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

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(54) **CAPILLARY DNA SEQUENCER**

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

(21) Appl. No.: **29/337,698**

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(30) **Foreign Application Priority Data**

Nov. 28, 2008 (JP) 2008-030596

(51) **LOC (9) Cl.** **24-02**

(52) **U.S. Cl.** **D24/234**

(58) **Field of Classification Search** D21/104, D21/169, 186, 216, 231-234; 600/300, 301, 600/368, 372, 481, 529, 544, 554, 561; 607/4, 607/5, 9, 30; D10/70, 81; D13/162
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- D307,321 S * 4/1990 Bransky et al. D24/186
- D378,782 S * 4/1997 LaBarbera et al. D24/231
- D399,959 S * 10/1998 Prokop et al. D24/169
- D410,080 S * 5/1999 Heidsiek et al. D24/107
- D421,653 S * 3/2000 Purcell D24/216
- D424,956 S * 5/2000 von Buelow et al. D10/81
- D437,795 S * 2/2001 Fischer D10/70

- D489,816 S * 5/2004 Ross D24/186
- D515,707 S * 2/2006 Shinohara et al. D24/232
- D537,951 S * 3/2007 Okamoto et al. D24/233
- D549,827 S * 8/2007 Maeno et al. D24/169
- D554,070 S * 10/2007 Bolotin et al. D13/162
- D556,914 S * 12/2007 Okamoto et al. D24/233
- D560,131 S * 1/2008 Hu D10/81
- D569,526 S * 5/2008 Duffy et al. D24/232
- D571,474 S * 6/2008 Sjo-Gaber et al. D24/186
- D590,507 S * 4/2009 Krishnan D24/186
- D598,129 S * 8/2009 Tsukuda et al. D24/234
- D598,567 S * 8/2009 Tsukuda et al. D24/234
- D599,234 S * 9/2009 Ito D10/81

* cited by examiner

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(57) **CLAIM**

We claim the ornamental design for a capillary DNA sequencer, as shown.

DESCRIPTION

FIG. 1 is a perspective view a capillary DNA sequencer showing our new design;

FIG. 2 is a front view thereof;

FIG. 3 is a rear view thereof;

FIG. 4 is a top plan view thereof;

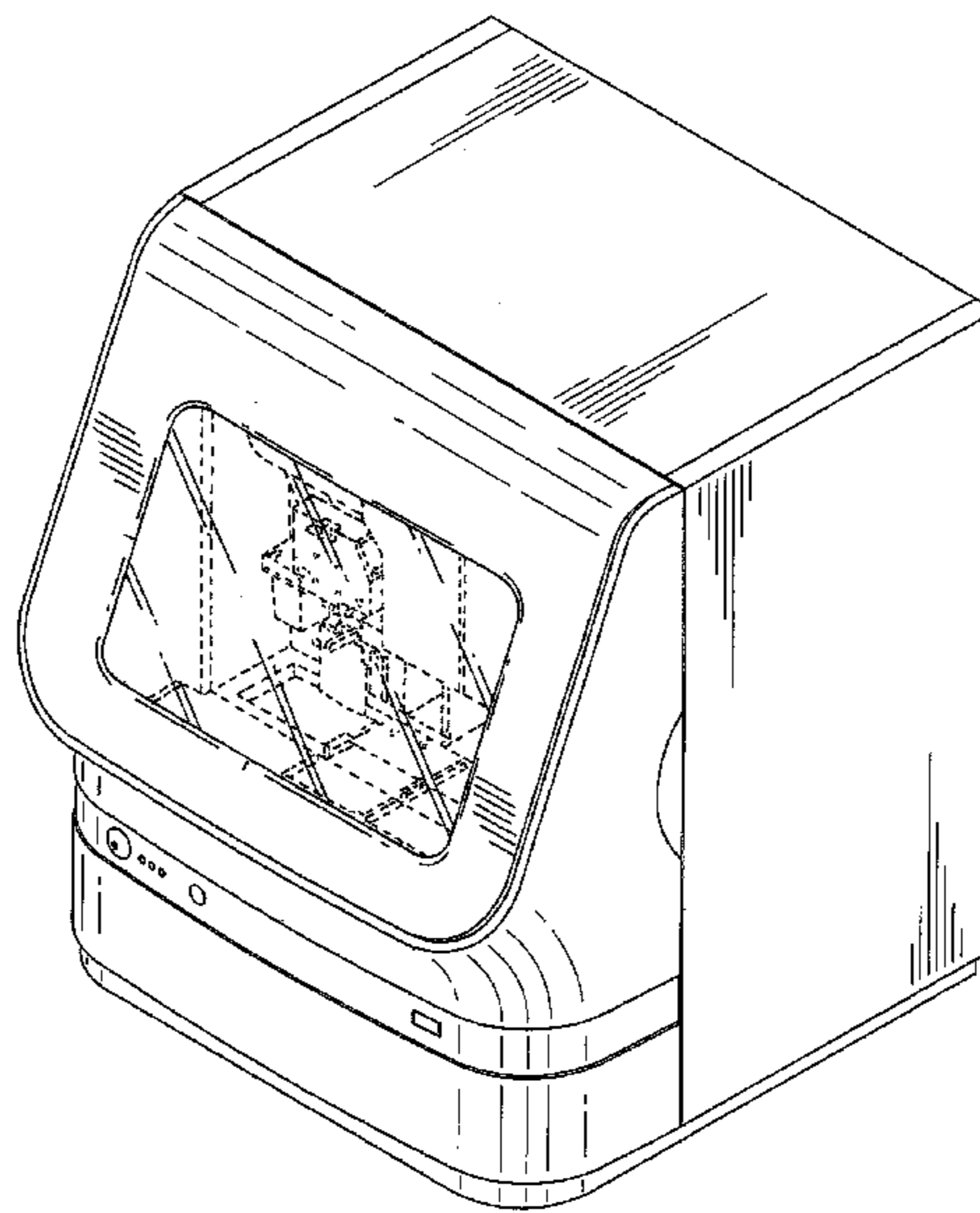
FIG. 5 is a bottom view thereof;

FIG. 6 is a left side view thereof; and,

FIG. 7 is right side view thereof.

The broken lines shown are included for the purpose of illustrating portions of the capillary DNA sequencer that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



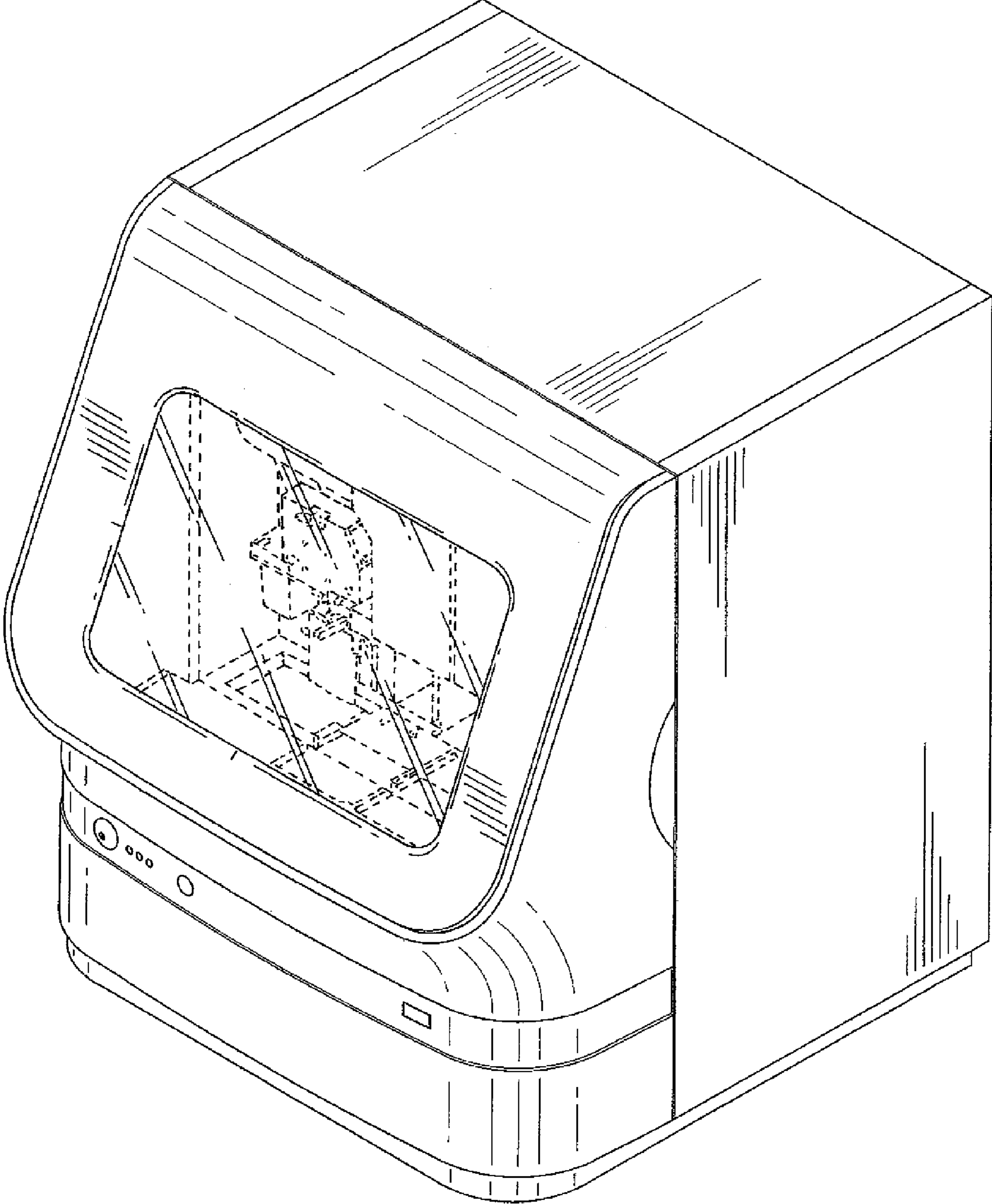


FIG. 1

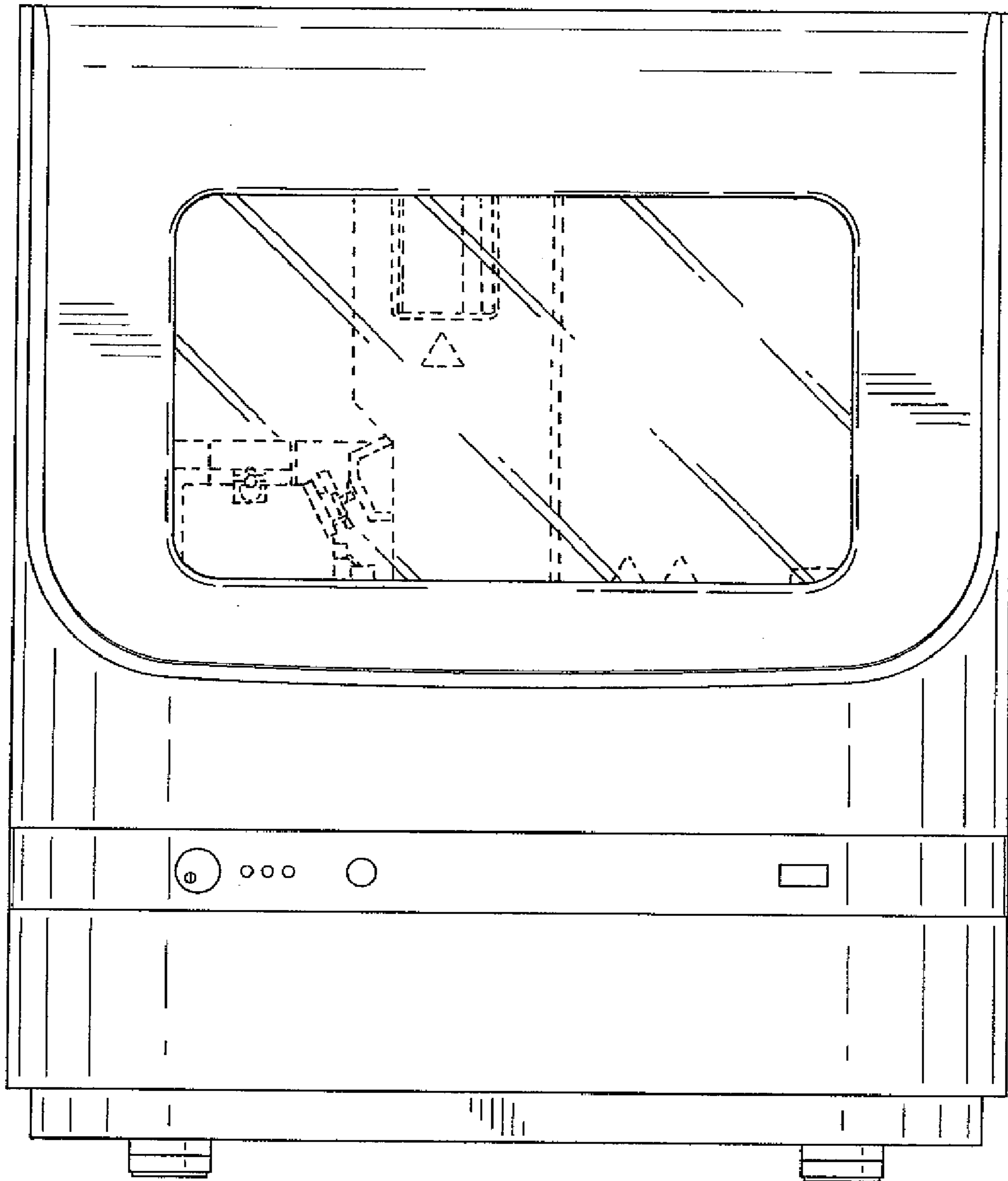


FIG. 2

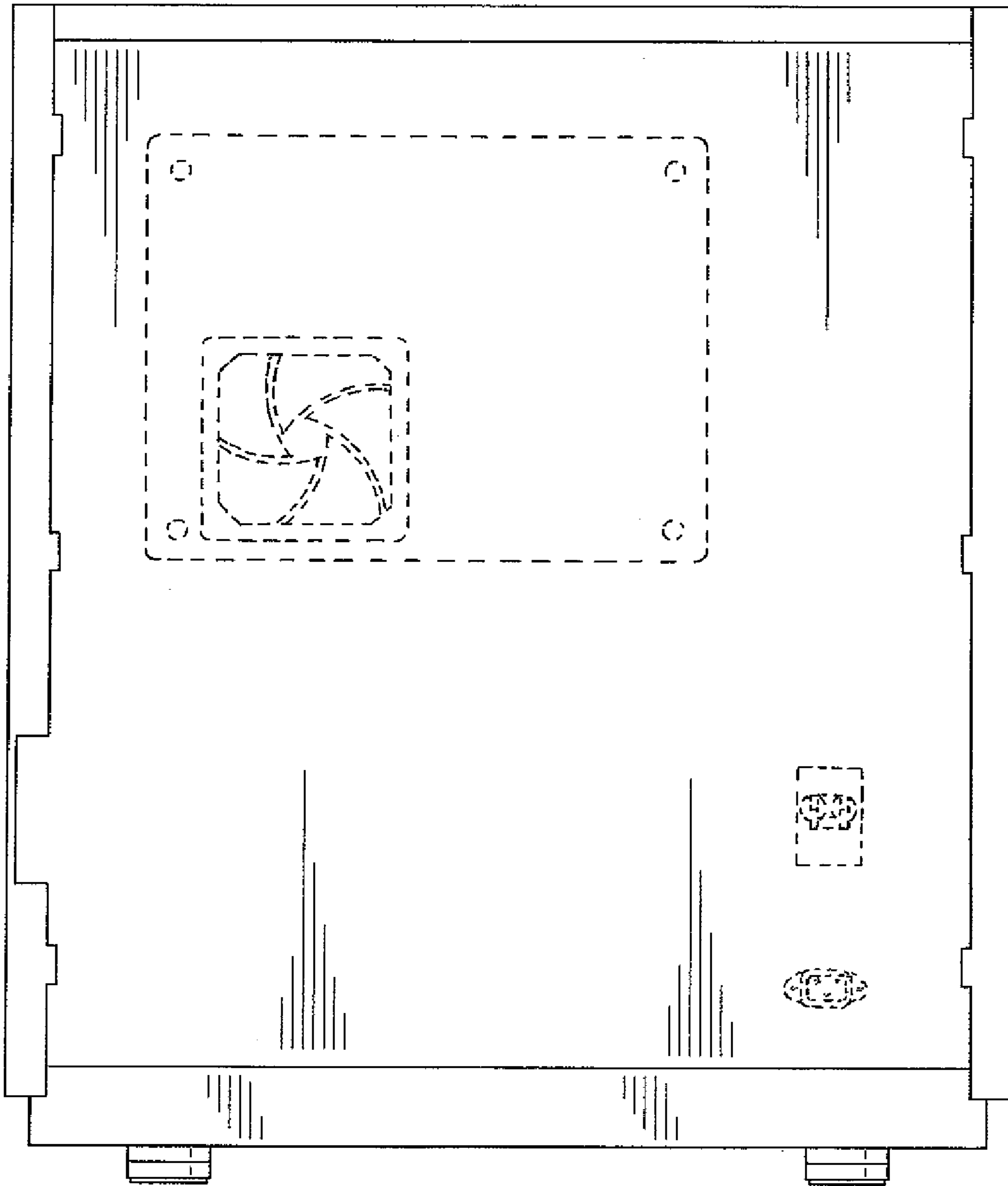


FIG. 3

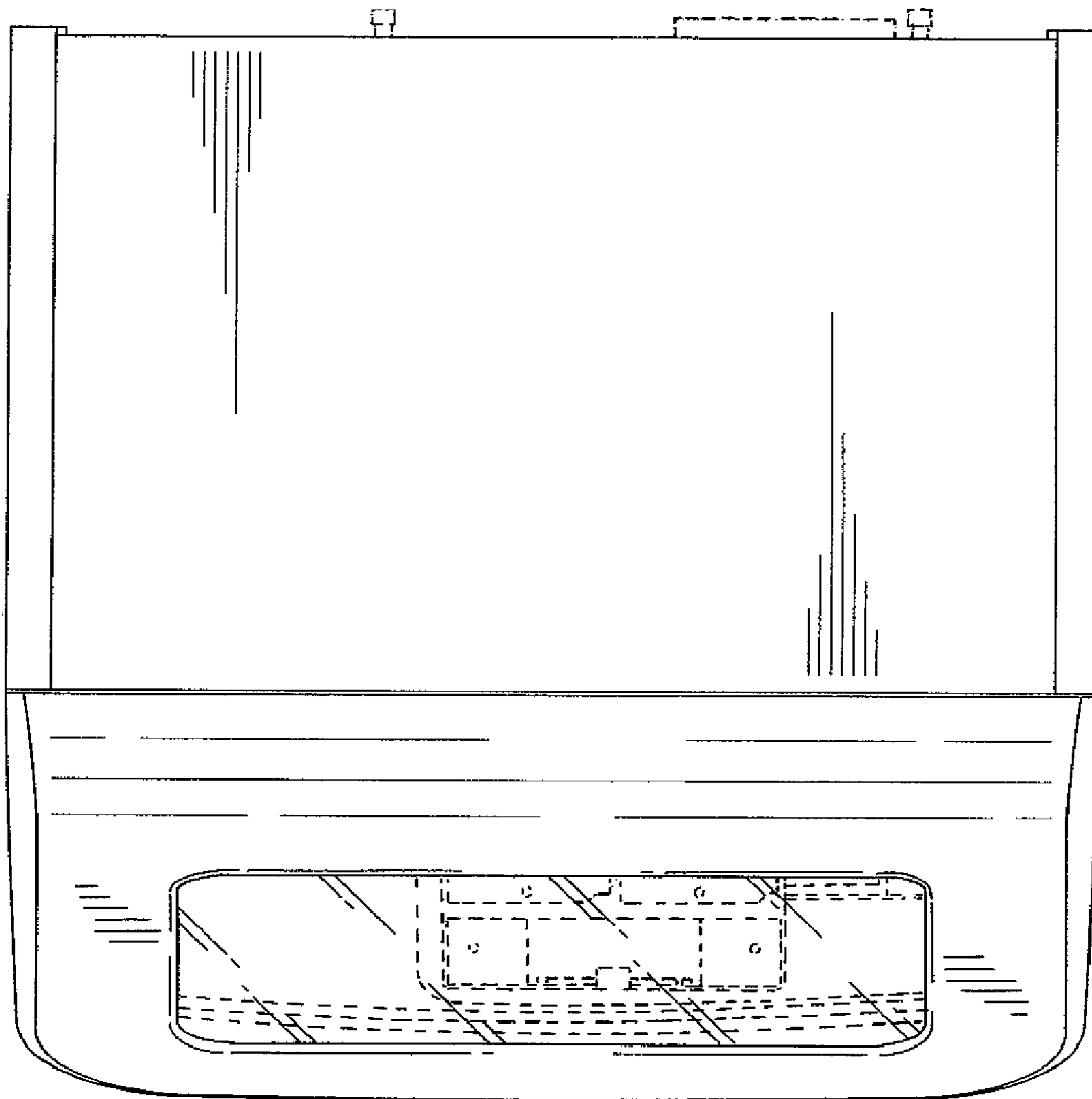


FIG. 4

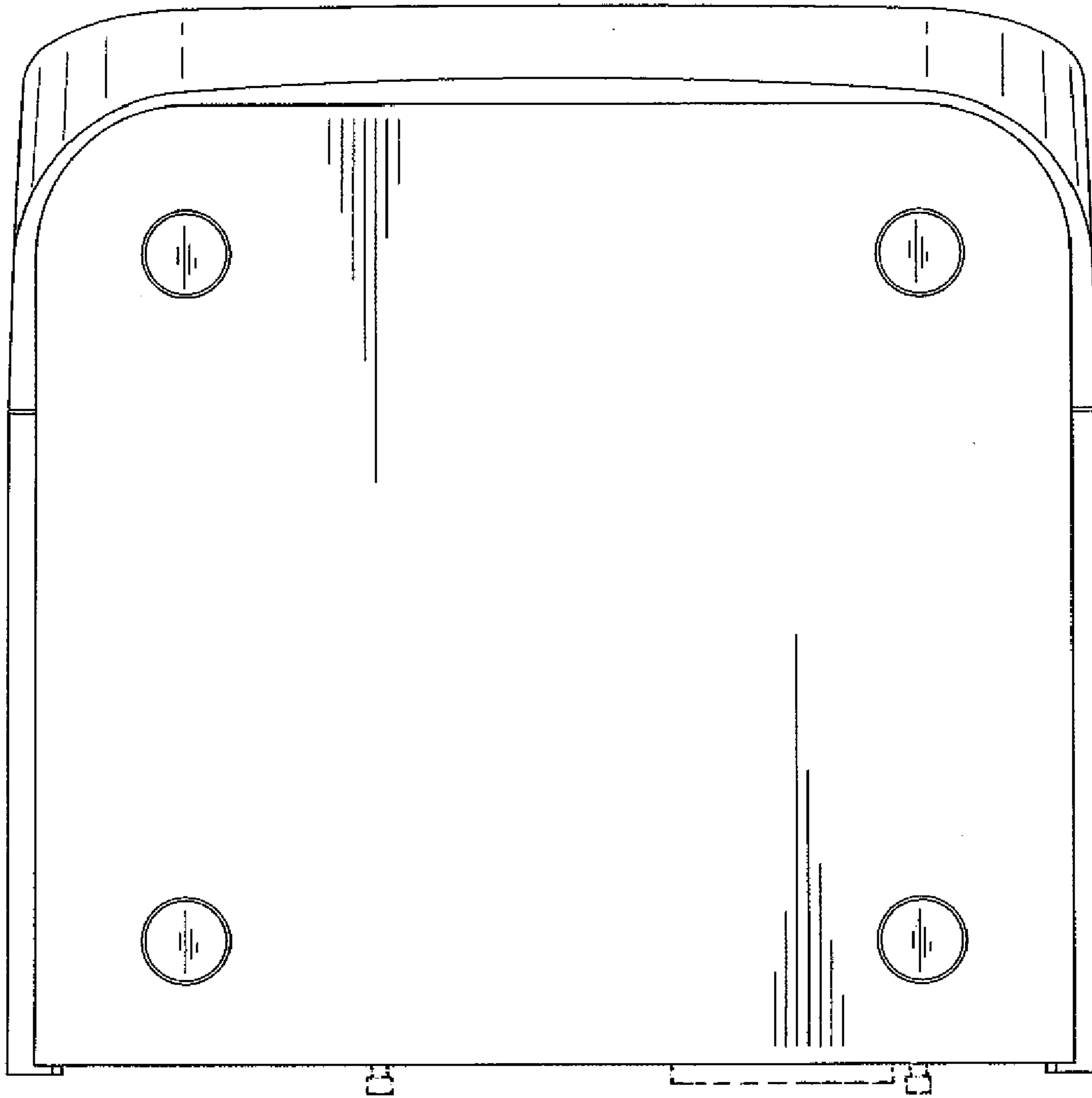


FIG. 5

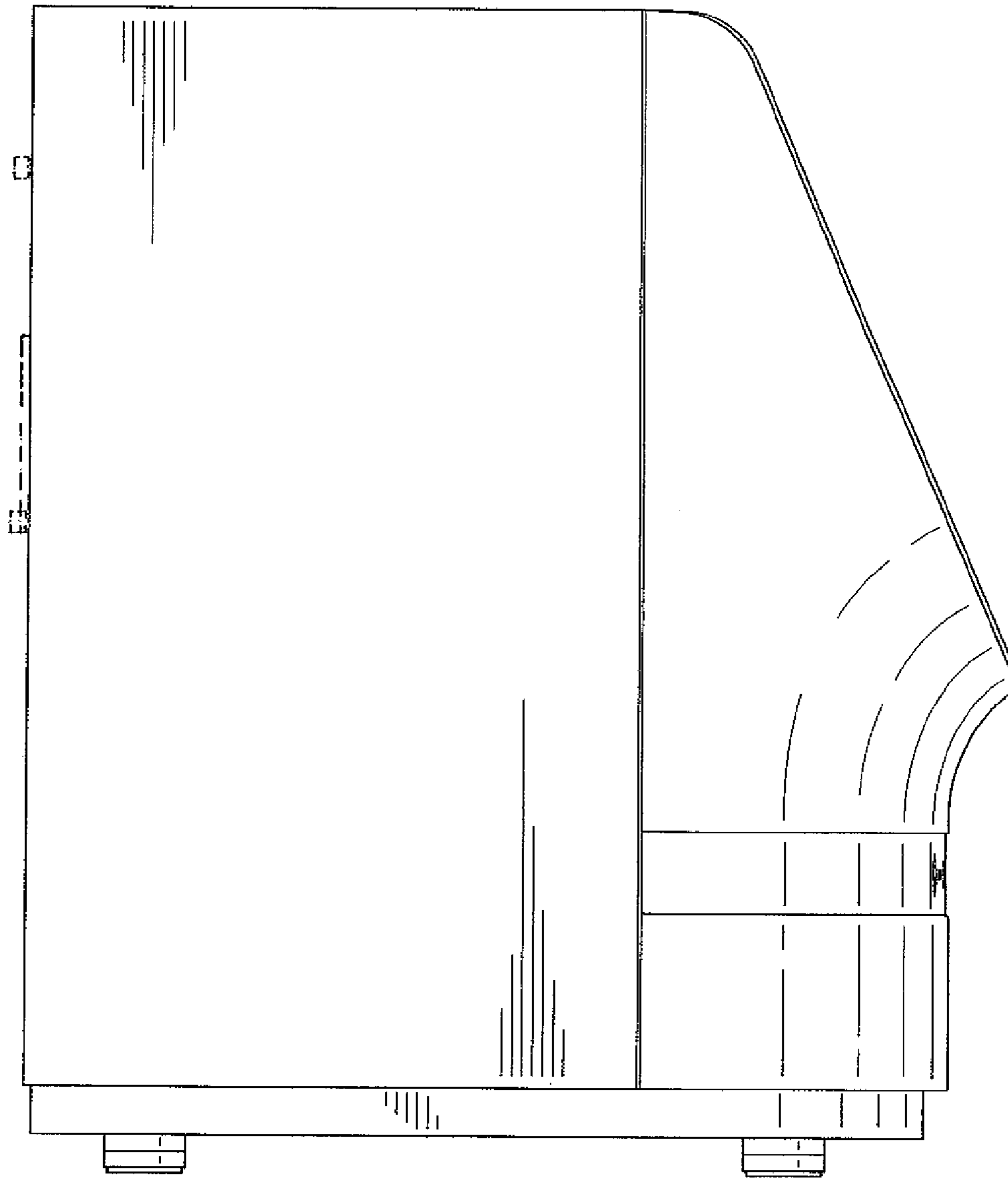


FIG. 6

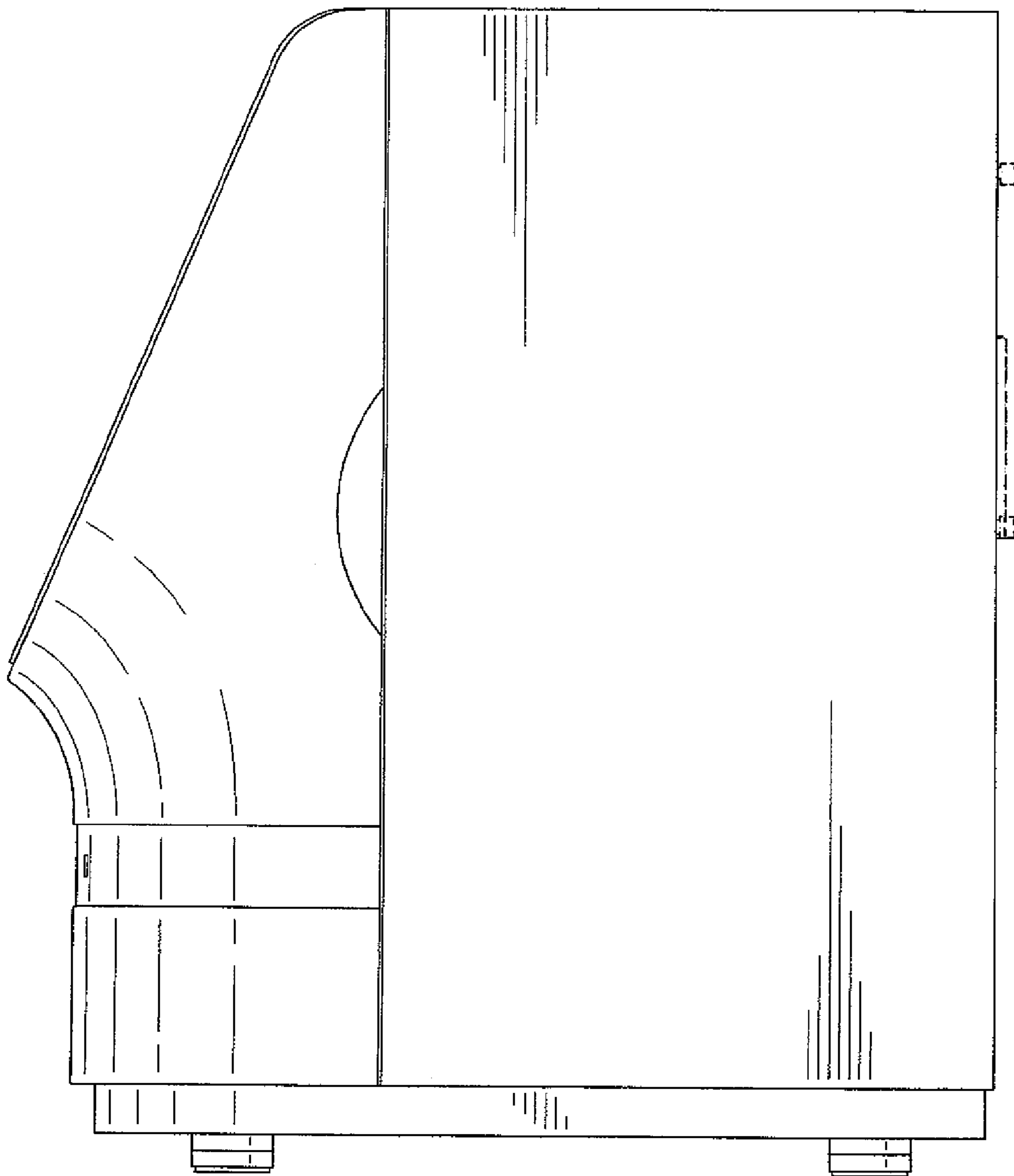


FIG. 7