



US00D331220S

# United States Patent [19]

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Tsuchiya

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[54] **BATTERY CHARGER**

[75] Inventor: **Masayoshi Tsuchiya, Milan, Italy**

[73] Assignee: **Sony Corporation, Tokyo, Japan**

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

[21] Appl. No.: **390,341**

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[30] **Foreign Application Priority Data**

Feb. 8, 1989 [JP] Japan ..... 1-04379

[52] U.S. Cl. .... **D13/107**

[58] Field of Search ..... **D13/107, 108, 109, 120, D13/184; D14/253; 320/2, 3, 4, 5**

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

- D. 247,619 3/1978 Edgell et al. .... D13/107 X
- D. 280,317 8/1985 Boyd et al. .... D13/107 X
- D. 288,800 3/1987 Gemmell ..... D13/110
- D. 310,203 8/1990 Takahashi et al. .... D13/107
- D. 311,389 10/1990 Festa et al. .... D13/184 X
- 3,209,230 9/1965 Mas ..... D13/107 X
- 4,084,123 4/1978 Lineback et al. .... 320/2
- 4,403,182 9/1983 Yeh ..... 320/2

**FOREIGN PATENT DOCUMENTS**

0708888 7/1987 Japan ..... D13/107

**OTHER PUBLICATIONS**

Battery charger on p. 244 of *Hong Kong Enterprise* Nov. 1987.

Battery chargers on p. 340 of *Hong Kong Enterprise* Nov. 1987.

Battery chargers on p. 386 of *Hong Kong Enterprise* Nov. 1987.

Battery chargers on p. 387 of *Hong Kong Enterprise* Nov. 1987.

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[57] **CLAIM**

The ornamental design for a battery charger, as shown and described.

**DESCRIPTION**

FIG. 1 is a top, front, and right-side perspective view of a battery charger, showing my new design;

FIG. 2 is a top, front and left-side perspective view thereof, shown with the lid in the open position and on a reduced scale;

FIG. 3 is a top, front and left-side perspective view thereof, shown with the lid in the open position, a battery installed, and on a reduced scale;

FIG. 4 is a top, rear, and right-side perspective view thereof, shown with plug retracted;

FIG. 5 is a front elevational view thereof;

FIG. 6 is a rear elevational view thereof;

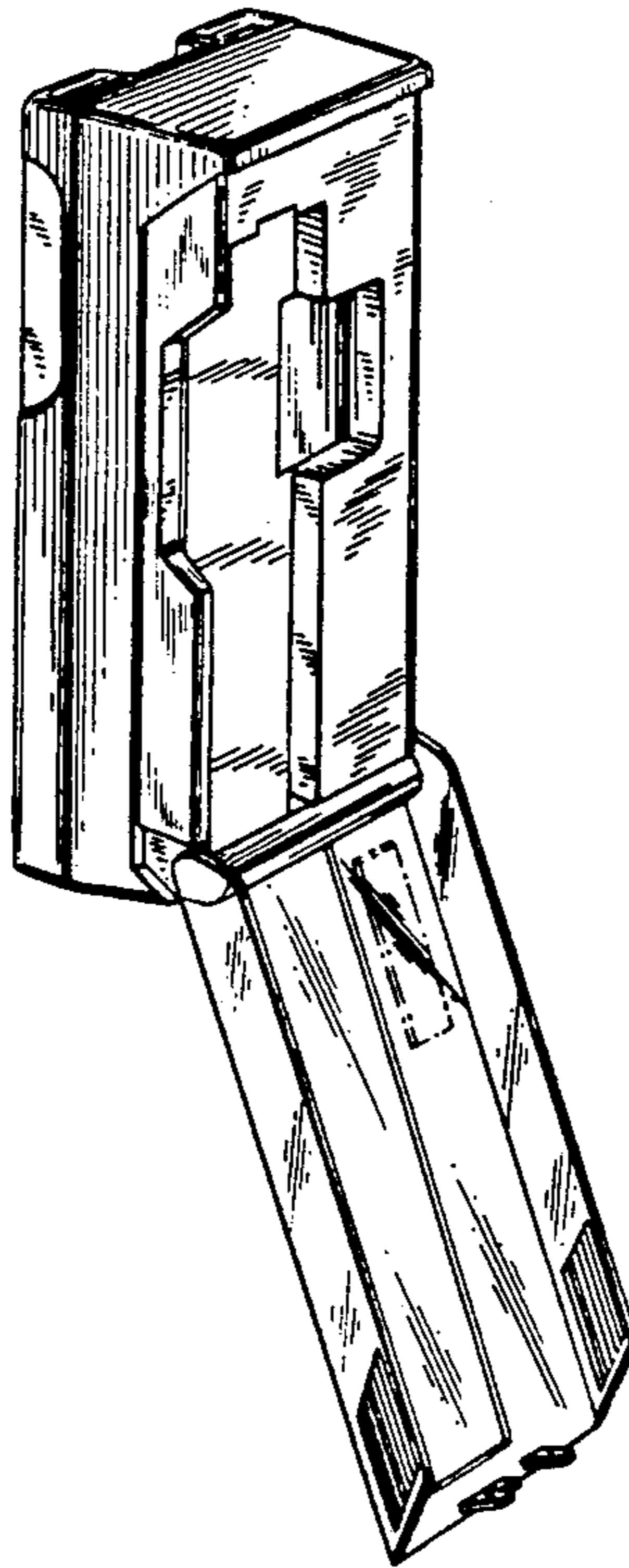
FIG. 7 is a left-side elevational view thereof;

FIG. 8 is a right-side elevational view thereof;

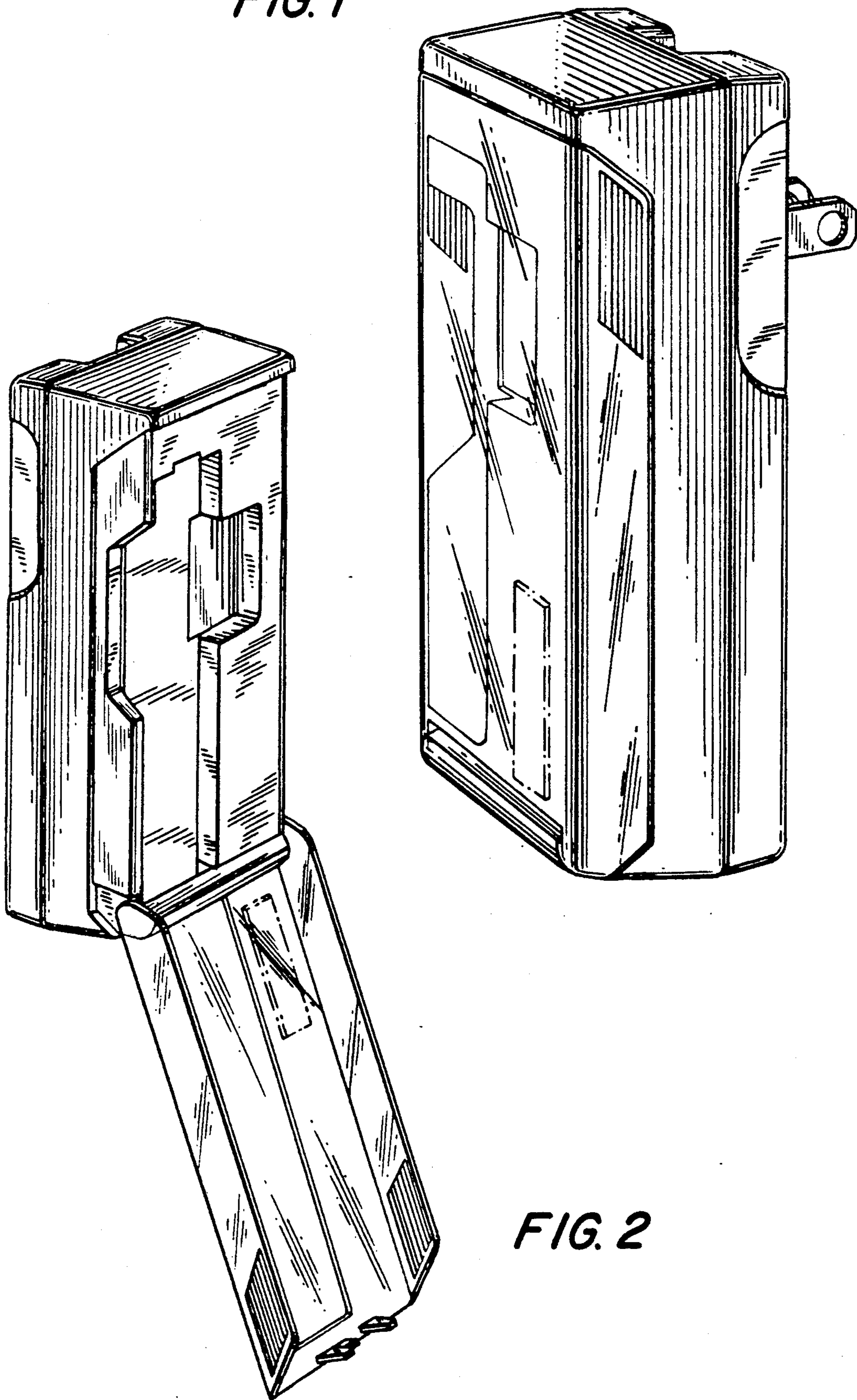
FIG. 9 is a top plan view thereof; and,

FIG. 10 is a bottom plan view thereof.

The elements shown in dashed lines form no part of the claimed design.

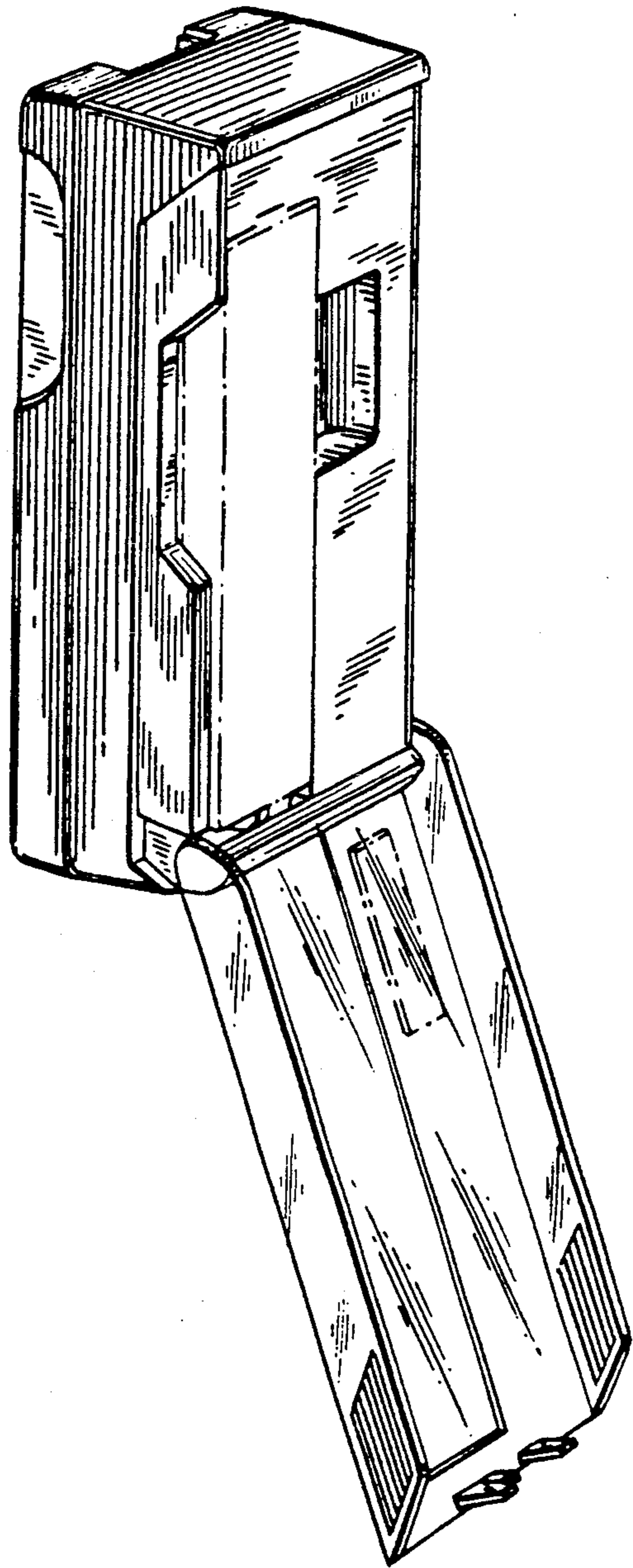


*FIG. 1*



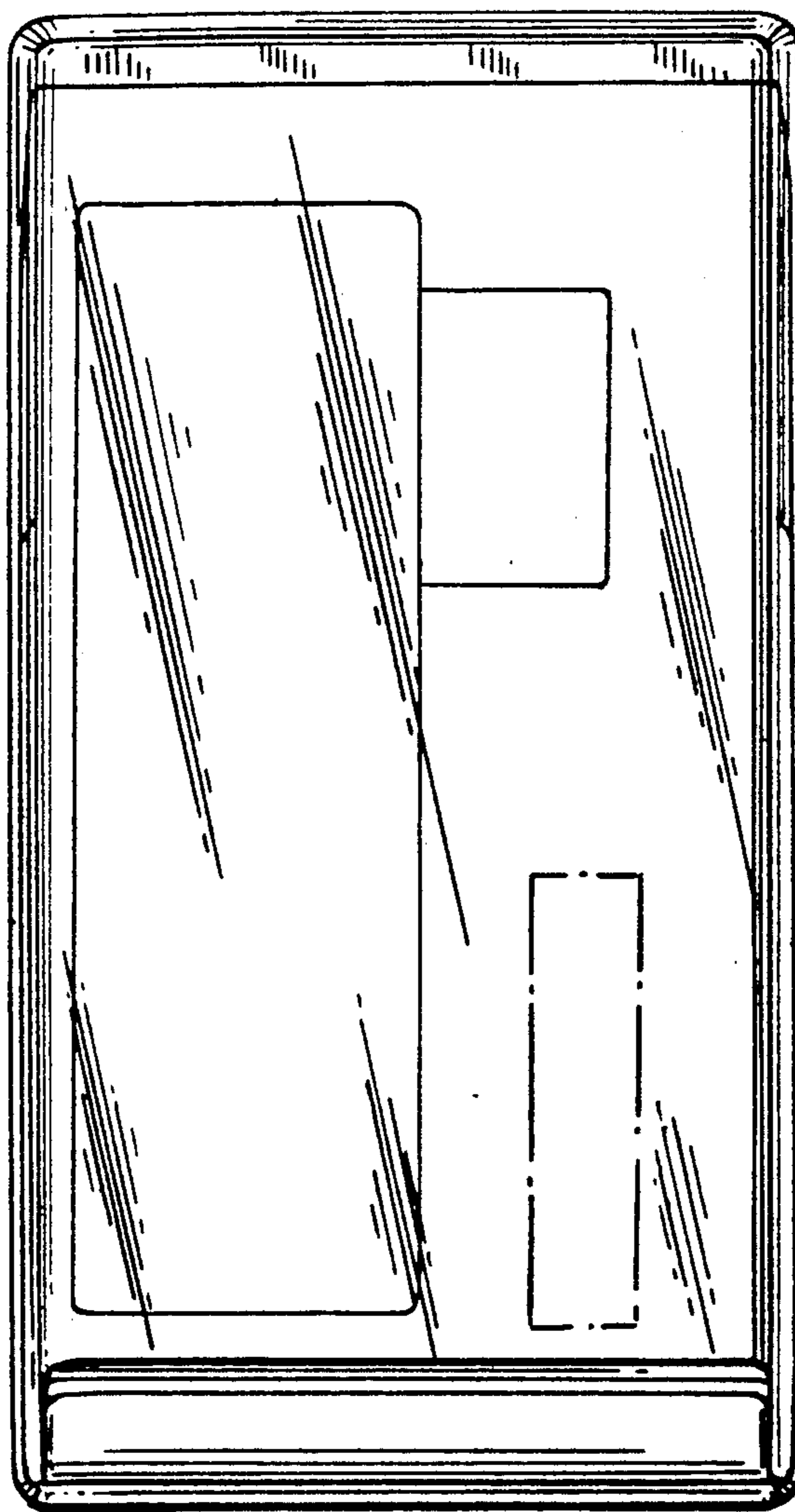
*FIG. 2*

*FIG. 3*



*FIG. 4*

*FIG. 5*



*FIG. 9*

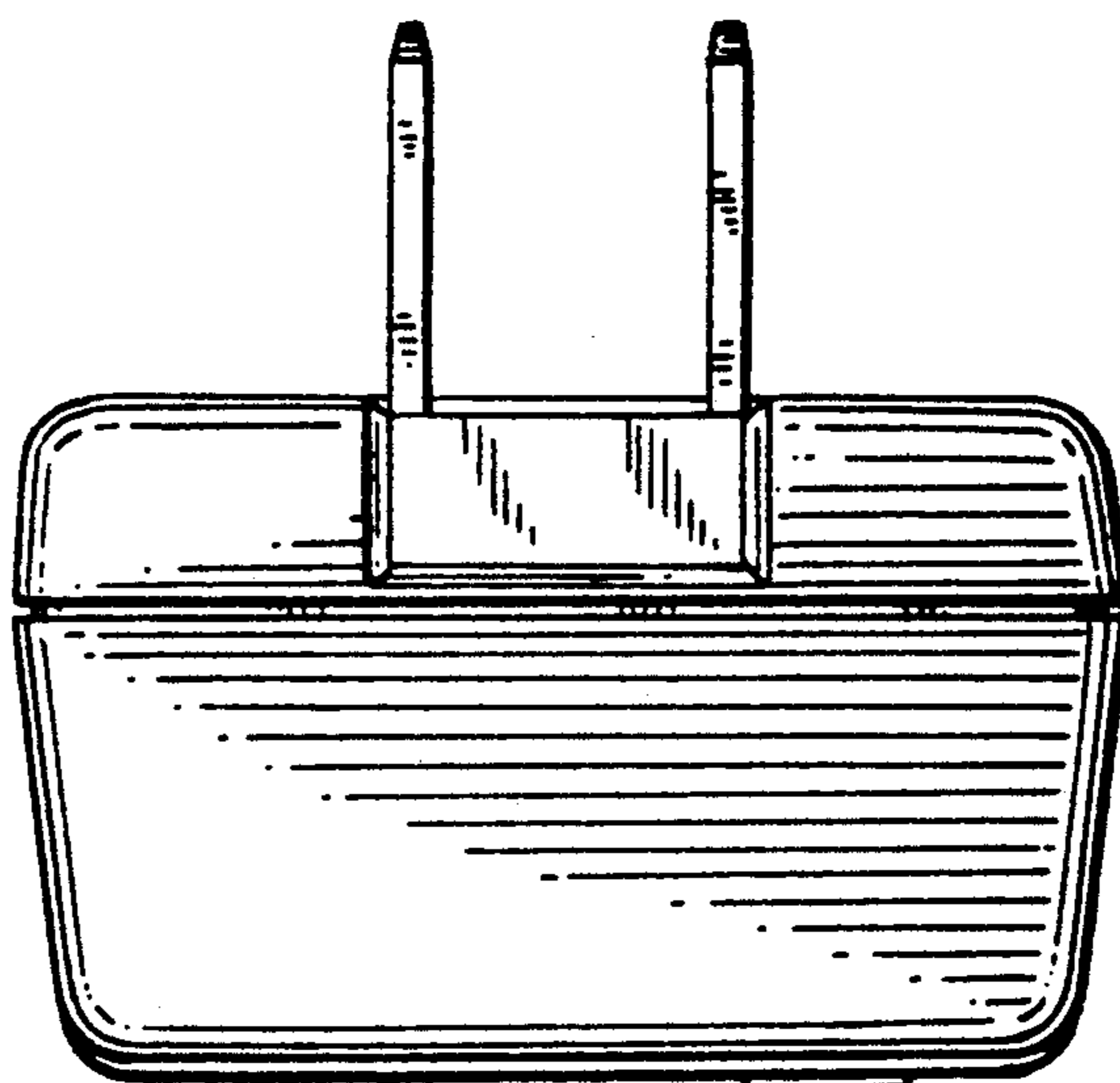


FIG. 7

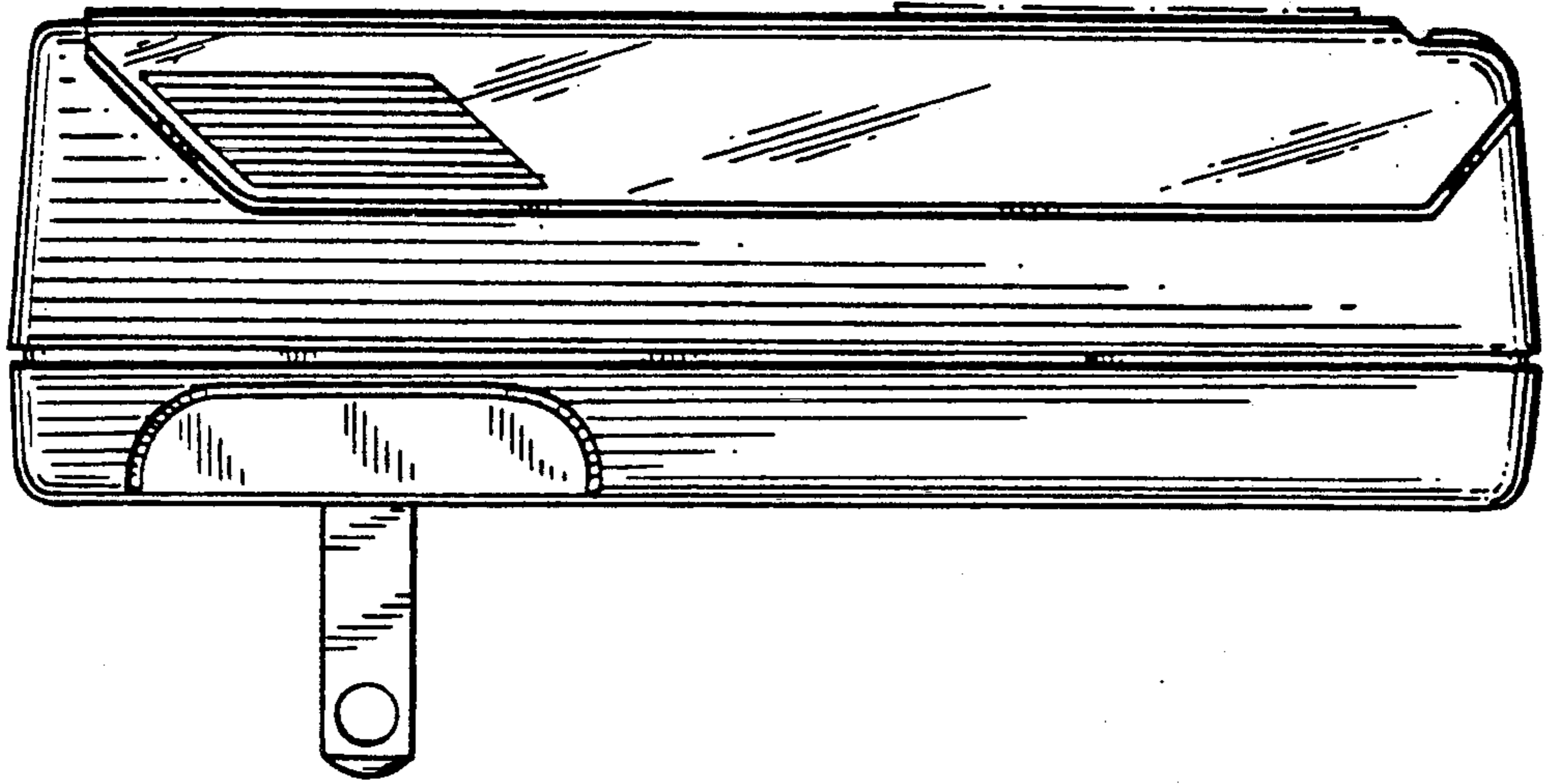
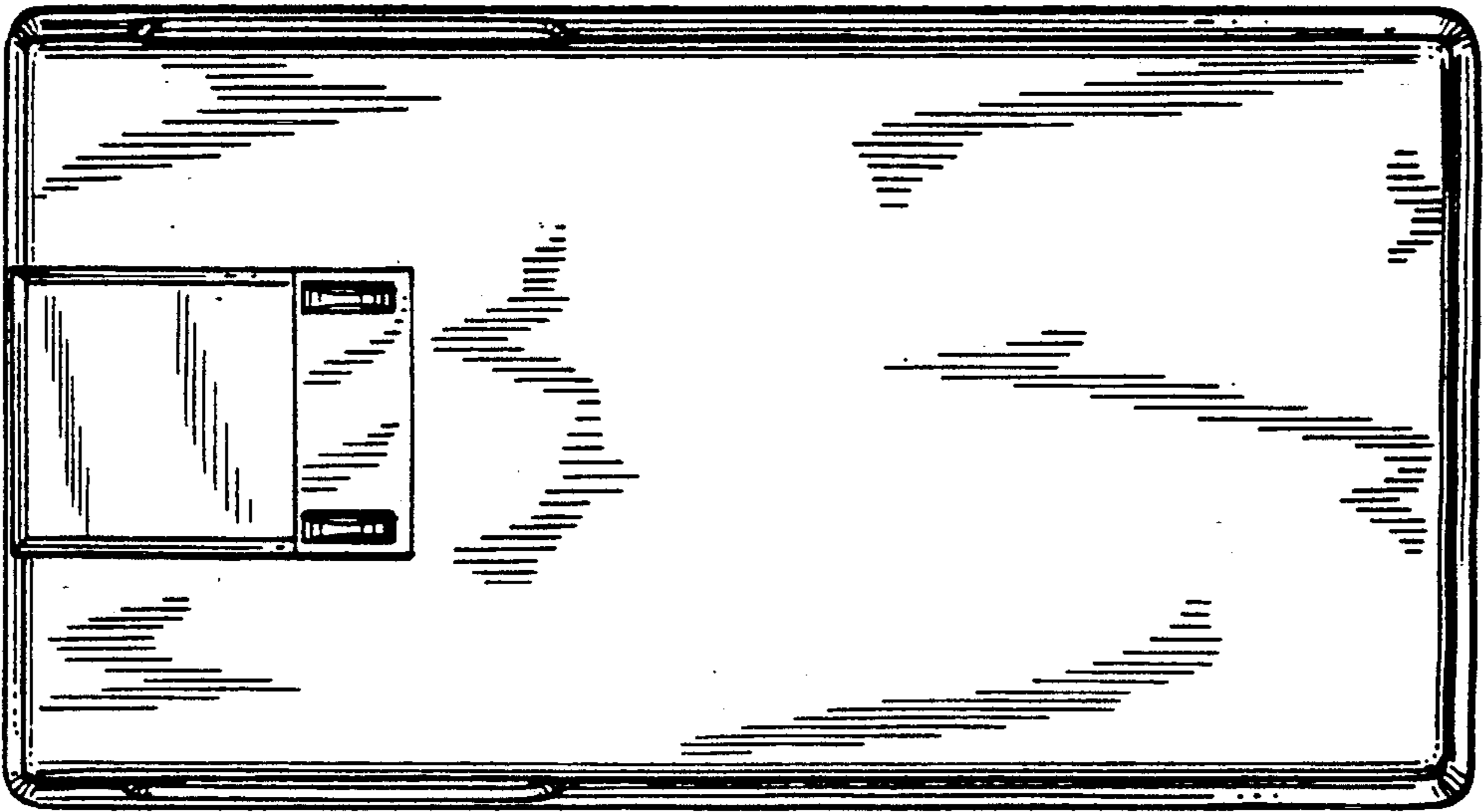
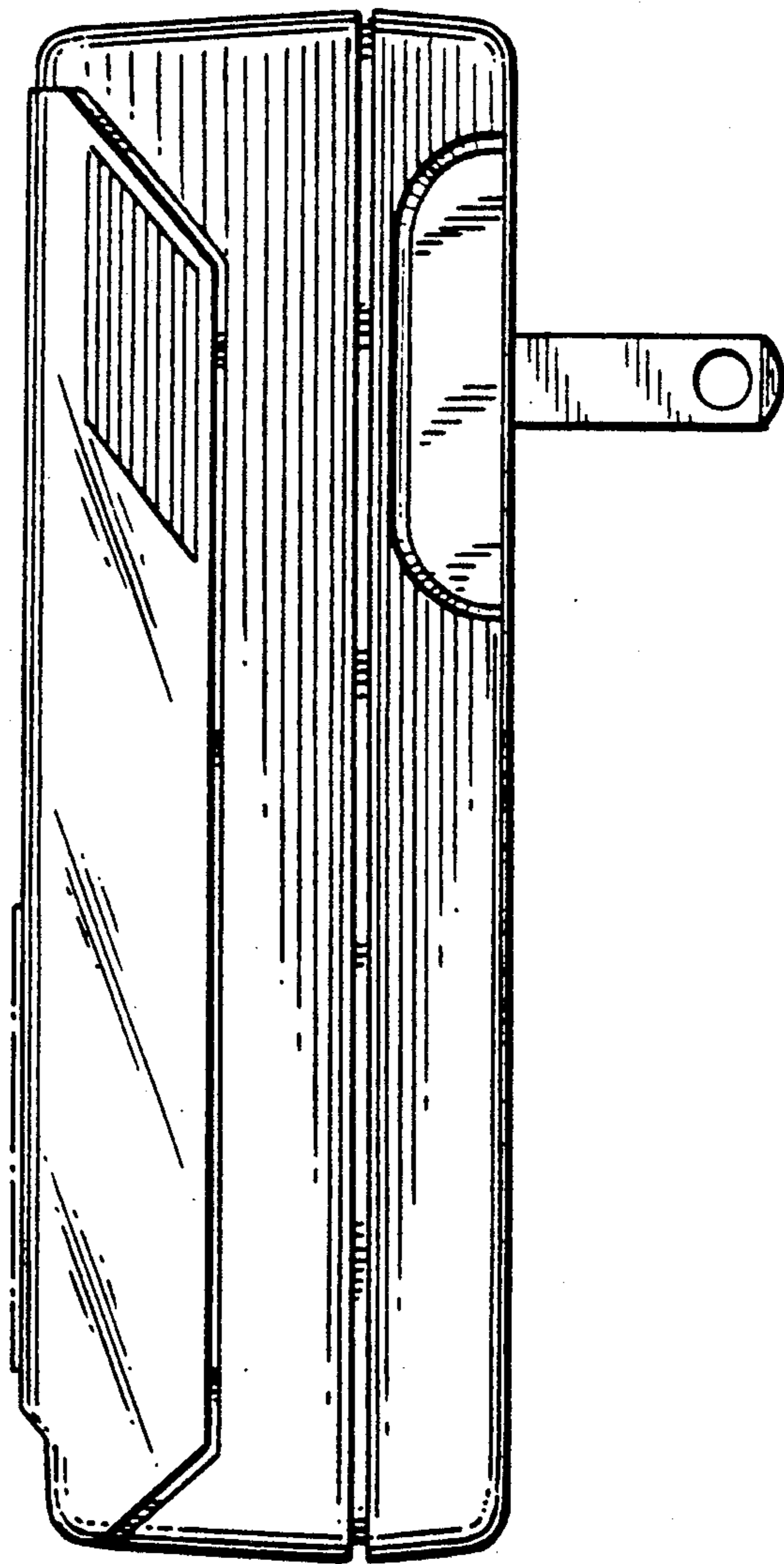


FIG. 6



*FIG. 8*



*FIG. 10*

