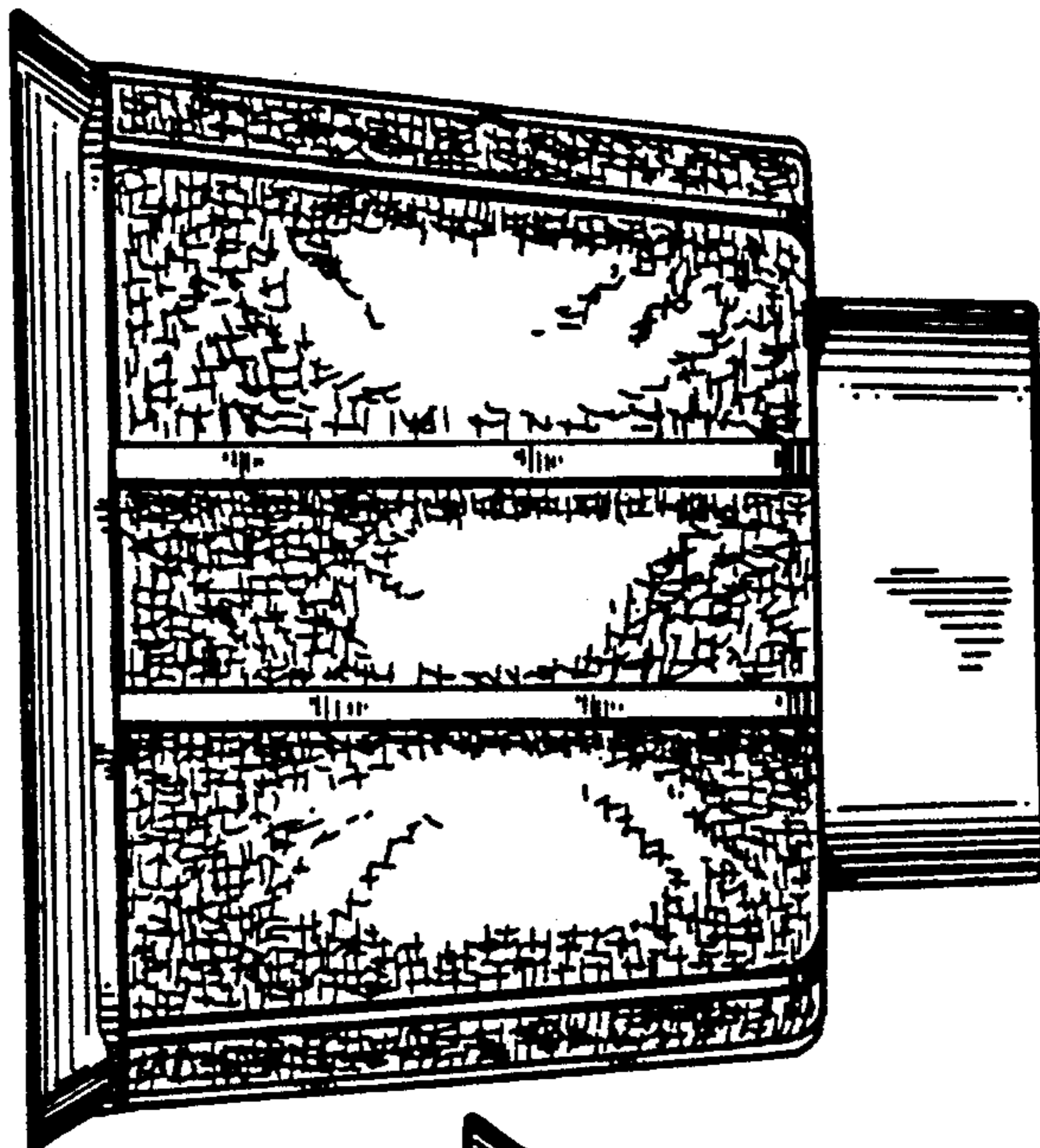


FIG. 3

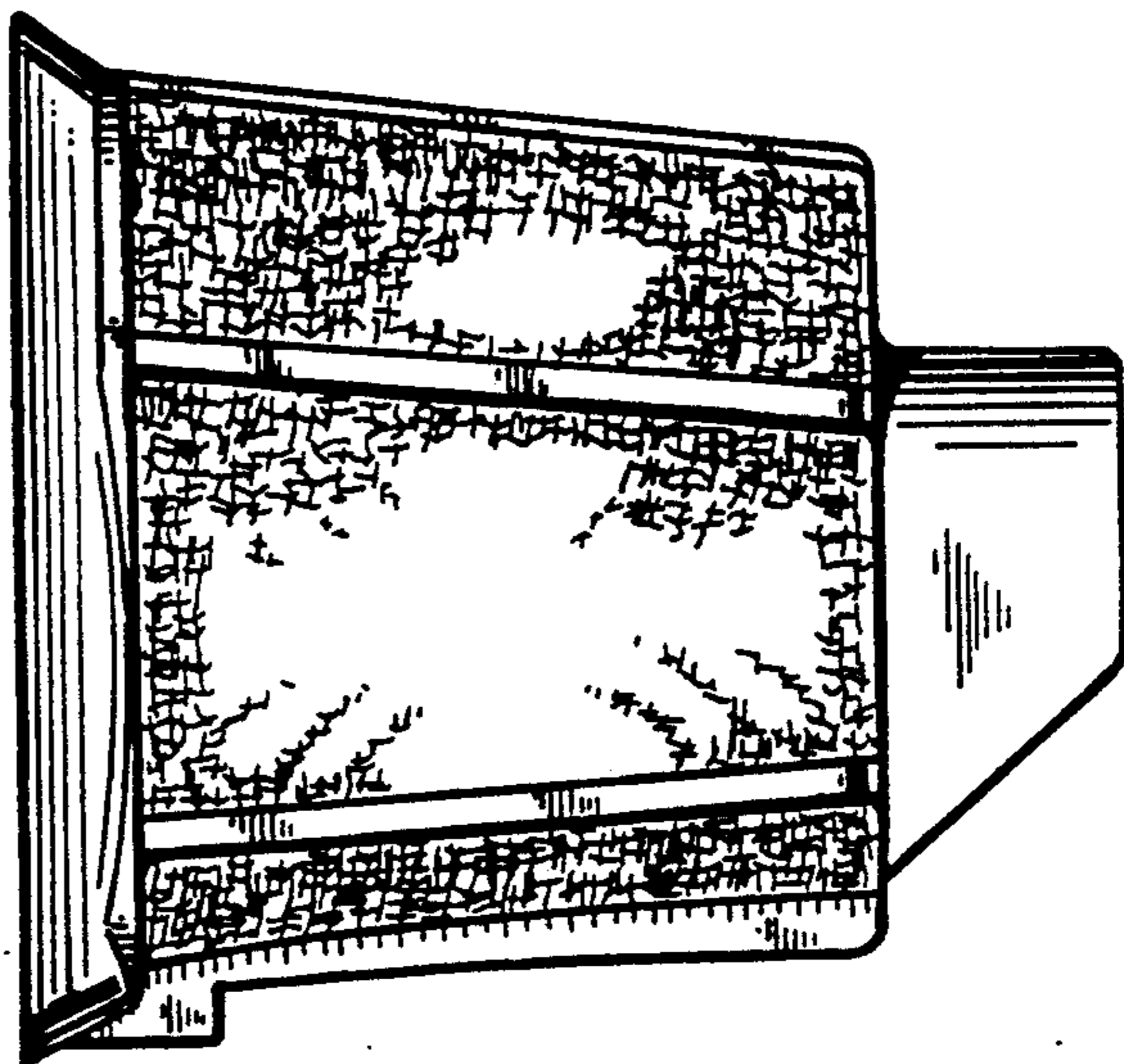


FIG. 4

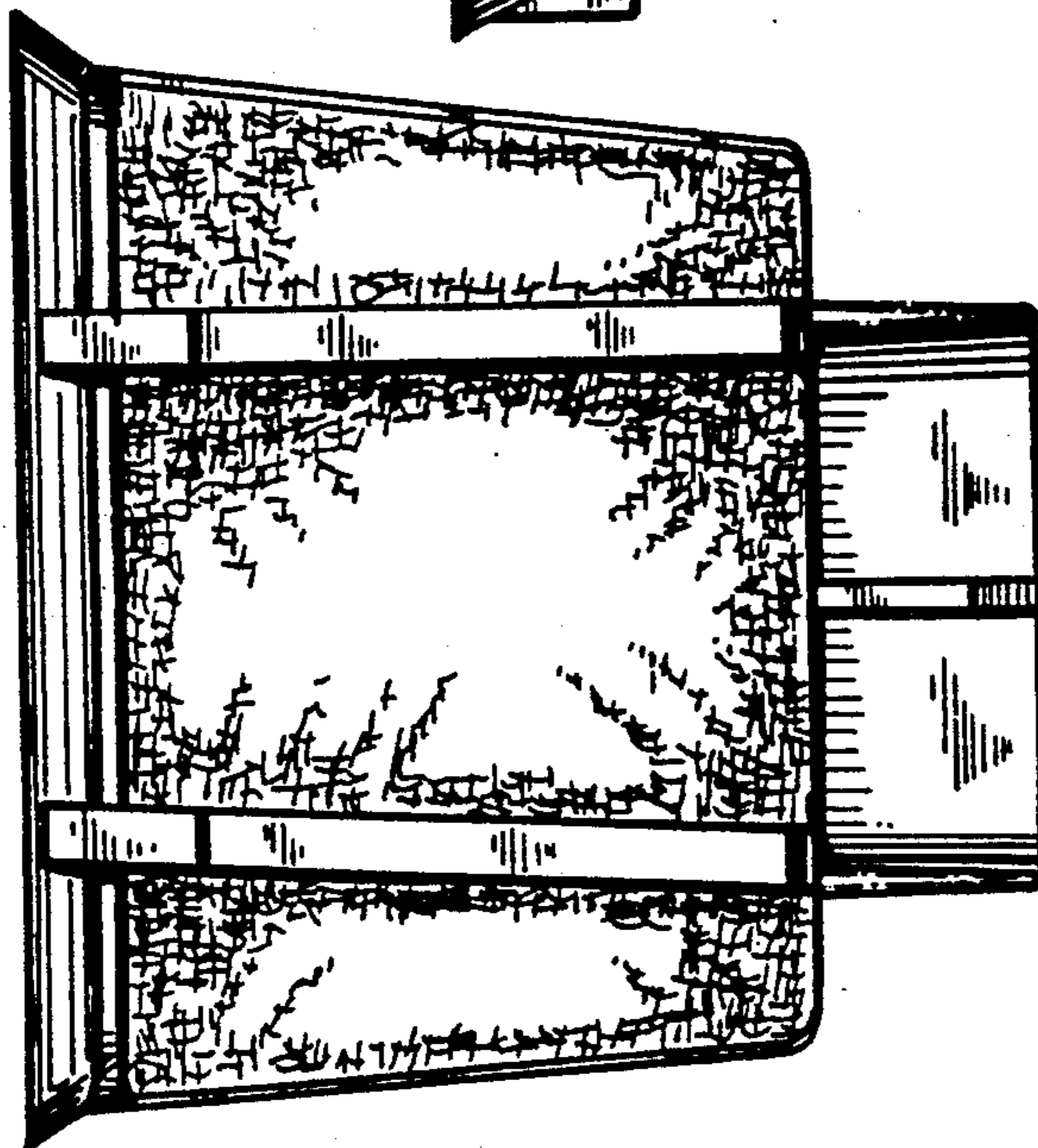


FIG.5

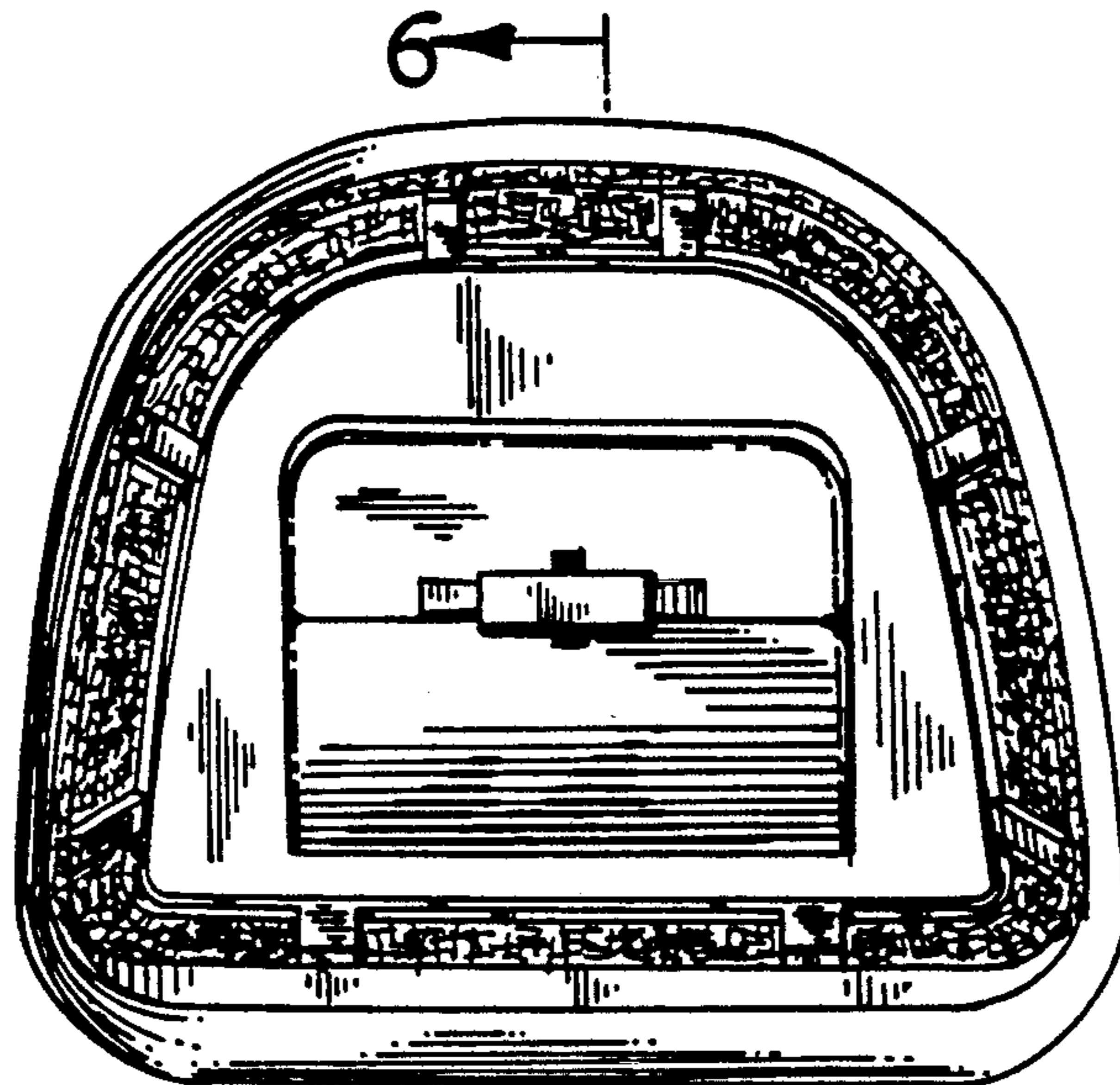


FIG.6

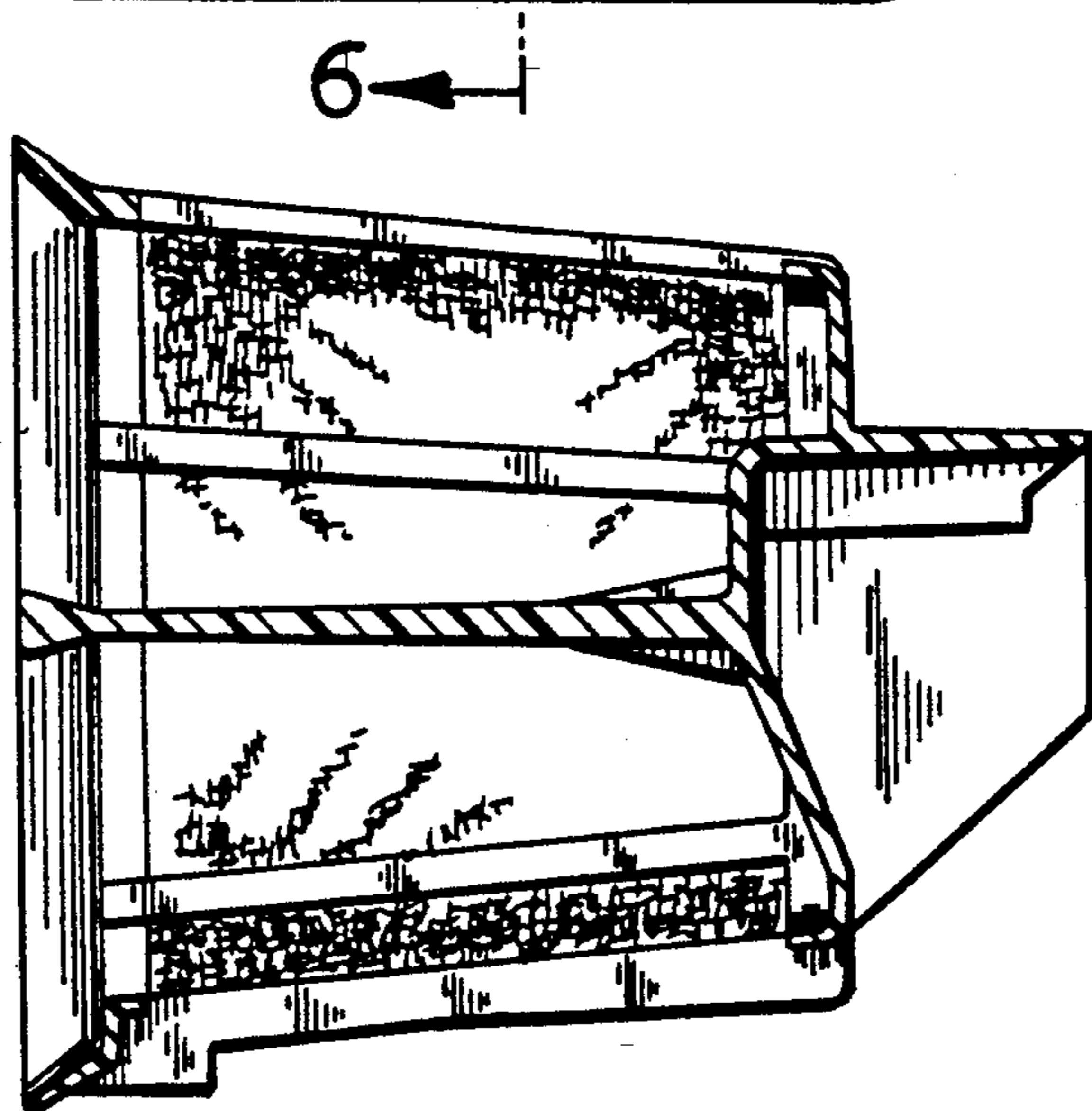


FIG.7

