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

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(54) **BATTERY CHARGER**

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Nagoya (JP)

(**) Term: **15 Years**

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(30) **Foreign Application Priority Data**

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(51) **LOC (11) Cl.** **13-02**

(52) **U.S. Cl.**
USPC **D13/107**

(58) **Field of Classification Search**
USPC D13/102–110, 118–119, 184, 199;
D14/251, 253, 432, 434
CPC Y02E 60/12; Y02T 90/14; Y02T 90/122;
Y02T 90/128; Y02T 90/163; H02J 7/025;
H02J 7/0042; H02J 7/0045; H02J 7/0003;
H01F 38/14; H01R 13/6675; H01M
2/1022; H01M 2/1055; H01M 10/44;
H01M 10/46; H01M 10/425; B60L
11/182

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D322,061 S * 12/1991 Watanabe D13/108
D335,861 S * 5/1993 Tattari D13/108

D474,737 S * 5/2003 Yoshida D13/108
D507,526 S * 7/2005 Ohta D13/108
D523,847 S * 6/2006 Naruki D13/108
D533,499 S * 12/2006 Suzuki D13/108
D535,615 S * 1/2007 Iwai D13/108
D564,959 S * 3/2008 Heine D13/107
D601,258 S * 9/2009 Bell D24/169
D605,588 S * 12/2009 Nomi D13/108
D697,474 S * 1/2014 Manneschi D13/108
D715,284 S * 10/2014 Iwamoto D12/415
D780,824 S * 3/2017 Li D14/434

* cited by examiner

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(57) **CLAIM**

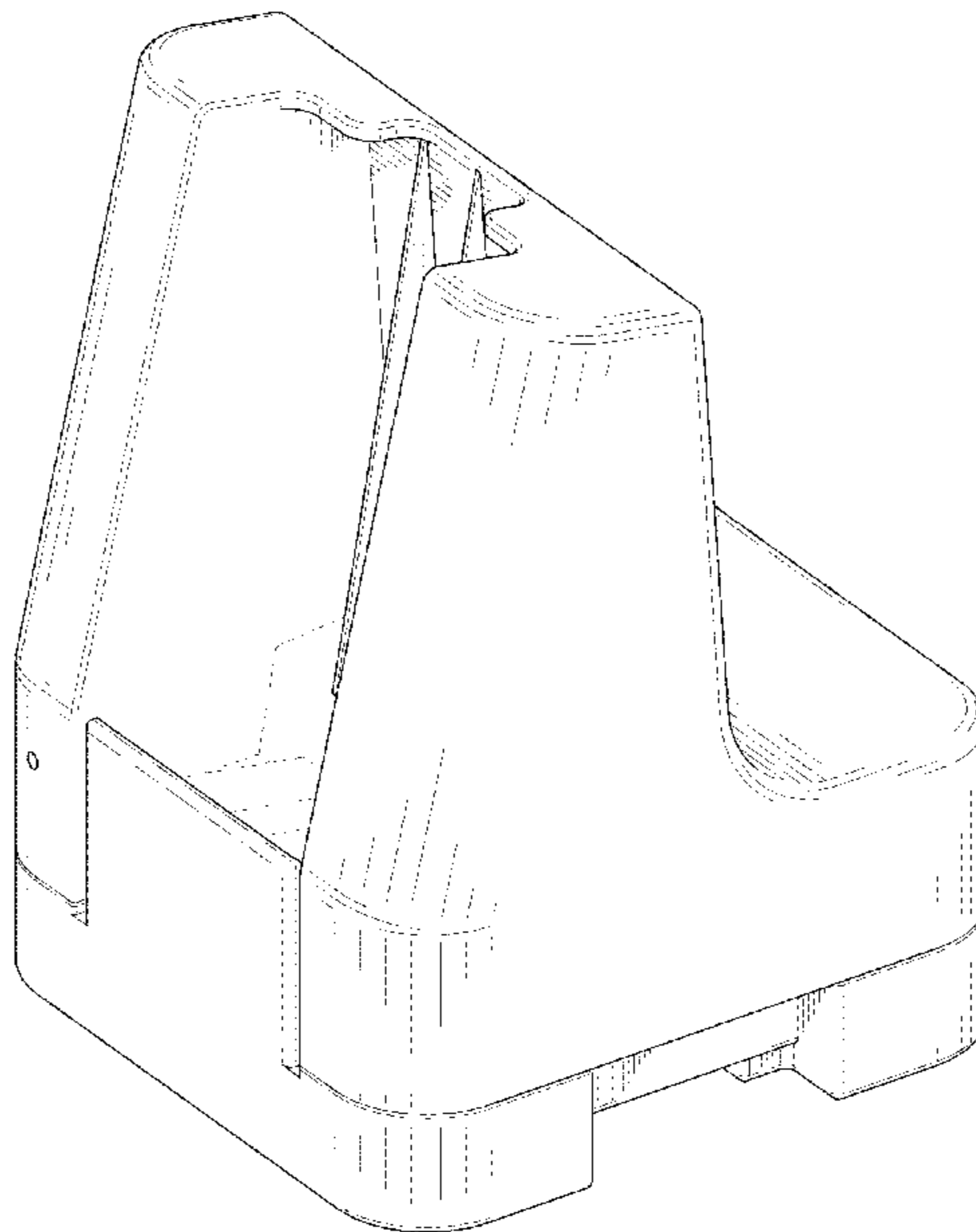
The ornamental design for a battery charger, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a battery charger;
FIG. 2 is a front view thereof;
FIG. 3 is a top view thereof;
FIG. 4 is a right-side view thereof;
FIG. 5 is a left-side view thereof;
FIG. 6 is a rear view thereof; and,
FIG. 7 is a bottom view thereof.

The broken lines present in the drawings are included for the purpose of illustrating portions of the article or environmental subject matter which form no part of the claimed design.

1 Claim, 7 Drawing Sheets



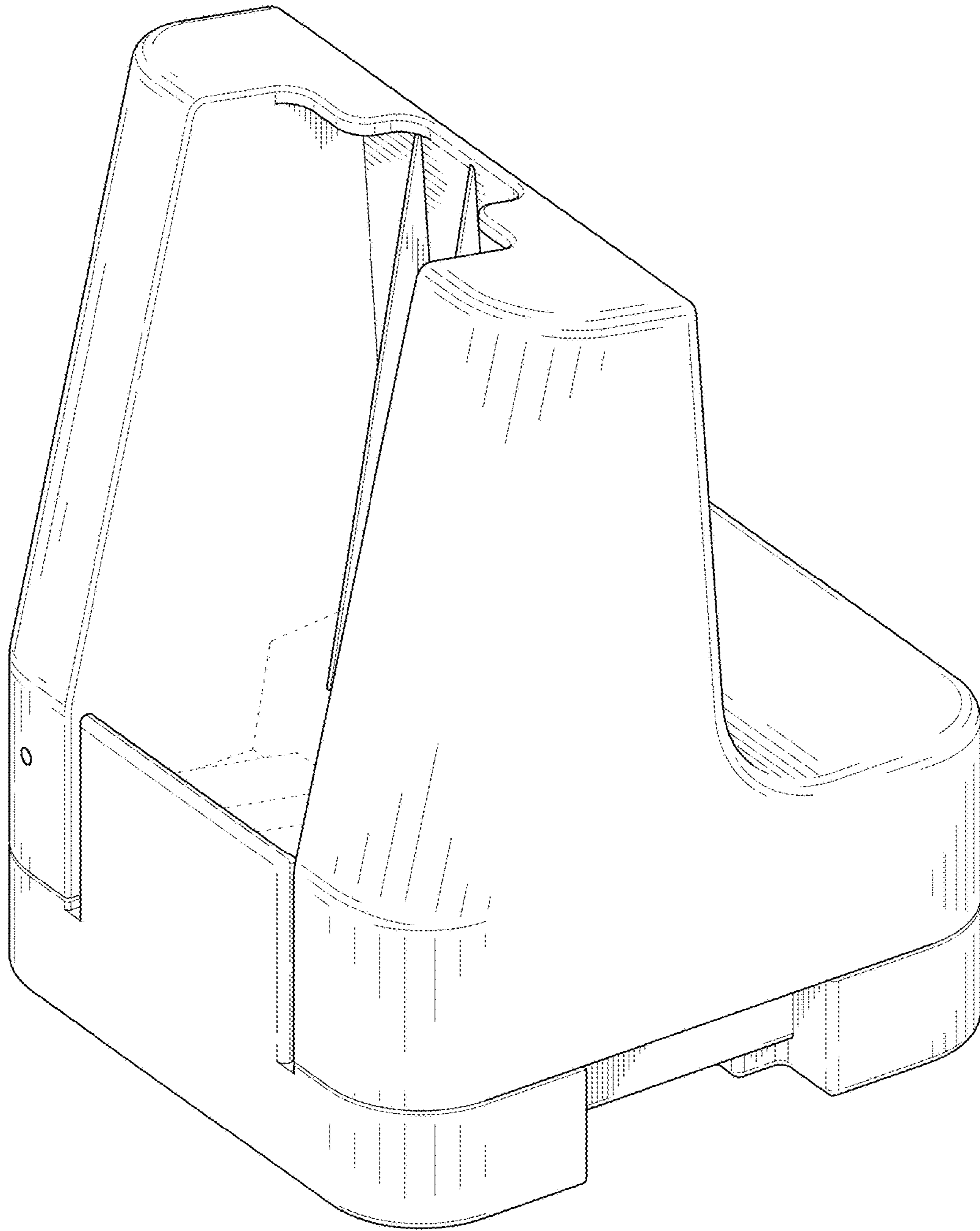


FIG. 1

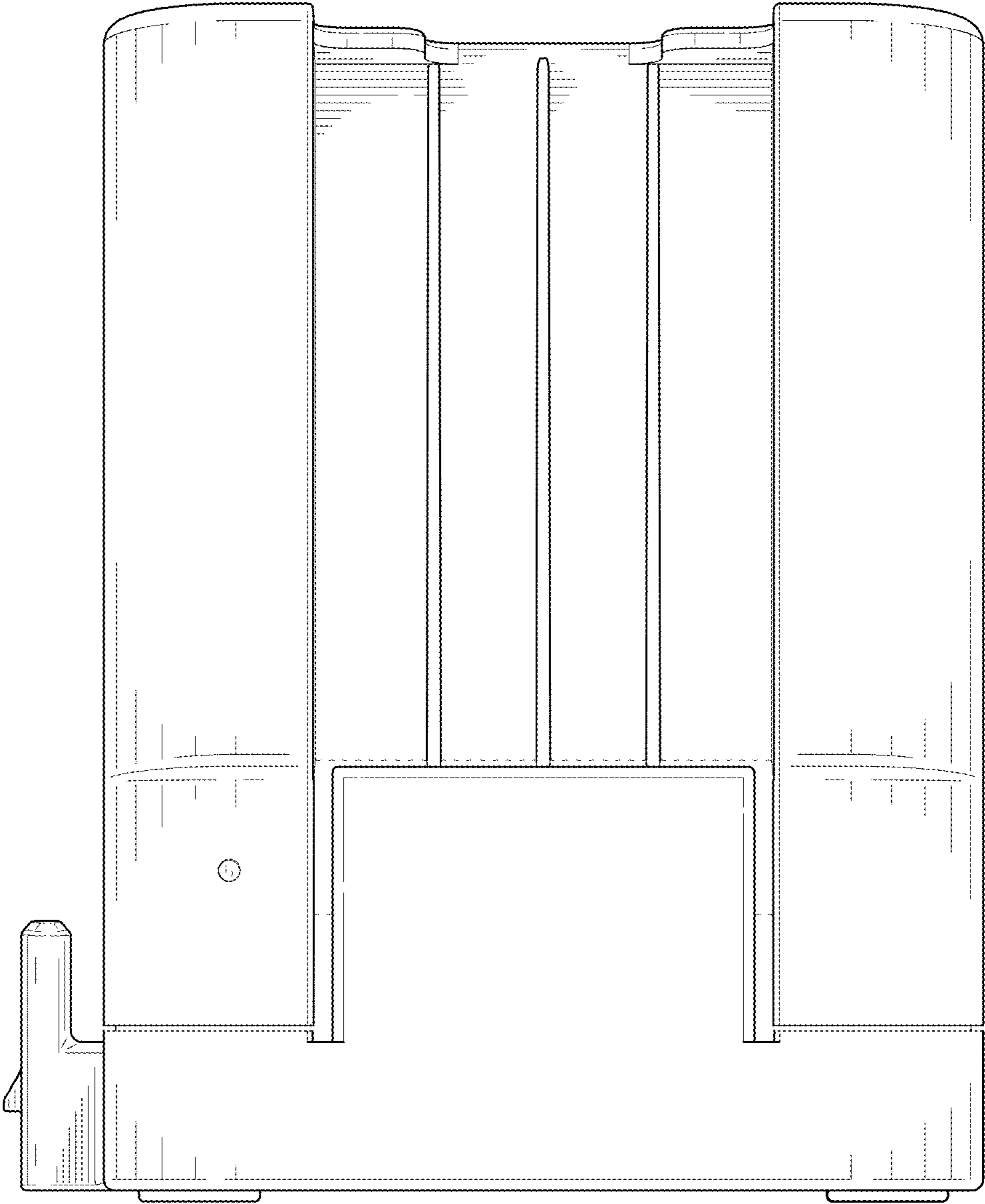


FIG. 2

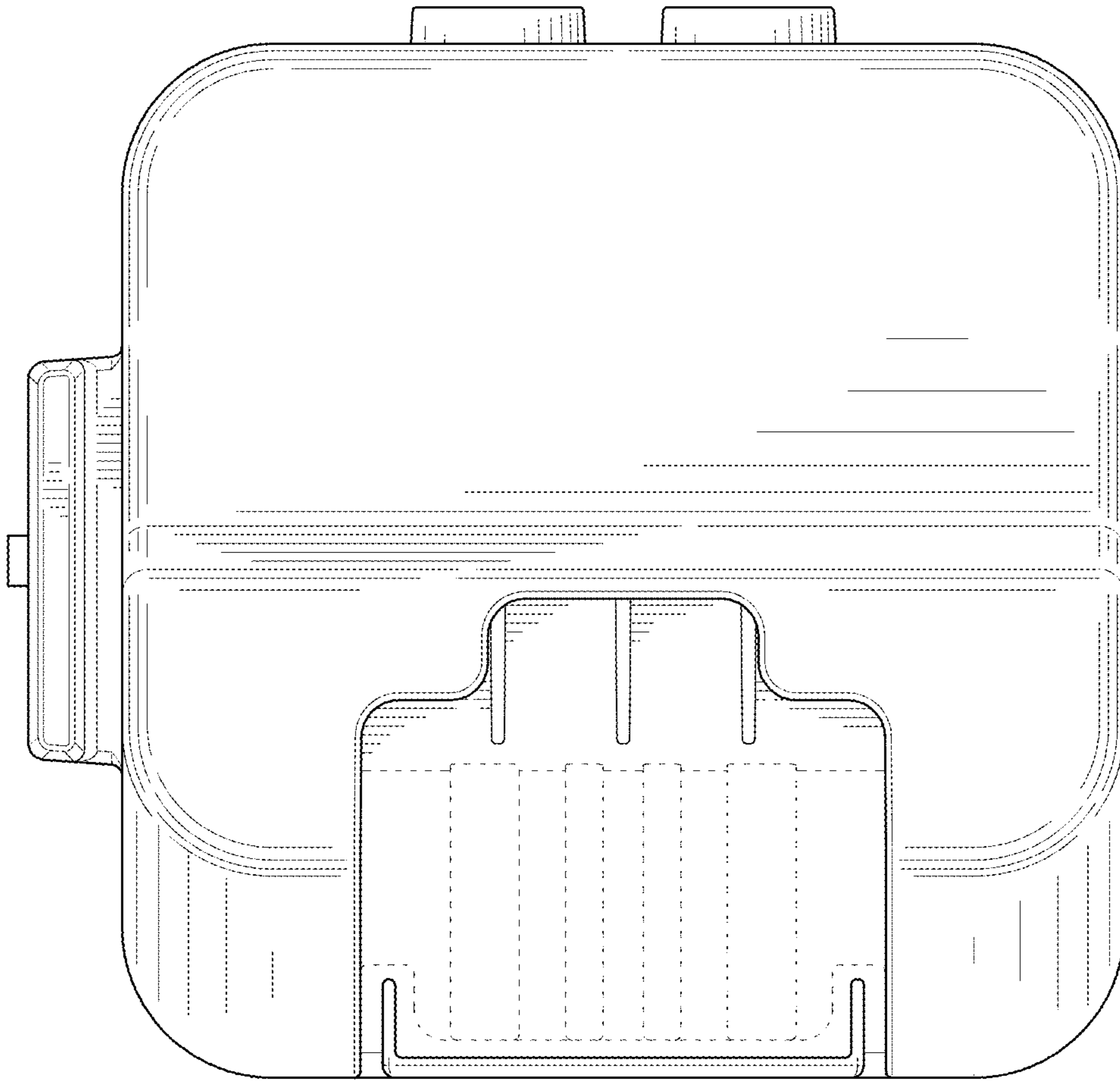


FIG. 3

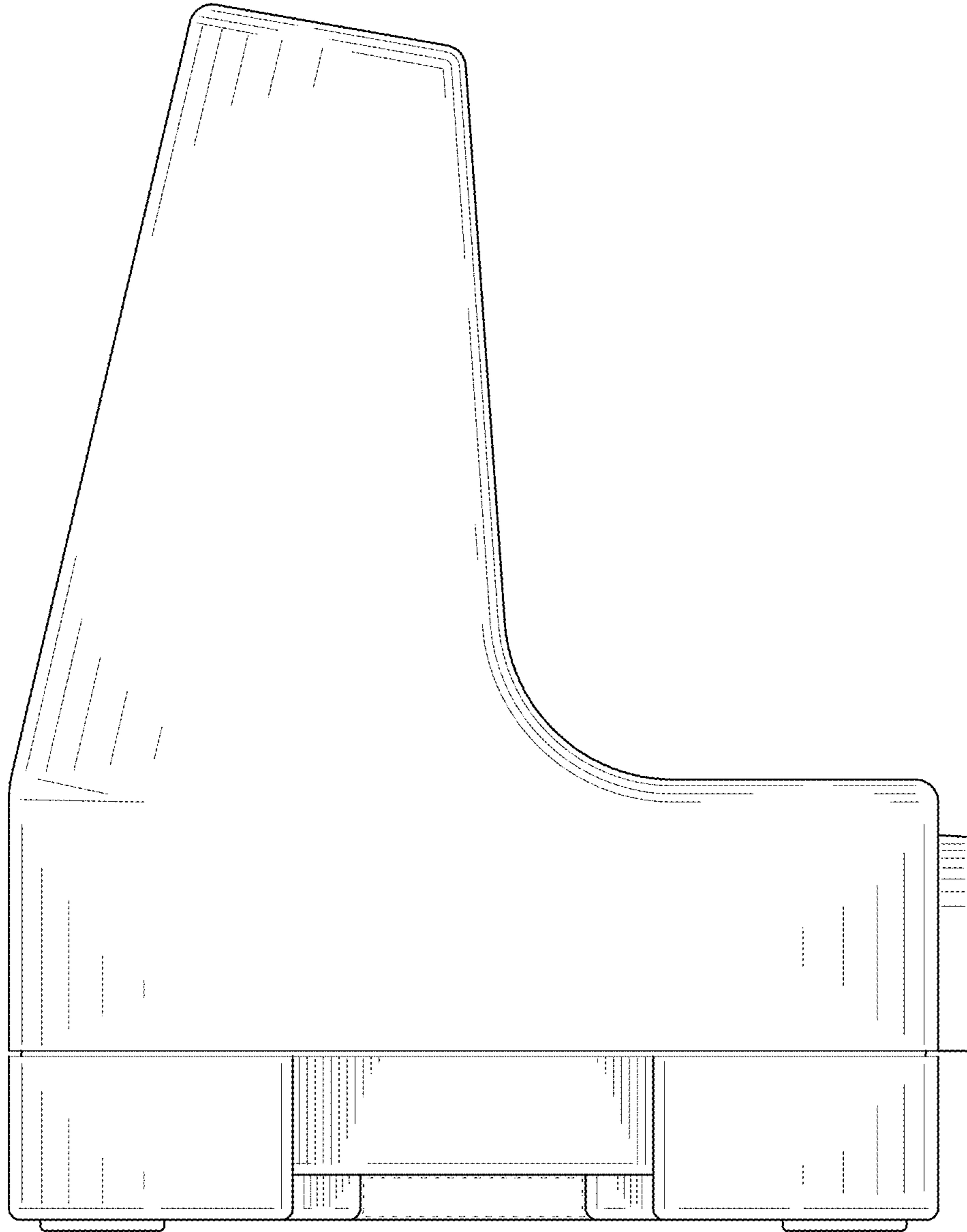


FIG. 4

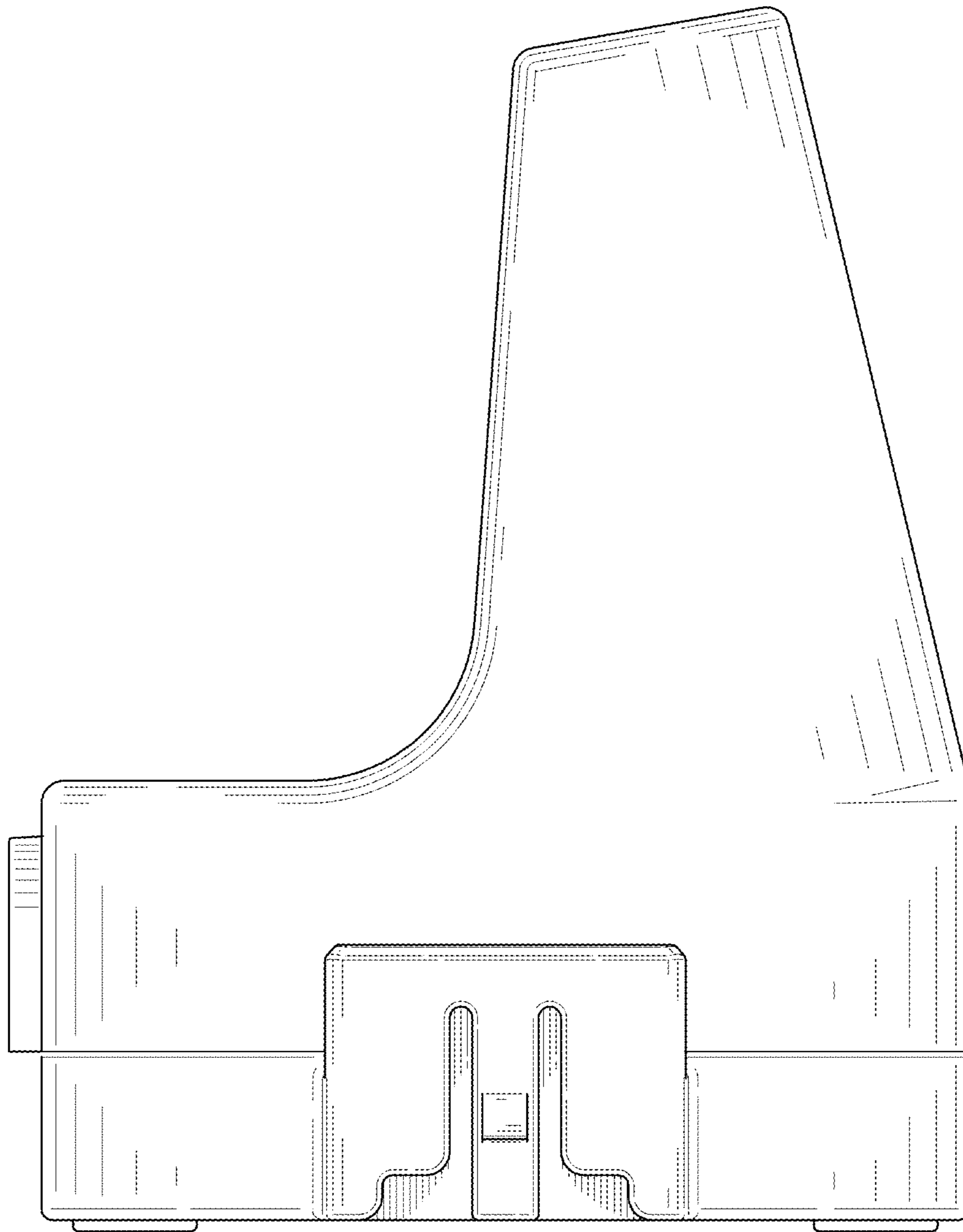


FIG. 5

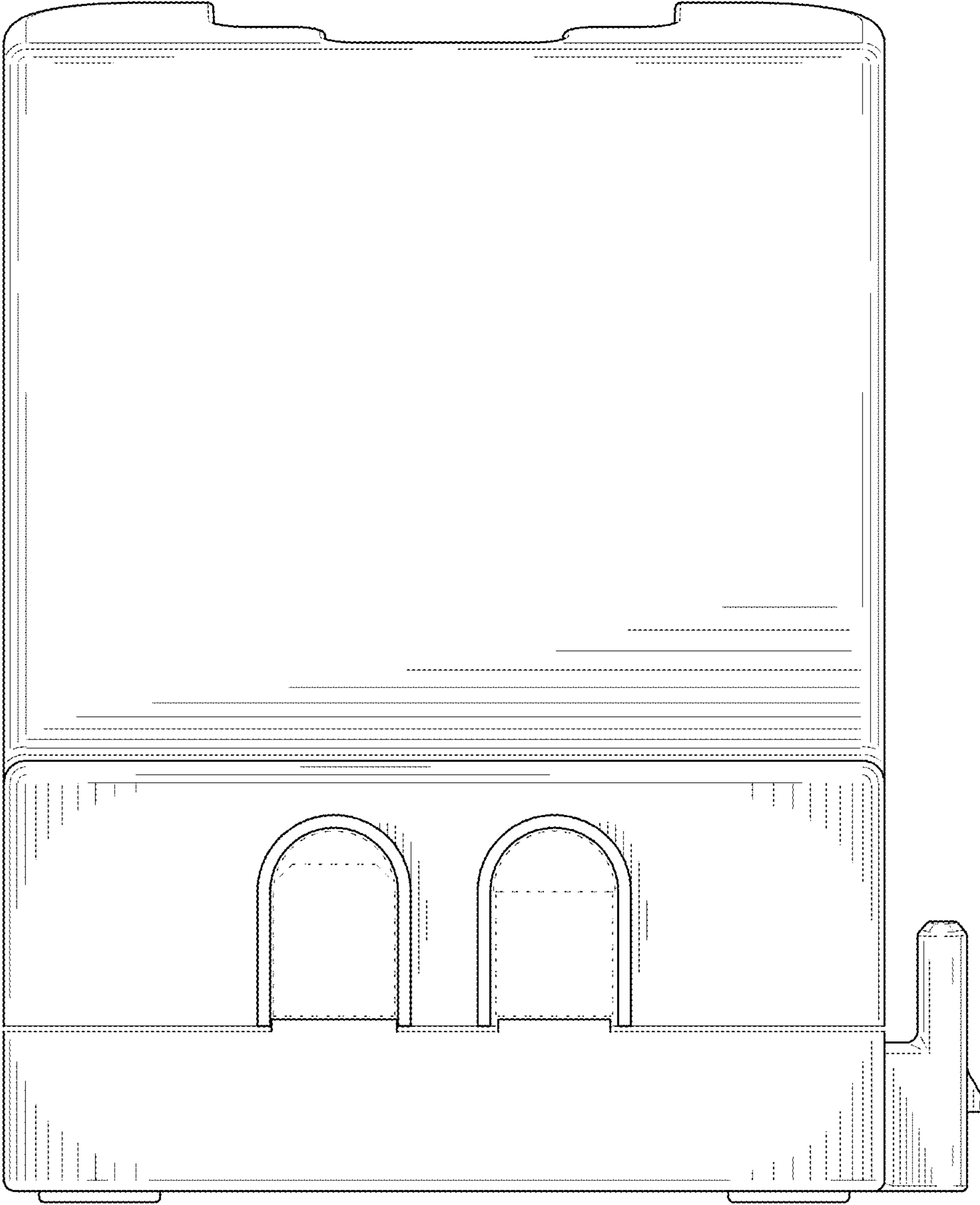


FIG. 6

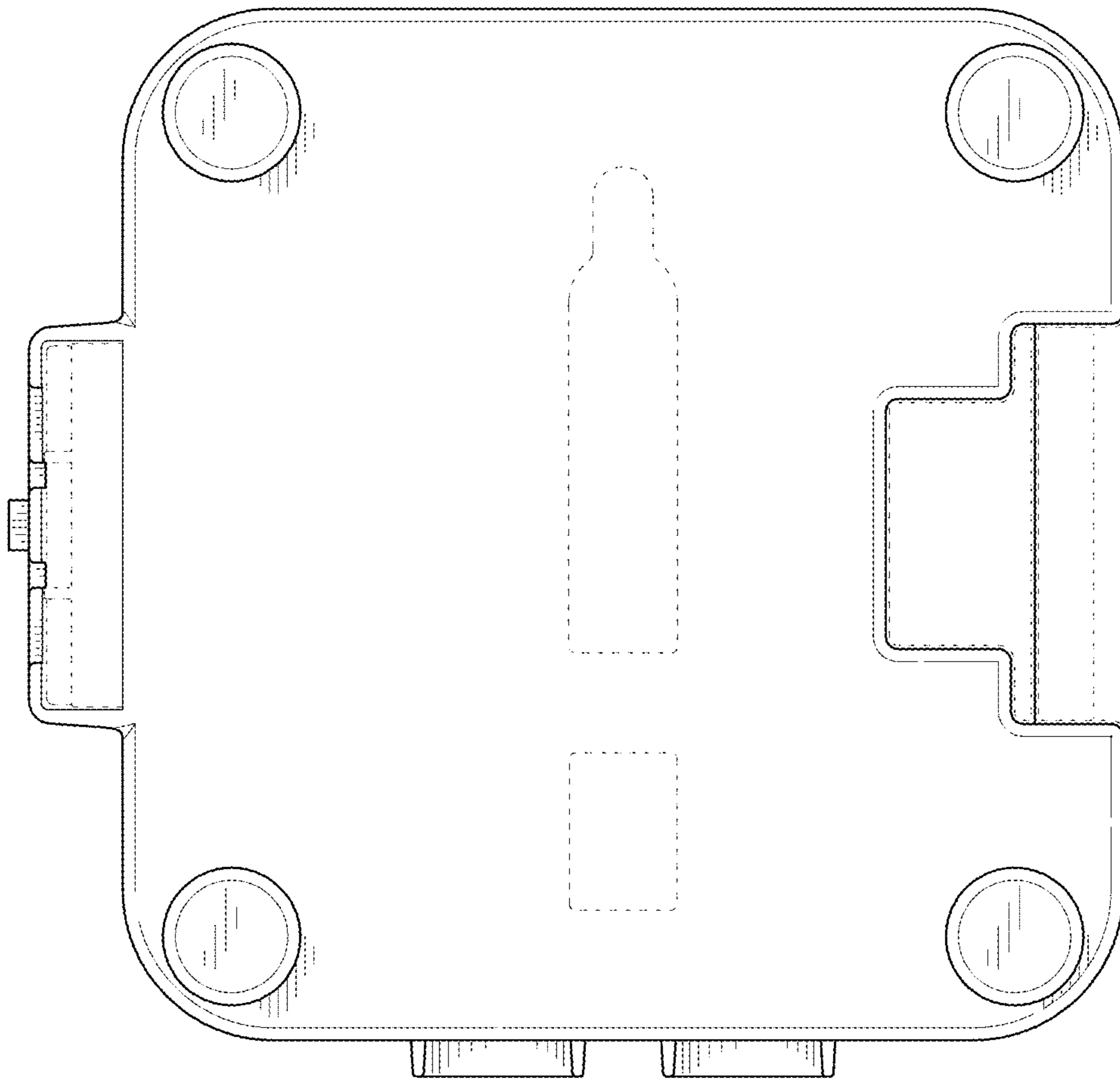


FIG. 7