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

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(54) **GRATE CLEANING DEVICE**
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(72) Inventor: **Kirk Stecik**, Colliers, WV (US)
(**) Term: **15 Years**
(21) Appl. No.: **29/643,166**

D499,851 S * 12/2004 Kortleven D32/46
D514,763 S * 2/2006 Lyall, III D32/46
D623,372 S * 9/2010 Murray D32/46
D648,784 S * 11/2011 Horito D18/56
D735,545 S * 8/2015 Rampling D8/45
D763,645 S * 8/2016 Rampling D8/45
D799,132 S * 10/2017 Kruger D32/46
D819,287 S * 5/2018 King D32/46
2014/0201937 A1 * 7/2014 Ashe A47L 13/46
15/244.1
2018/0228339 A1 * 8/2018 Stecik A47L 13/34

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(51) **LOC (11) Cl.** **07-05**
(52) **U.S. Cl.**
USPC **D32/46**
(58) **Field of Classification Search**
USPC D32/40-43, 46; D8/45; D18/56
CPC A47L 13/12; A47L 13/34; A47L 13/10;
A46B 7/00; A46B 5/00
See application file for complete search history.

FOREIGN PATENT DOCUMENTS

GB 2070922 * 5/1998

* cited by examiner

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(56) **References Cited**

U.S. PATENT DOCUMENTS

D117,388 S * 10/1939 Woinarovicz D32/46
D232,618 S * 9/1974 Newell D32/40
D279,201 S * 6/1985 Shuman D20/10
D343,559 S * 1/1994 Liberty D8/45
D348,072 S * 6/1994 Benham D15/5
D350,232 S * 9/1994 Stangarone D32/42
D358,011 S * 5/1995 Decarli D32/46
D360,506 S * 7/1995 McPherson D32/46
D366,565 S * 1/1996 Harper D32/42
D372,273 S * 7/1996 Egan D20/42
D389,619 S * 1/1998 McLeod D32/35
D392,783 S * 3/1998 Eastman D20/42
D398,109 S * 9/1998 Tesoriero D28/7
D487,685 S * 3/2004 Zeilinger D32/46

(57) **CLAIM**

The ornamental design for a grate cleaning device, as shown and described.

DESCRIPTION

FIG. 1 shows a perspective view of the grate cleaning device.

FIG. 2 shows a front view of the grate cleaning device.

FIG. 3 shows a rear view of the grate cleaning device.

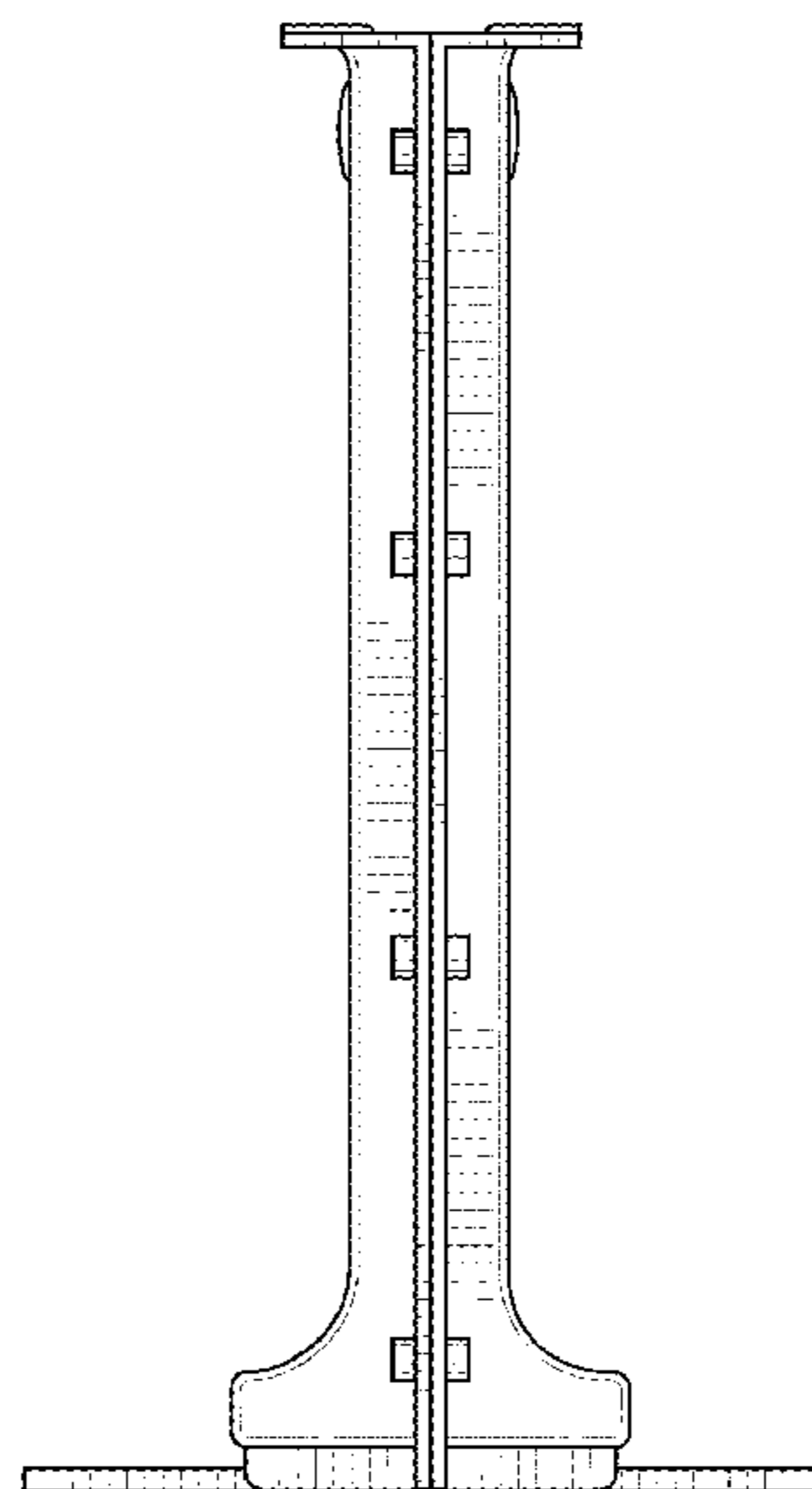
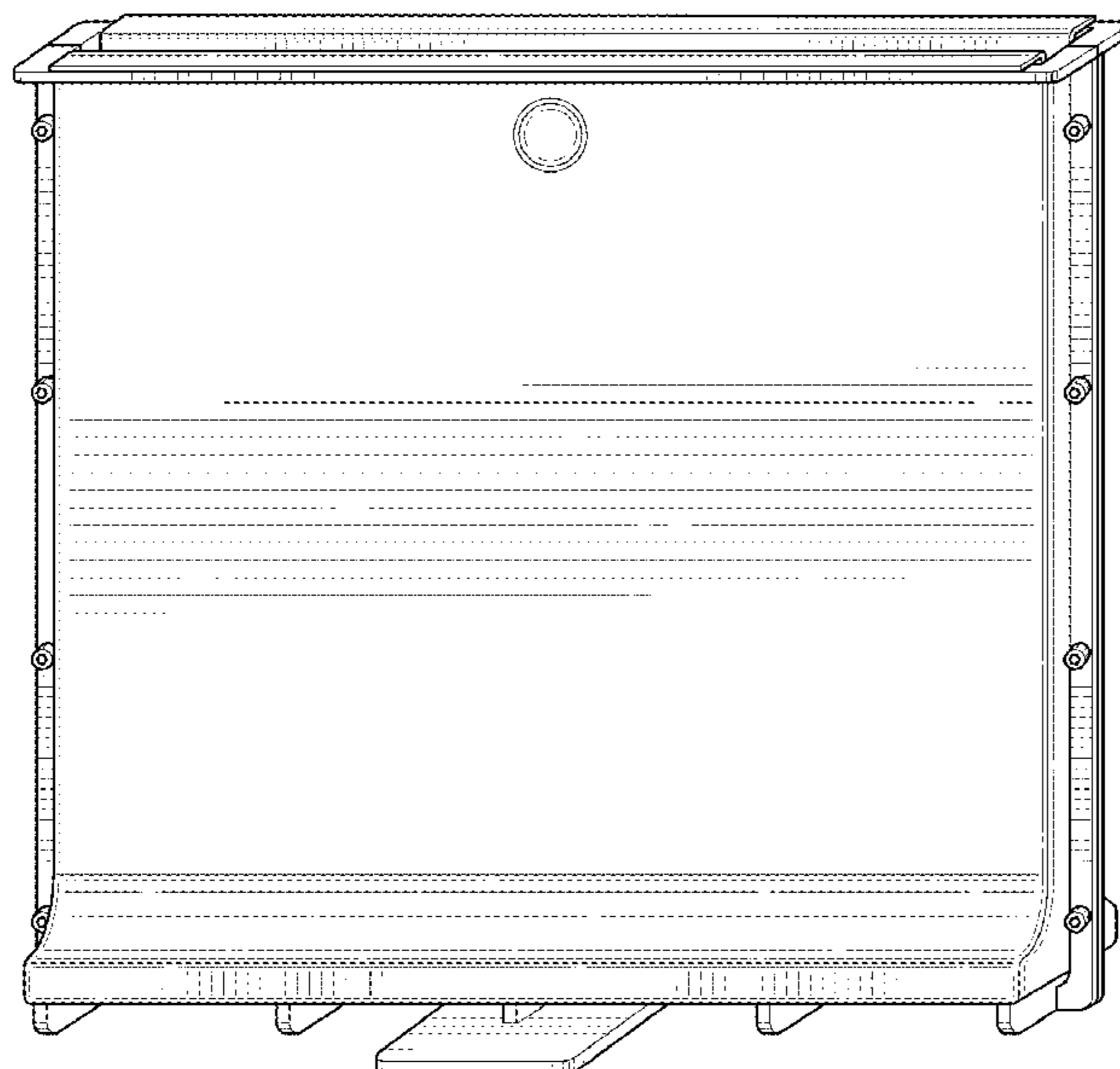
FIG. 4 shows a right side view of the grate cleaning device.

FIG. 5 shows a left side view of the grate cleaning device.

FIG. 6 shows a top view of the grate cleaning device; and,

FIG. 7 shows a bottom view of the grate cleaning device.

1 Claim, 6 Drawing Sheets



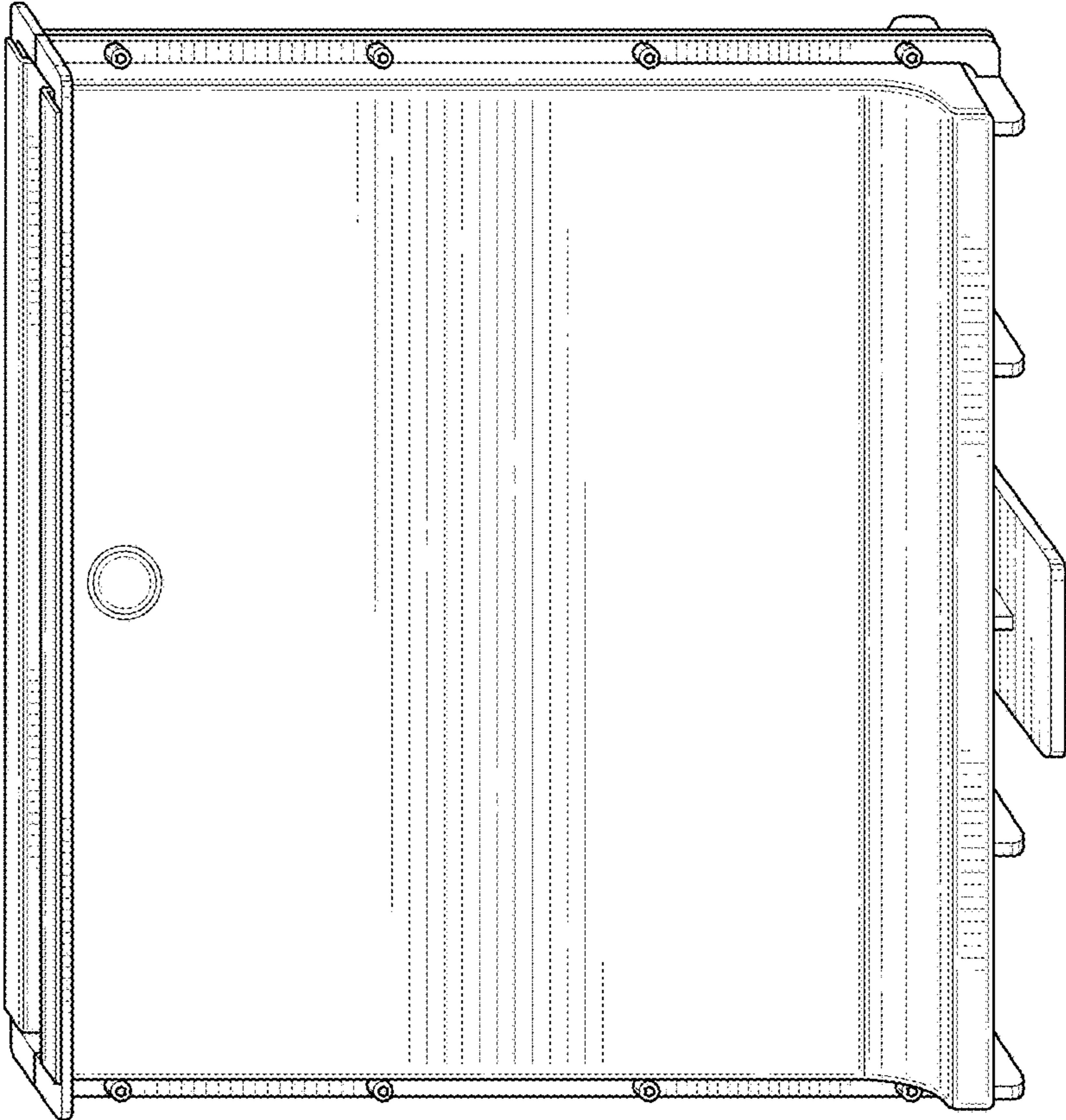


FIG. 1

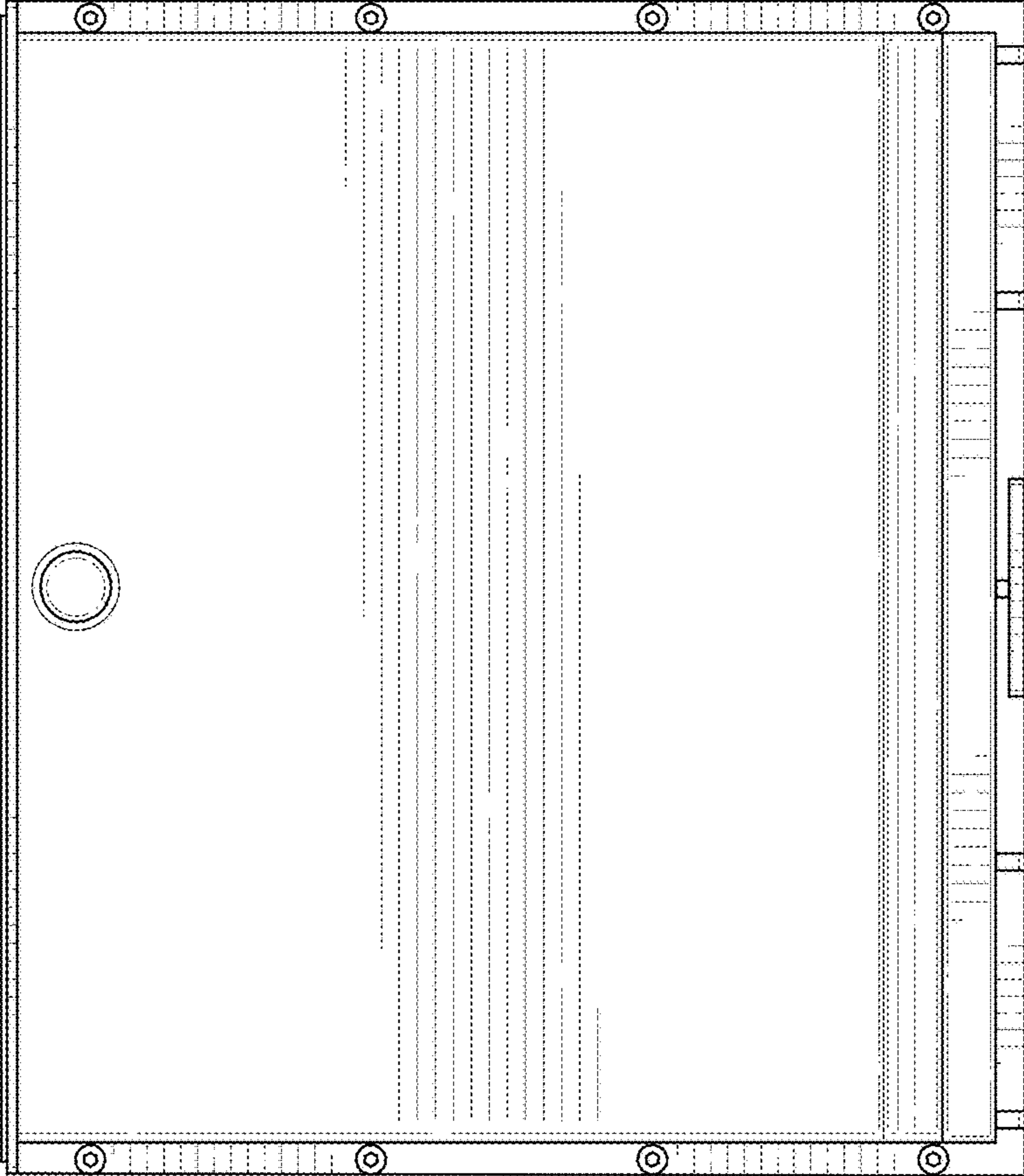


FIG. 2

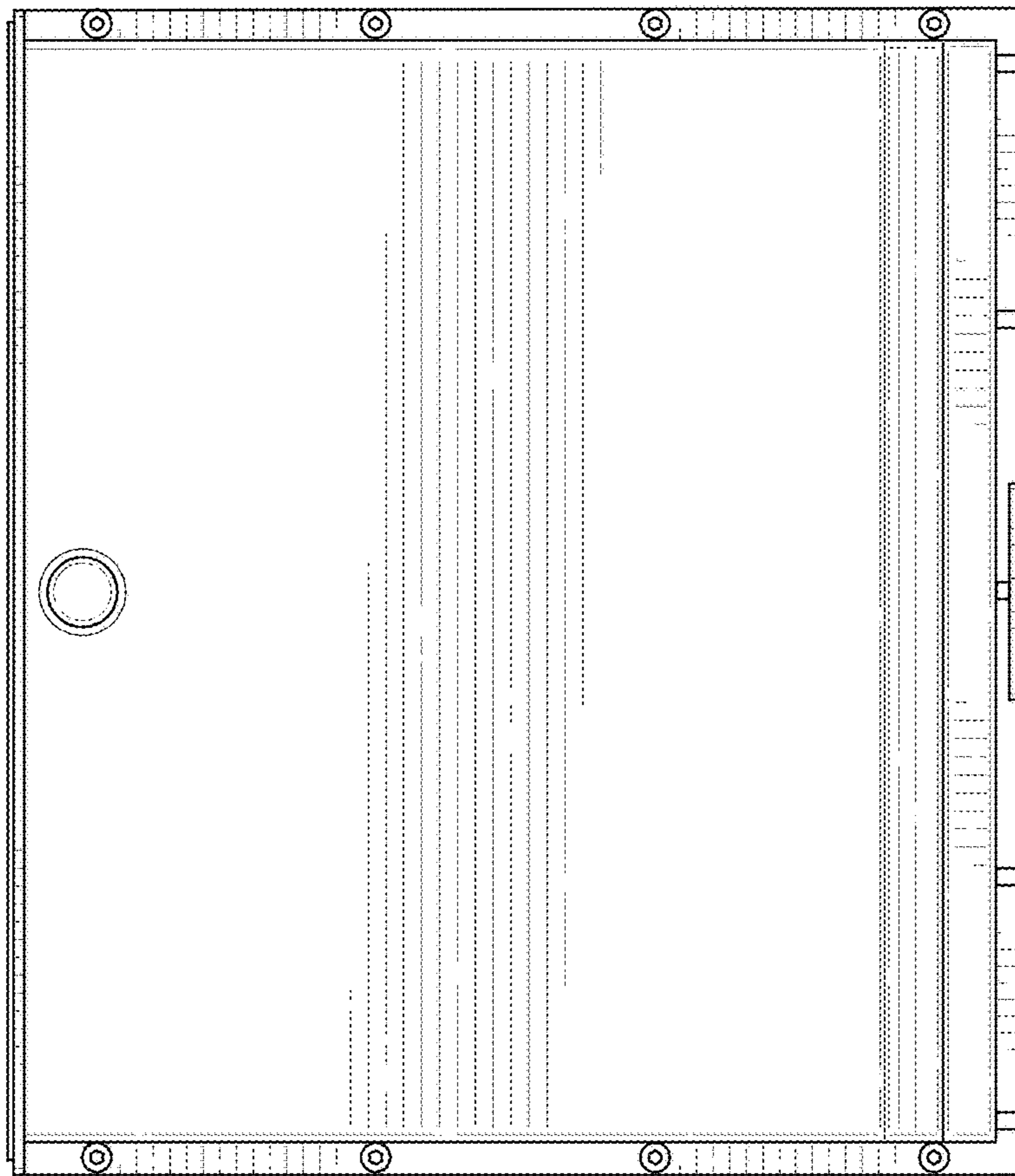


FIG. 3

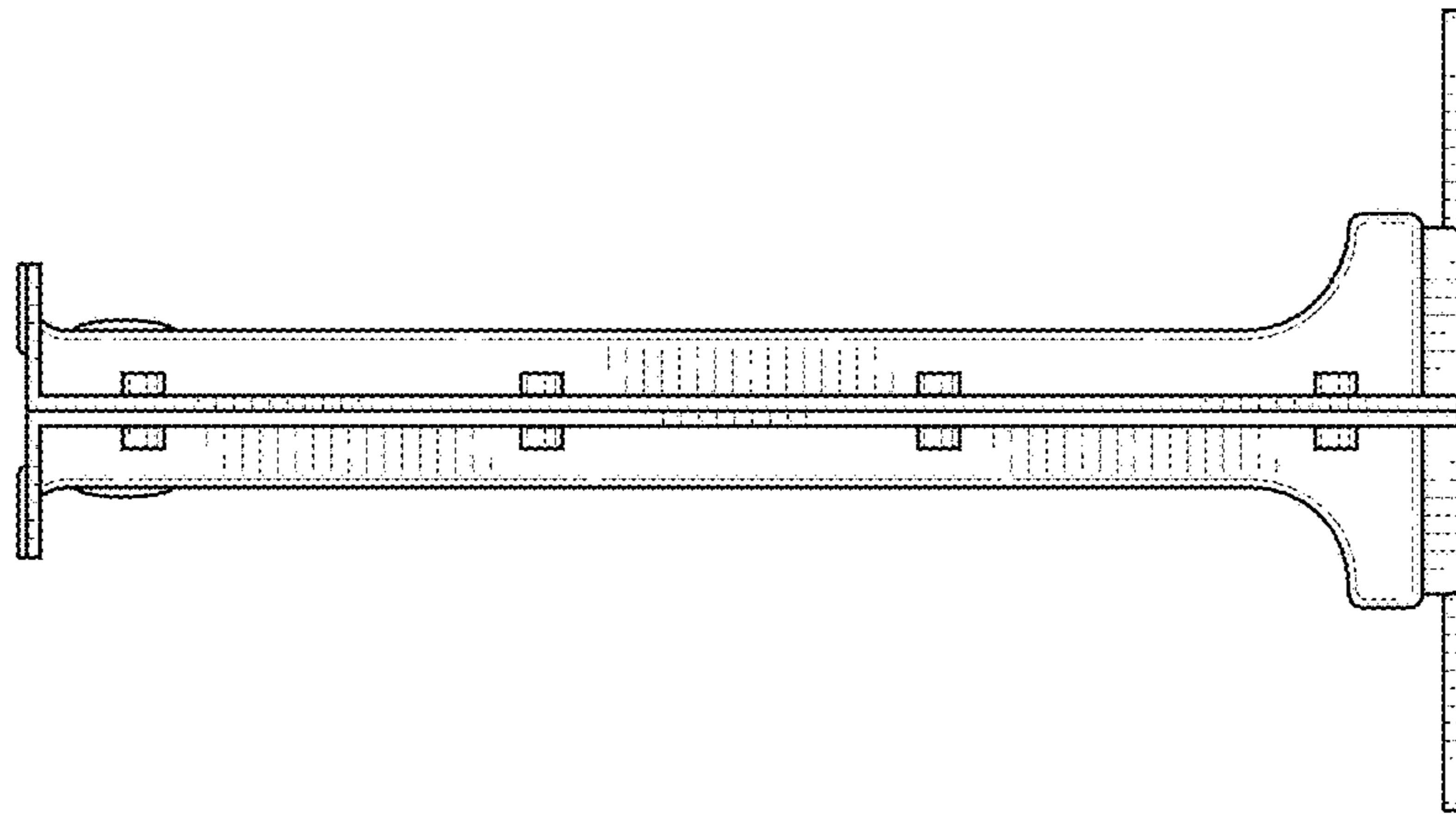


FIG. 5

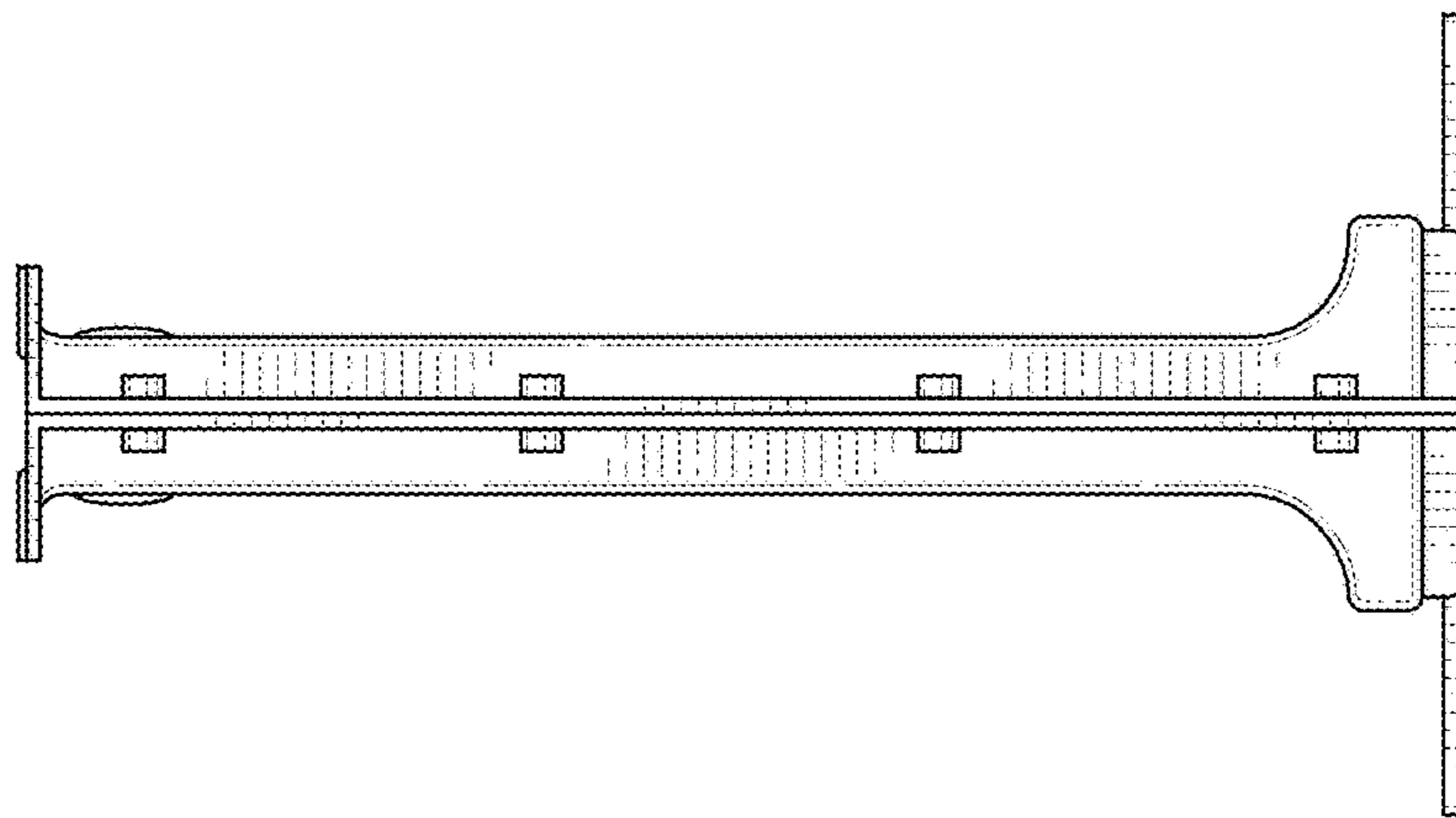


FIG. 4

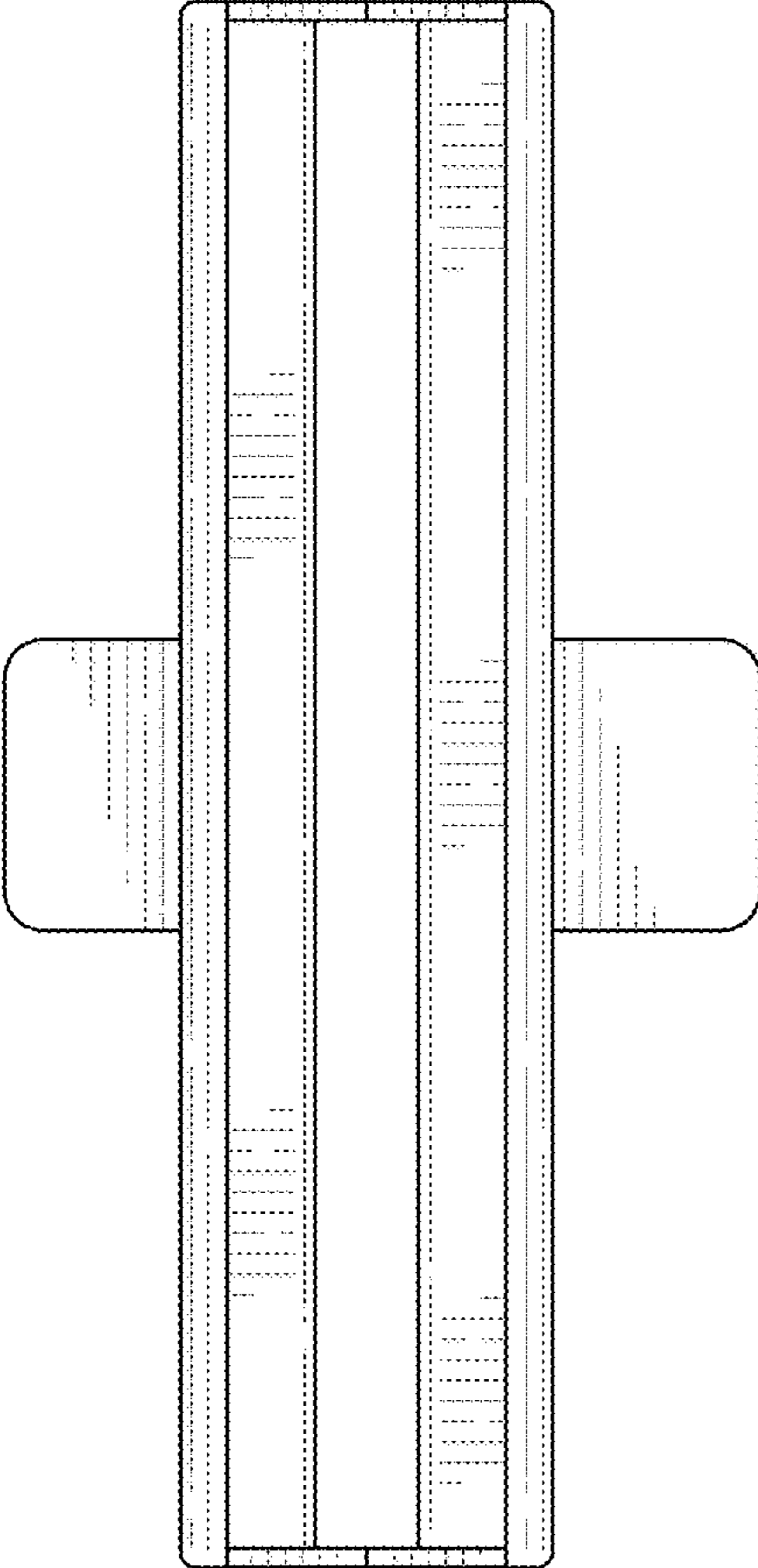


FIG. 6

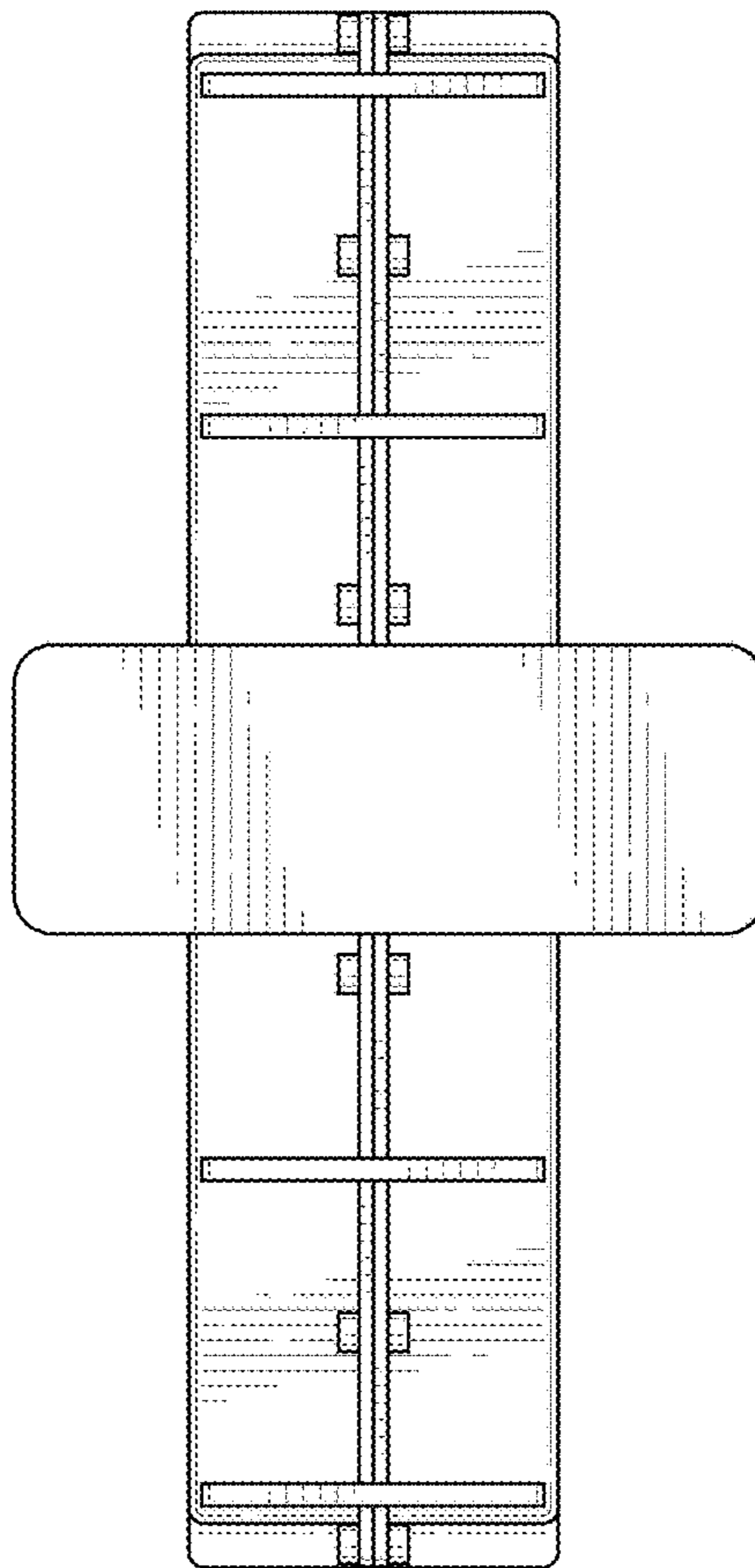


FIG. 7