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

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(54) **UPRIGHT DUST COLLECTOR**

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

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(51) **LOC (14) Cl.** **15-05**

(52) **U.S. Cl.**
USPC **D32/21**

(58) **Field of Classification Search**
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CPC A47L 7/0071; A47L 9/1683; A47L 5/00;
A47L 5/02; A47L 5/12; A47L 5/36; A47L
5/365; A47L 7/0047; A47L 7/0095; A47L
9/122; A47L 9/1691
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,097,255	A *	6/1978	Samolis	.....	B01D 46/04 55/294
4,820,320	A *	4/1989	Cox	.....	B01D 46/0005 55/508
6,368,388	B1 *	4/2002	Kosmider	.....	B01D 46/64 55/508
D527,852	S *	9/2006	Tsai	.....	D32/21
D531,769	S *	11/2006	Lin	.....	D32/21
D533,694	S *	12/2006	Cheng	.....	D32/21
D549,892	S *	8/2007	Lin	.....	D32/21
7,404,839	B2 *	7/2008	Modesto	.....	B01D 46/0004 55/480

D634,082	S *	3/2011	Lin	.....	D32/21
D638,179	S *	5/2011	Witter	.....	D32/21
D651,775	S *	1/2012	Cheng	.....	D32/21
D651,776	S *	1/2012	Cheng	.....	D32/21
D804,116	S *	11/2017	Cheng	.....	D32/21
D805,266	S *	12/2017	Cheng	.....	D32/21
9,849,417	B2 *	12/2017	Brisebois	.....	B01D 46/023
D815,375	S *	4/2018	Cheng	.....	D32/21
D927,104	S *	8/2021	Fitzsimmons	.....	D32/21
11,266,938	B2 *	3/2022	Cheng	.....	B01D 46/10
11,311,830	B2 *	4/2022	Cheng	.....	B01D 46/0045
D965,931	S *	10/2022	Rajput	.....	D32/23
2014/0238240	A1 *	8/2014	Raether	.....	B01D 46/58 55/495
2016/0271543	A1 *	9/2016	Vincent	.....	B01D 46/71
2019/0255476	A1 *	8/2019	Silvestro	.....	B01D 46/4227
2019/0299141	A1 *	10/2019	Cheng	.....	B01D 45/16
2020/0384400	A1 *	12/2020	Castano	B01D 46/58
2022/0031135	A1 *	2/2022	Cheng	A47L 9/1683

* cited by examiner

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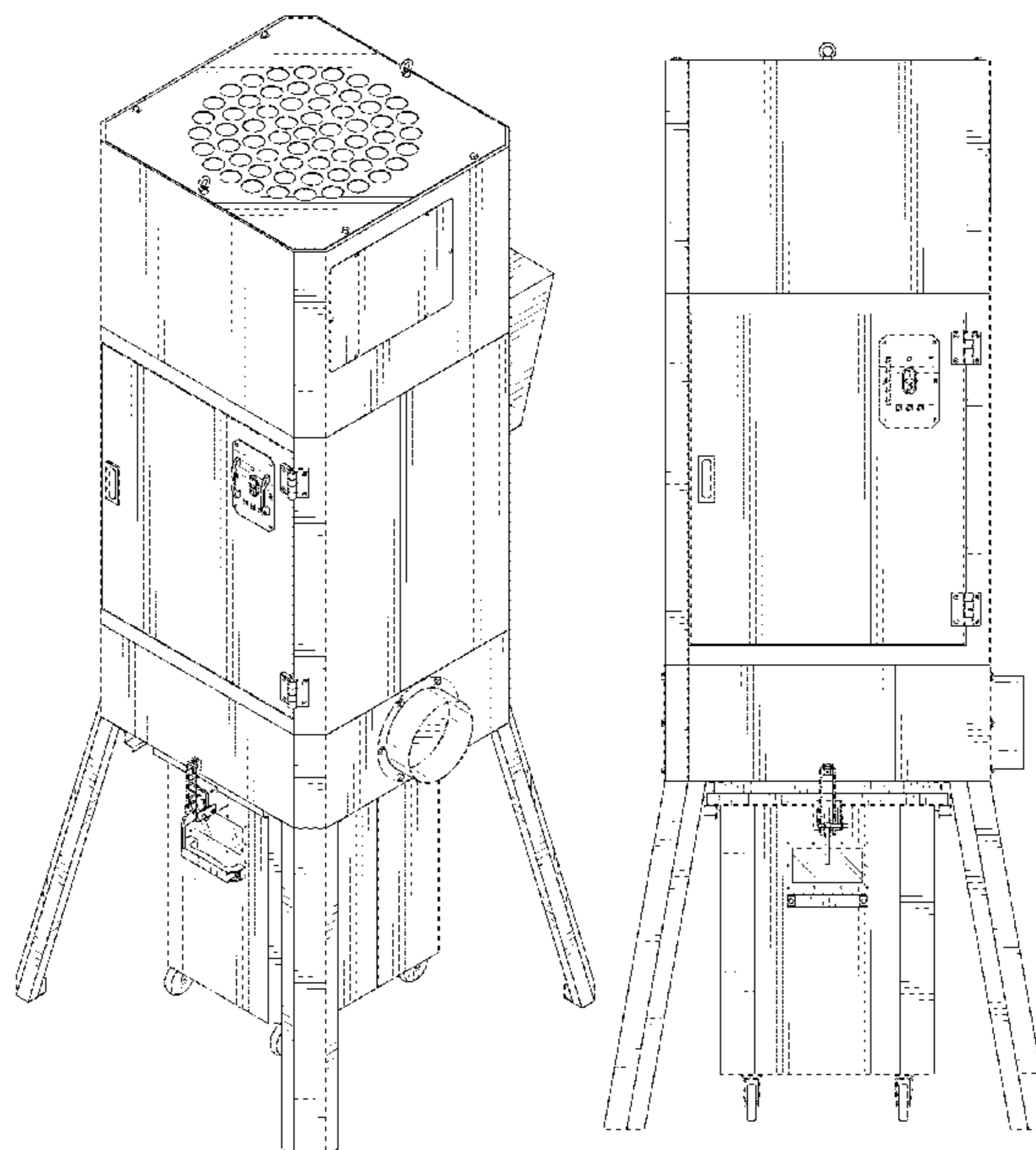
(57) **CLAIM**

The ornamental design for an upright dust collector, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of an upright dust collector showing my new design;
FIG. 2 is a front elevational view thereof;
FIG. 3 is a rear elevational view thereof;
FIG. 4 is a left side elevational view thereof;
FIG. 5 is a right side elevational view thereof;
FIG. 6 is a top plan view thereof; and,
FIG. 7 is a bottom plan view thereof.

1 Claim, 7 Drawing Sheets



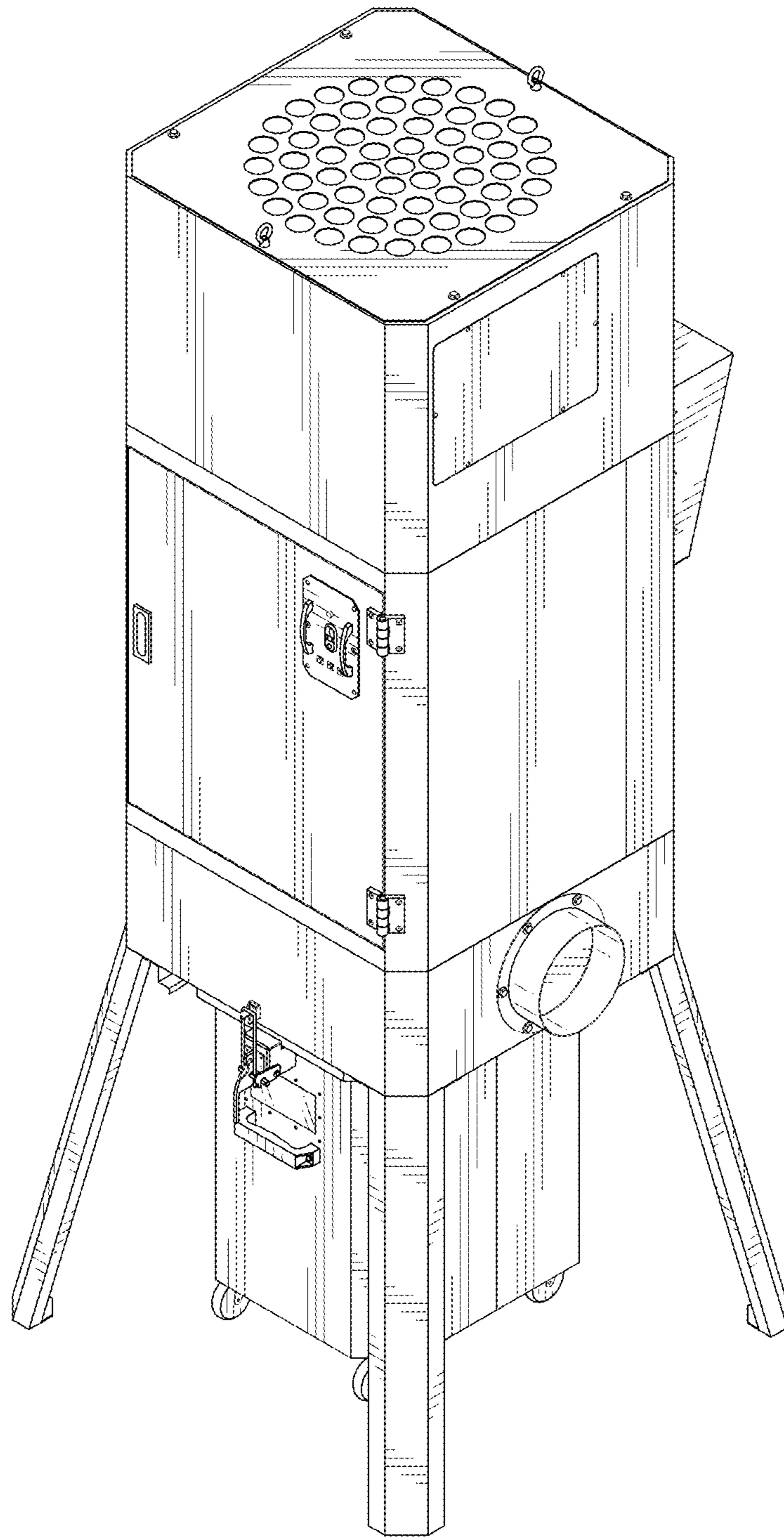


FIG. 1

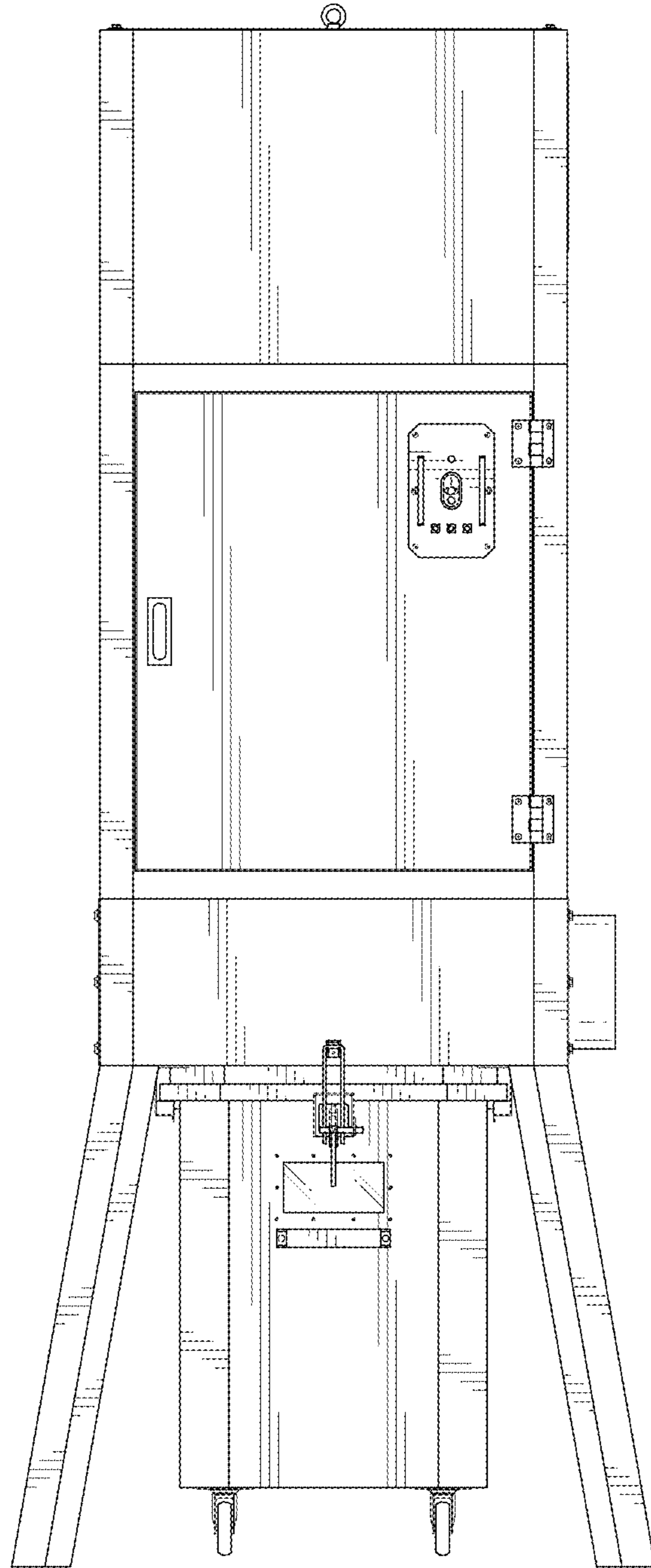


FIG. 2

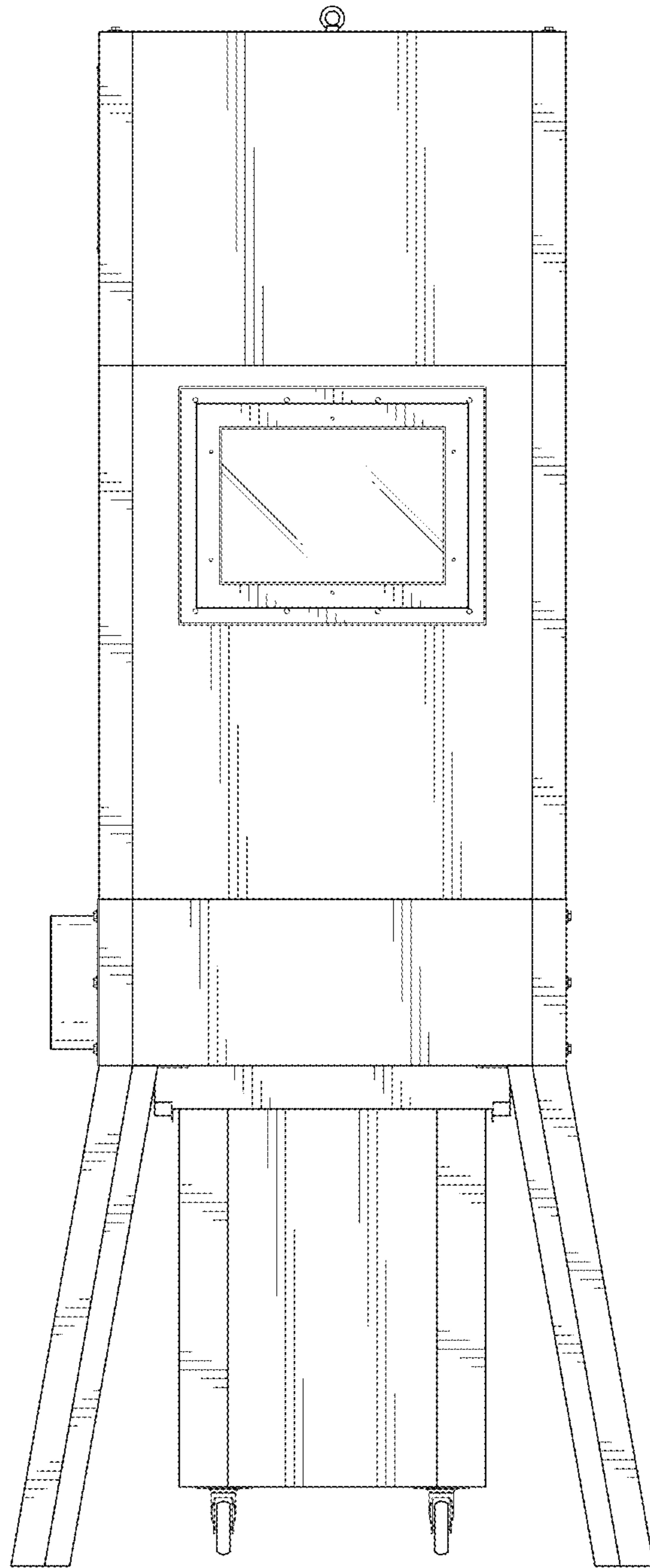


FIG. 3

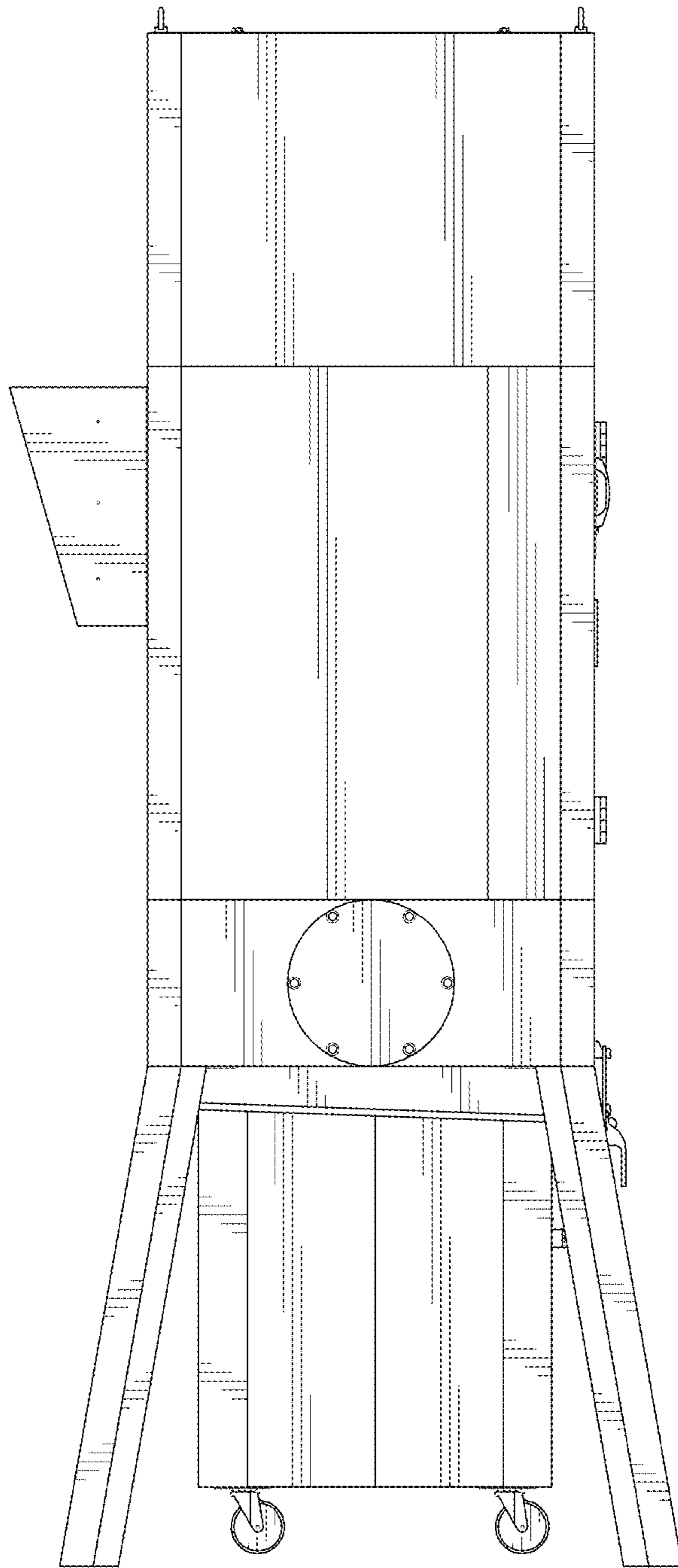


FIG. 4

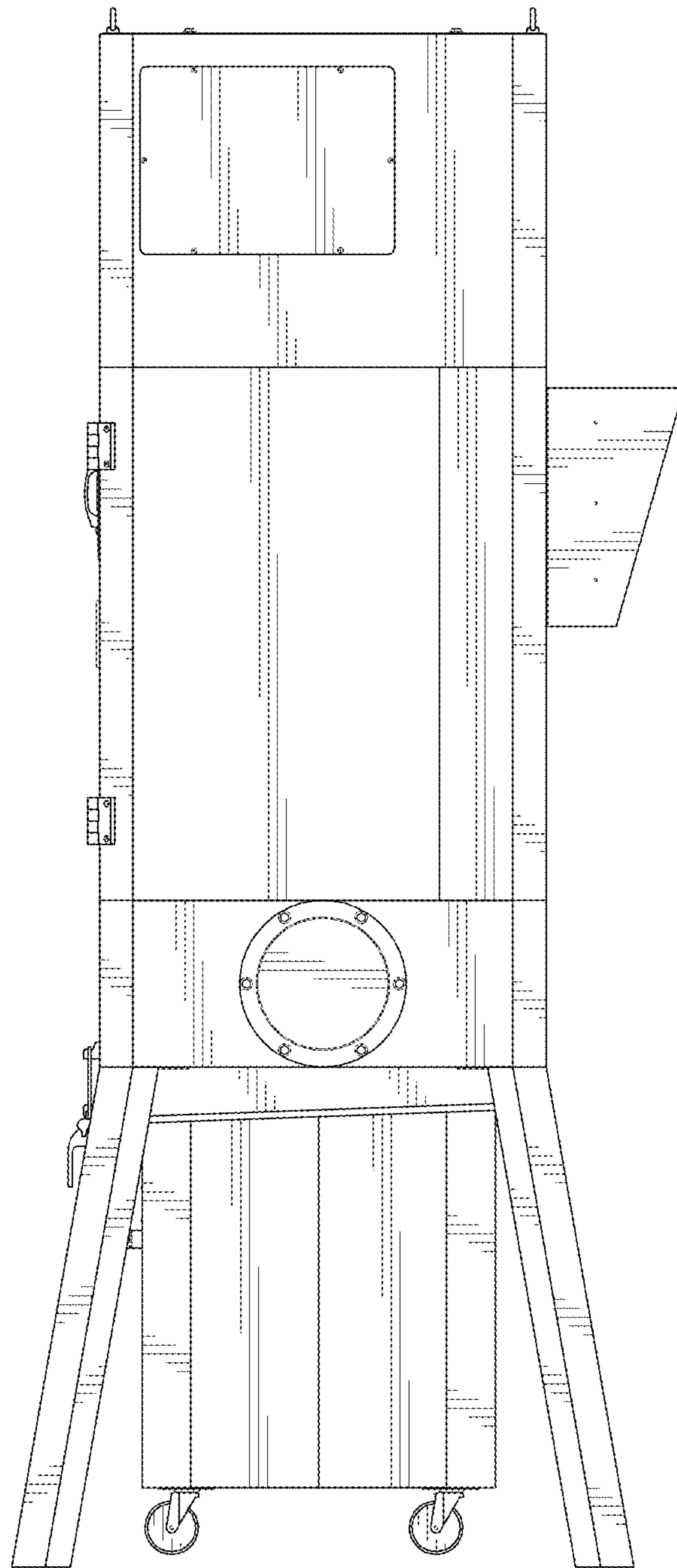


FIG. 5

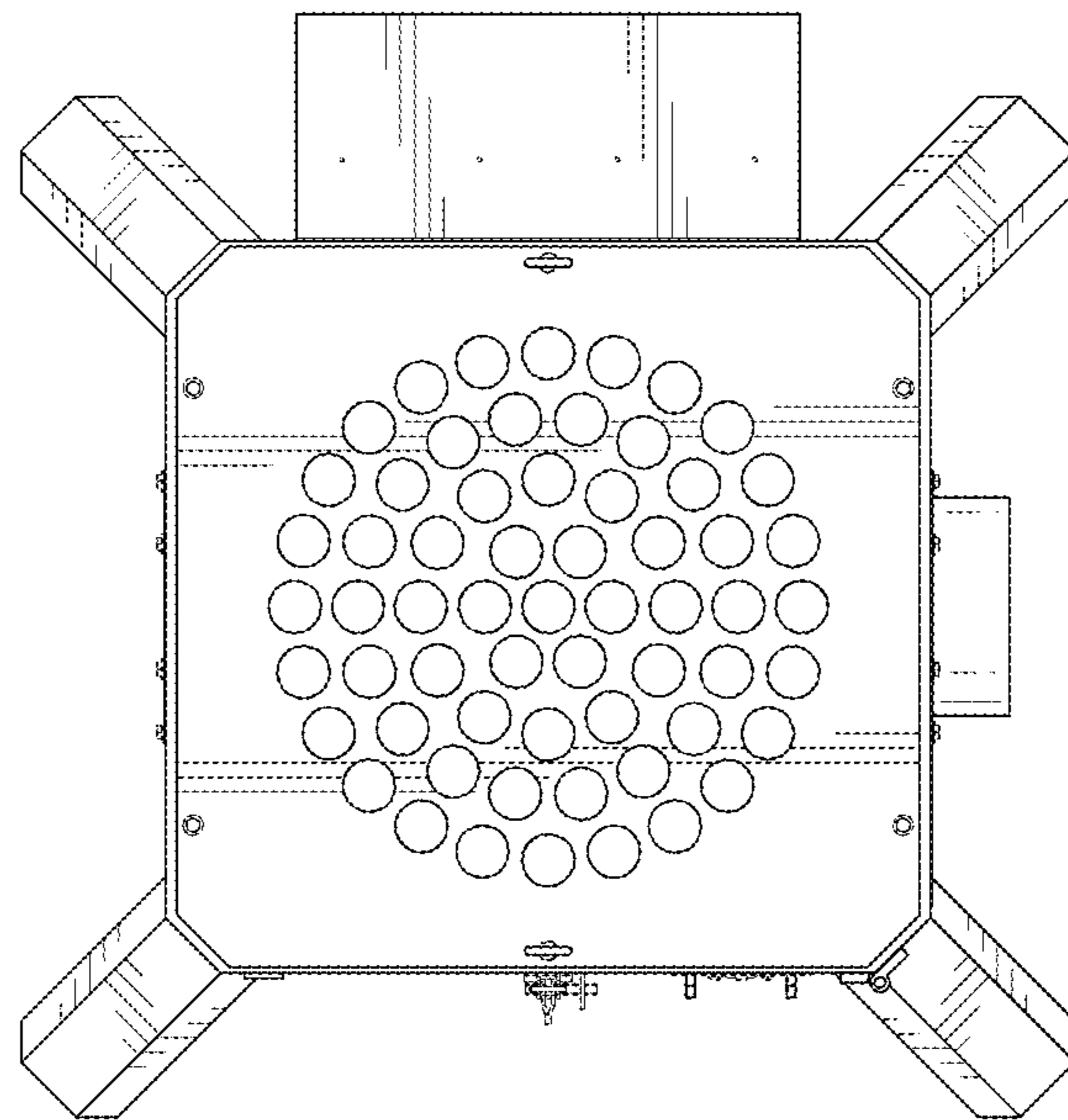


FIG. 6

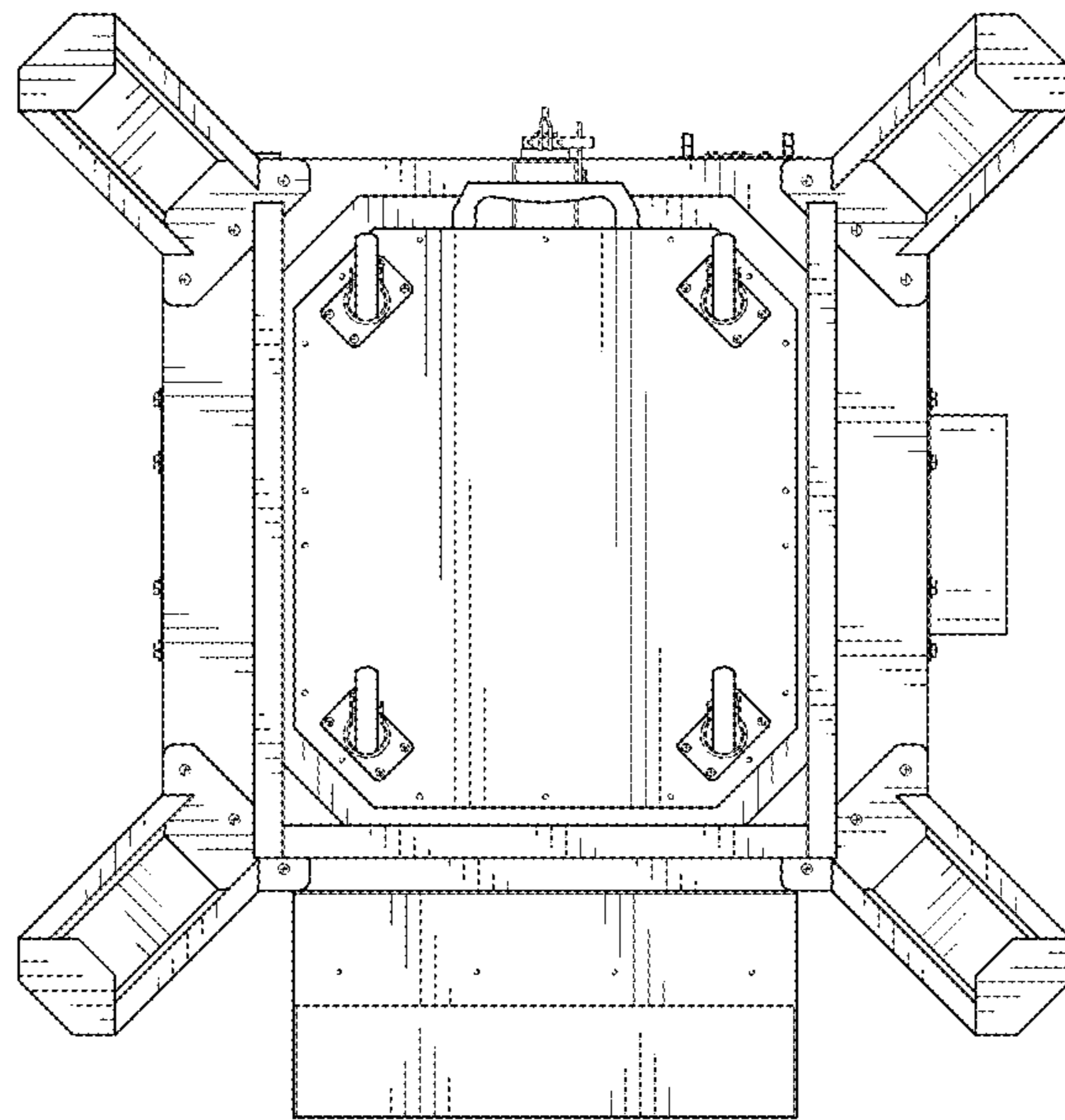


FIG. 7