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# United States Patent [19]

Kajimoto et al.

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[54] **WINDOW CLEANER WITH A DETACHABLE WIPING PORTION**

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Japan

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Osaka, Japan

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

[21] Appl. No.: **29/085,029**

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[30] **Foreign Application Priority Data**

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[51] **LOC (6) Cl.** ..... **08-05**

[52] **U.S. Cl.** ..... **D32/40; D4/137**

[58] **Field of Search** ..... D32/40, 35, 43;  
D4/137; 15/244.1, 244.4, 218.1, 220.4,  
229.11, 209.1, 210.1, DIG. 14; 401/137,  
138, 140, 203, 133

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

- D. 256,190 8/1980 Janssen .
- D. 260,845 9/1981 Friebel ..... D32/40
- D. 304,513 11/1989 Loffredo ..... D32/40
- D. 386,849 11/1997 Dehavilland ..... D32/40
- D. 392,079 3/1998 Omerza ..... D32/52

- D. 393,116 3/1998 Kajimoto et al. .... D32/40
- 4,183,684 1/1980 Avery, Jr. .... 401/133
- 4,923,316 5/1990 Fattal ..... 401/138 X
- 5,432,973 7/1995 Wagner et al. .... 15/210.1
- 5,477,581 12/1995 Wind ..... 15/210.1

**FOREIGN PATENT DOCUMENTS**

1011044 3/1998 Japan .

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Mathis, L.L.P.; William A. Knoeller

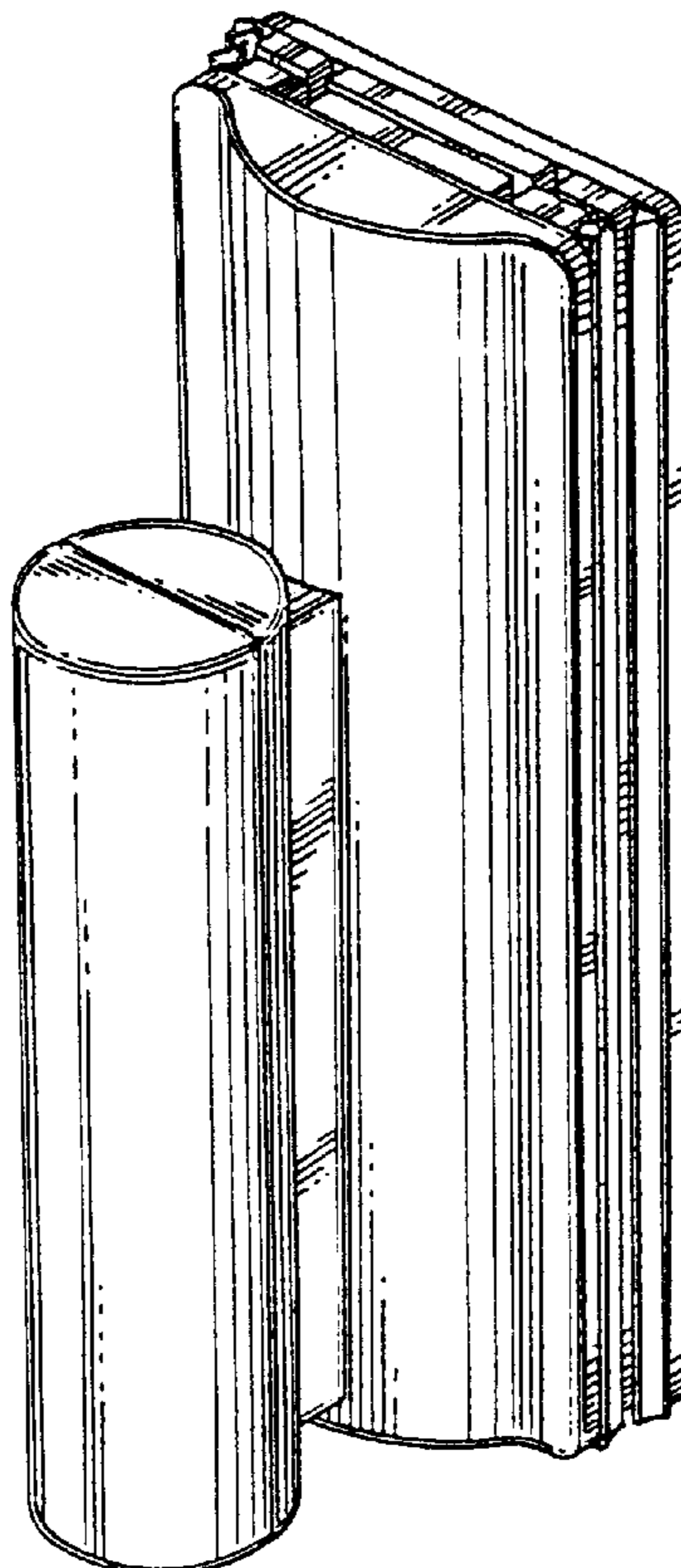
[57] **CLAIM**

The ornamental design for a window cleaner with detachable wiping portion, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view showing the handle, right side and one end of our design for a window cleaner with detachable wiping portion, said detachable wiping portion being shown in the assembled position;  
FIG. 2 is a right side elevational view thereof; the left side elevational view is a mirror image of FIG. 2;  
FIG. 3 is a top plan view thereof;  
FIG. 4 is a bottom plan view thereof with the wiping portion in the assembled position; and,  
FIG. 5 is an elevational view from one end thereof; the opposite end is a mirror image of FIG. 5.

**1 Claim, 3 Drawing Sheets**



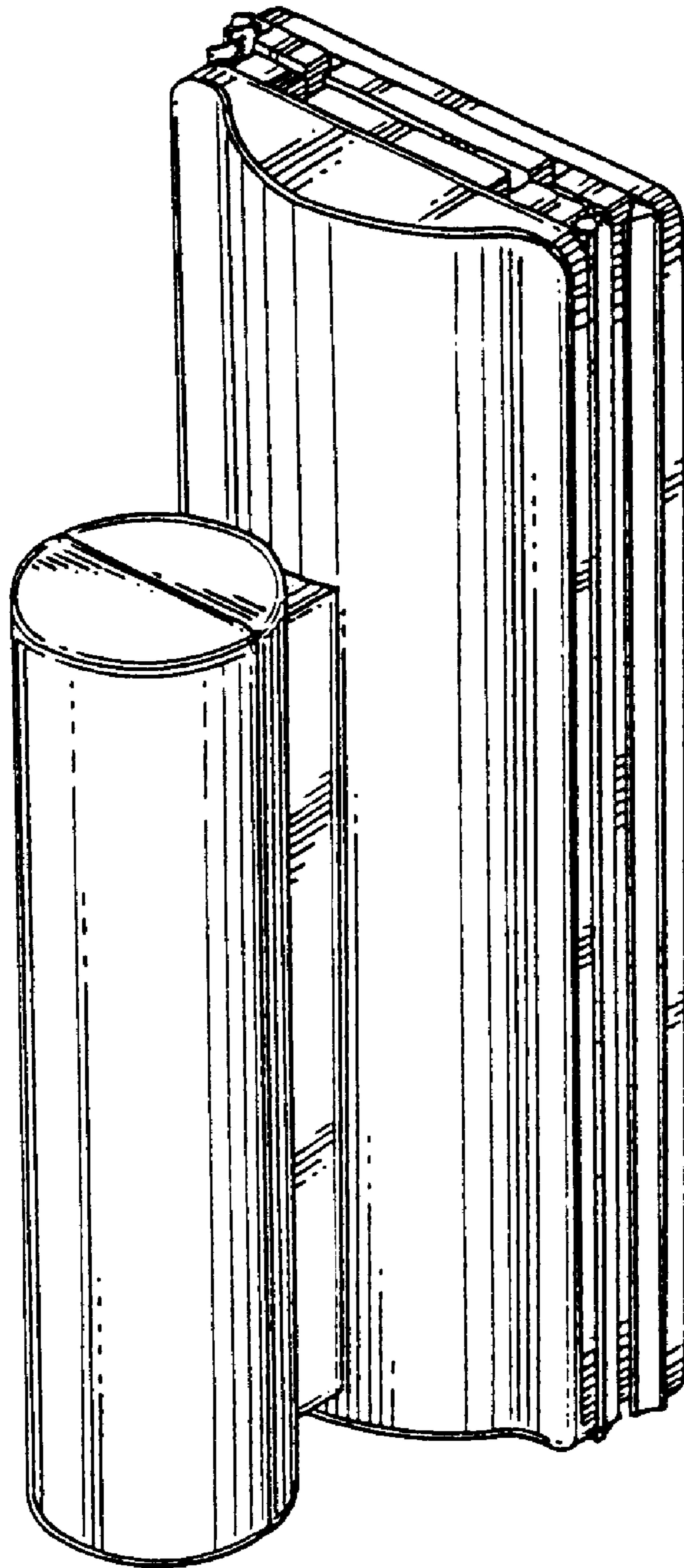


FIG. 1

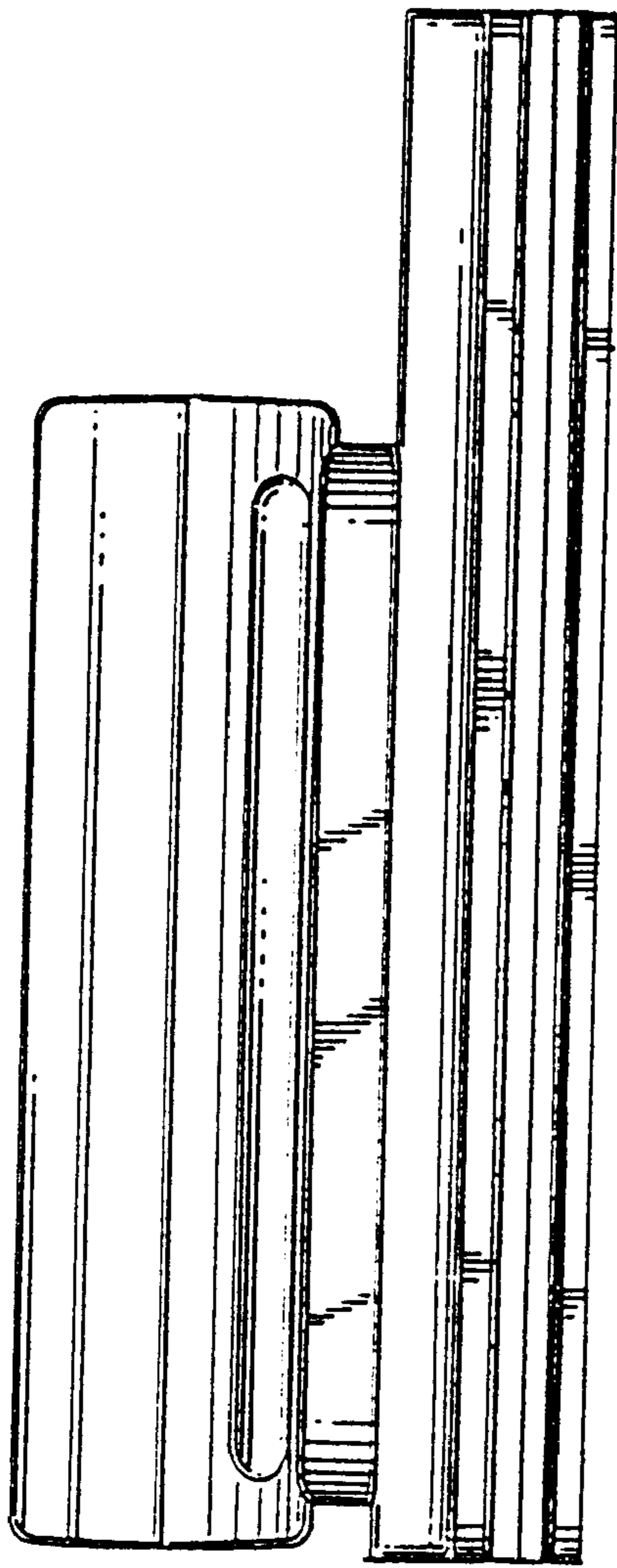


FIG. 2

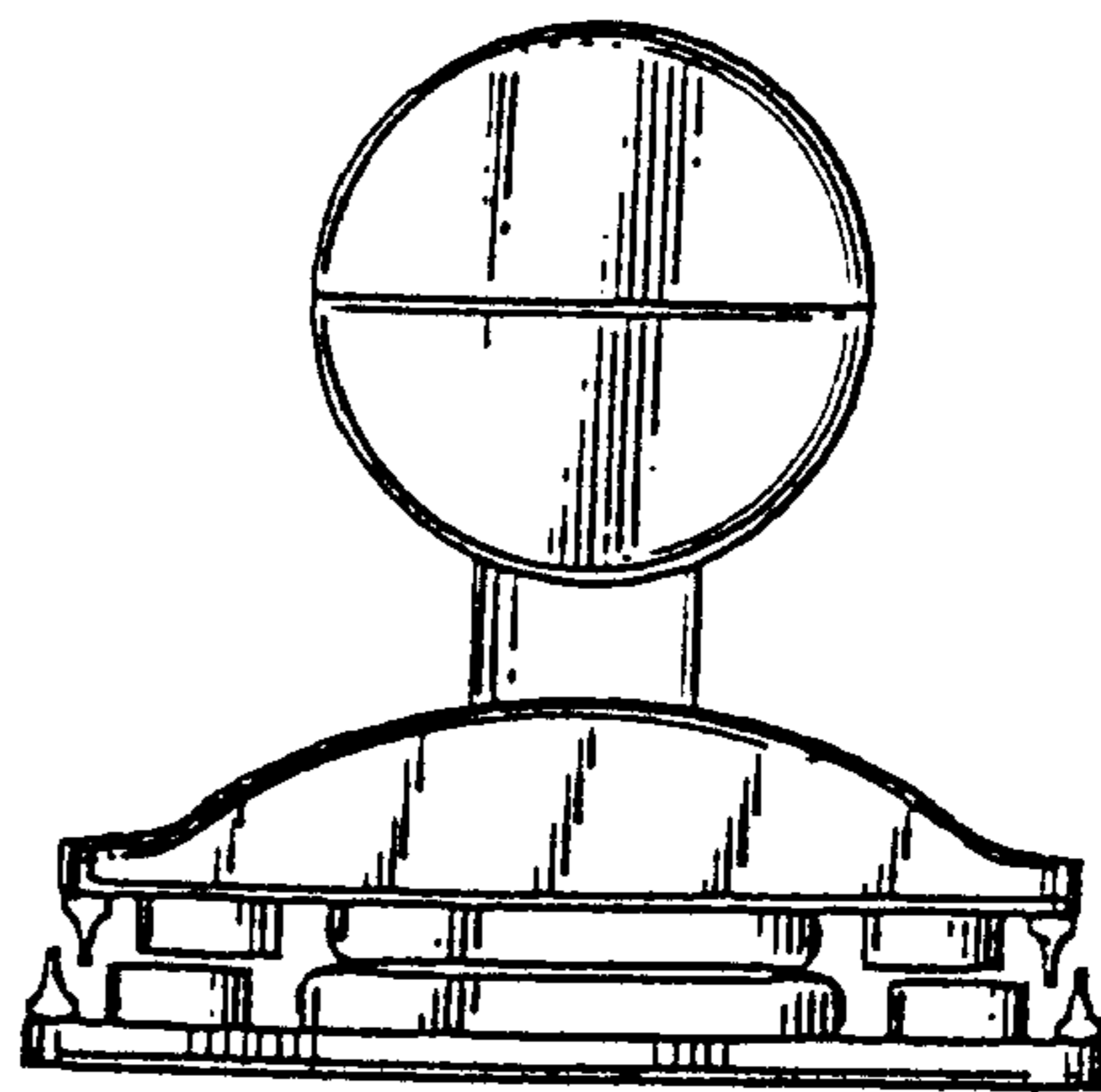


FIG. 5

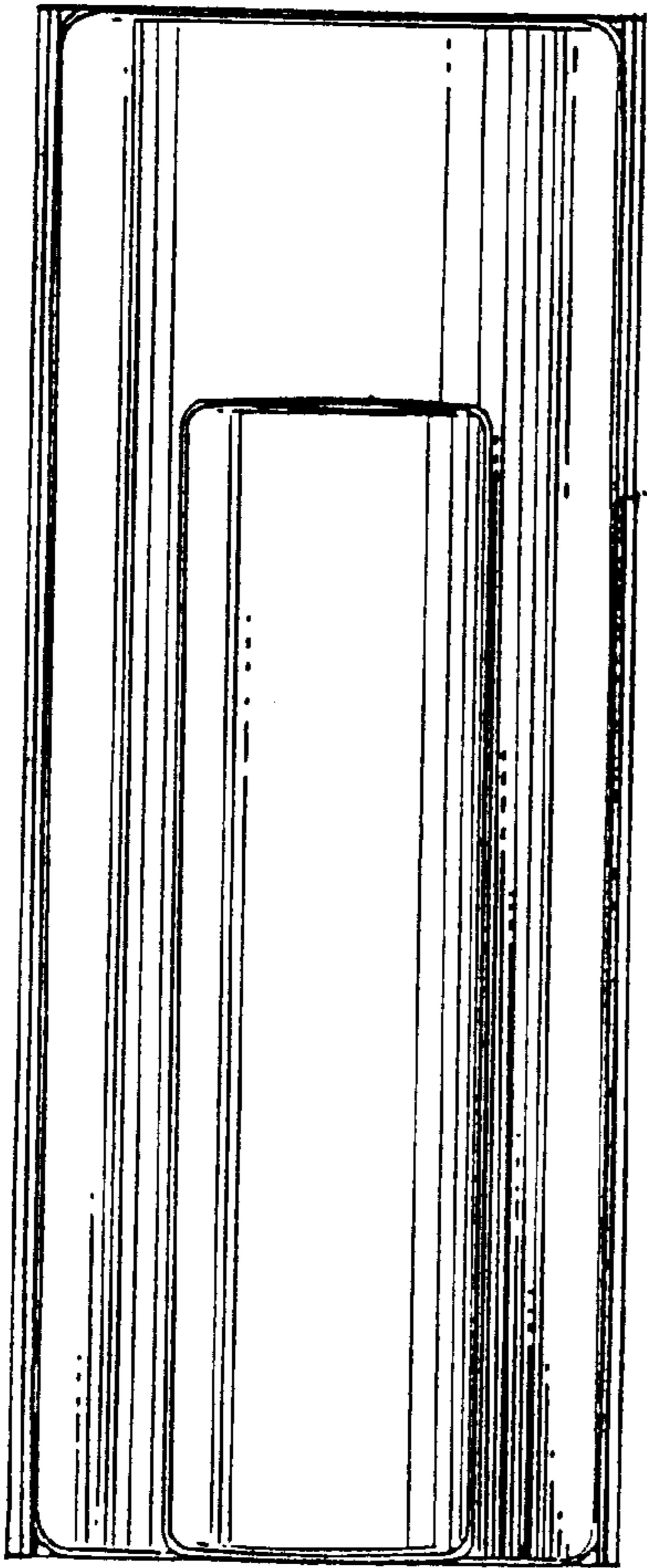


FIG. 3

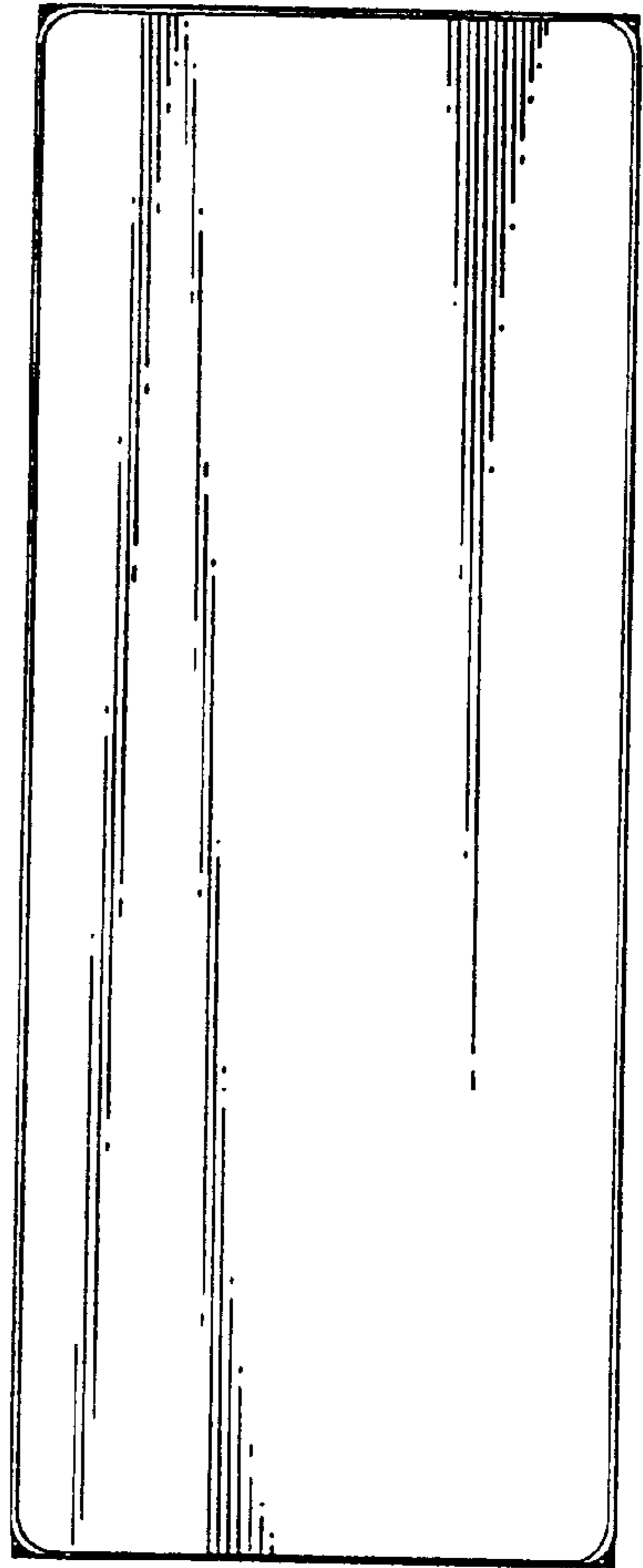


FIG. 4