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

(10) **Patent No.:** **US D731,673 S**
(45) **Date of Patent:** **** Jun. 9, 2015**

(54) **MULTI-BLOCK PCR THERMAL CYCLER DEVICE**

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(71) Applicant: **LIFE TECHNOLOGIES CORPORATION**, Carlsbad, CA (US)

(57) **CLAIM**
The ornamental design for multi-block PCR thermal cycler device, as shown and described.

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DESCRIPTION

(73) Assignee: **Life Technologies Corporation**, Carlsbad, CA (US)

FIG. 1 is a front, top and side perspective view of a multi-block PCR thermal cycler device, according to a first exemplary embodiment;
FIG. 2 is a front view of the multi-block PCR thermal cycler device of FIG. 1;
FIG. 3 is a back view of the multi-block PCR thermal cycler device of FIG. 1;
FIG. 4 is a right side view of the multi-block PCR thermal cycler device of FIG. 1;
FIG. 5 is a left side view of the multi-block PCR thermal cycler device of FIG. 1;
FIG. 6 is a top view of the multi-block PCR thermal cycler device of FIG. 1;
FIG. 7 is a bottom view of the multi-block PCR thermal cycler device of FIG. 1;
FIG. 8 is a front, top and side perspective view of a multi-block PCR thermal cycler device, according to a second exemplary embodiment;
FIG. 9 is a front view of the multi-block PCR thermal cycler device of FIG. 8;
FIG. 10 is a back view of the multi-block PCR thermal cycler device of FIG. 8;
FIG. 11 is a right side view of the multi-block PCR thermal cycler device of FIG. 8;
FIG. 12 is a left side view of the multi-block PCR thermal cycler device of FIG. 8;
FIG. 13 is a top view of the multi-block PCR thermal cycler device of FIG. 8; and,
FIG. 14 is a bottom view of the multi-block PCR thermal cycler device of FIG. 8.
The broken lines shown in the figures are included for the purpose of illustrating portions of the multi-block PCR thermal cycler device and form no part of the claimed design.

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

(21) Appl. No.: **29/502,919**

(22) Filed: **Sep. 22, 2014**

Related U.S. Application Data

(62) Division of application No. 29/438,754, filed on Dec. 3, 2012, now Pat. No. Des. 717,968.

(51) **LOC (10) Cl.** **24-01**

(52) **U.S. Cl.**
USPC **D24/232**

(58) **Field of Classification Search**
USPC D24/230–233, 216–220, 221, 225–227, D24/229; D10/81; 422/50–53, 62–63, 68.1, 422/500, 565; 435/285.1, 287.1, 288.4, 435/287.2, 288.7, 303.1, 809
See application file for complete search history.

(56) **References Cited**

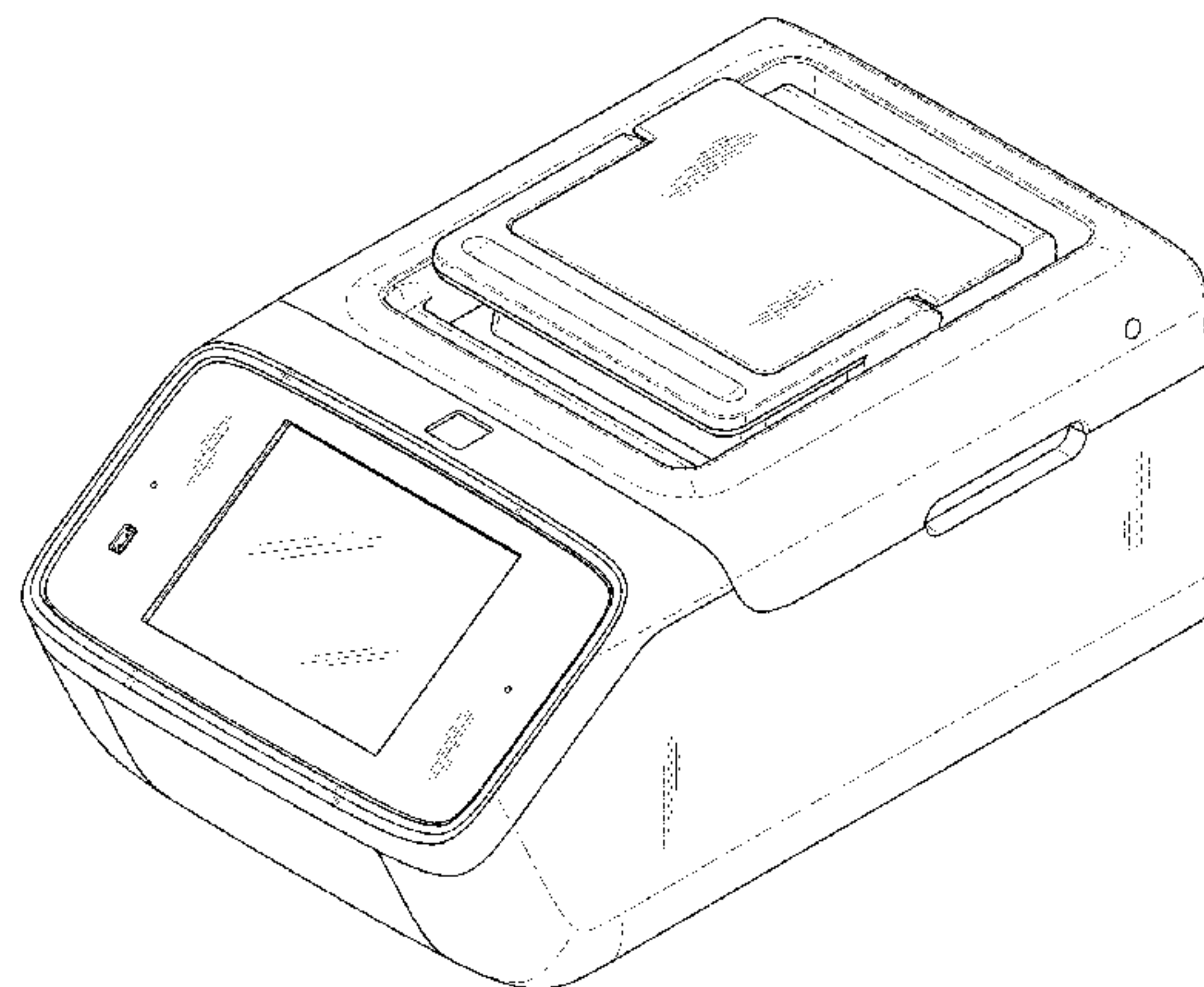
U.S. PATENT DOCUMENTS

D256,726 S 9/1980 Meuli et al.
5,525,300 A * 6/1996 Danssaert et al. 422/63
D467,349 S * 12/2002 Niedbala et al. D24/232
D537,951 S * 3/2007 Okamoto et al. D24/233

(Continued)

Primary Examiner — Wan Laymon

1 Claim, 14 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D556,914 S 12/2007 Okamoto et al.
D571,480 S 6/2008 Beck et al.
D607,569 S 1/2010 Yukikado et al.

D647,209 S 10/2011 Müller et al.
8,046,175 B2 * 10/2011 Kuo et al. 422/63
8,859,271 B2 * 10/2014 Shin et al. 435/287.2
D717,968 S * 11/2014 Klein et al. D24/232

* cited by examiner

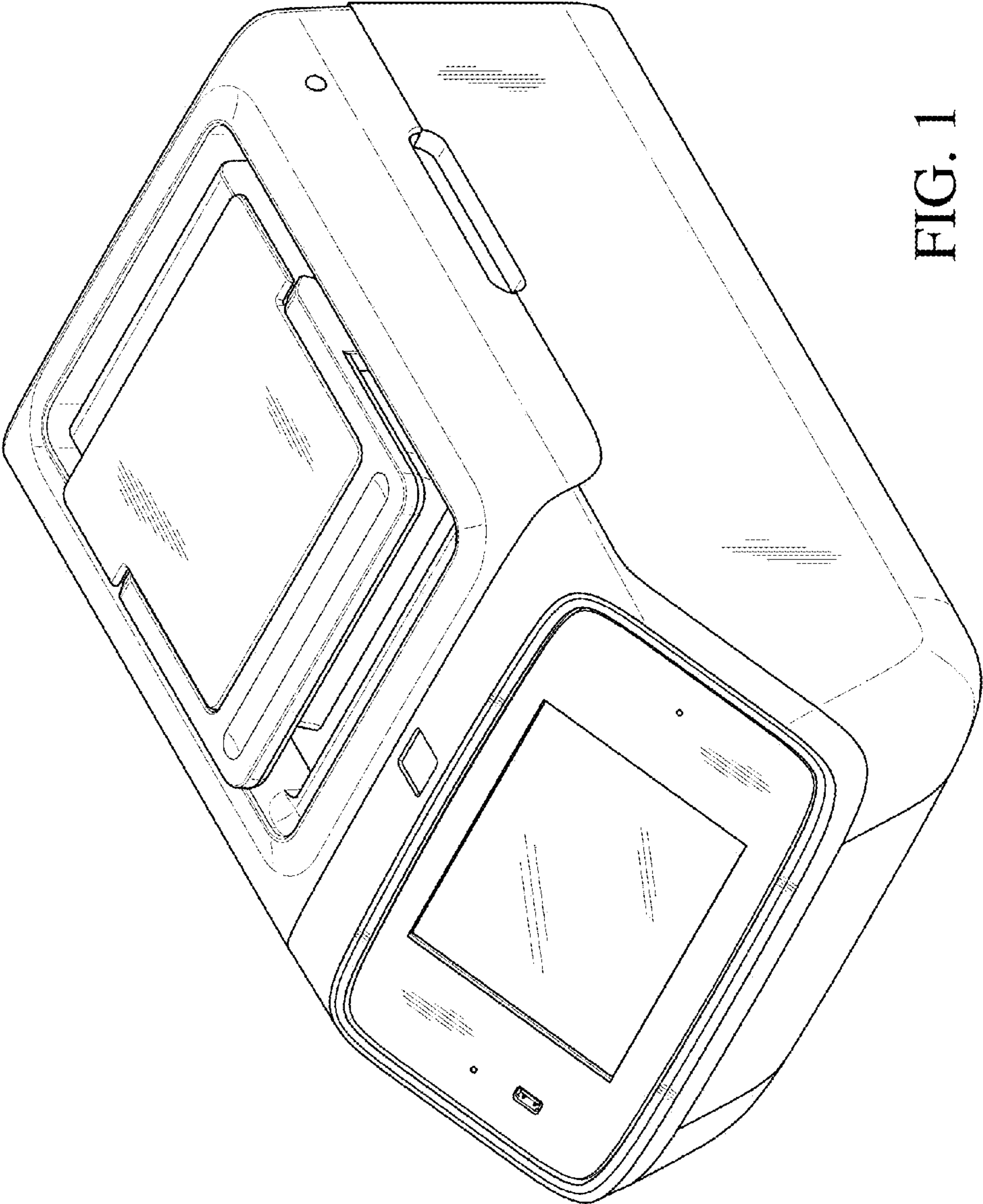


FIG. 1

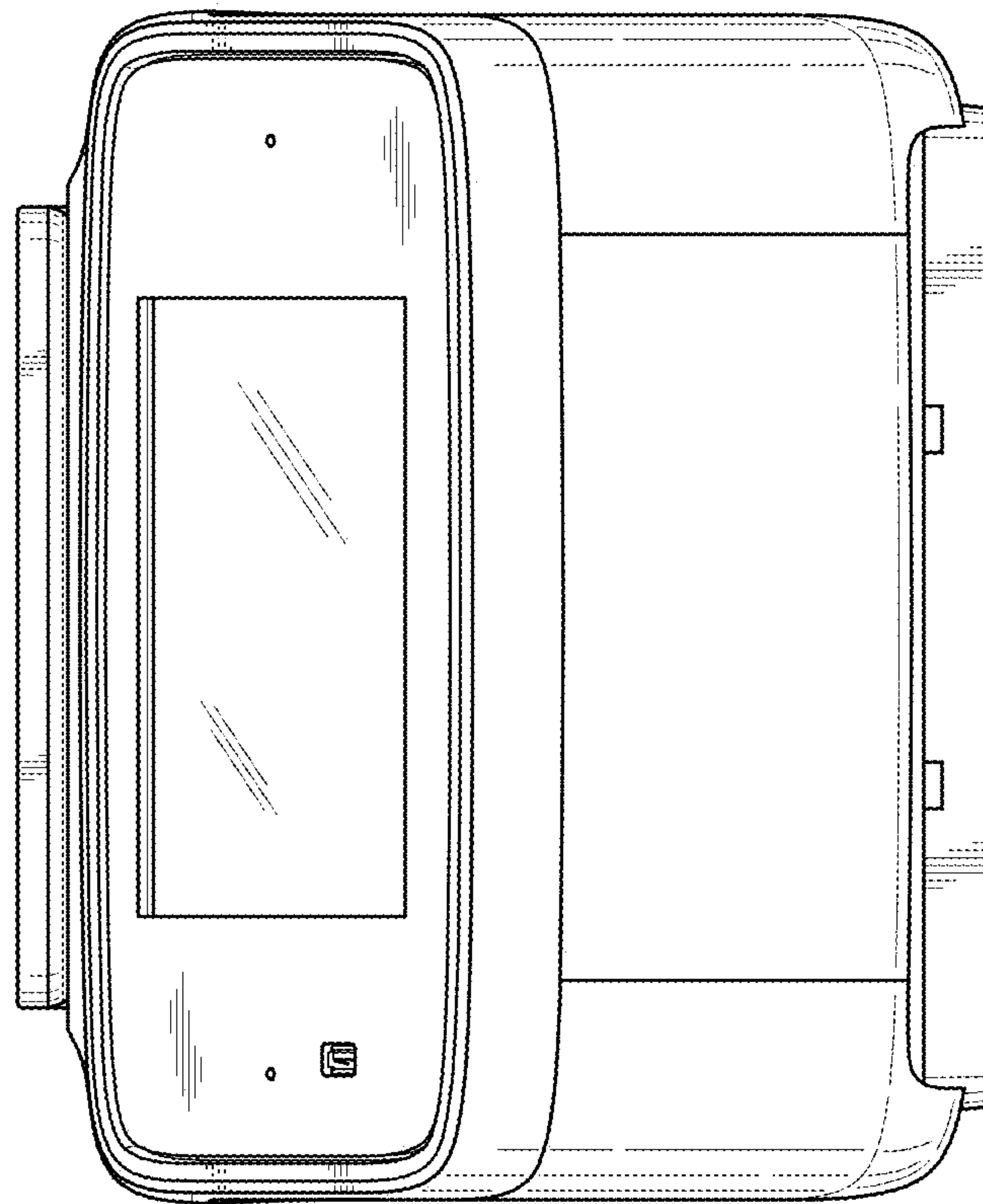


FIG. 2

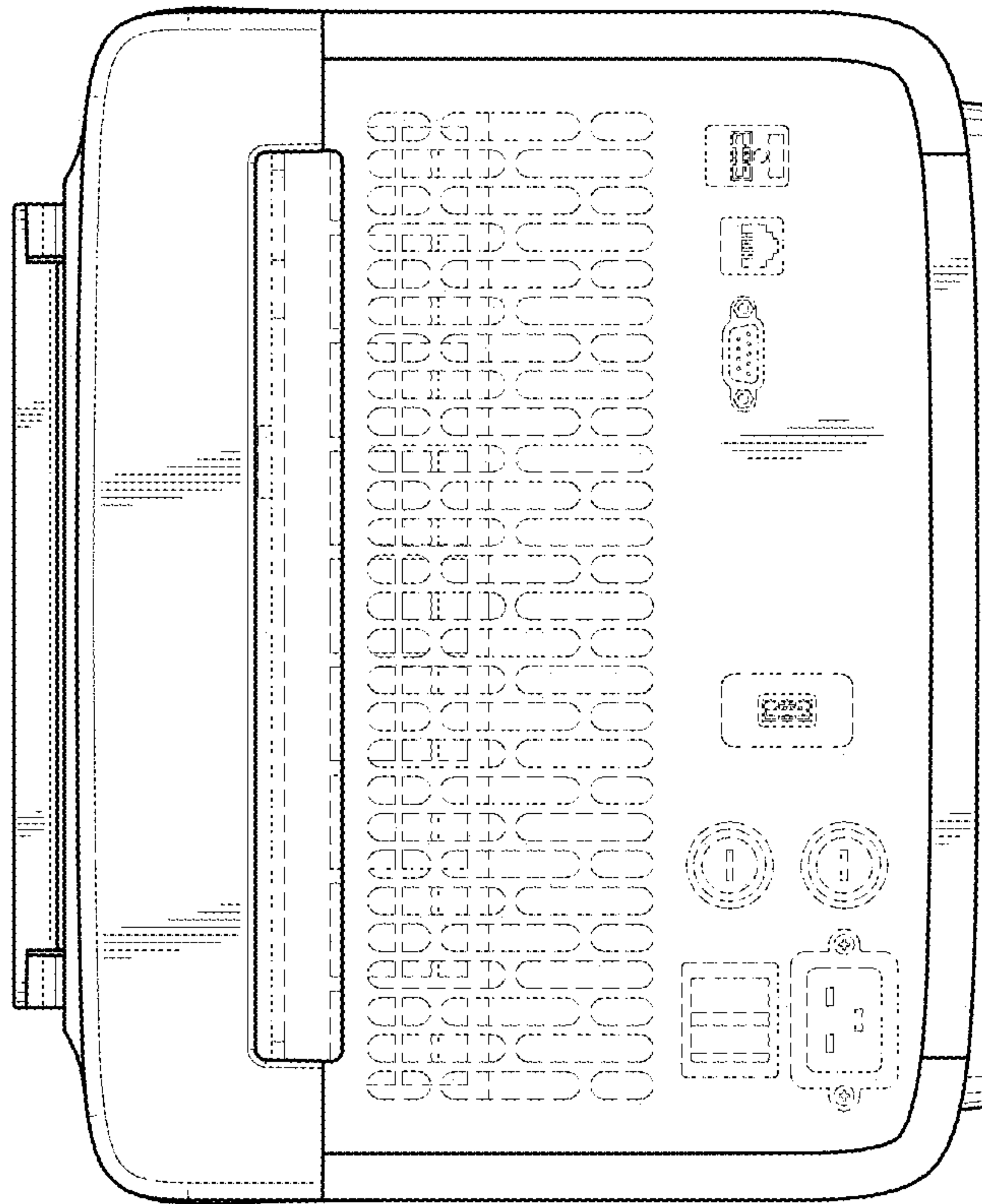


FIG. 3

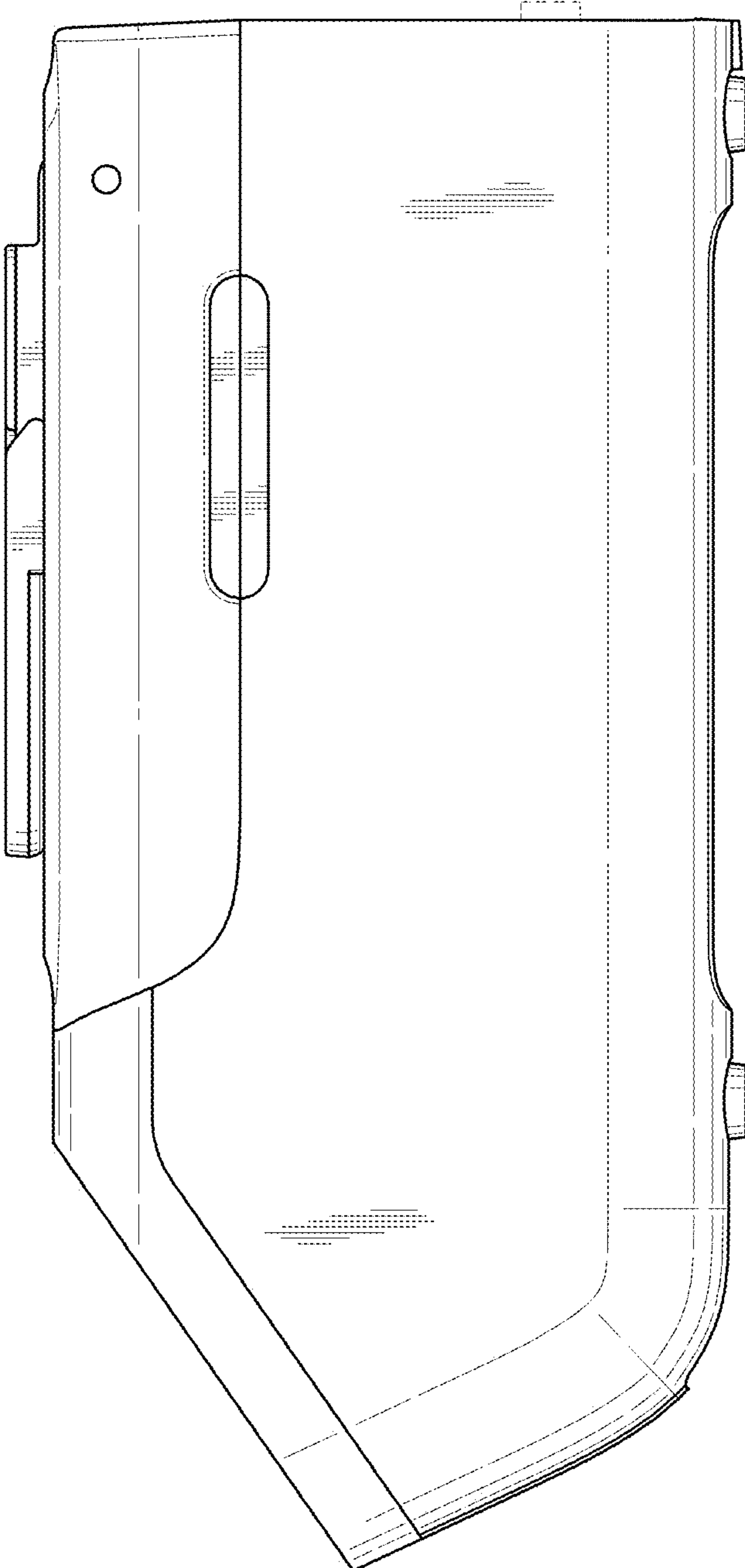


FIG. 4

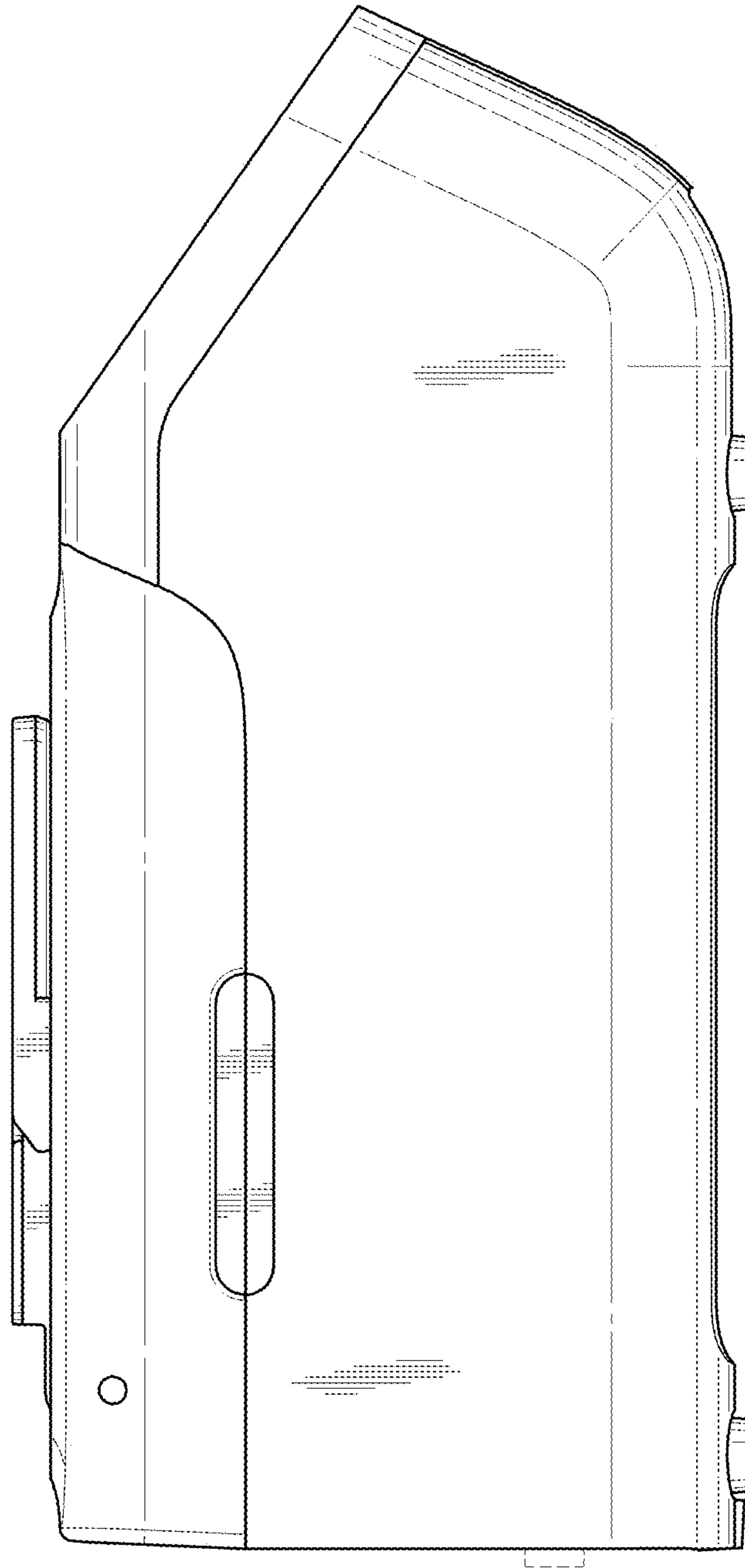


FIG. 5

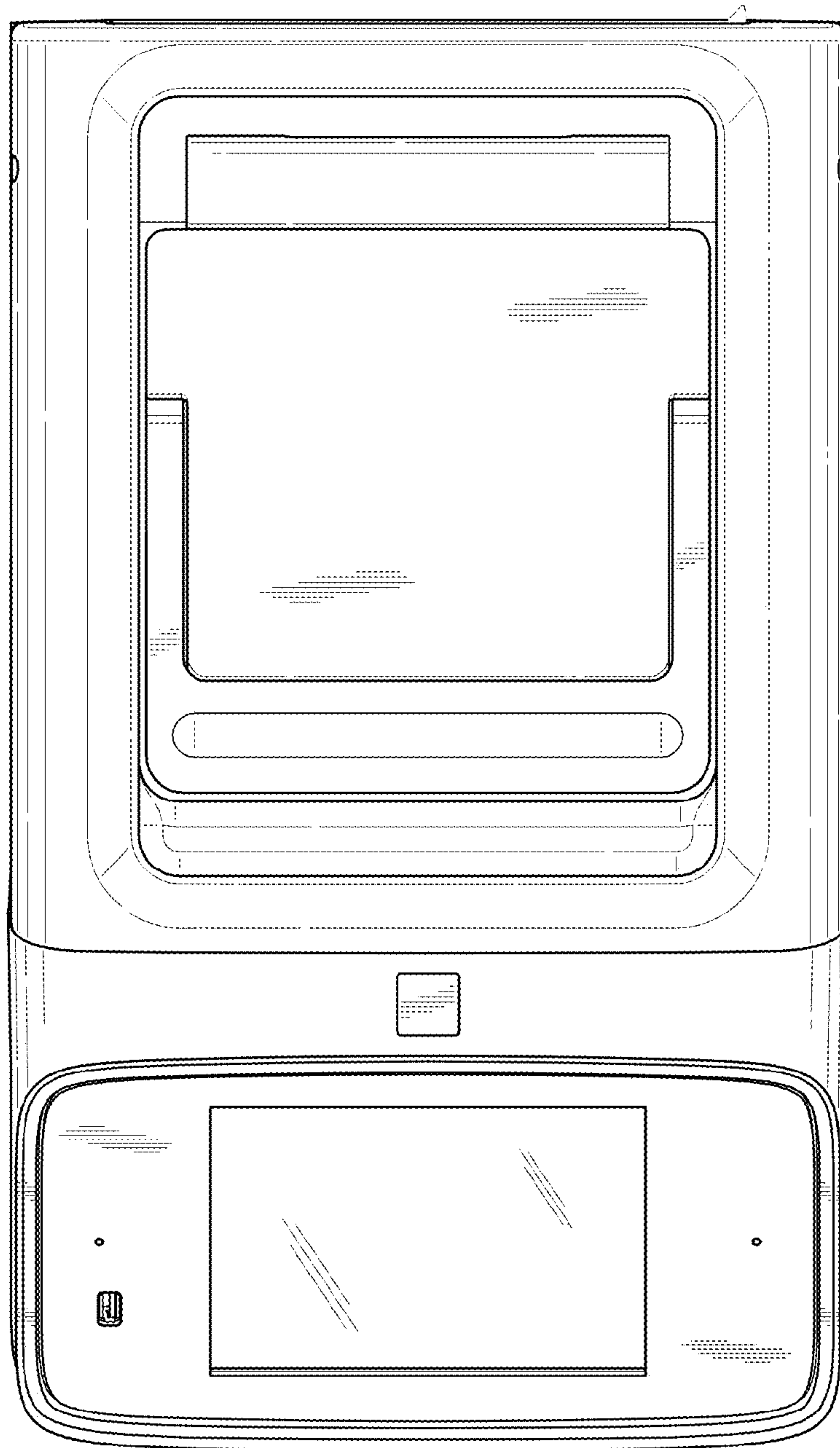


FIG. 6

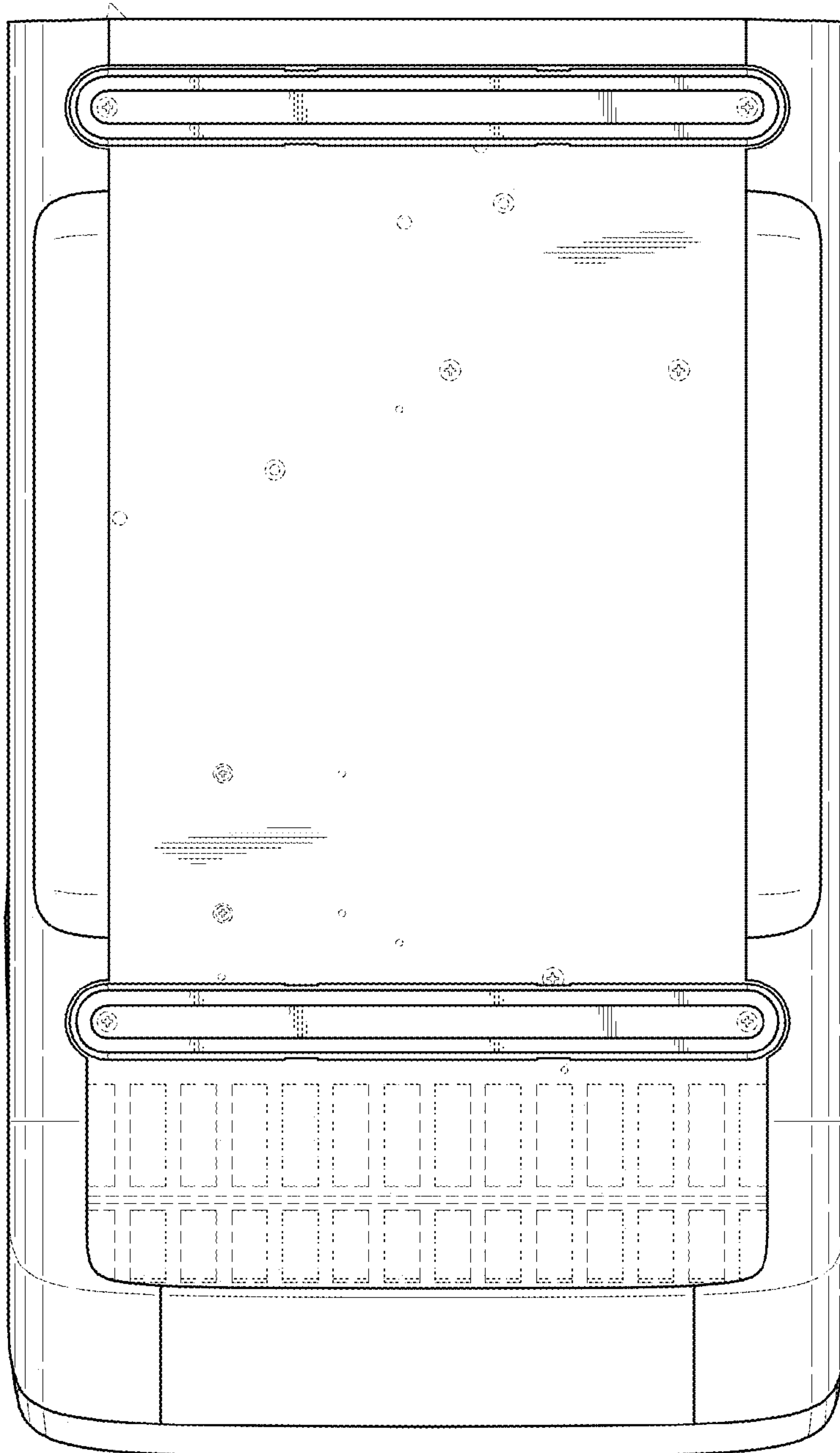


FIG. 7

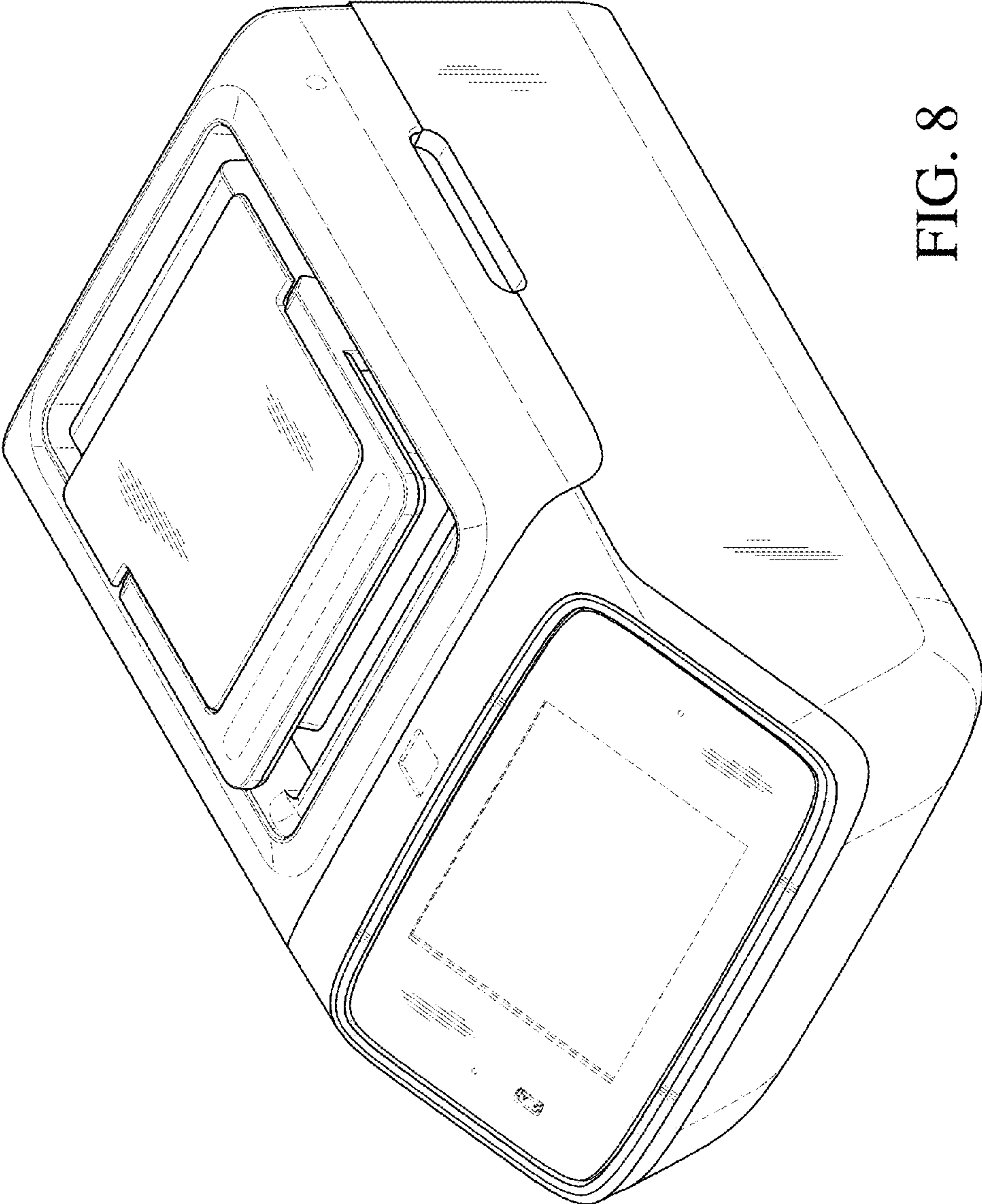


FIG. 8

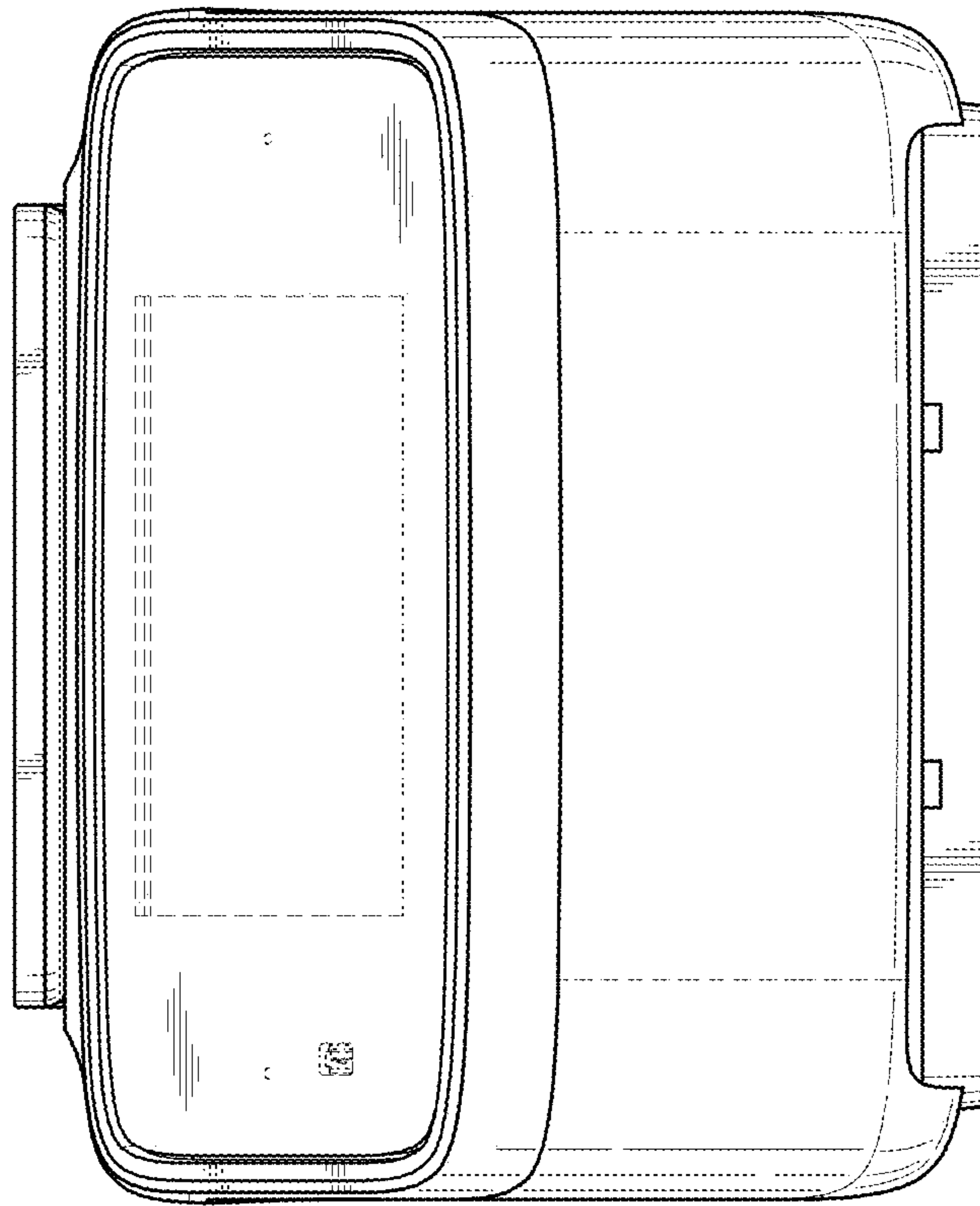


FIG. 9

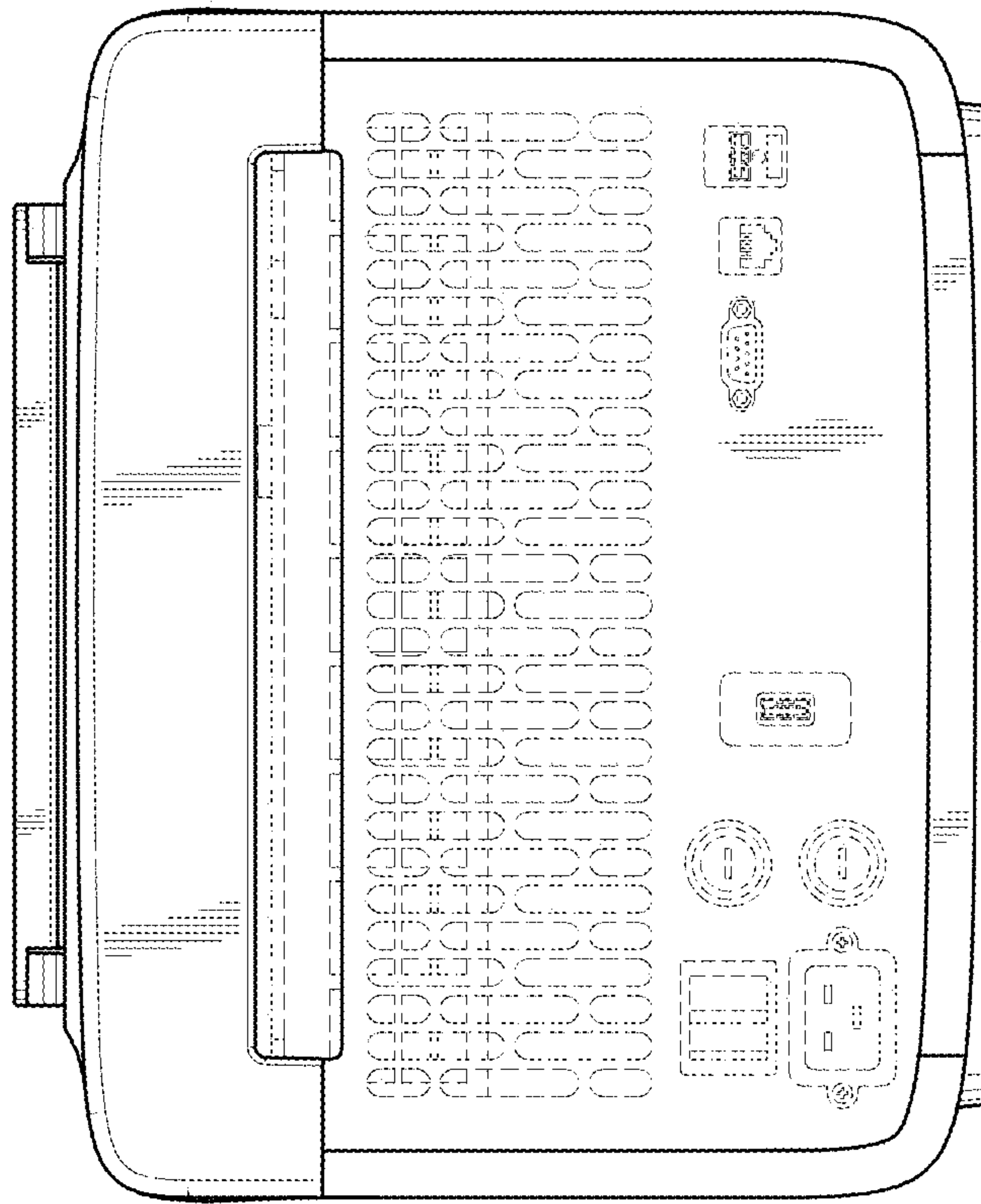


FIG. 10

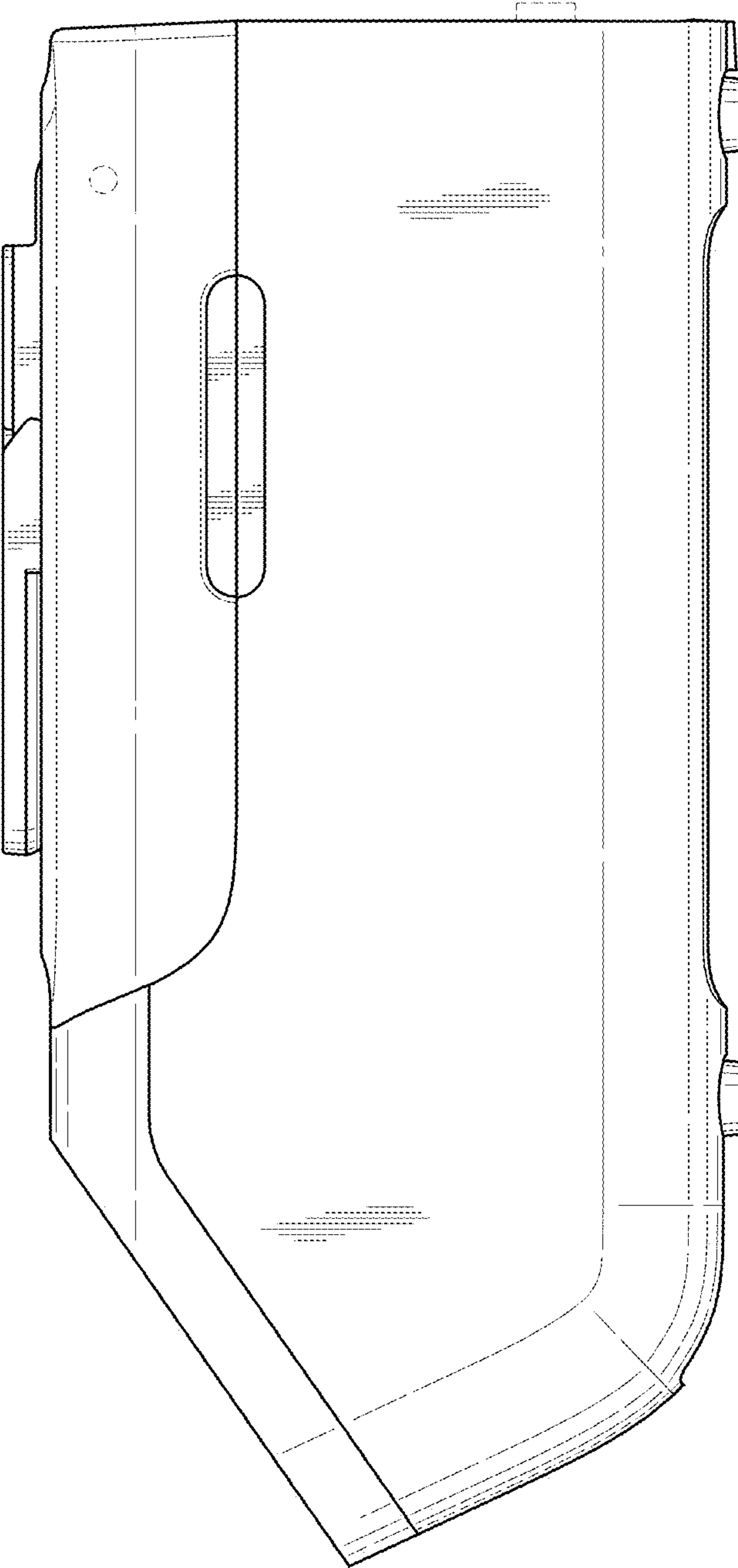


FIG. 11

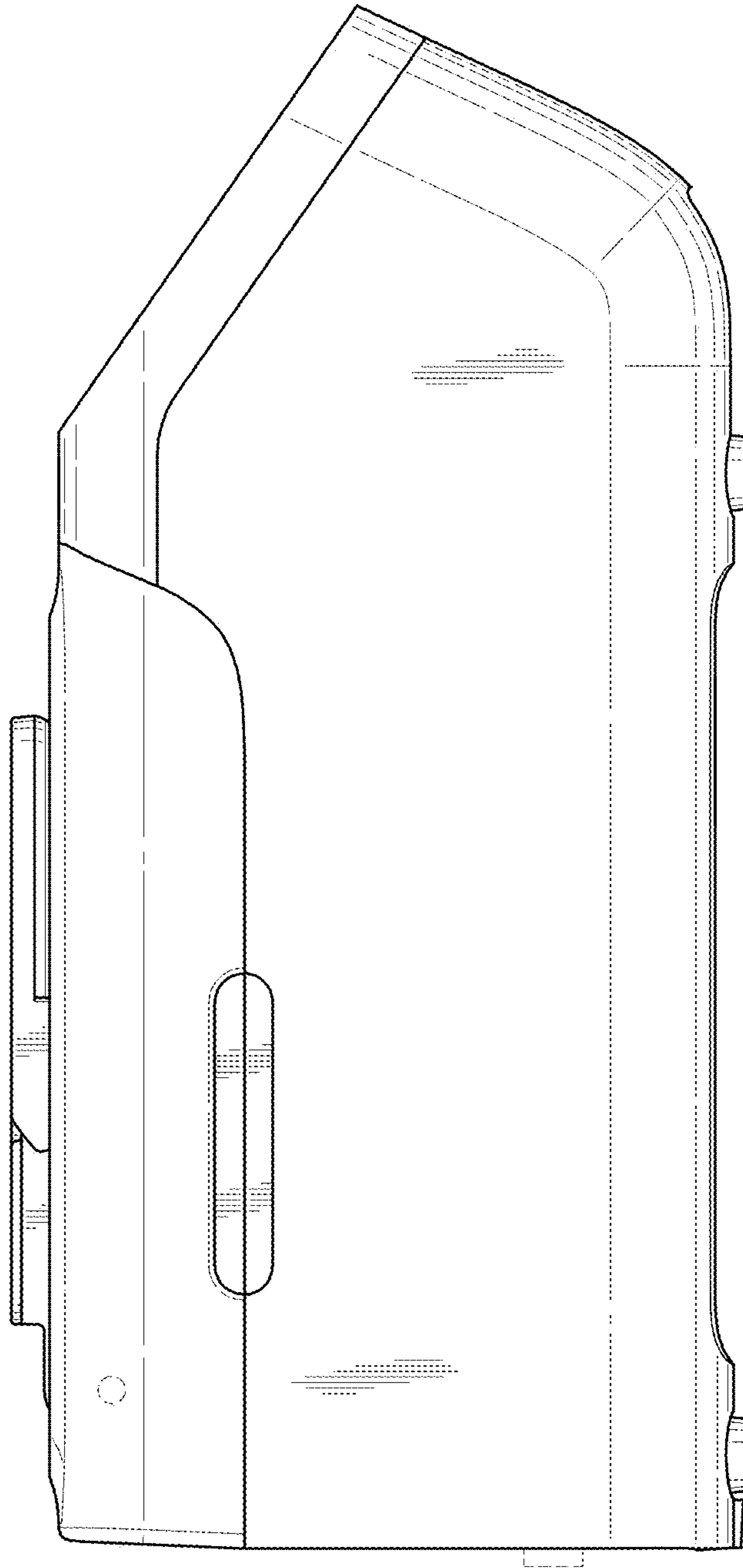


FIG. 12

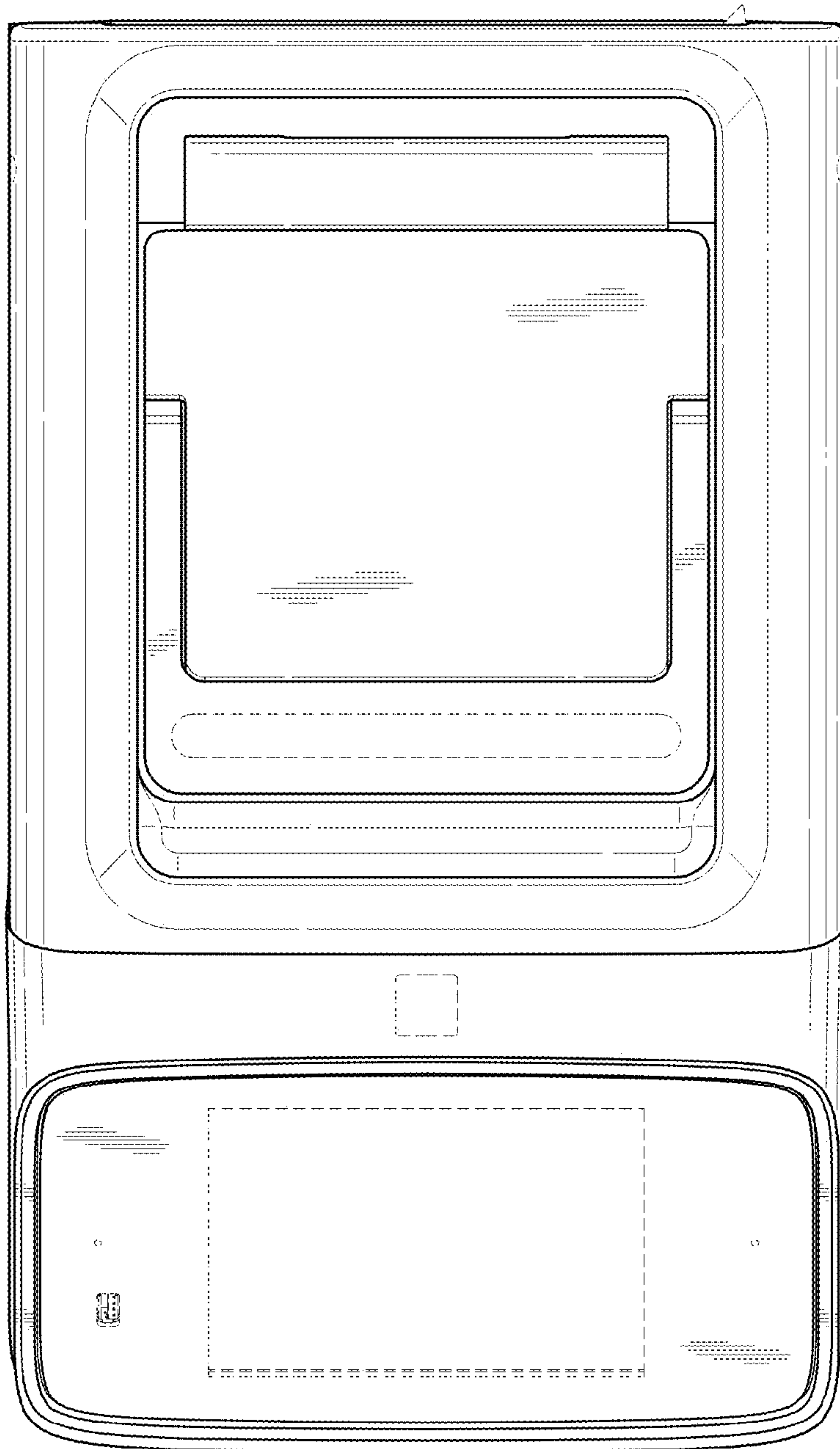


FIG. 13

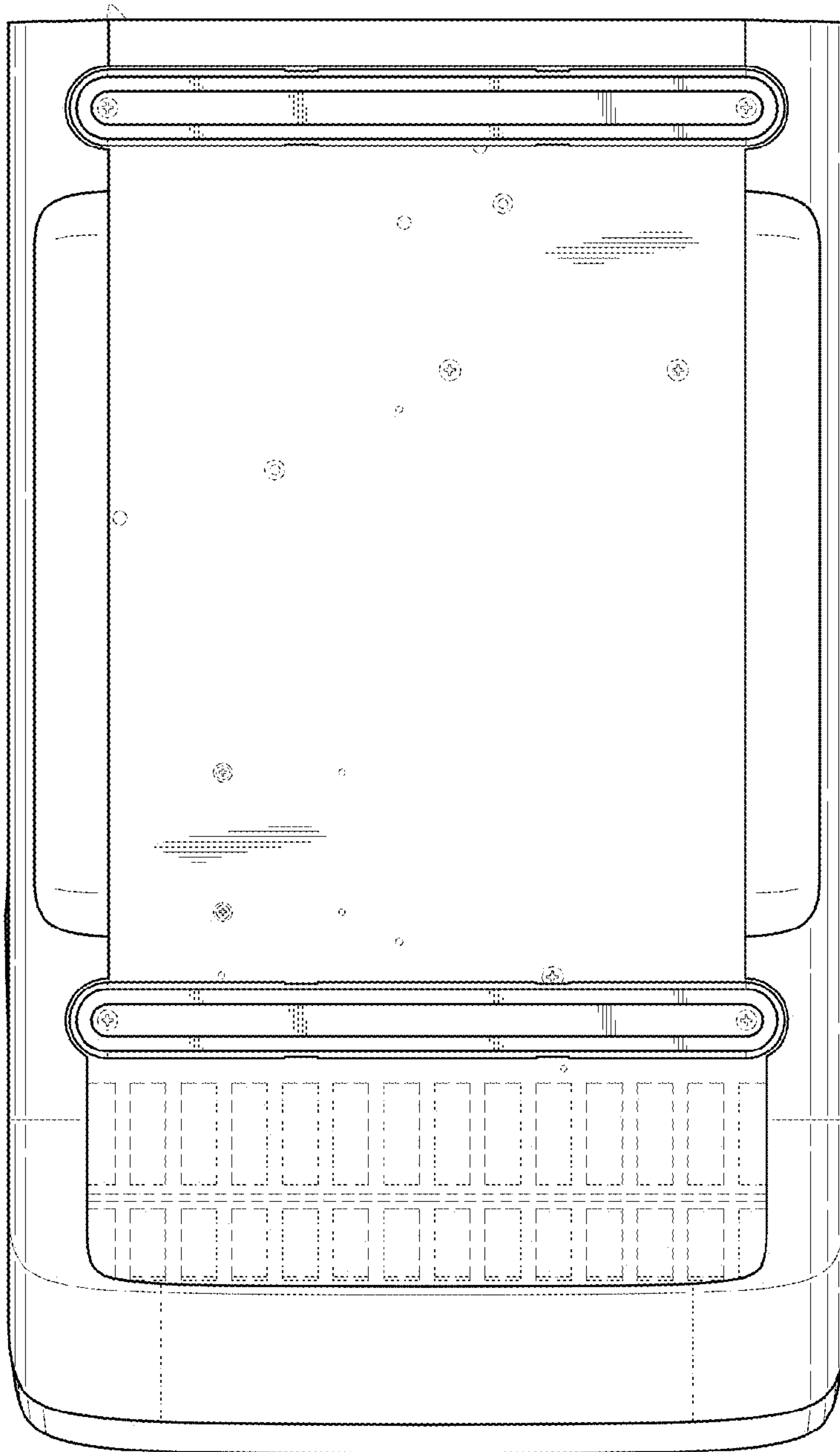


FIG. 14