



US00D480142S

(12) **United States Design Patent**  
**Chikuma**

(10) **Patent No.:** **US D480,142 S**

(45) **Date of Patent:** **\*\* Sep. 30, 2003**

(54) **FLATNESS DETECTOR OF AN X-RAY APPARATUS FOR MEDICAL TREATMENT**

(75) Inventor: **Naoko Chikuma**, Tokyo (JP)

(73) Assignee: **Kabushiki Kaisha Toshiba**, Tokyo (JP)

(\*\*) Term: **14 Years**

(21) Appl. No.: **29/161,046**

(22) Filed: **May 22, 2002**

(30) **Foreign Application Priority Data**

Nov. 22, 2001 (JP) ..... 2001-034298

(51) **LOC (7) Cl.** ..... **24-01**

(52) **U.S. Cl.** ..... **D24/158**

(58) **Field of Search** ..... D24/158; 378/4,  
378/10, 11, 20, 21, 37

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

6,031,891 A \* 2/2000 Roos et al. .... 378/98.2  
6,334,708 B1 \* 1/2002 Kosugi ..... 378/197

\* cited by examiner

*Primary Examiner*—Stella Reid

(74) *Attorney, Agent, or Firm*—Oblon, Spivak, McClelland, Maier & Neustadt, P.C.

(57) **CLAIM**

The ornamental design for a flatness detector of an x-ray apparatus for medical treatment, as shown and described.

**DESCRIPTION**

FIG. 1 is a front, top and right side perspective view of a flatness detector of an x-ray apparatus for medical treatment, showing my new design;

FIG. 2 is a perspective view thereof, in use condition; the broken line showing being for illustrative purposes only and forming no part of the claimed design;

FIG. 3 is front elevational view thereof;

FIG. 4 is a right side elevational view thereof;

FIG. 5 is a top plan view thereof;

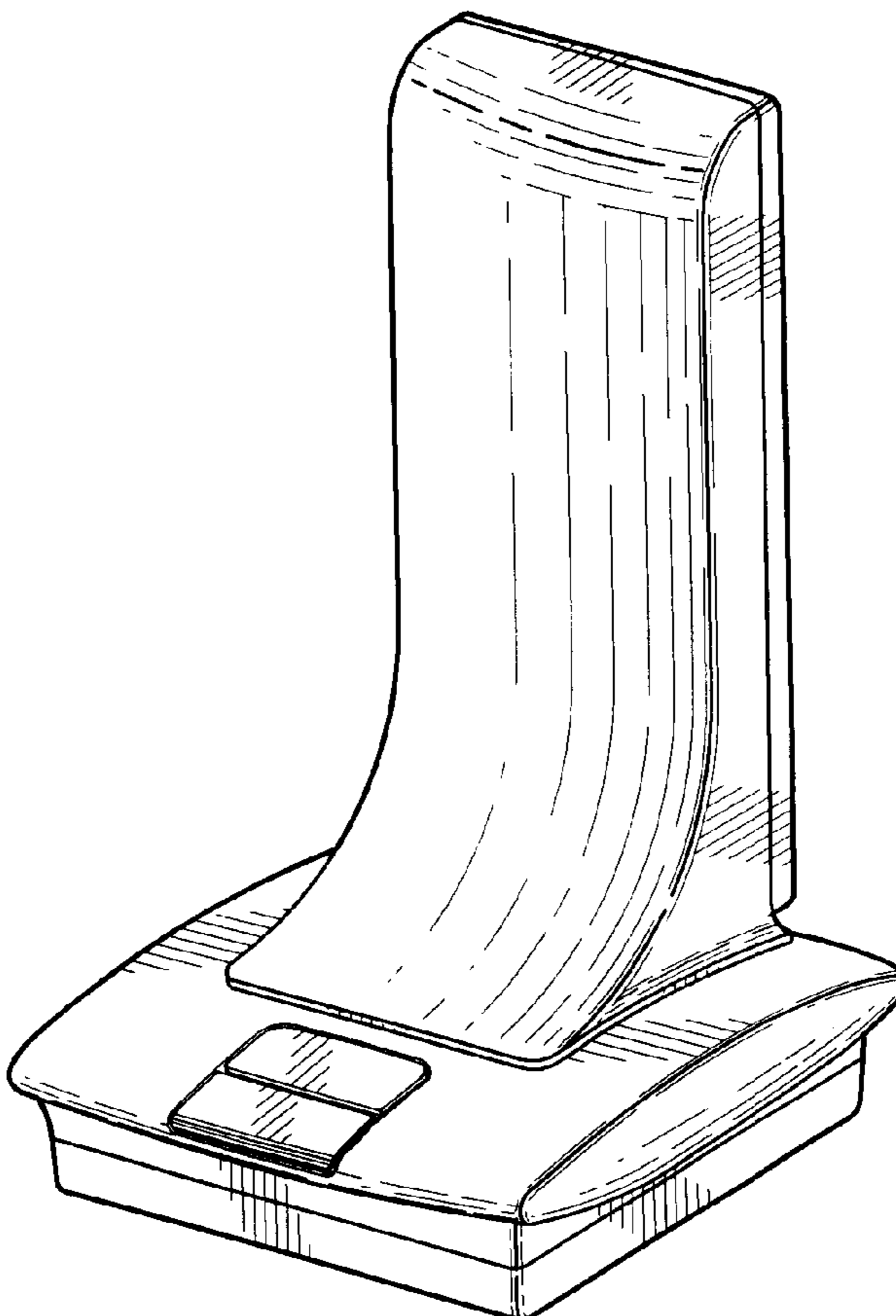
FIG. 6 is a bottom plan view thereof;

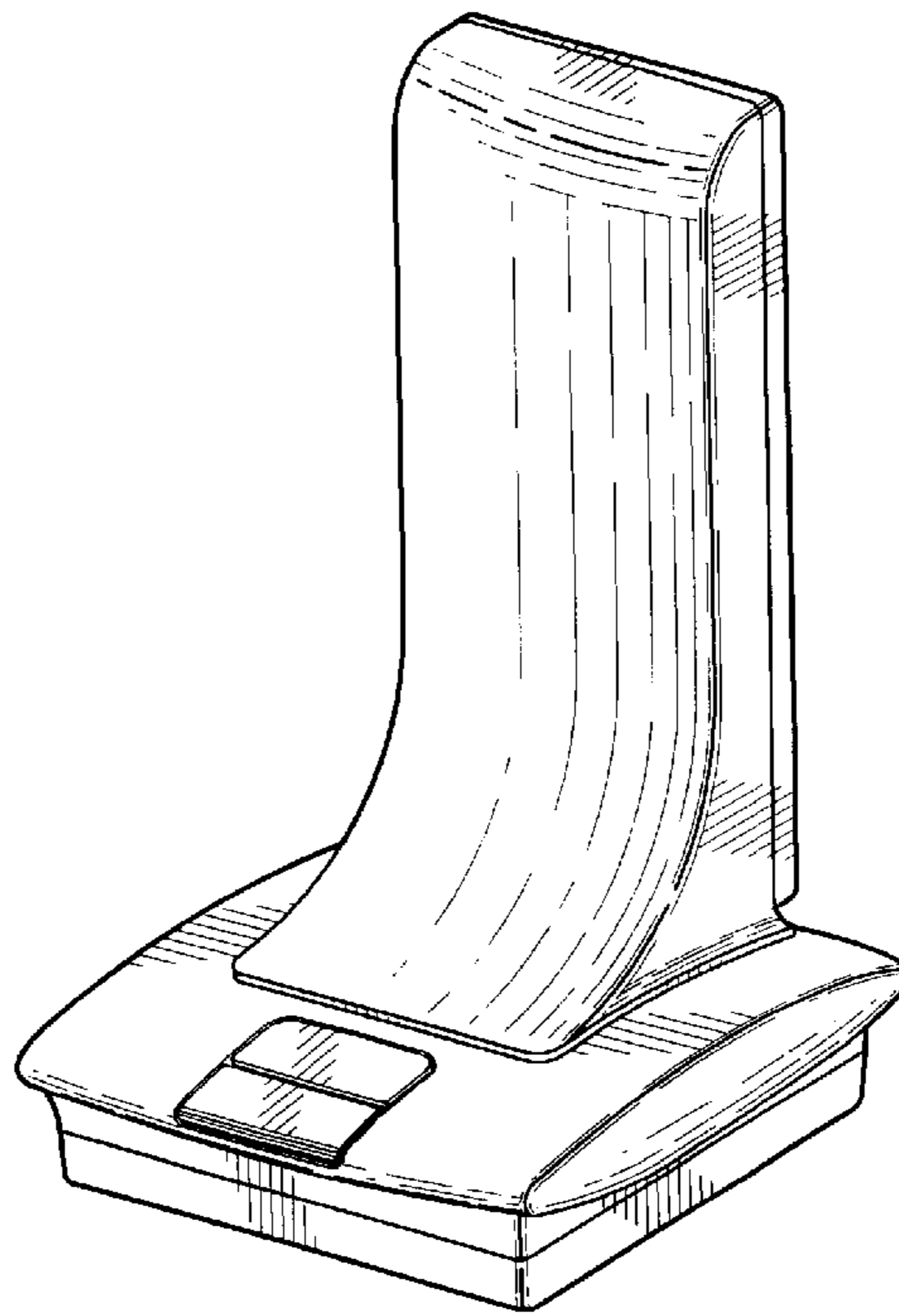
FIG. 7 is a left side elevational view thereof; and,

FIG. 8 is a rear elevational view thereof.

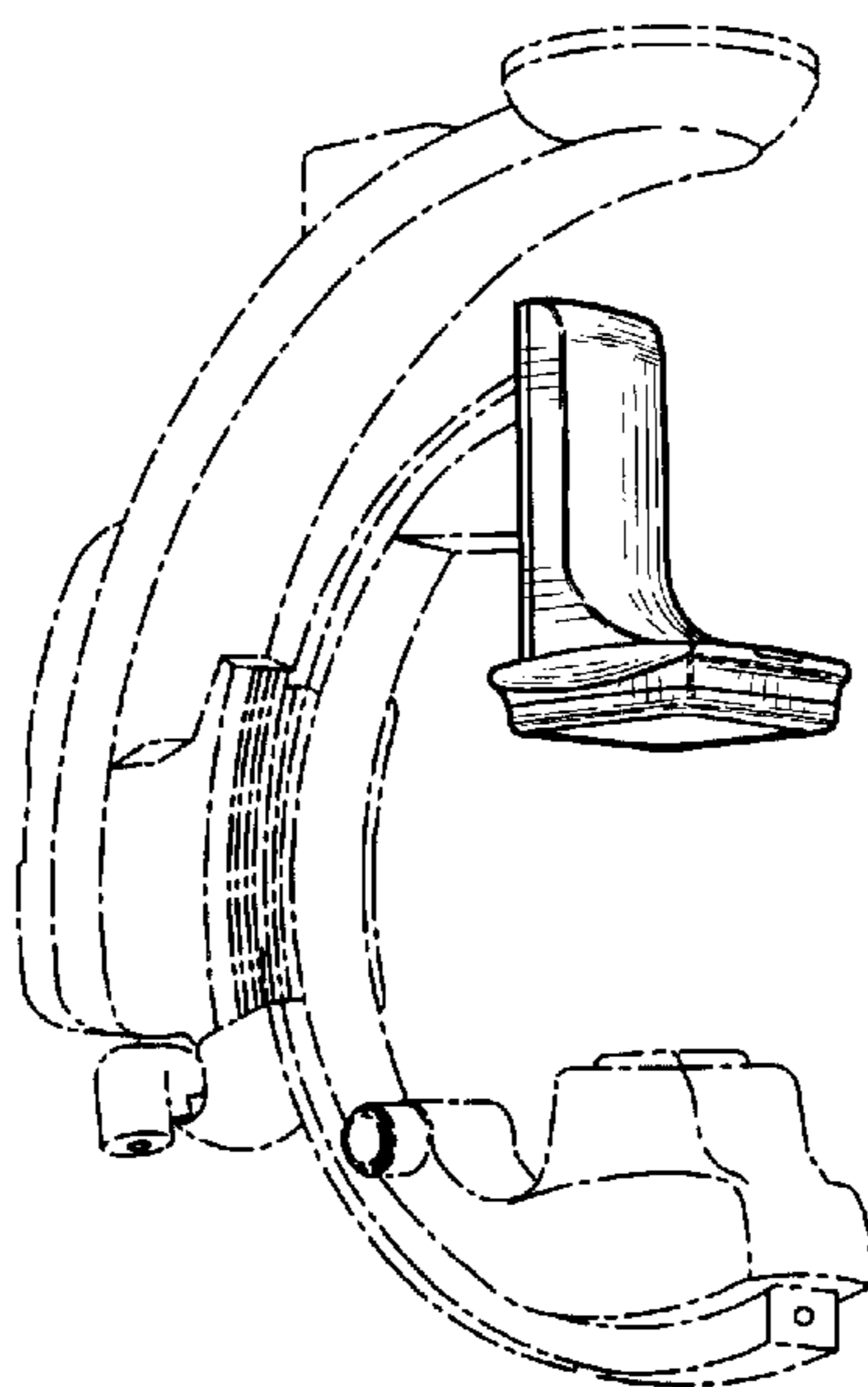
The broken line showing in FIG. 2 is shown for illustrative purposes only and forms no part of the claimed design.

**1 Claim, 4 Drawing Sheets**

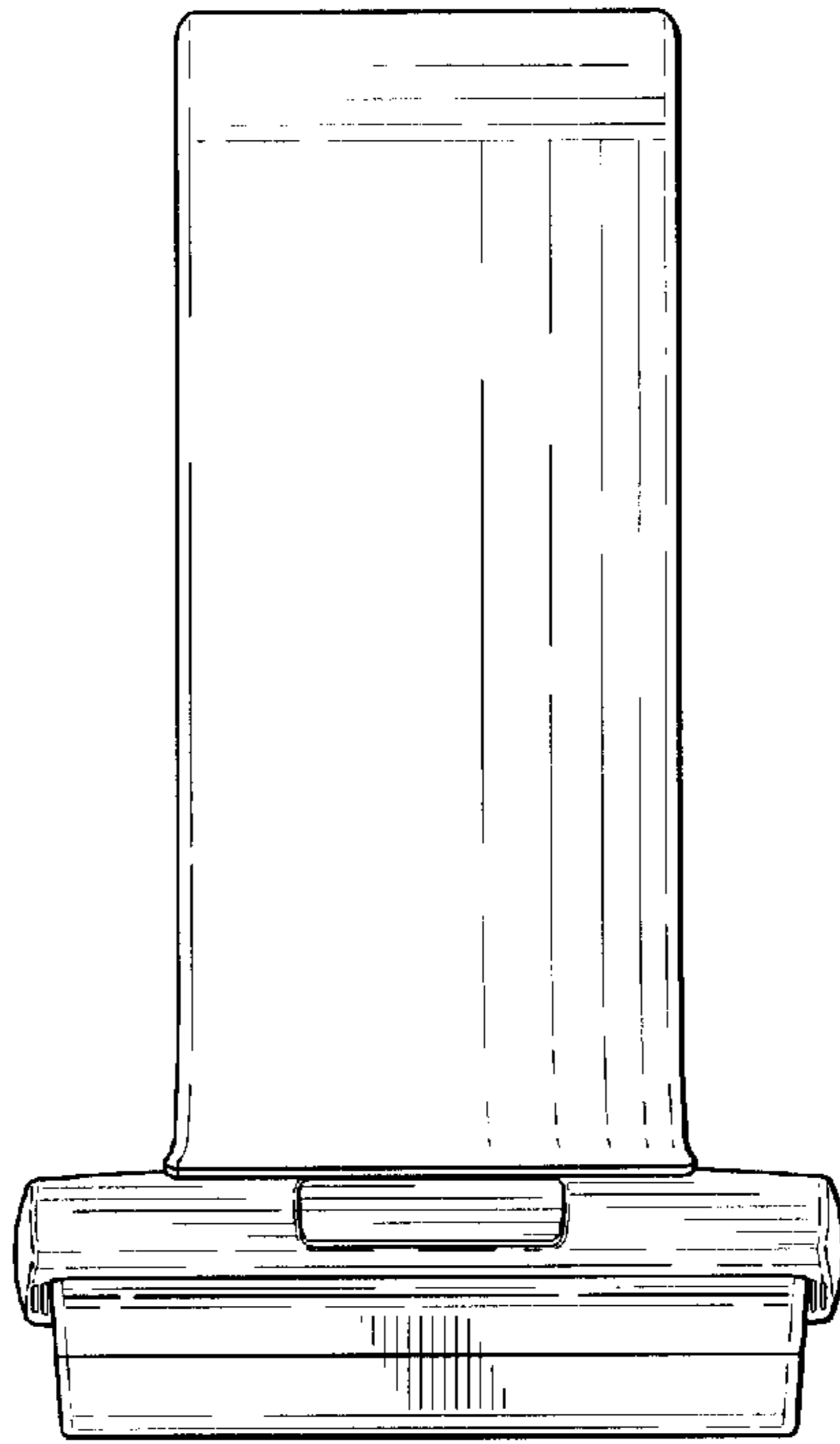




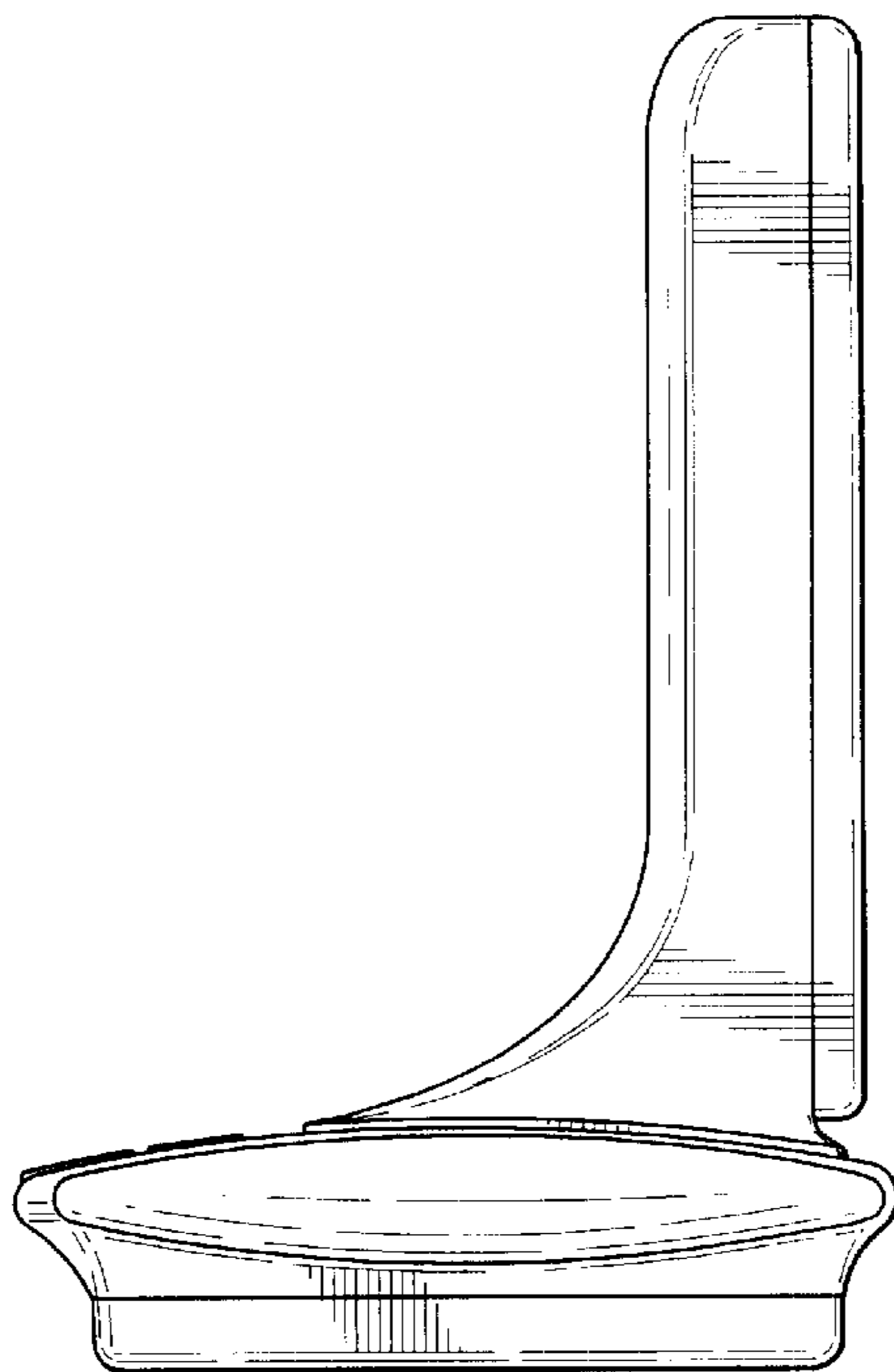
*FIG. 1*



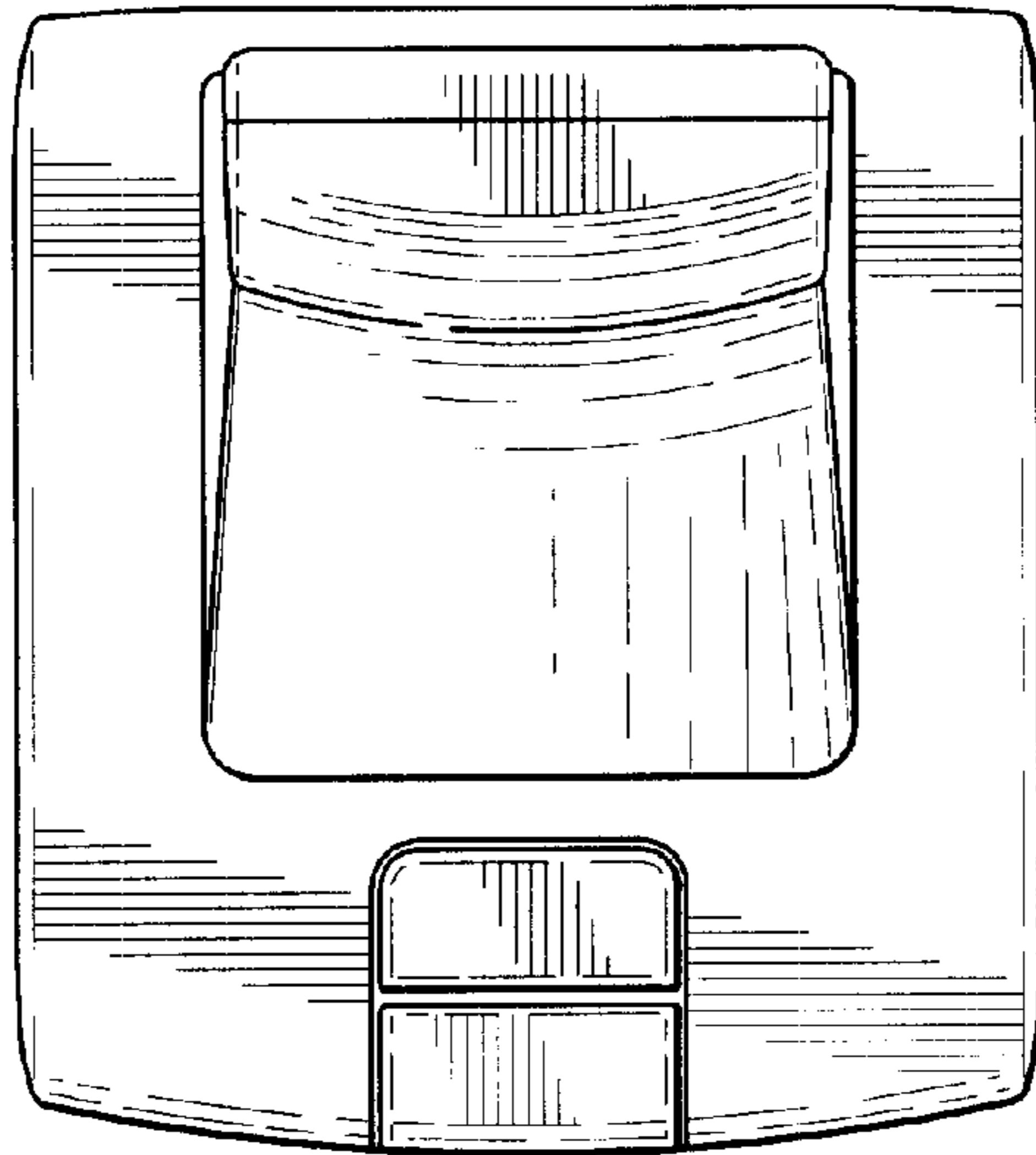
*FIG. 2*



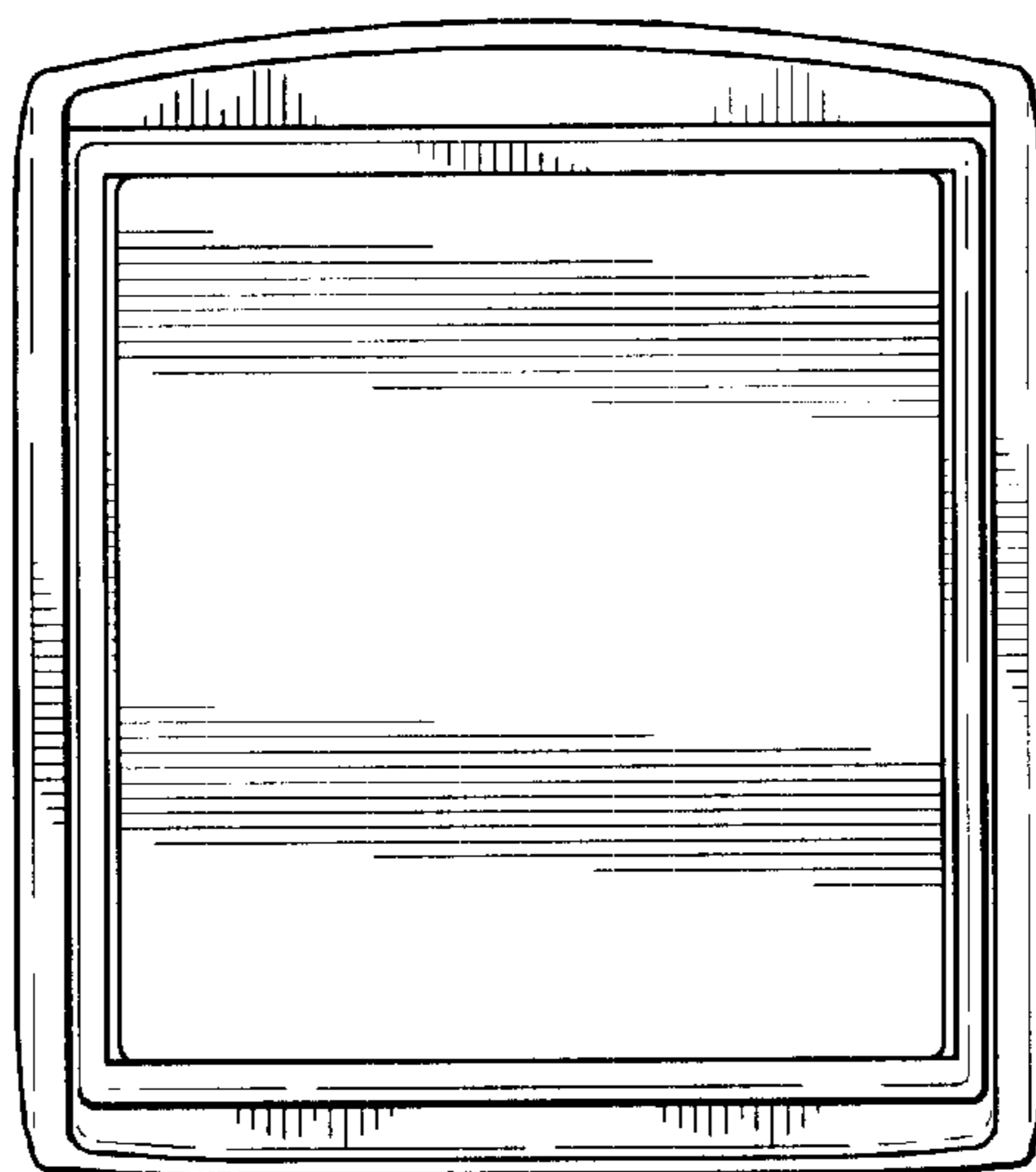
*FIG. 3*



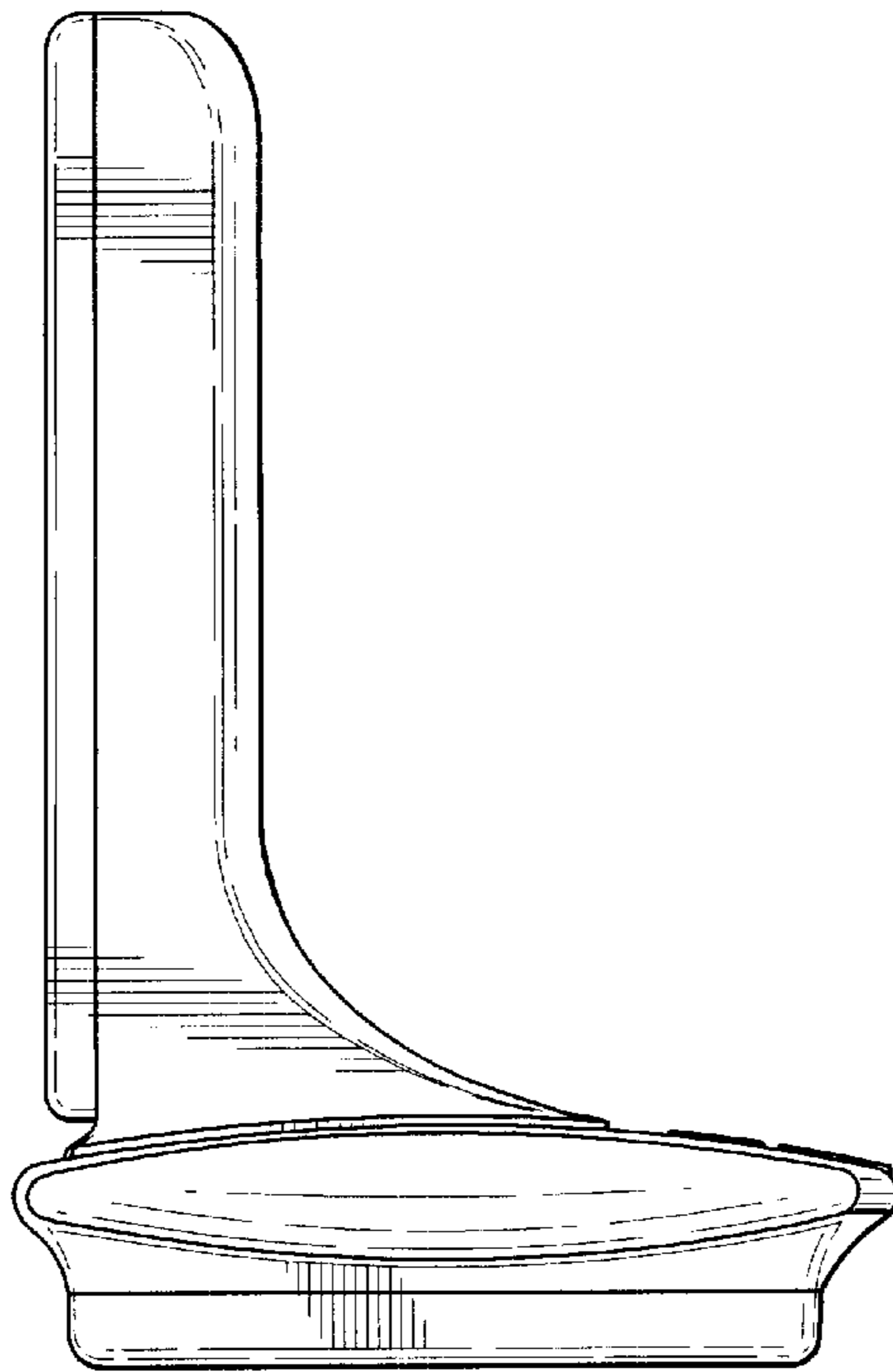
*FIG. 4*



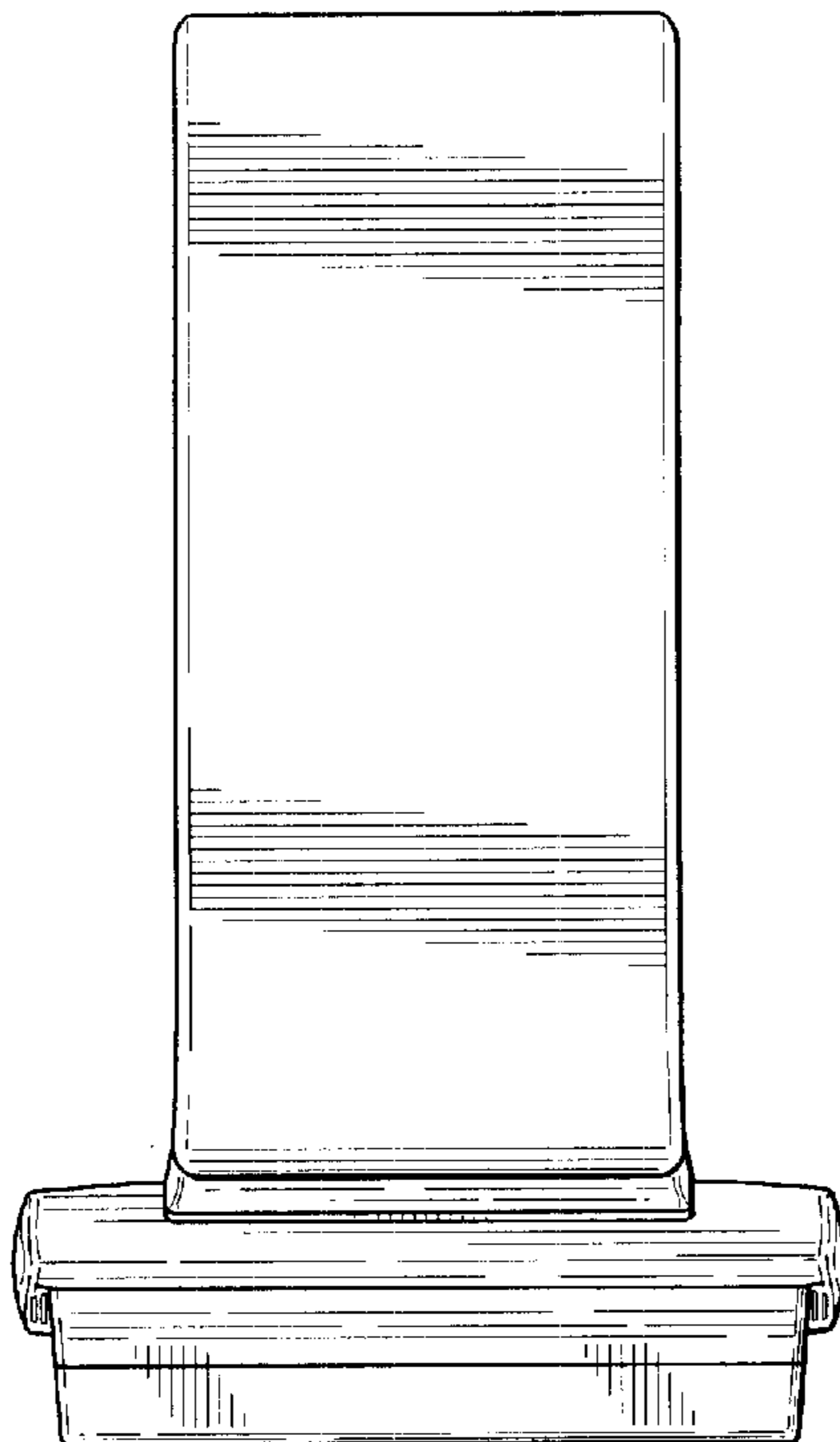
*FIG. 5*



*FIG. 6*



*FIG. 7*



*FIG. 8*