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(12) **United States Design Patent**
Imada et al.

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(45) **Date of Patent:** **** Mar. 4, 2014**

(54) **FORCE GAUGE**

8,215,187 B2 * 7/2012 Chen 73/862.21

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(57) **CLAIM**

The ornamental design for a force gauge, as shown and described.

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

DESCRIPTION

(21) Appl. No.: **29/445,895**

FIG. 1 is a front view of the force gauge, showing the new design;

(22) Filed: **Feb. 19, 2013**

FIG. 2 is a rear view thereof;

(30) **Foreign Application Priority Data**

Nov. 20, 2012 (JP) 2012-028328

FIG. 3 is right-side view thereof;

(51) **LOC (10) CL.** **10-04**

FIG. 4 is a left-side view thereof;

(52) **U.S. CL.**

USPC **D10/83**

FIG. 5 is a top view thereof;

(58) **Field of Classification Search**

USPC D10/83–85; 73/862–862.382,
73/379.01–379.09; 600/587

FIG. 6 is a bottom view thereof; and,

See application file for complete search history.

FIG. 7 is a front, left side, and bottom perspective view thereof.

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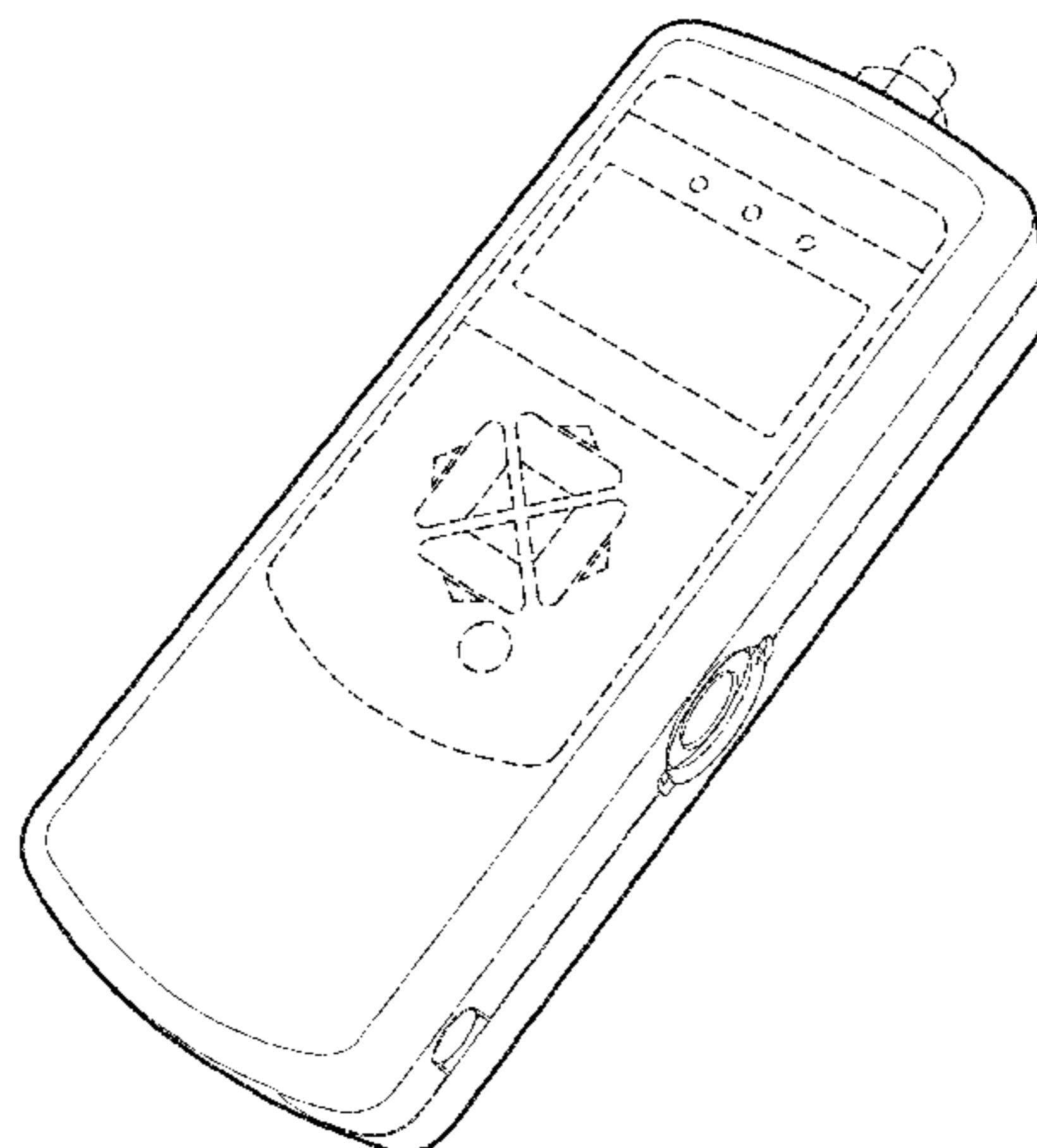
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A central portion of FIG. 3, including concentric circle elements and elements immediately surrounding the concentric circle elements, is a mirror image of the corresponding portion shown in FIGS. 4 and 7, including with respect to the depths and contours of the illustrated elements.

The illustrated force gauge is a digital device that has a tip screw axis for attachment to another device. The digital device measures tension and compression. It can be used by hand, and it can be used as an uncomplicated testing machine in combination with a test stand. A measured value is stored in the digital device and/or in an external device, such as a USB flash memory device. The digital device may be connected to a personal computer, such as by a USB cable, whereby high speed transmission of the measured value can be carried out in real time.

The broken line showing of portions of the force gauge throughout the drawings is for the purpose of illustrating environmental structure and forms no part of the claimed design.

1 Claim, 4 Drawing Sheets



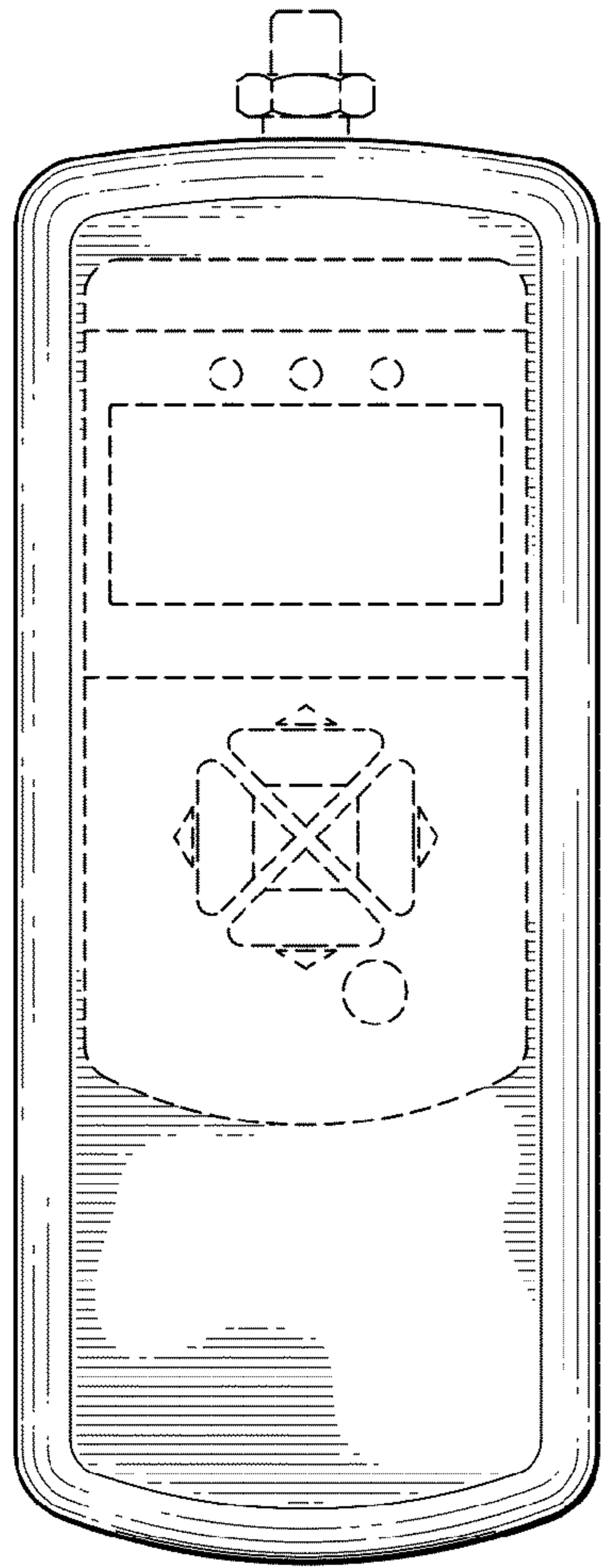


FIG. 1

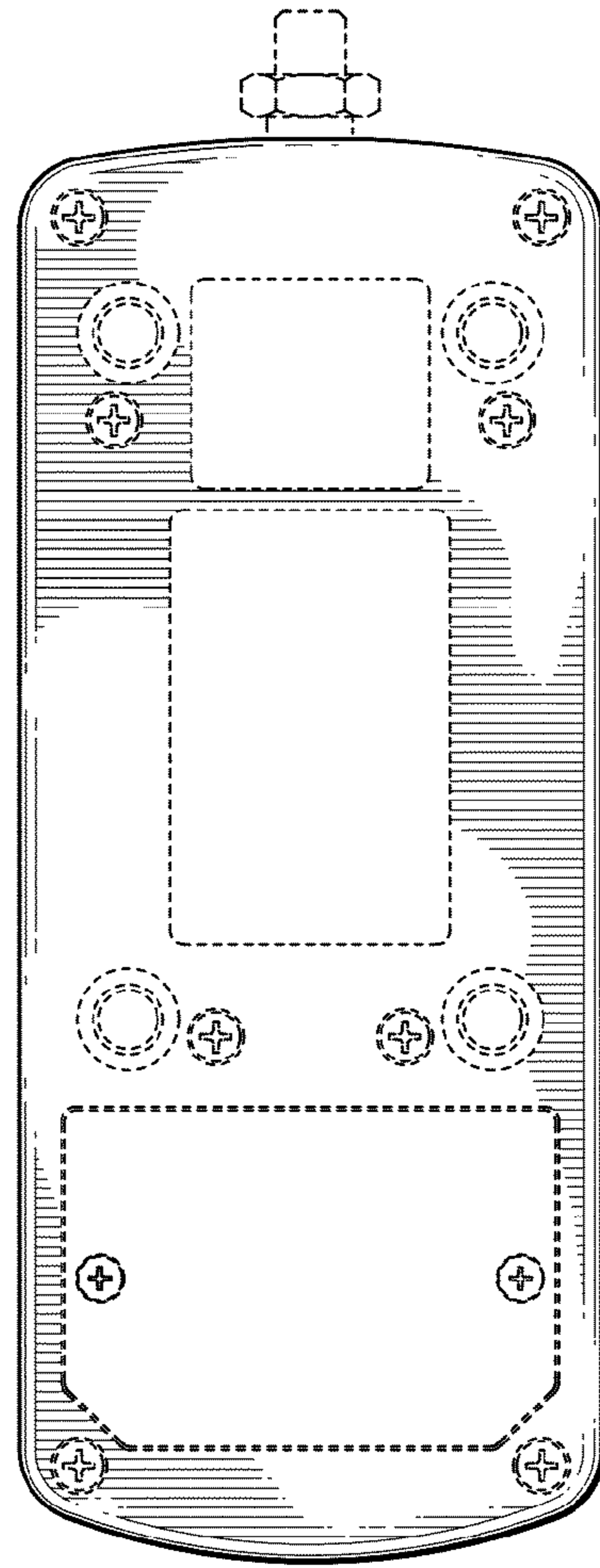


FIG. 2

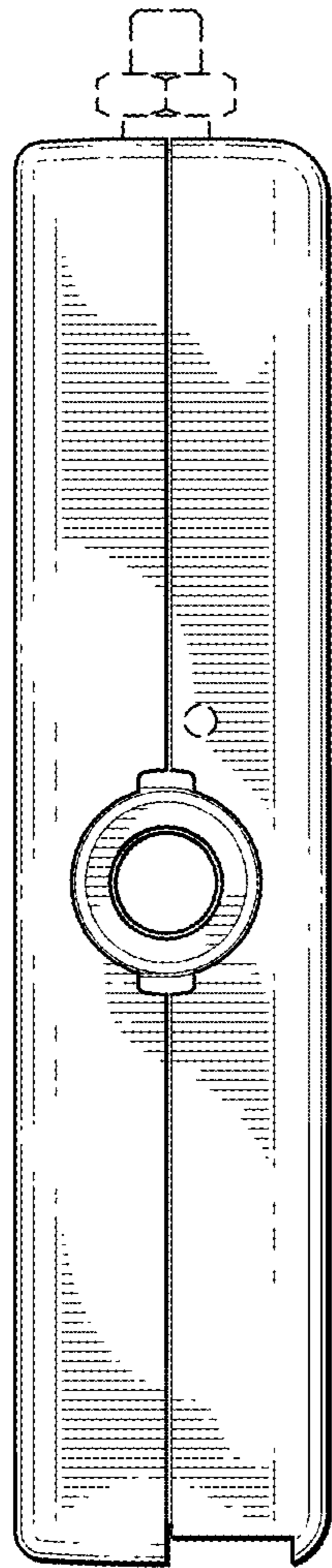


FIG. 3

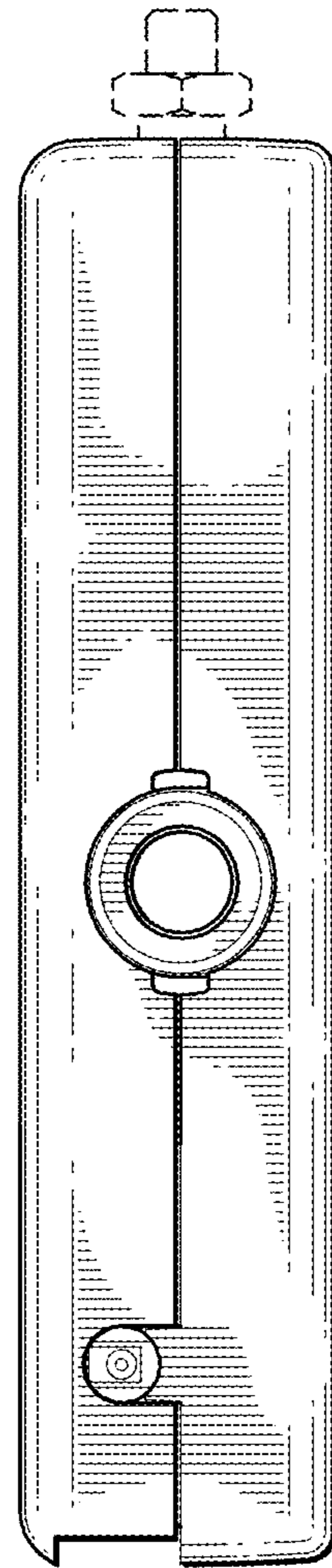


FIG. 4

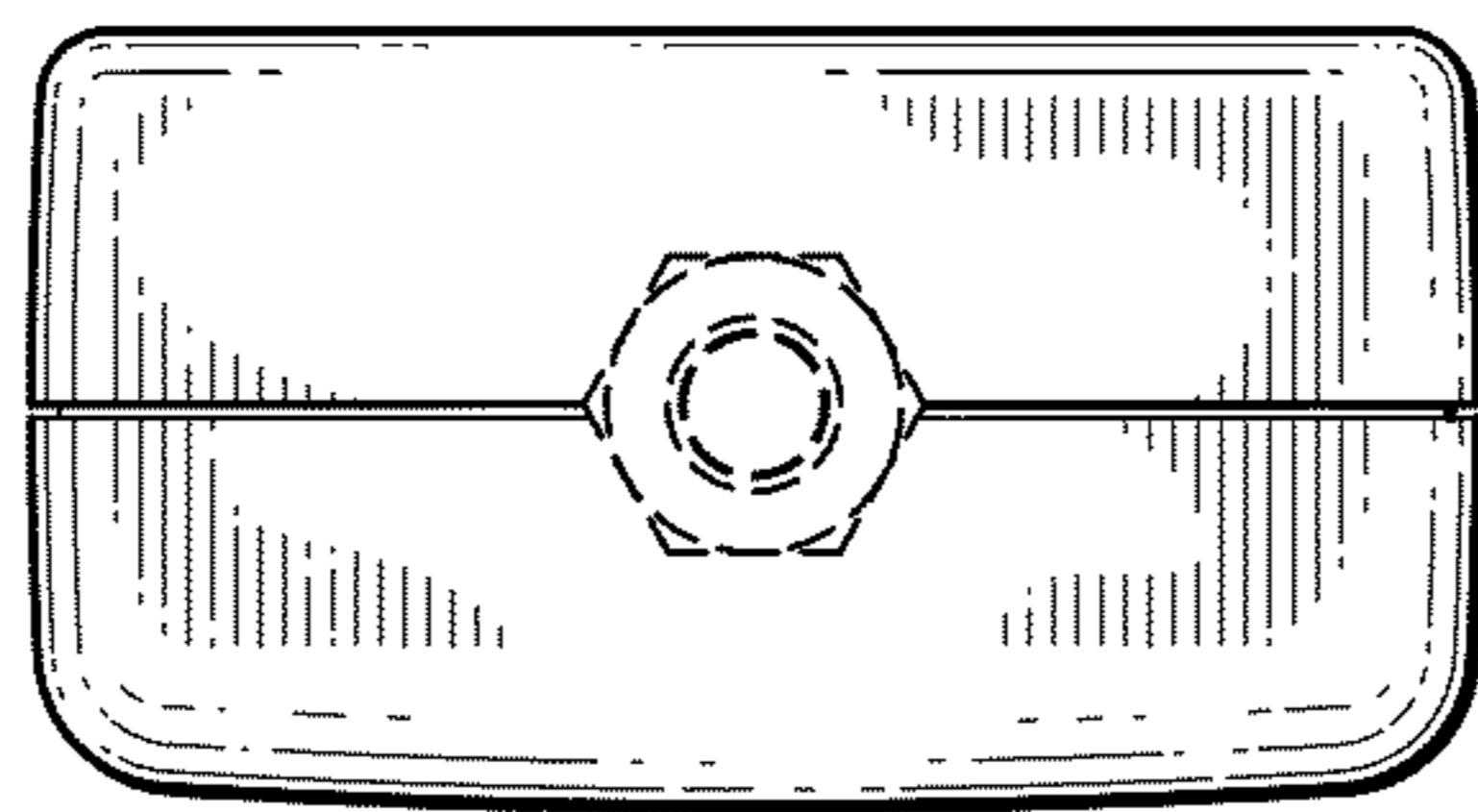


FIG. 5

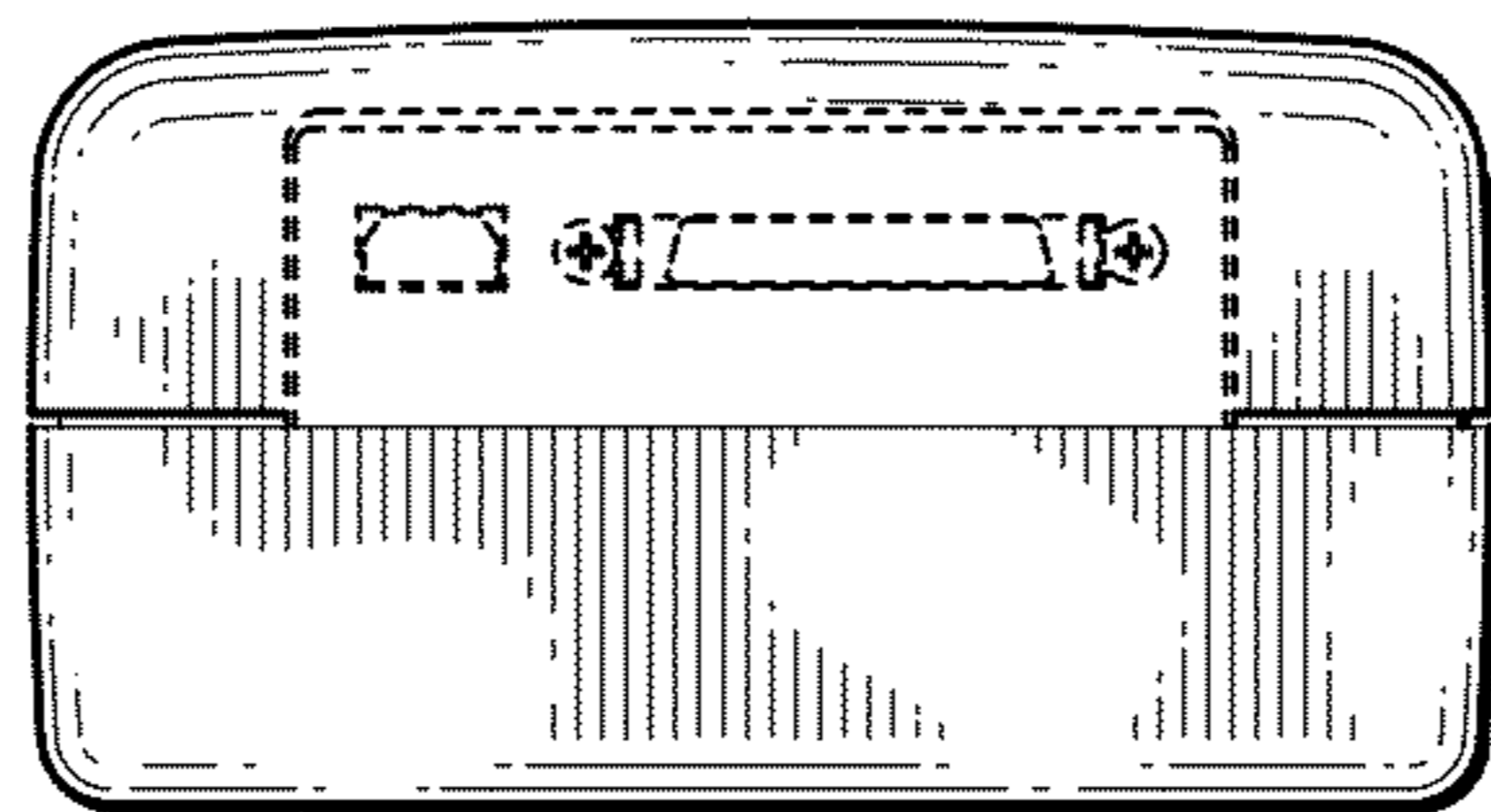


FIG. 6

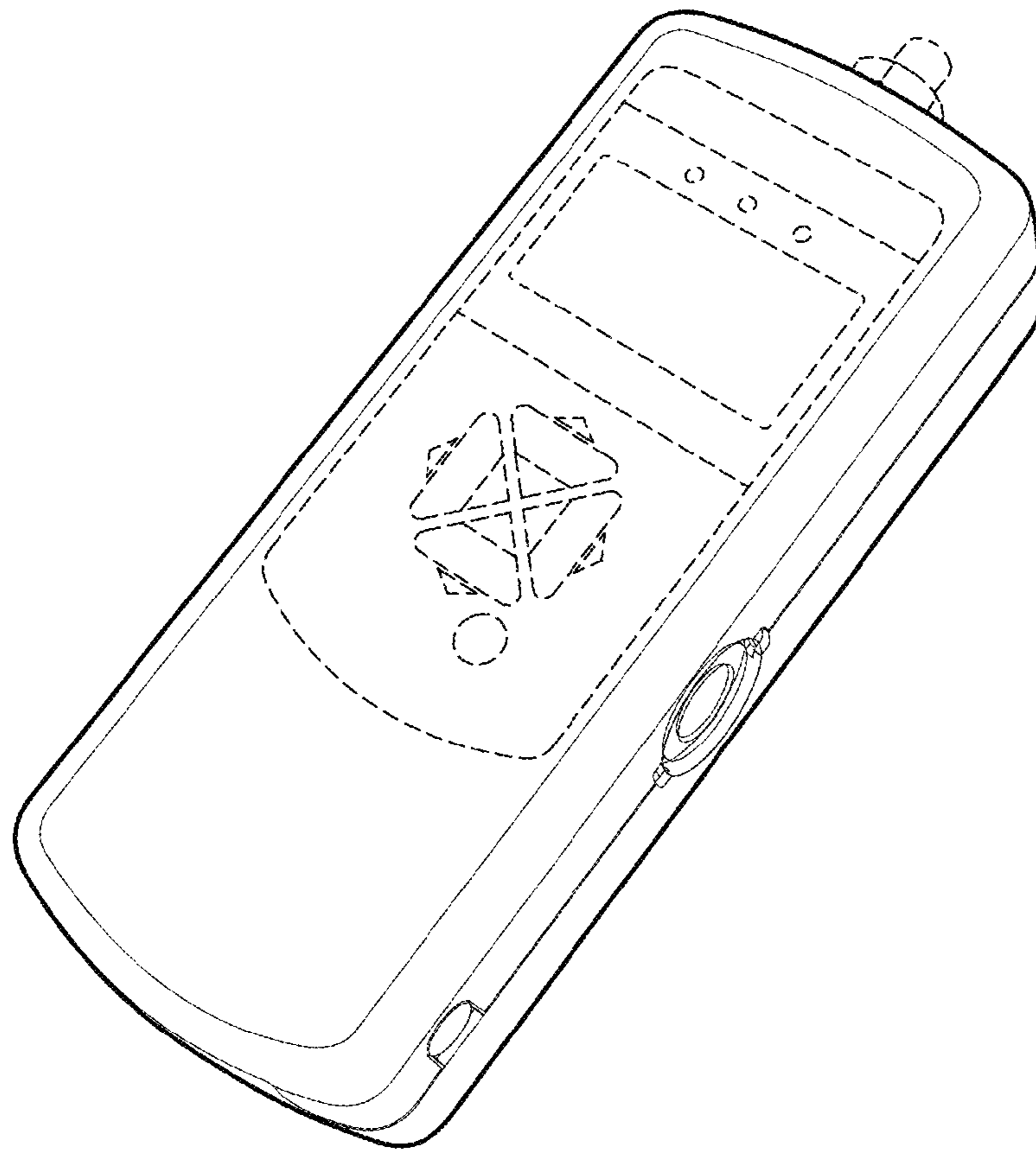


FIG. 7