



US00D392490S

# United States Patent [19]

Kimata et al.

[11] Patent Number: **Des. 392,490**

[45] Date of Patent: **\*\*Mar. 24, 1998**

[54] **AUTOMATIC VENETIAN BLIND OPENER AND CLOSER**

[75] Inventors: **Akinori Kimata; Norifumi Niwa**, both of Anjo, Japan

[73] Assignee: **Makita Corporation**, Japan

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

[21] Appl. No.: **58,647**

[22] Filed: **Aug. 13, 1996**

### [30] Foreign Application Priority Data

Feb. 26, 1996 [JP] Japan ..... 8-5015

[51] LOC (6) Cl. .... **06-10**

[52] U.S. Cl. .... **D6/580**

[58] Field of Search ..... D6/580; 160/167, 160/168.1, 178.2, 331, DIG. 17; 318/16, 17

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*Primary Examiner*—Antoine Duval Davis  
*Attorney, Agent, or Firm*—Lahive & Cockfield, LLP

### [57] CLAIM

The ornamental design for a automatic venetian blind opener and closer, as shown and described

### DESCRIPTION

FIG. 1 is a perspective view of a automatic venetian blind opener and closer showing my new design; FIG. 2 is a front elevational view thereof; FIG. 3 is a rear elevational view thereof; FIG. 4 is a left side elevational view thereof; FIG. 5 is a right side elevational view thereof; FIG. 6 is top plan view thereof; and, FIG. 7 is bottom plan view thereof.

**1 Claim, 5 Drawing Sheets**

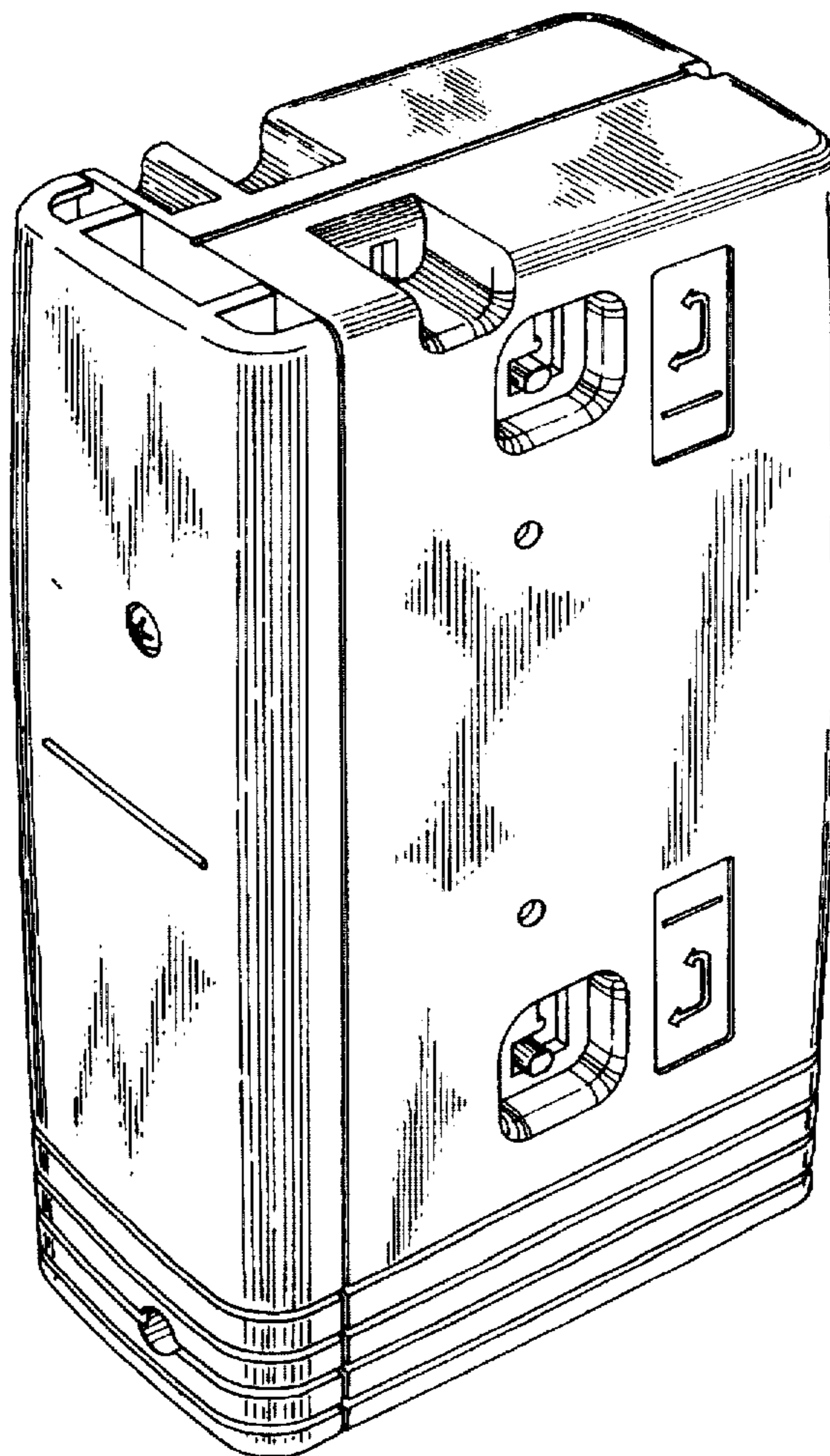


FIG. 1

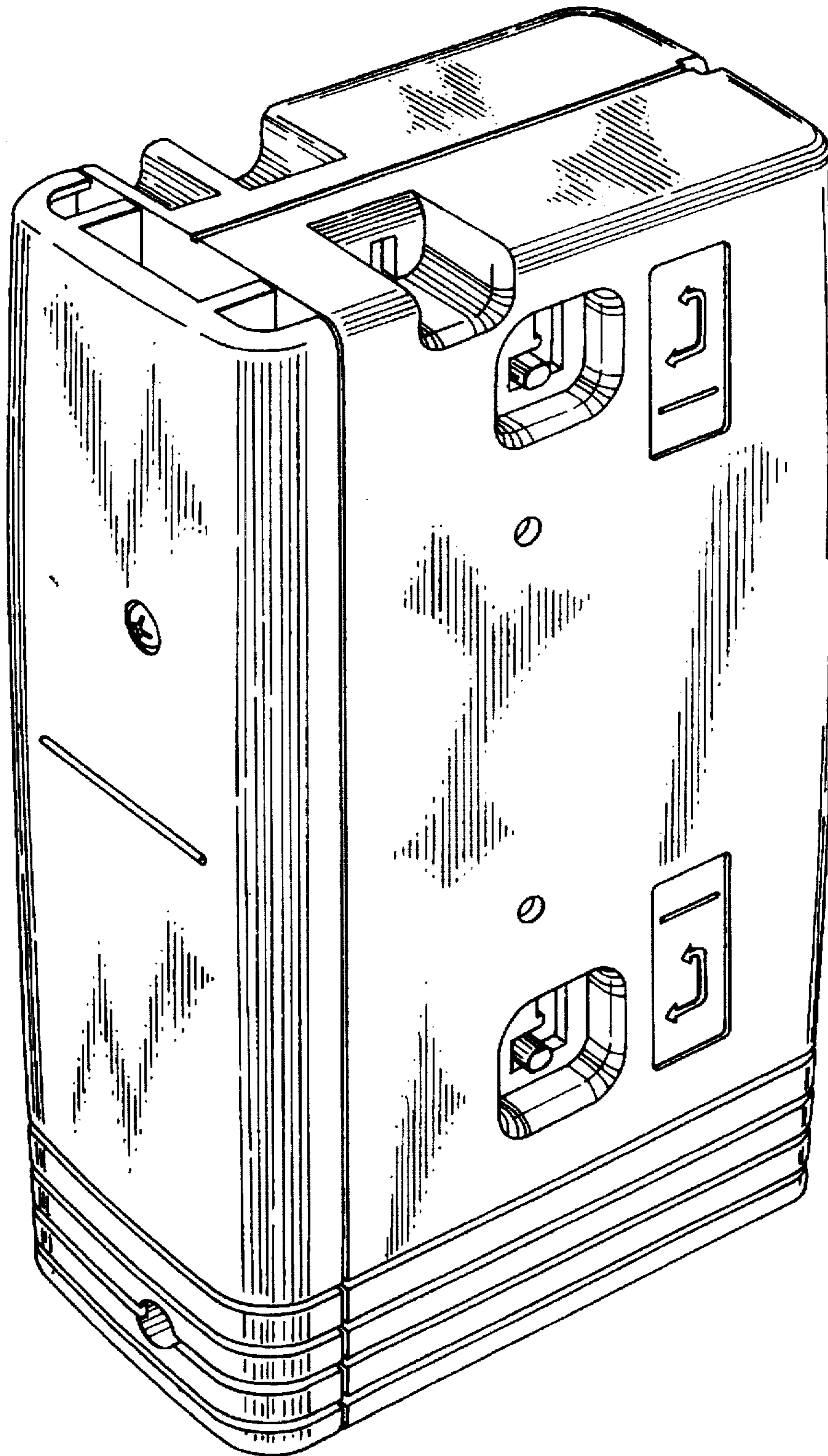


FIG. 2

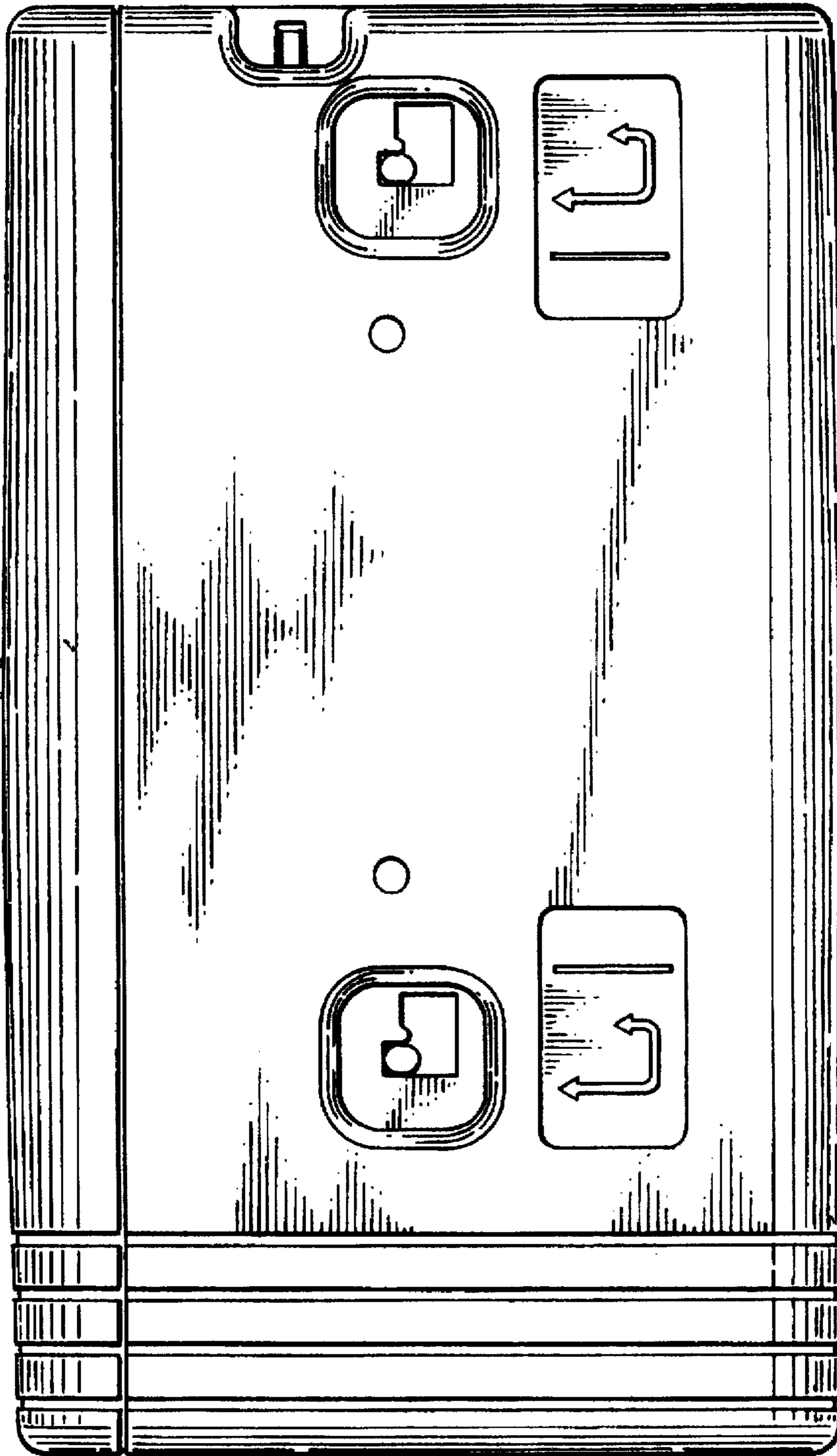




FIG. 3

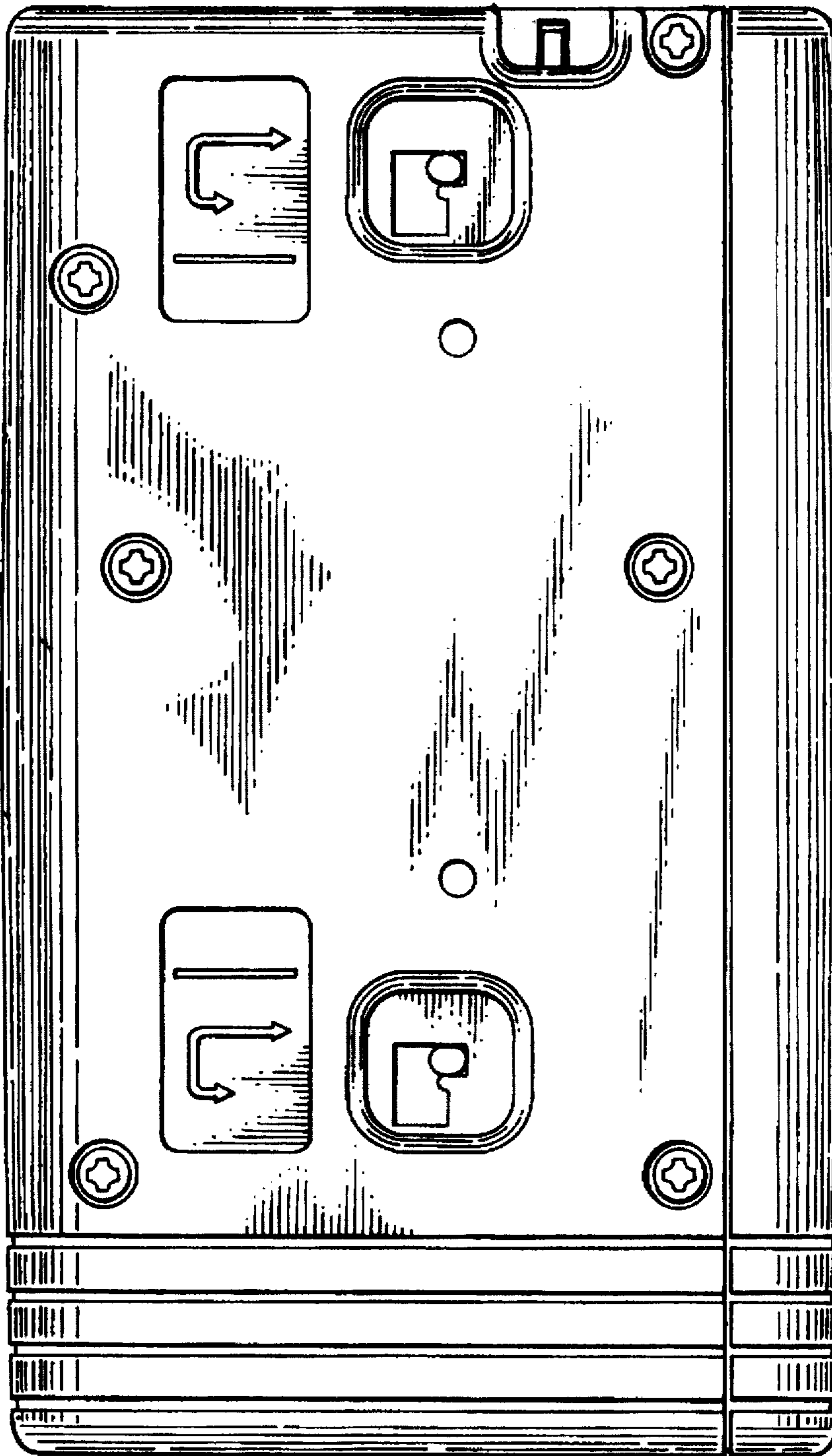


FIG. 4

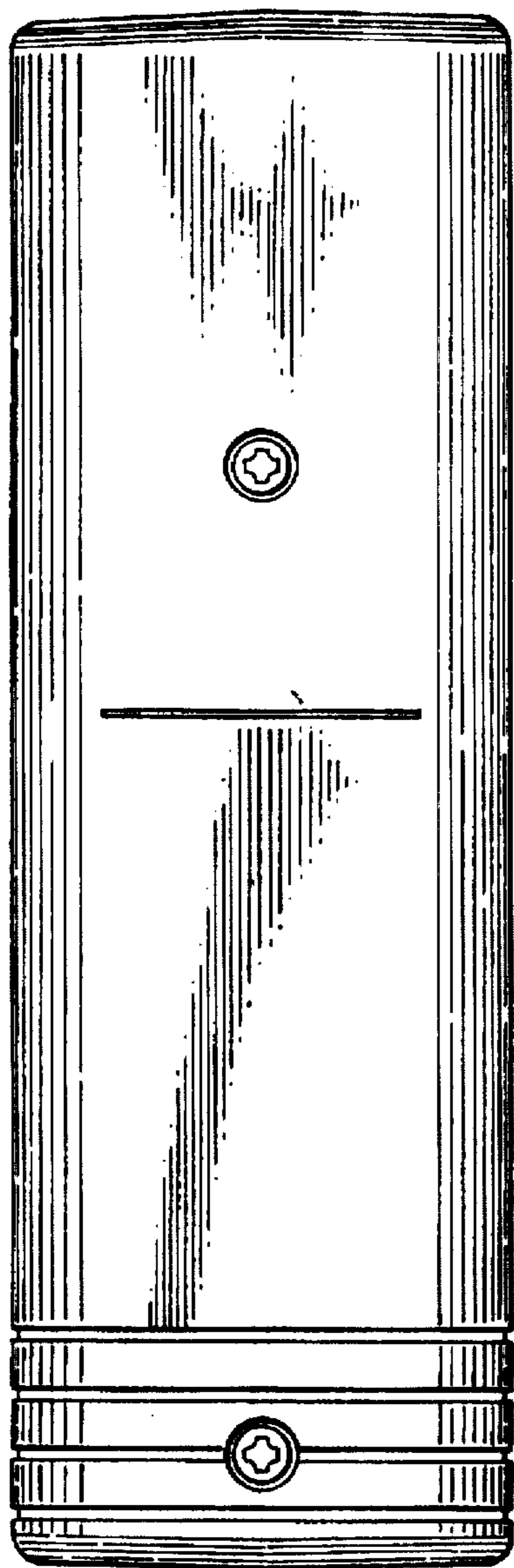
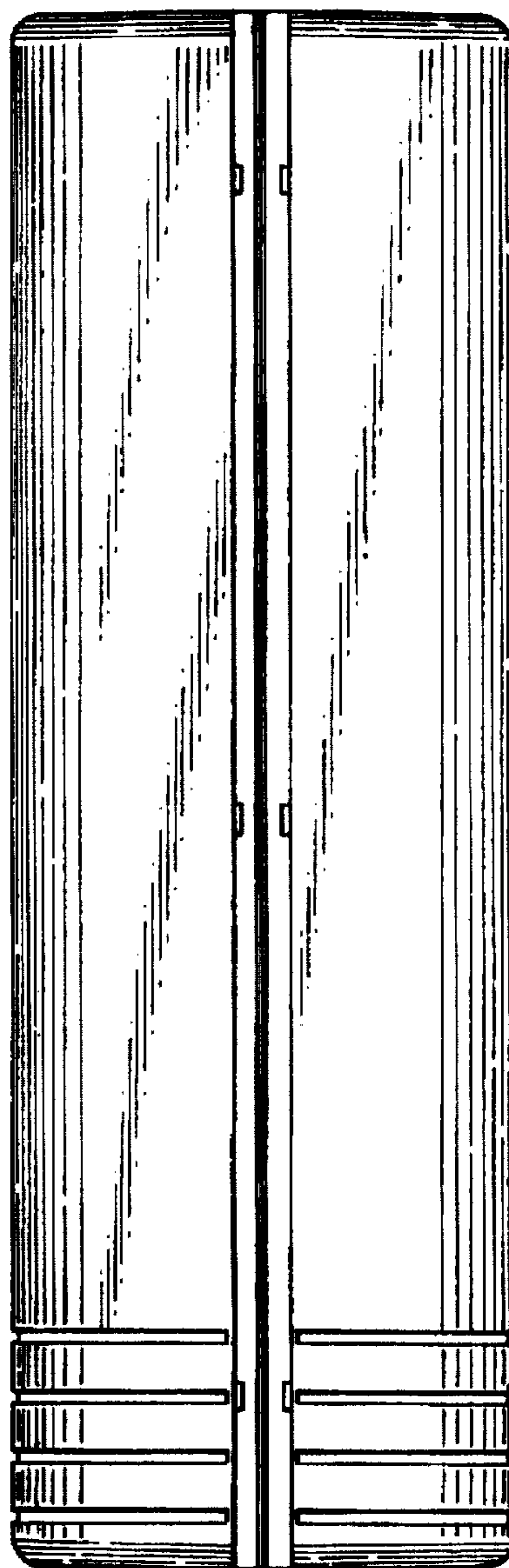
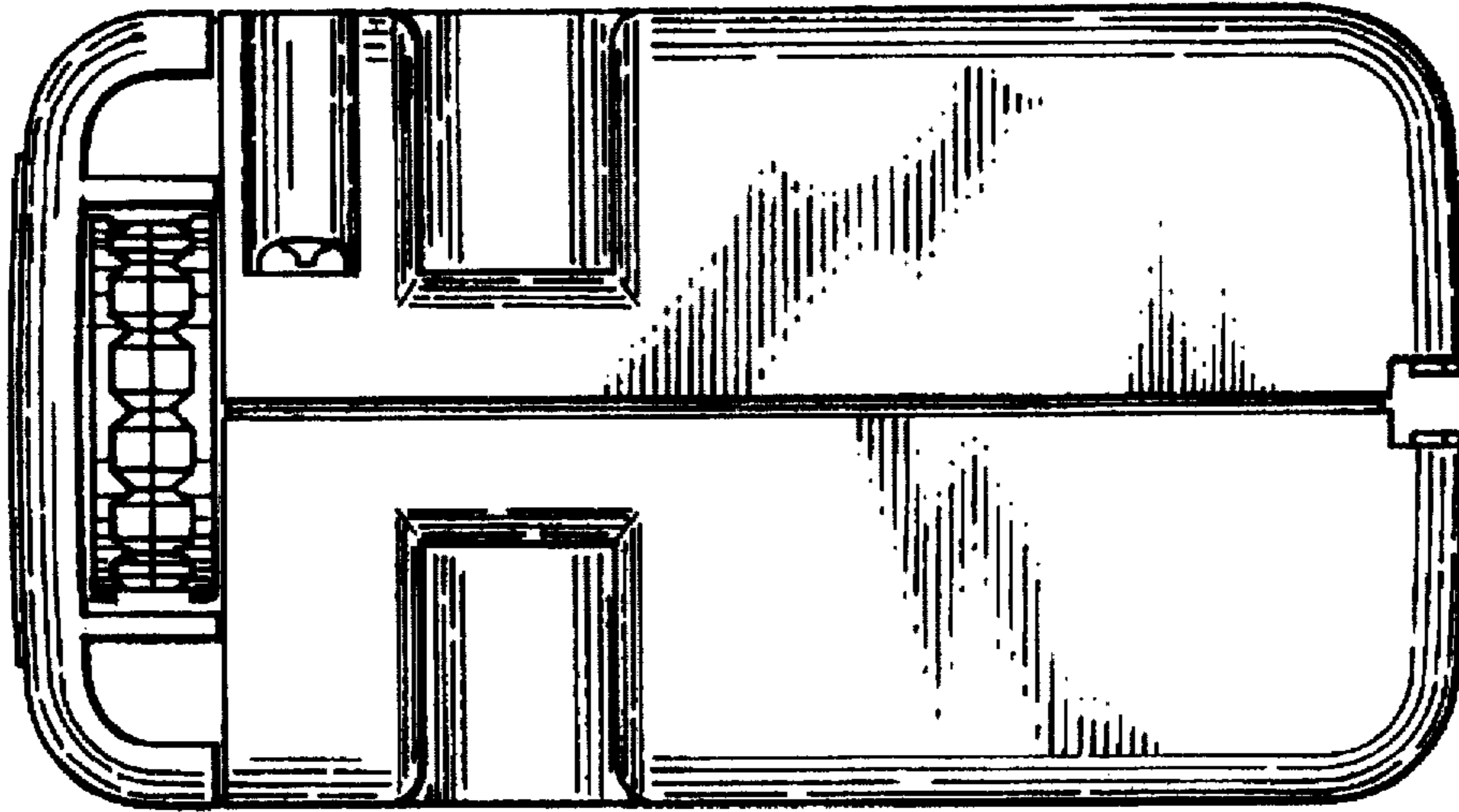


FIG. 5



*FIG. 6*



*FIG. 7*

