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

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(54) **GRATE CLEANING DEVICE**

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

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(52) **U.S. Cl.**  
USPC ..... **D32/46**

(58) **Field of Classification Search**  
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CPC ..... A47L 13/12; A47L 13/34; A47L 13/10;  
A46B 7/00; A46B 5/00  
See application file for complete search history.

(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

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	Ramplng	.....	D8/45
D763,645 S *	8/2016	Ramplng	.....	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

**FOREIGN PATENT DOCUMENTS**

GB 2070922 \* 5/1998

\* cited by examiner

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(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.

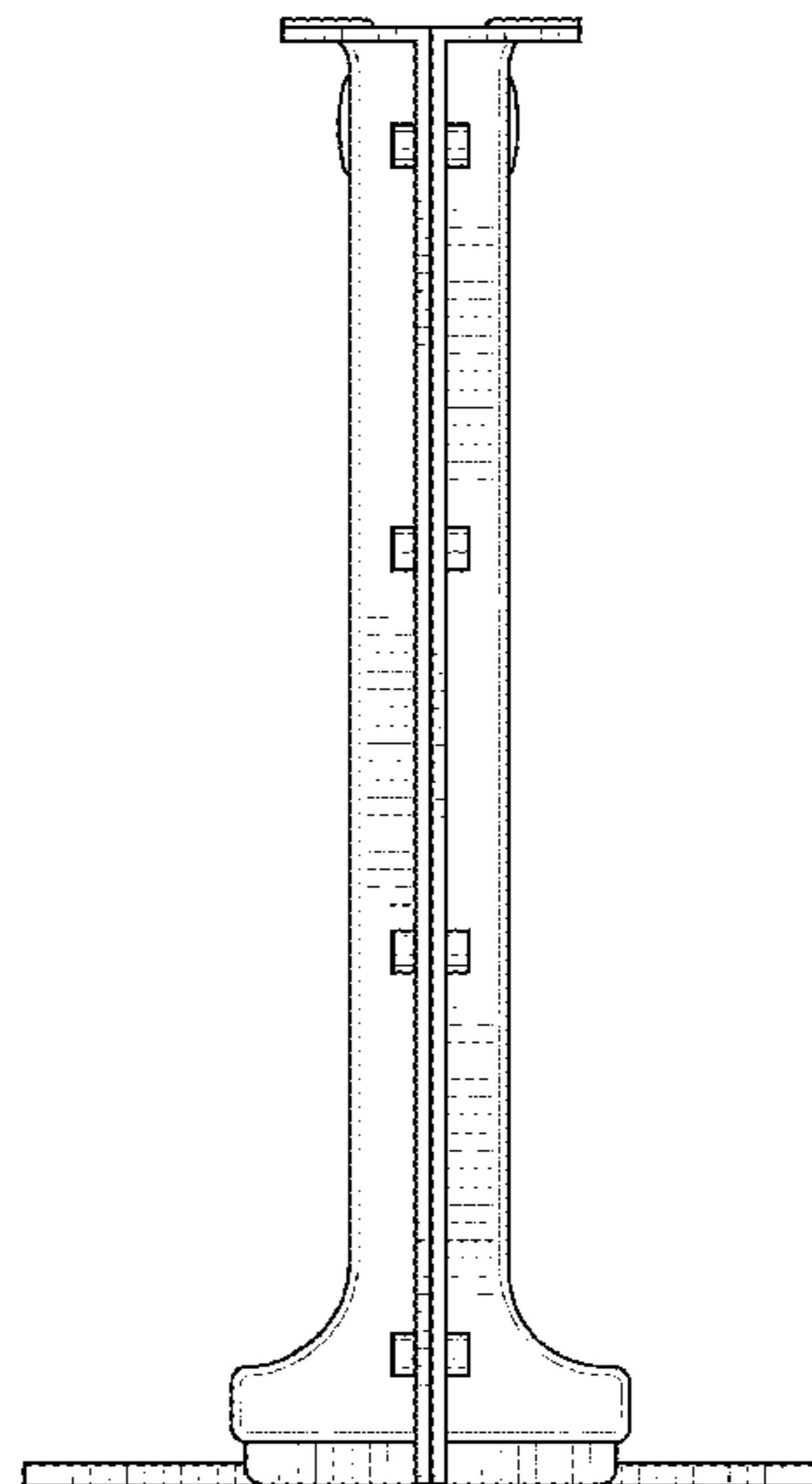
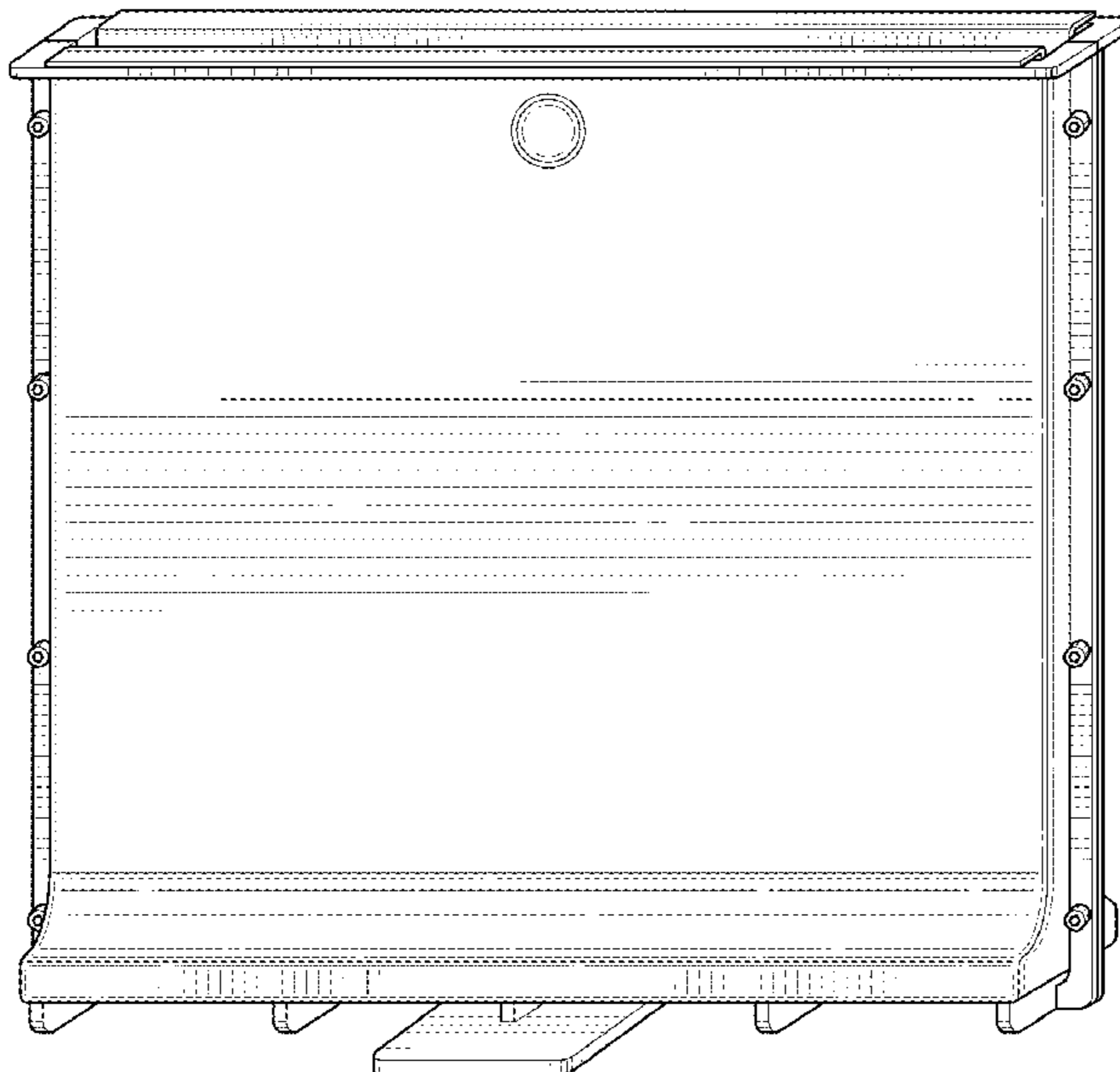
FIG. 4 shows a right side view of the grate cleaning device.

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**



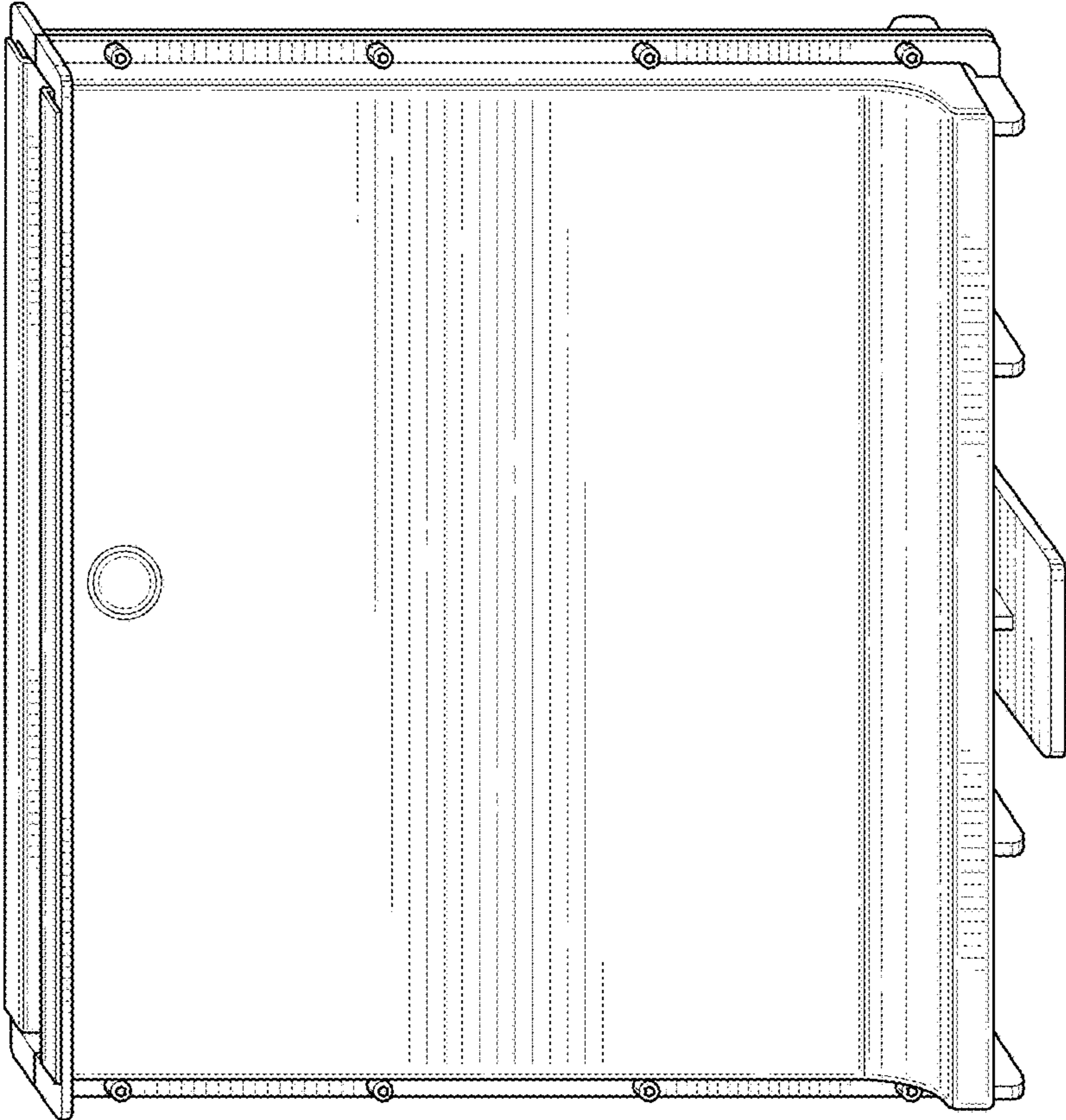


FIG. 1

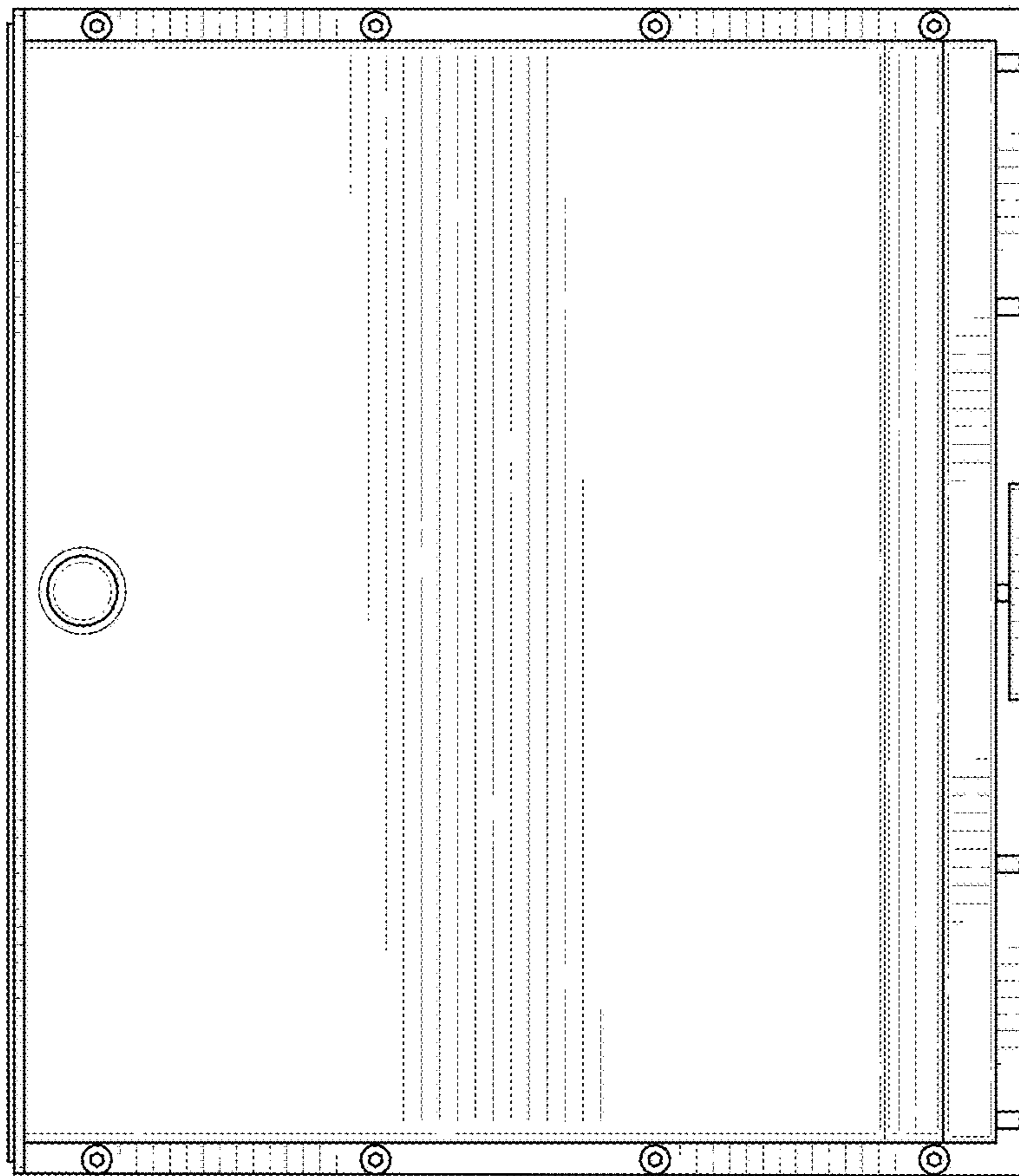


FIG. 2

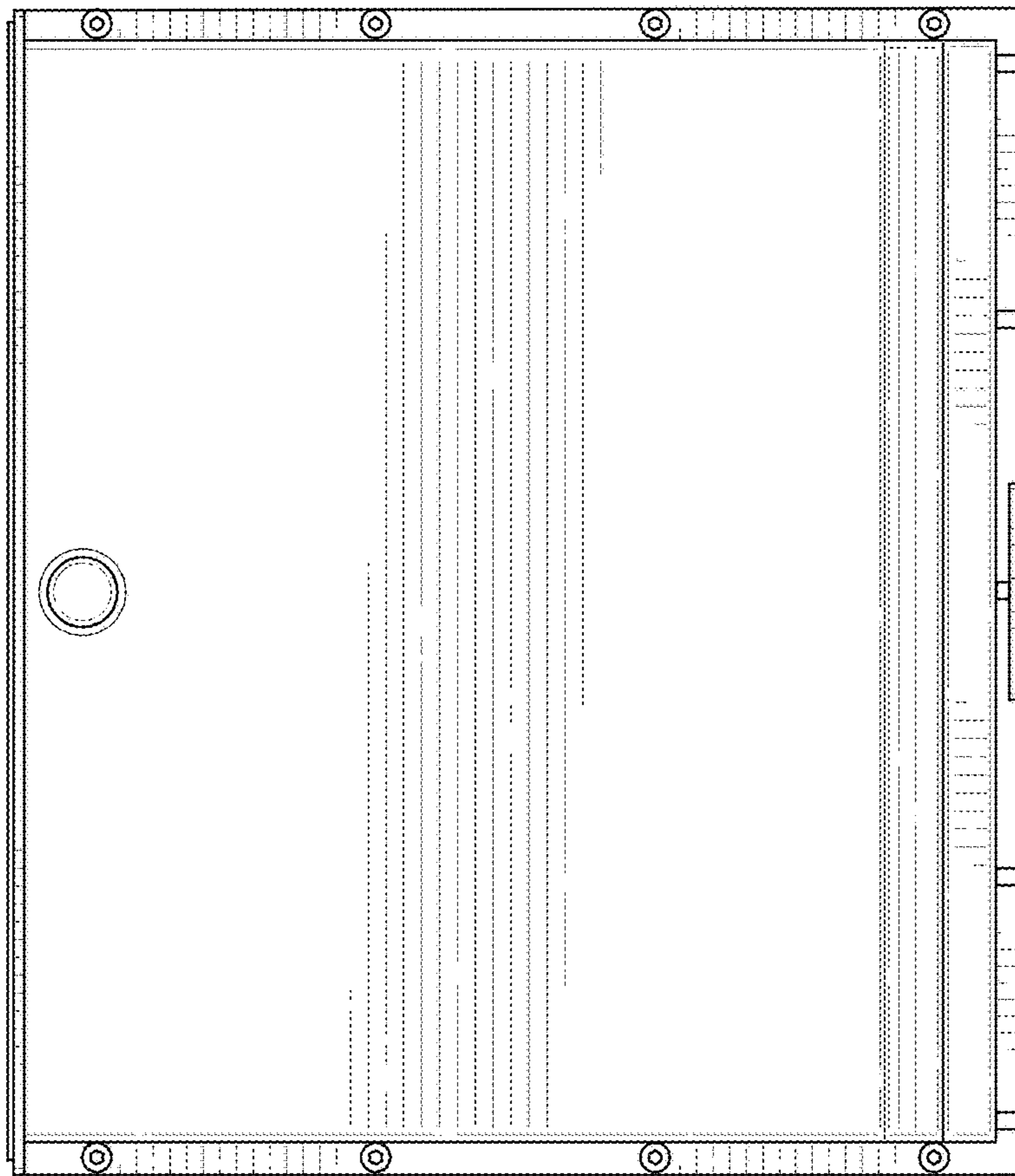


FIG. 3

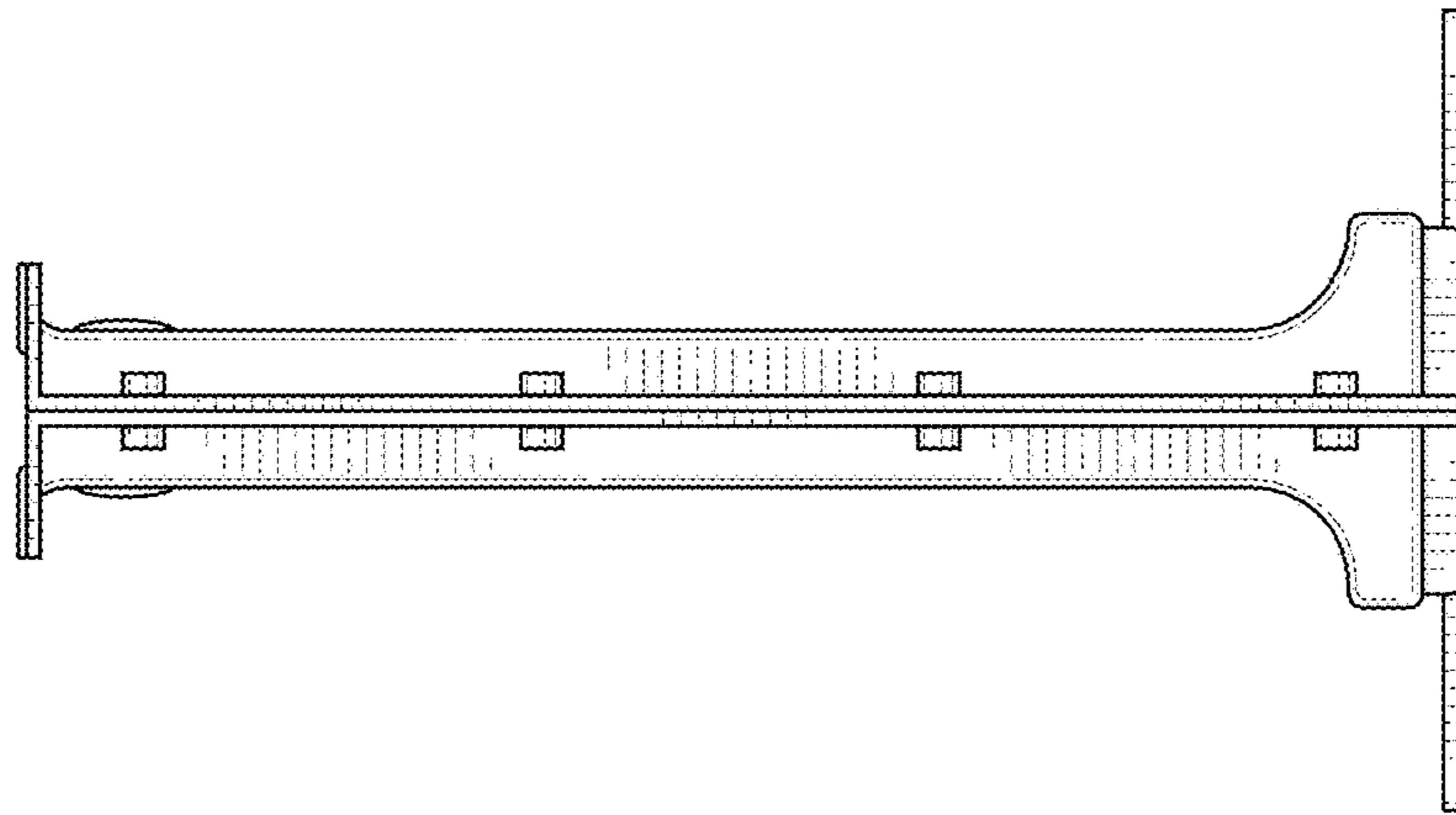


FIG. 5

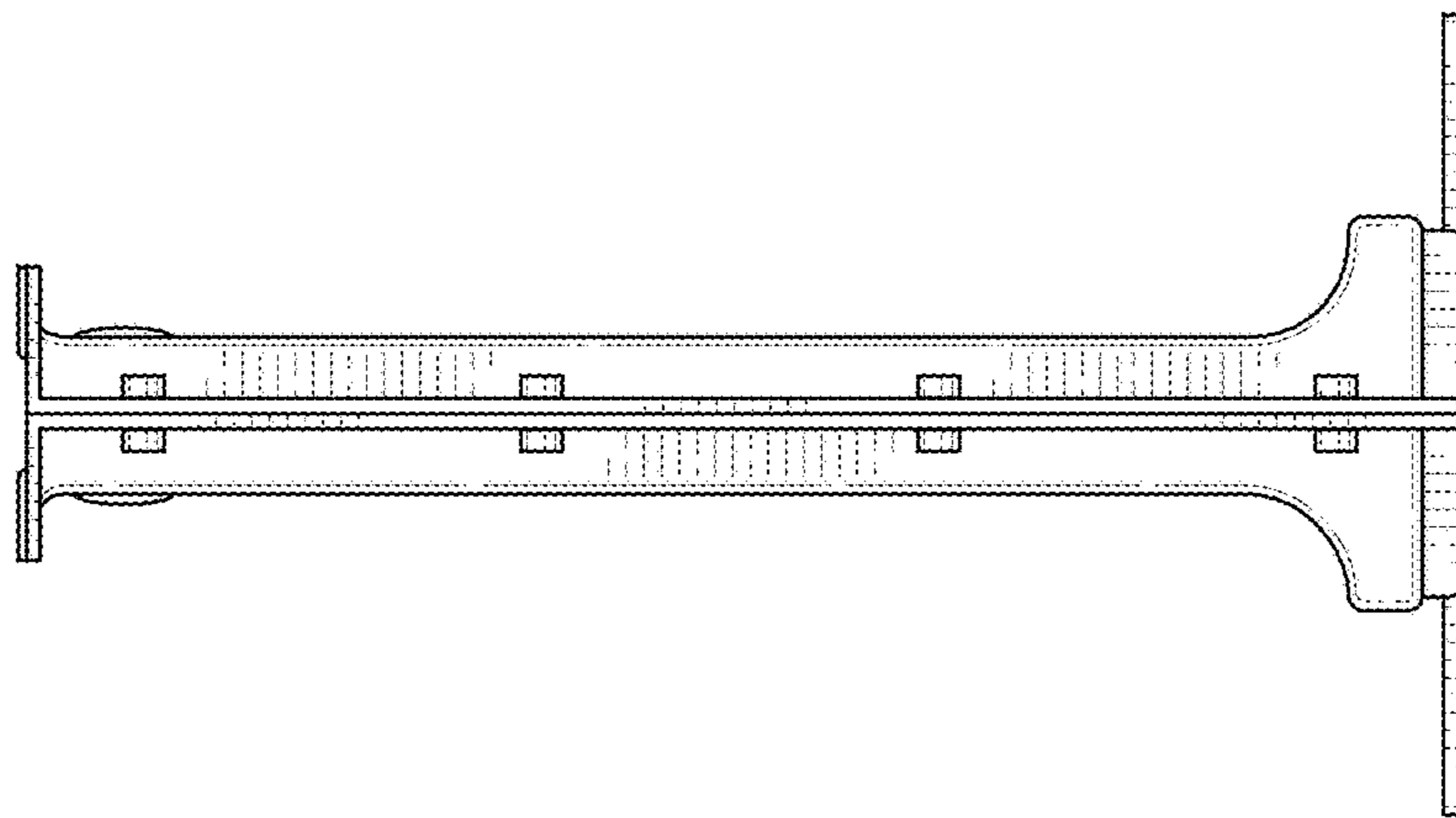


FIG. 4



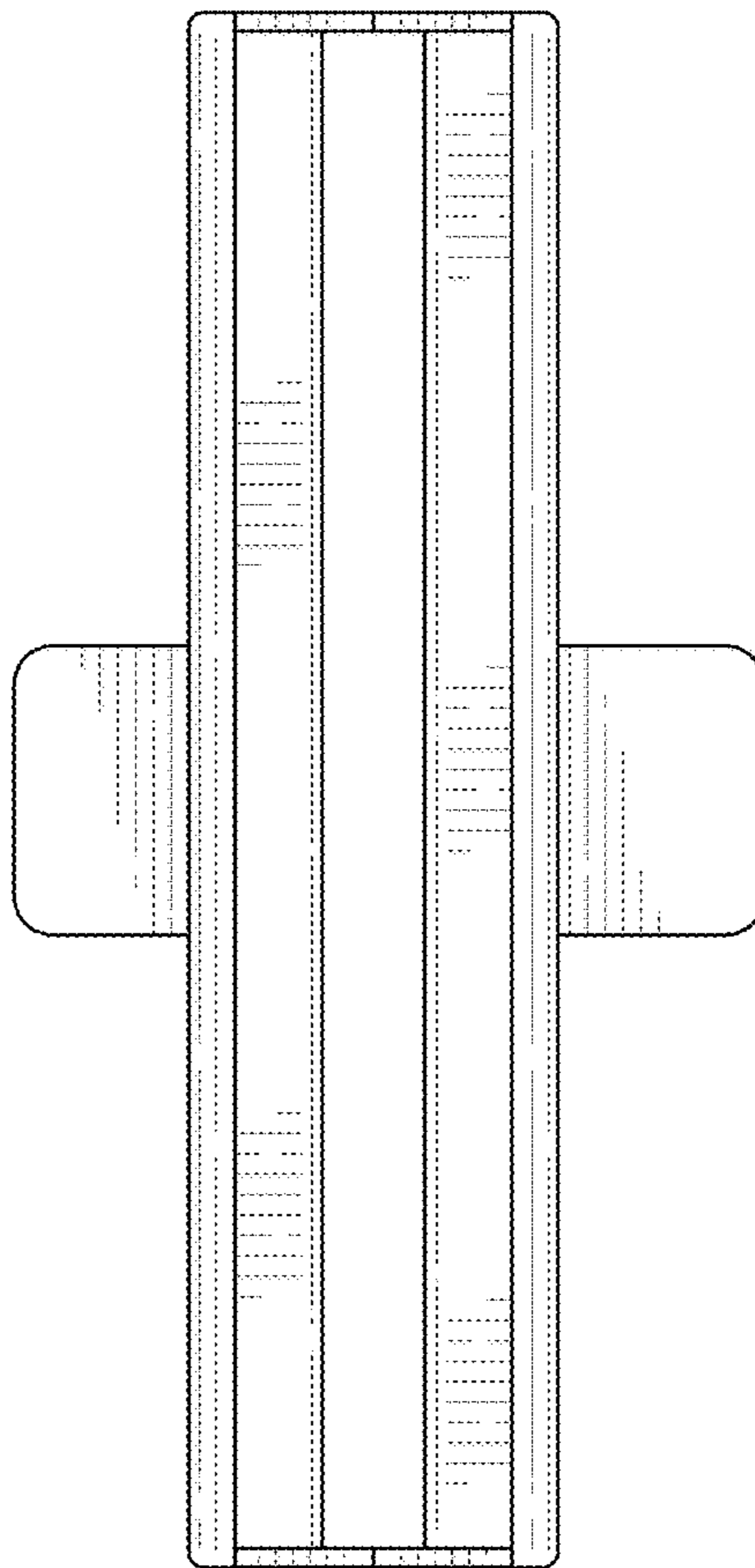


FIG. 6

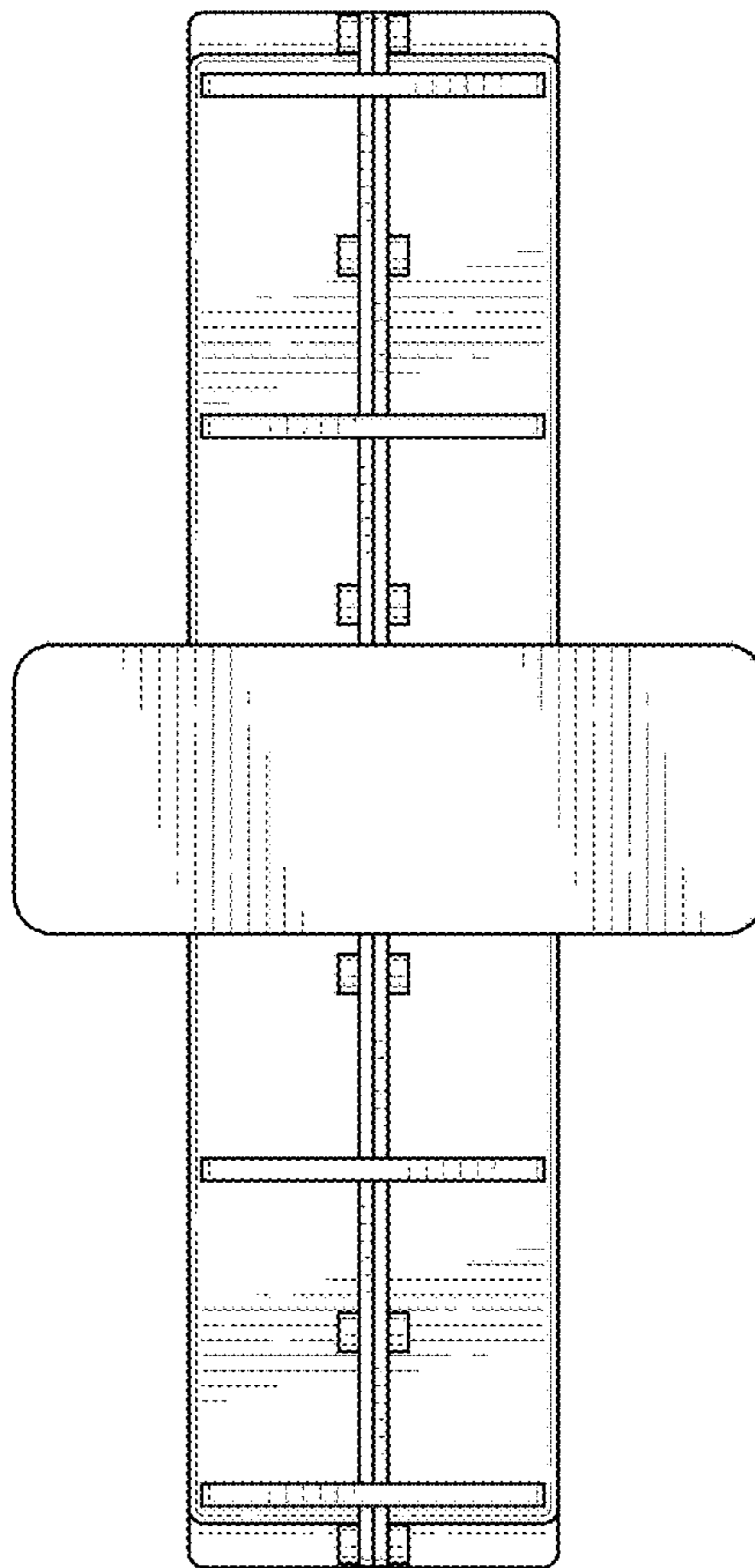


FIG. 7