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

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- (54) **MOBILE ROBOT HAVING A SHAFT-MOUNTED TABLE**
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- (51) **LOC (11) Cl.** **15-99**
- (52) **U.S. Cl.**
USPC **D15/199**
- (58) **Field of Classification Search**
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CPC B25J 9/044; B25J 9/102; G06F 3/0485;
Y10T 74/20305
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D215,981 S *	11/1969	Schubert	.....	D24/158
D273,892 S *	5/1984	Fenne	.....	D24/158
D298,834 S *	12/1988	Jones	.....	D15/122
D307,028 S *	4/1990	Booker	.....	D15/199
D435,107 S *	12/2000	Blair	.....	D24/186
D509,520 S *	9/2005	Klinke	.....	D15/143
D524,335 S *	7/2006	Klinke	.....	D15/143
D617,906 S *	6/2010	Nakahara	.....	D24/158
D657,875 S *	4/2012	Yanase	.....	D24/158
D675,656 S *	2/2013	Sutherland	.....	D15/199
8,419,276 B2 *	4/2013	Oda	.....	A61B 6/4283 378/198
D690,012 S *	9/2013	Yanase	.....	D24/158
D713,036 S *	9/2014	Sul	.....	D24/158
D714,941 S *	10/2014	Kim	.....	D24/158
D715,940 S *	10/2014	Li	.....	D24/158
D715,941 S *	10/2014	Li	.....	D24/158
D724,738 S *	3/2015	Dorris	.....	D24/158

D735,863 S *	8/2015	Doerre	.....	D24/158
D743,558 S *	11/2015	Kim	.....	D24/158
D764,557 S *	8/2016	Yamada	.....	D15/199
D767,139 S *	9/2016	Liu	.....	D24/158
D769,446 S *	10/2016	Liu	.....	D24/158
D786,439 S *	5/2017	Kim	.....	D24/158
D790,615 S *	6/2017	Nowak	.....	D15/148
D796,679 S *	9/2017	Dekock	.....	D24/158
D805,568 S *	12/2017	Ke	D15/199
2009/0202038 A1 *	8/2009	Wu	A61B 6/4283 378/62

(Continued)

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(57) **CLAIM**

The ornamental design for a mobile robot having a shaft-mounted table, as shown and described.

DESCRIPTION

FIG. 1 is a top view of the mobile robot having a shaft-mounted table.

FIG. 2 is a bottom view thereof.

FIG. 3 is a back view thereof.

FIG. 4 is a front view thereof.

FIG. 5 is a side view thereof.

FIG. 6 is a side view of the mobile robot with the shaft-mounted table lowered at a middle height.

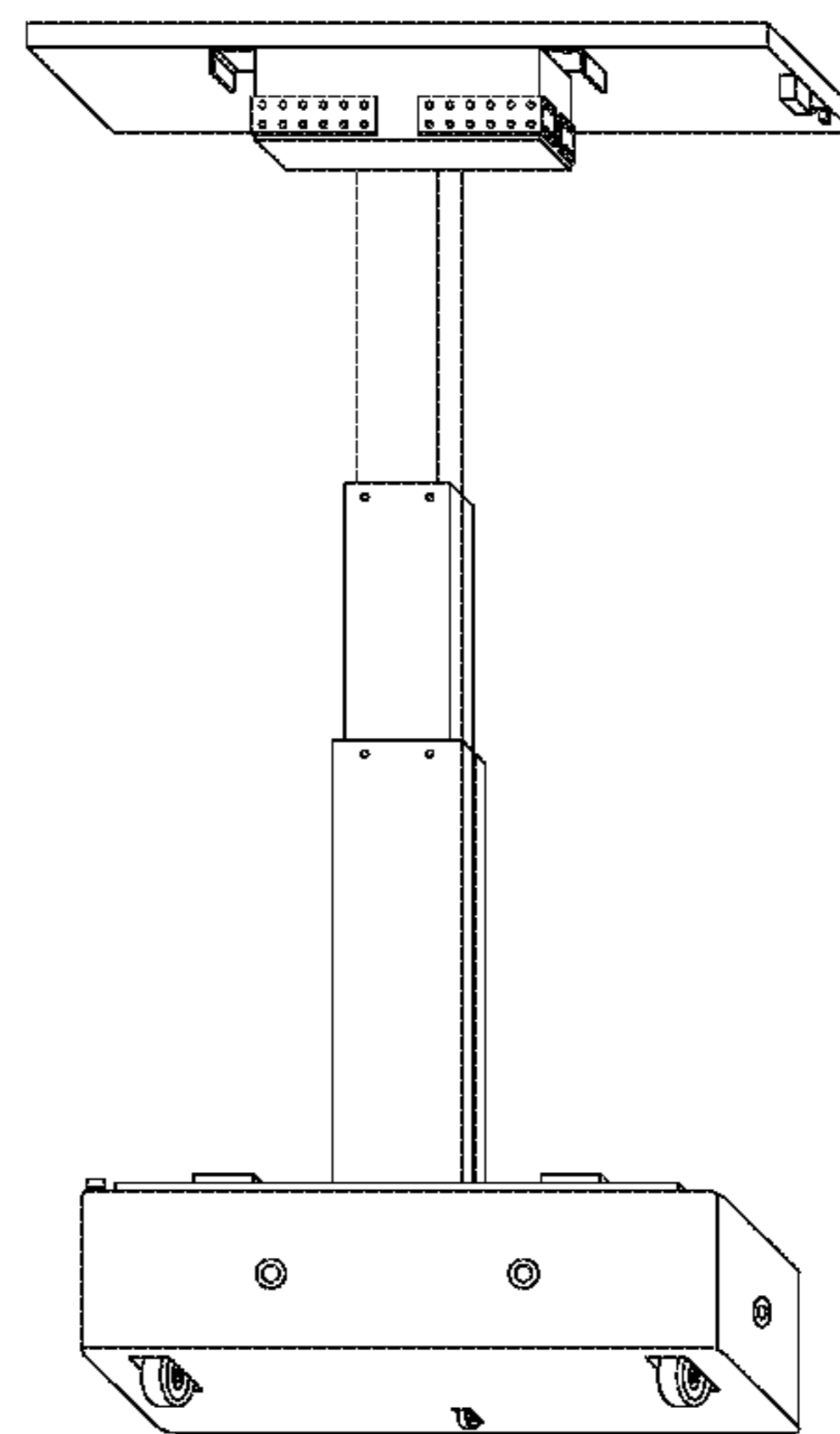
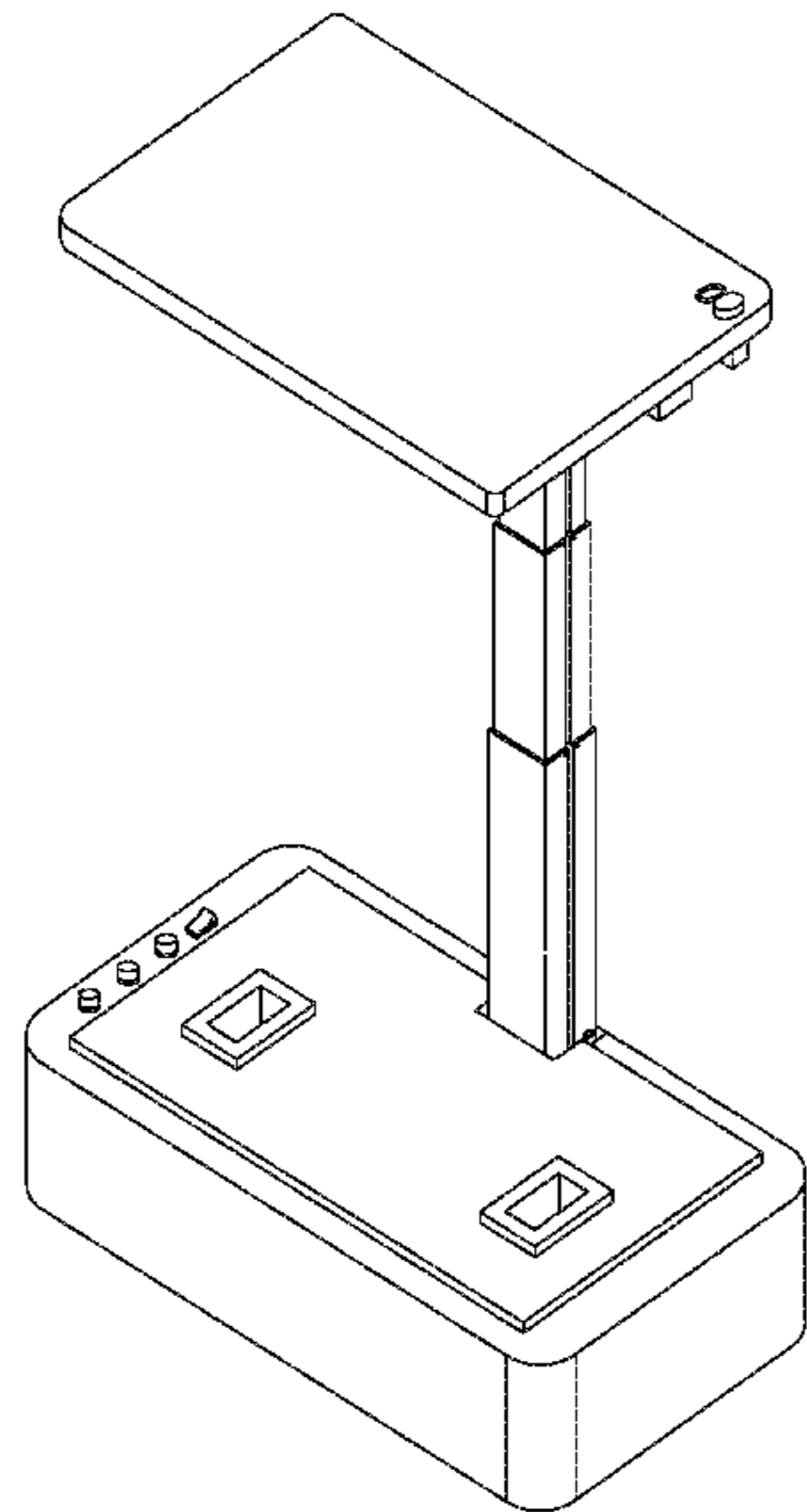
FIG. 7 is a side view of the mobile robot with the shaft-mounted table lowered to the bottom height.

FIG. 8 is a side view of the mobile robot having a shaft-mounted table.

FIG. 9 is a perspective view of the mobile robot with the shaft-mounted table as viewed from the top, front, and side thereof; and,

FIG. 10 is a perspective view of the mobile robot with the shaft-mounted table as viewed from the bottom, front, and side thereof.

1 Claim, 9 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2013/0136240 A1* 5/2013 Causape Rodriguez
A61B 6/4405
378/198
2014/0098049 A1* 4/2014 Koch G06F 3/016
345/173
2014/0183429 A1* 7/2014 Conaway B60S 9/08
254/419
2015/0330486 A1* 11/2015 Hu F16H 25/20
74/89.14
2016/0047446 A1* 2/2016 Hung F16H 25/2056
74/89.35

* cited by examiner

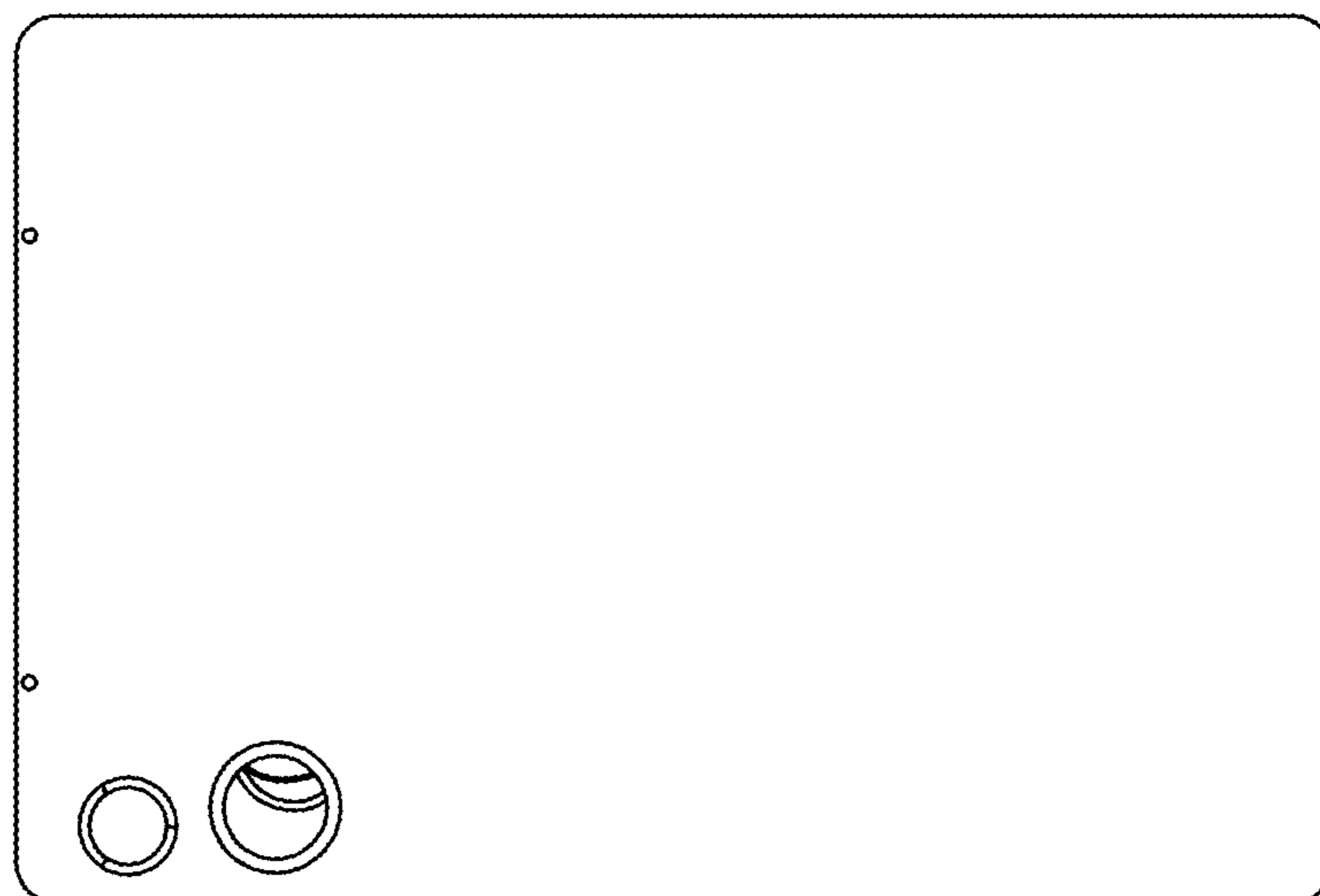


FIG. 1

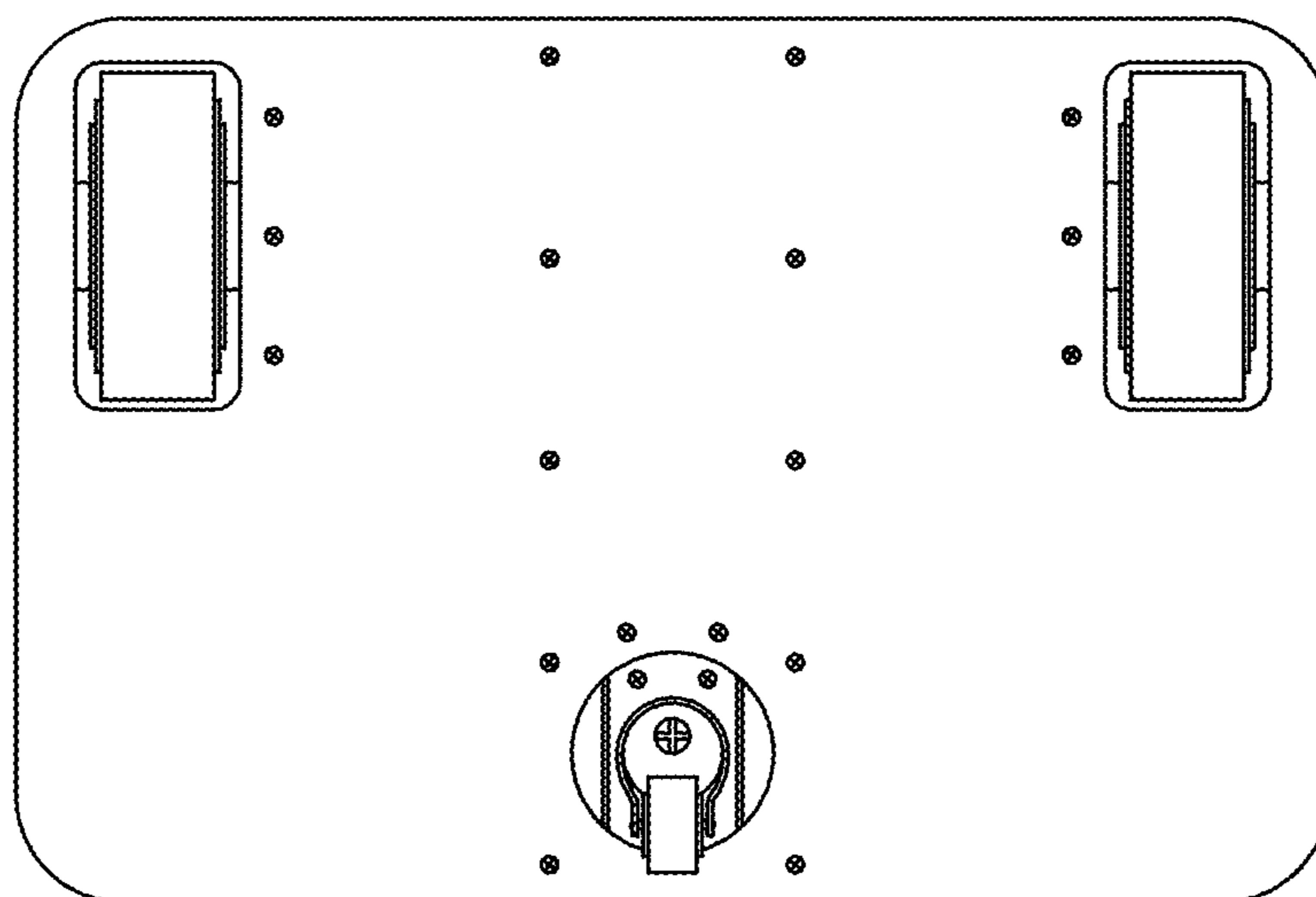


FIG. 2

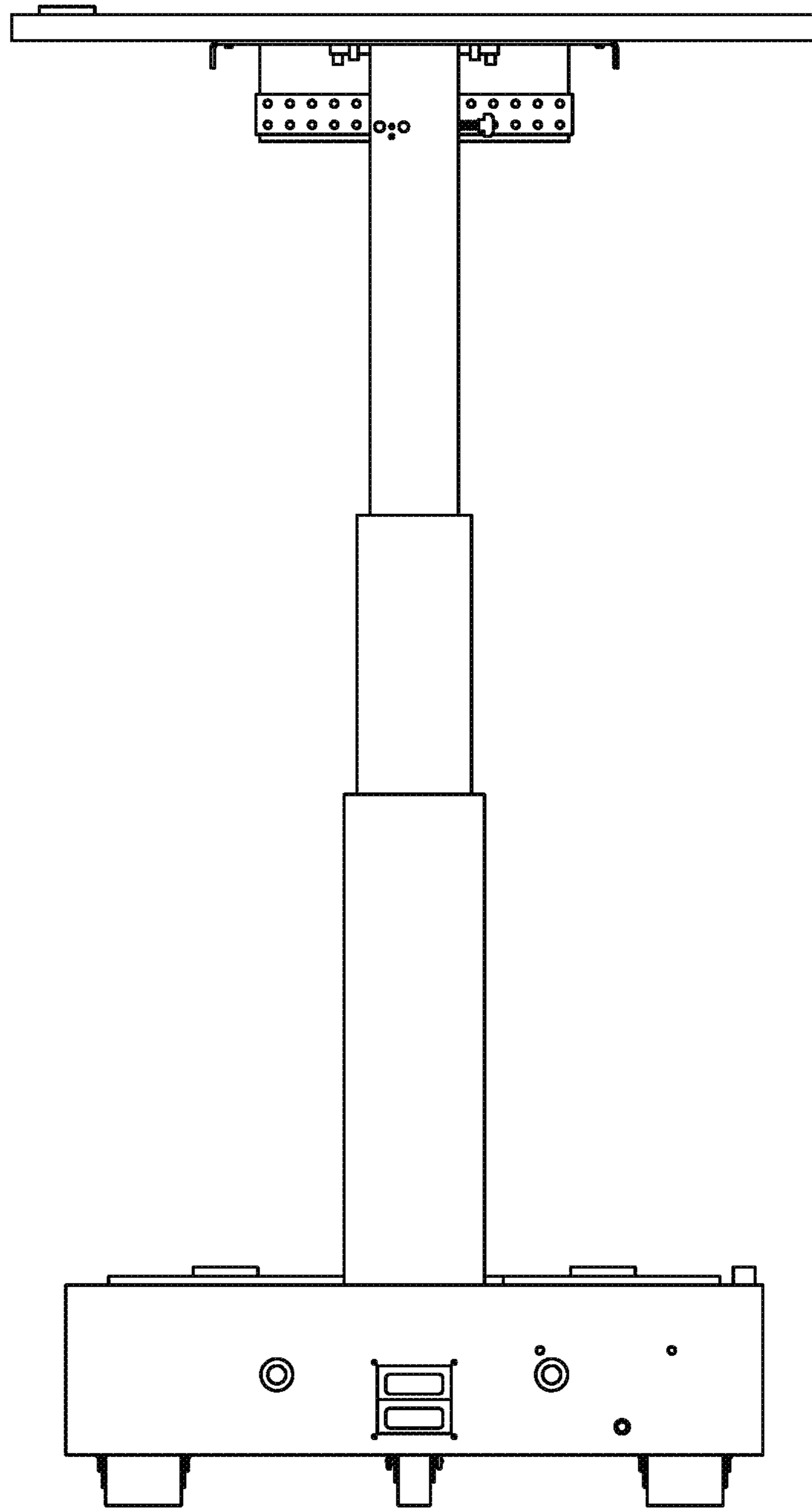


FIG. 3

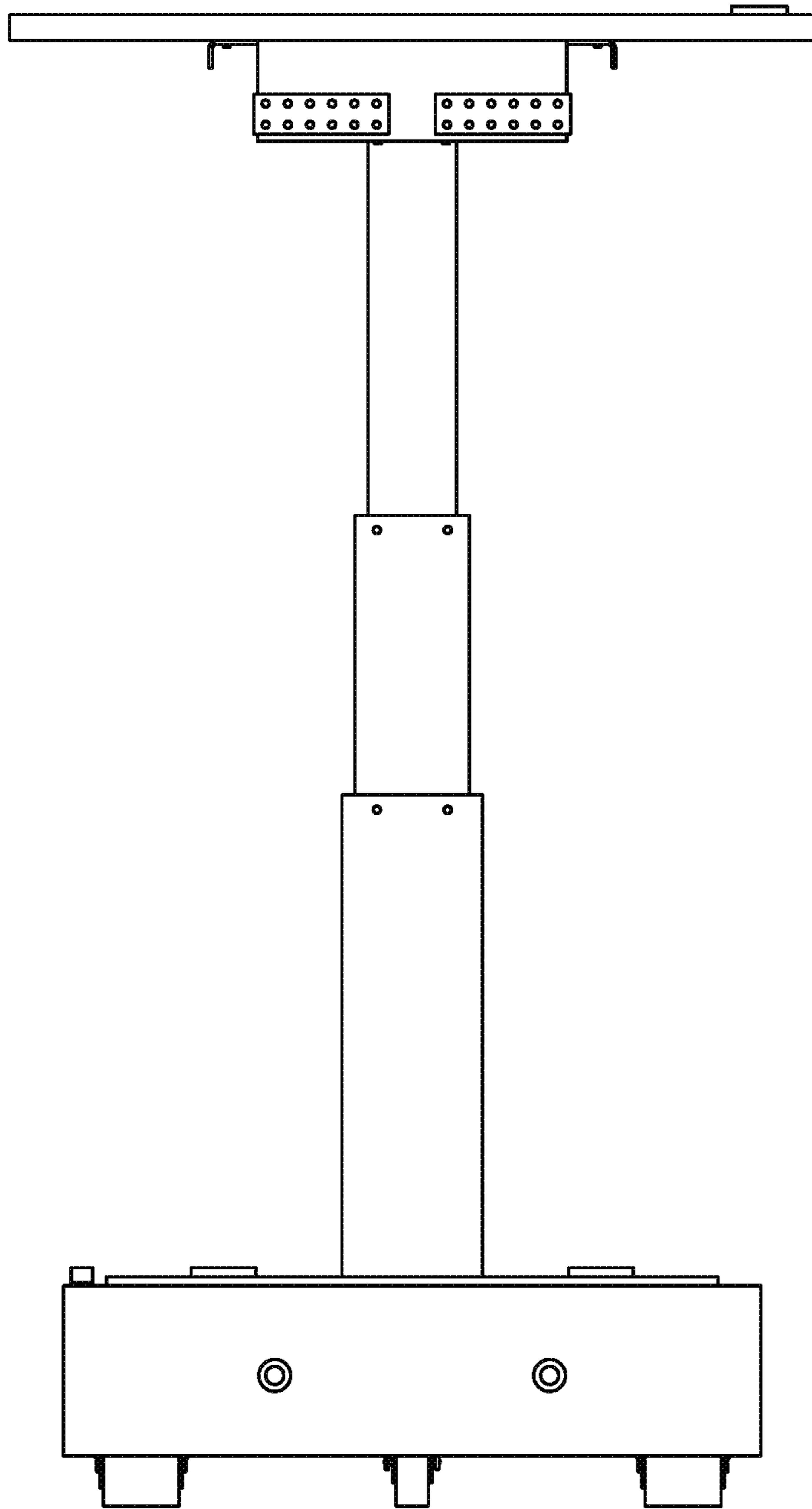


FIG. 4

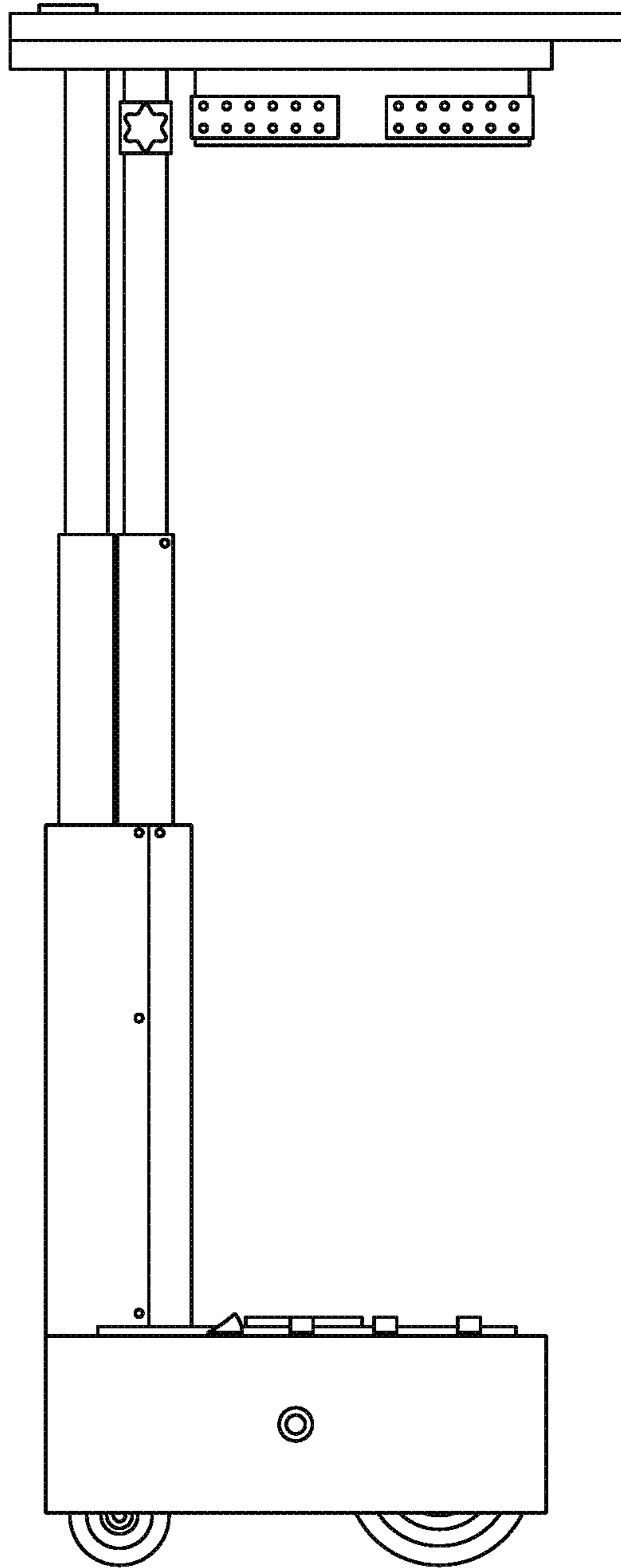


FIG. 5

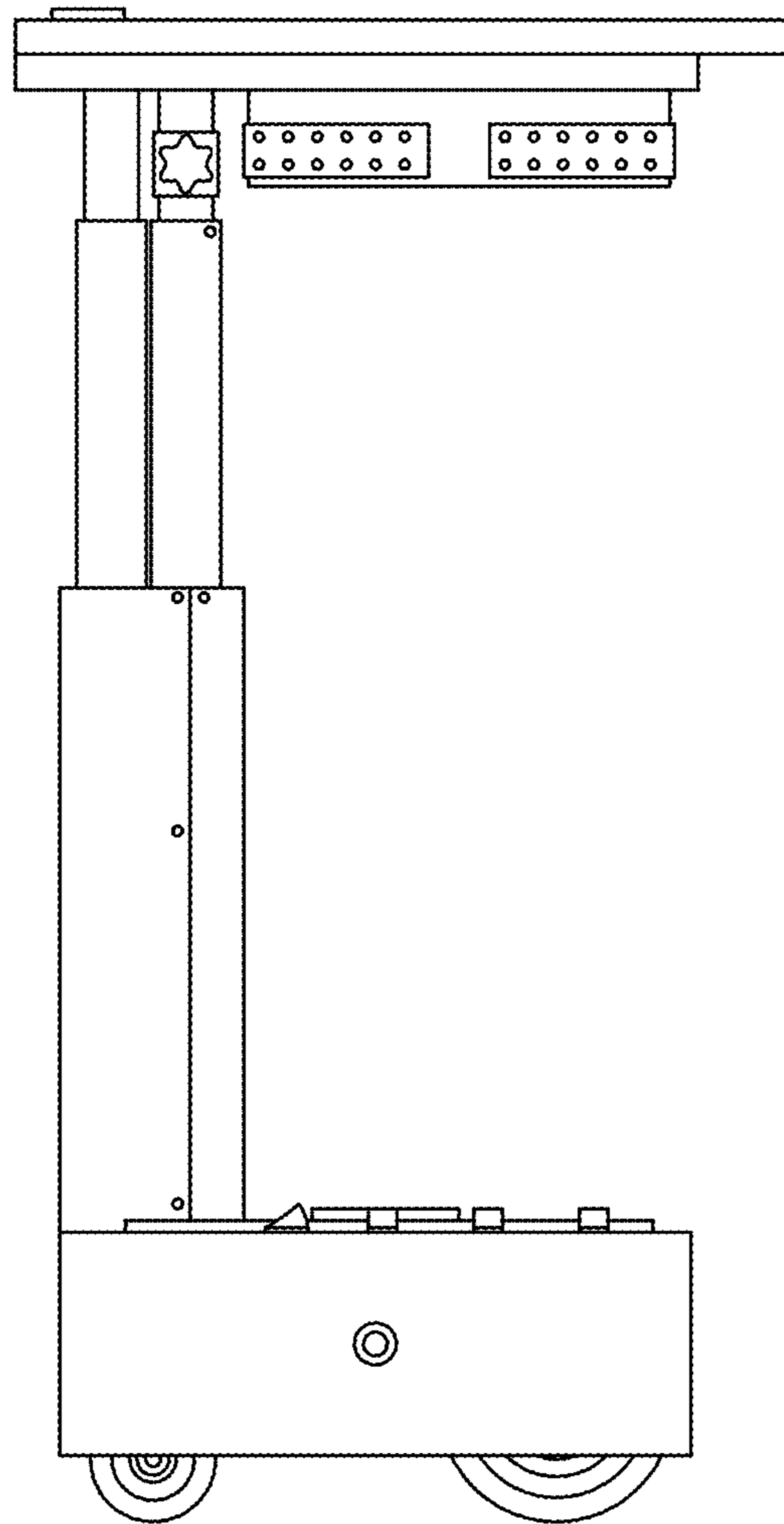


FIG. 6

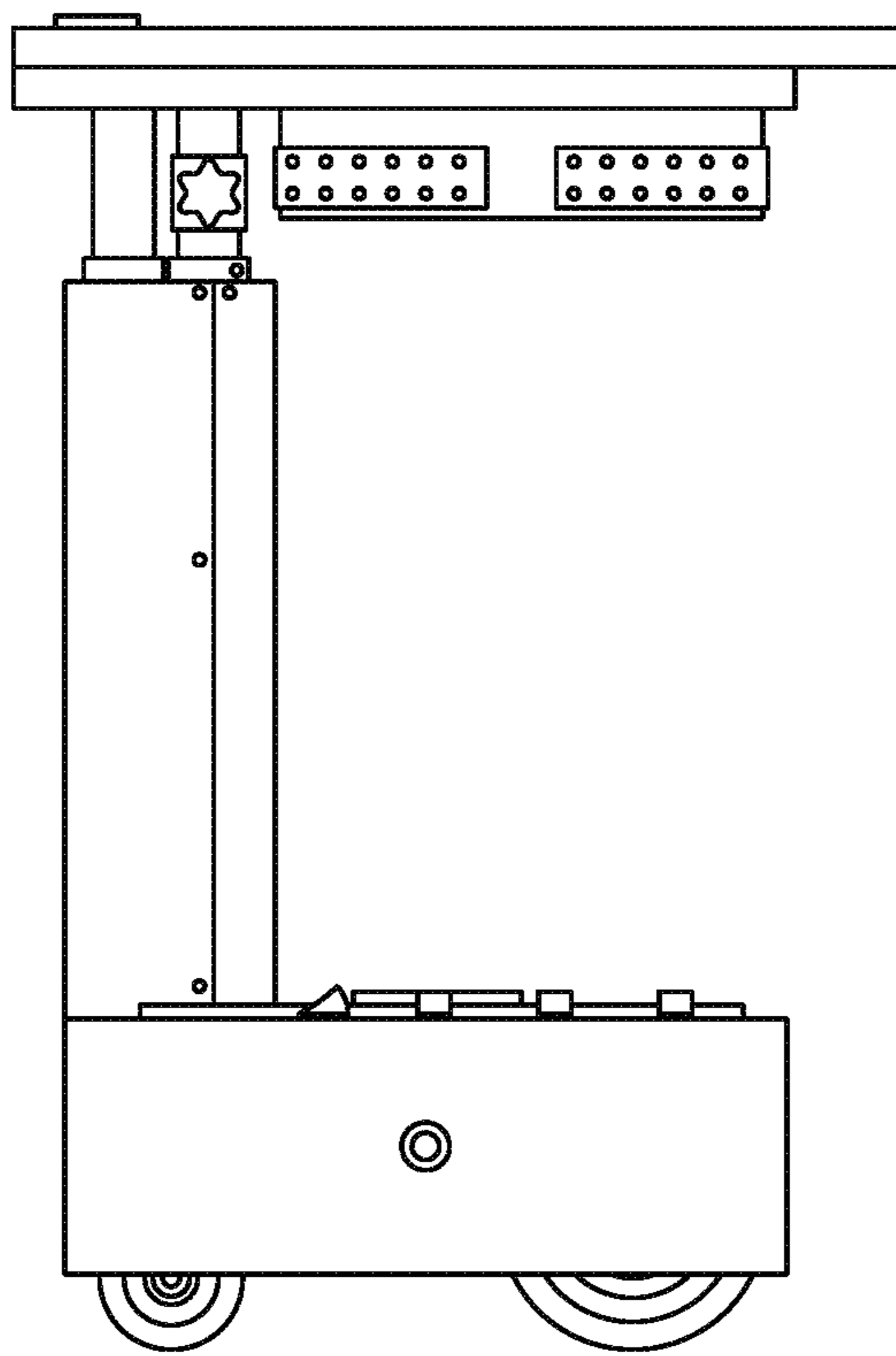


FIG. 7

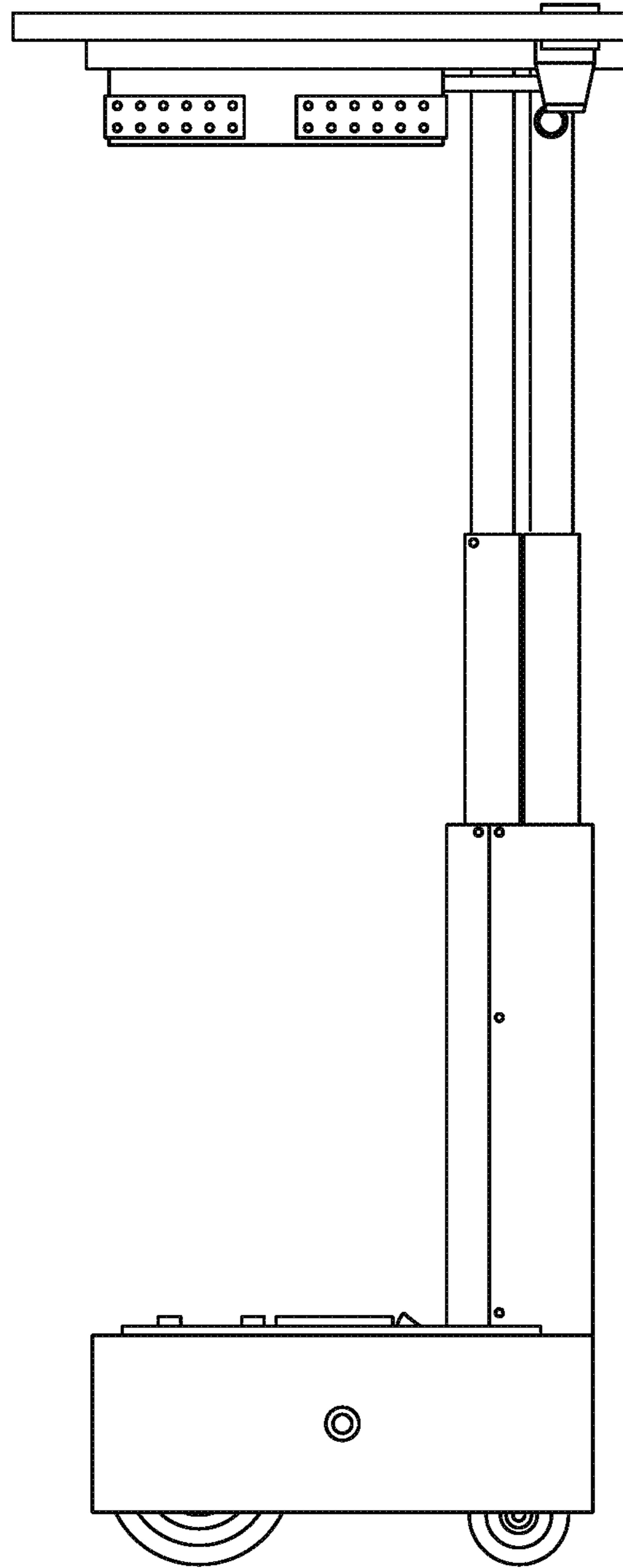


FIG. 8

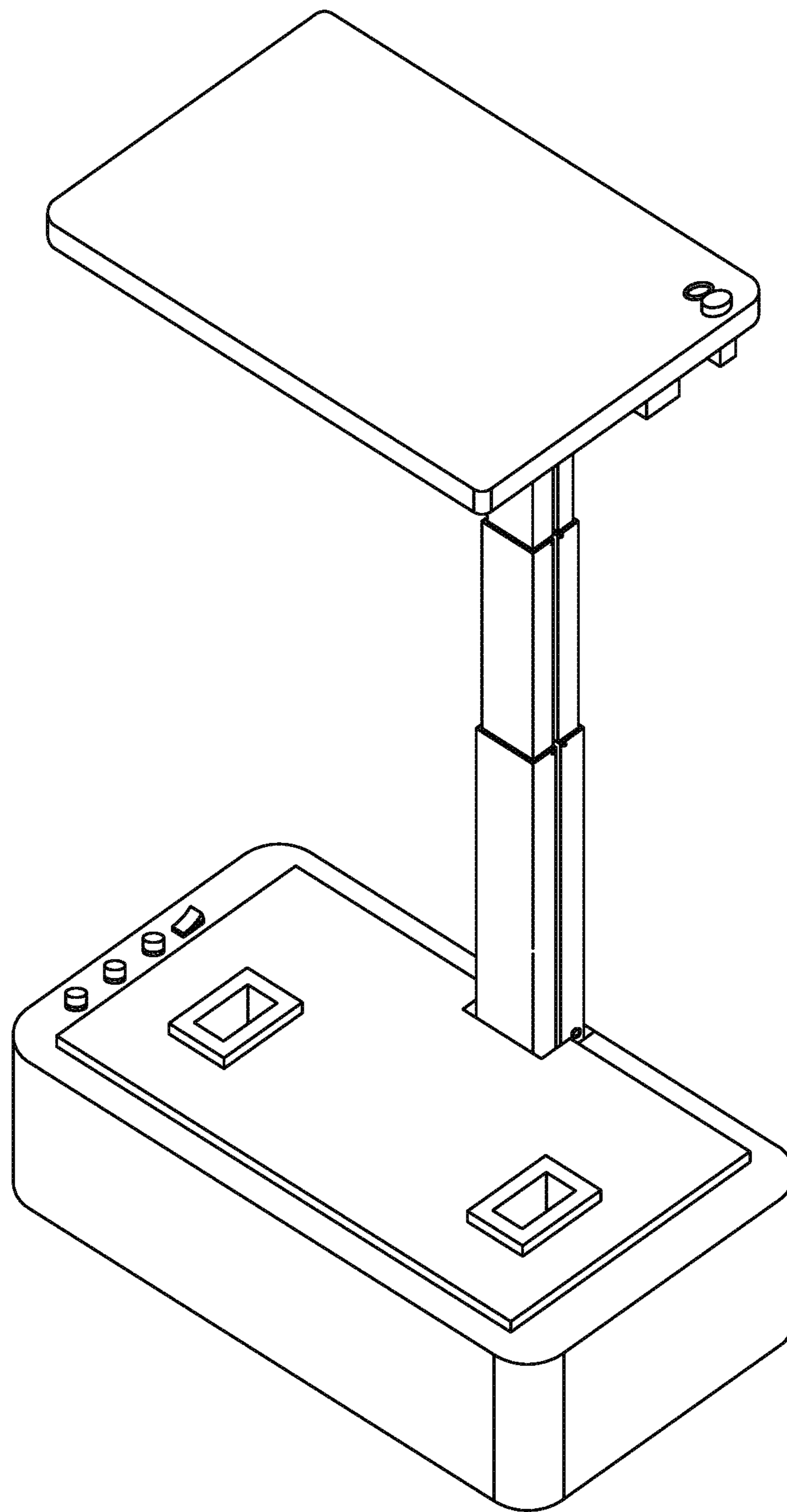


FIG. 9

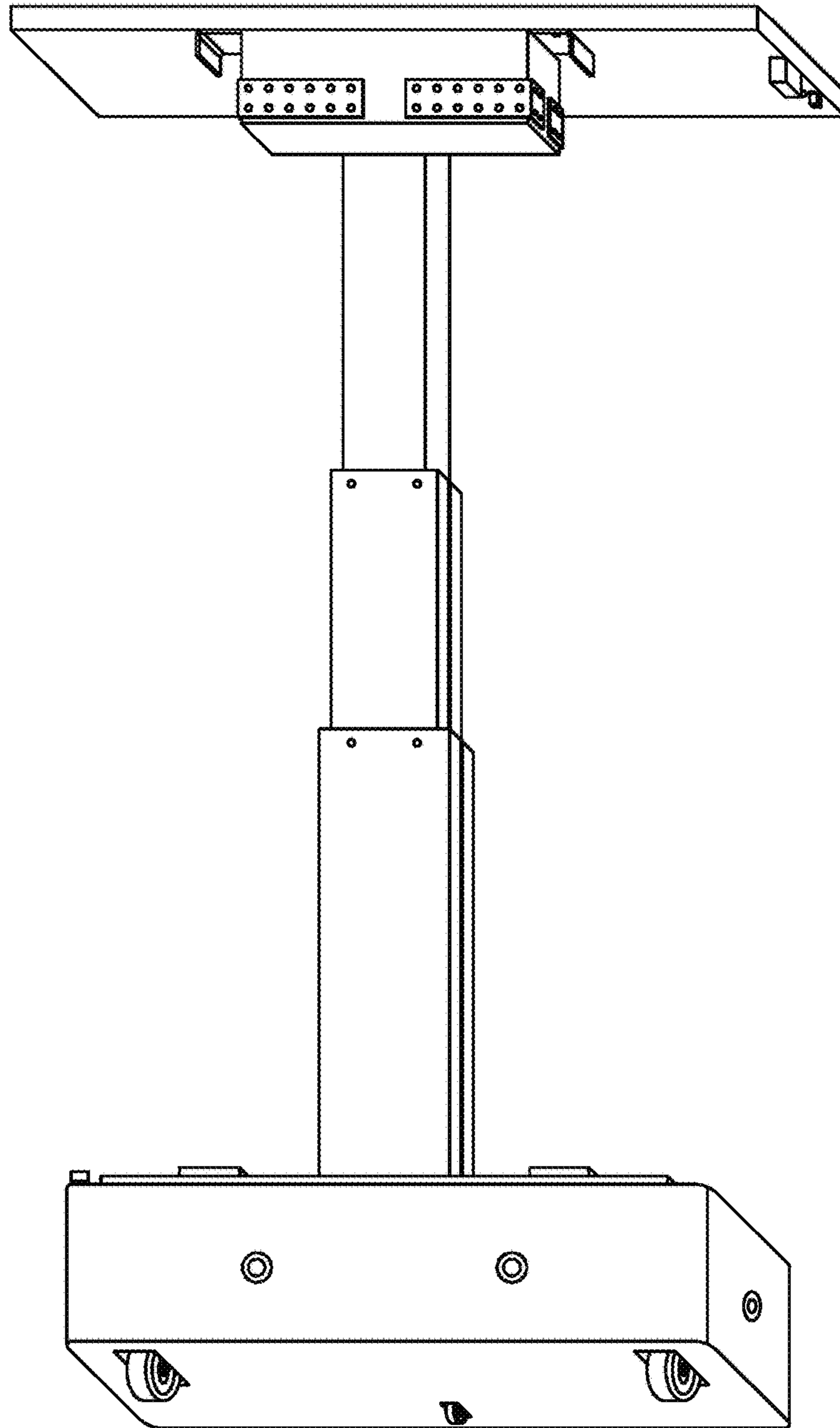


FIG. 10