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

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- (54) **AUTONOMOUS MOBILE ROBOT**
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Vladimir Altman, Pittsburgh, PA (US)
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(US)
- (**) Term: **15 Years**
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- (22) Filed: **Apr. 5, 2019**
- (51) **LOC (12) Cl.** **15-99**
- (52) **U.S. Cl.**
USPC **D15/199; D34/34**
- (58) **Field of Classification Search**
USPC D15/199; D21/578-583, 621, 622;
D32/21; D34/34
CPC B23K 9/133; B23K 9/287; B25J 9/0018;
B25J 19/0025; Y10T 74/20; Y10T
74/20207; Y10T 74/20311; Y10T
74/20305; Y10S 901/01
See application file for complete search history.

- (56) **References Cited**
U.S. PATENT DOCUMENTS
- 4,137,984 A * 2/1979 Jennings B62D 1/28
180/168
- 4,496,274 A * 1/1985 Pipes B60L 15/2036
414/340
- 4,657,463 A * 4/1987 Pipes B62D 1/24
180/167
- D295,105 S * 4/1988 Dawson D34/18
- 5,658,120 A * 8/1997 Watanabe B23Q 7/1436
414/495
- D468,884 S * 1/2003 Ito D34/12
- 7,066,291 B2 6/2006 Martins et al.

- D712,447 S * 9/2014 He D15/199
- 9,050,723 B1 6/2015 Elazary et al.
- D735,258 S * 7/2015 Jang D15/199
- 9,120,622 B1 9/2015 Elazary et al.
- D743,647 S * 11/2015 Heck D32/21
- D745,144 S * 12/2015 Aylmer D24/128
- D759,623 S * 6/2016 Dahlberg D10/30
- 9,758,305 B2 9/2017 Johnson et al.
- 9,776,324 B1 10/2017 Johnson et al.
- D810,799 S * 2/2018 Sokuza D15/199
- D812,663 S * 3/2018 Waters D15/199
- D819,711 S * 6/2018 Li D15/199
- 10,001,768 B2 6/2018 Johnson et al.
- D822,736 S * 7/2018 Kato D15/199
- 10,040,194 B1 8/2018 Theobald
- 10,048,697 B1 8/2018 Theobald
- D837,852 S * 1/2019 Nilsson D15/199
- D837,855 S * 1/2019 Chen D15/199

(Continued)

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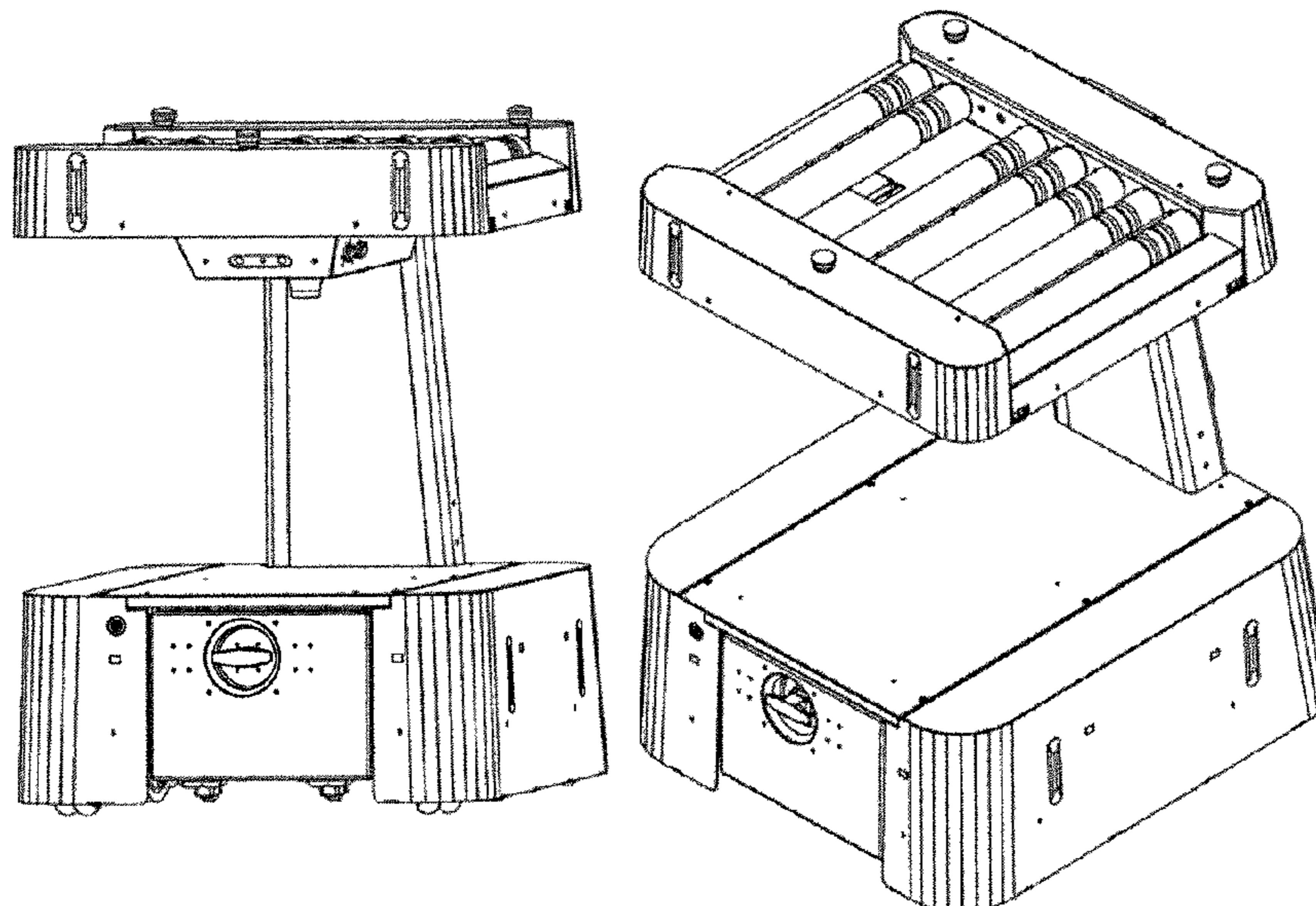
(57) **CLAIM**

The ornamental design for an autonomous mobile robot, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of the autonomous mobile robot.
 FIG. 2 is a top perspective view of the autonomous mobile robot.
 FIG. 3 is a bottom perspective view of the autonomous mobile robot.
 FIG. 4 is front view of the autonomous mobile robot.
 FIG. 5 is rear view of the autonomous mobile robot.
 FIG. 6 is left side view of the autonomous mobile robot.
 FIG. 7 is right side view of the autonomous mobile robot.
 FIG. 8 is top view of the autonomous mobile robot; and,
 FIG. 9 is a bottom view of the autonomous mobile robot.

1 Claim, 9 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D839,331	S *	1/2019	Nilsson	D15/199
D841,067	S *	2/2019	Camporesi	D15/199
D841,711	S *	2/2019	Liu	D15/199
D843,428	S *	3/2019	Gee	D15/199
D849,813	S *	5/2019	Sutherland	D15/199
D856,389	S *	8/2019	Gayne	D15/199
D857,073	S *	8/2019	Gayne	D15/199
D871,475	S *	12/2019	Kolb	D15/199
D871,476	S *	12/2019	Kolb	D15/199
D876,278	S *	2/2020	Sokuza	D12/16.1
2009/0035181	A1 *	2/2009	Chung	A61B 5/00 422/68.1
2011/0135189	A1 *	6/2011	Lee	B25J 9/1682 382/153
2014/0074287	A1 *	3/2014	LaFary	B25J 9/1676 700/253
2015/0073589	A1	3/2015	Khodl et al.	
2015/0088359	A1 *	3/2015	Choi	G05D 1/0225 701/23
2017/0183157	A9	6/2017	Massey	
2017/0336780	A1	11/2017	Wise et al.	
2017/0337506	A1	11/2017	Wise et al.	
2018/0122032	A1	5/2018	Asaria et al.	
2018/0319593	A1	11/2018	Hamilton et al.	

* cited by examiner

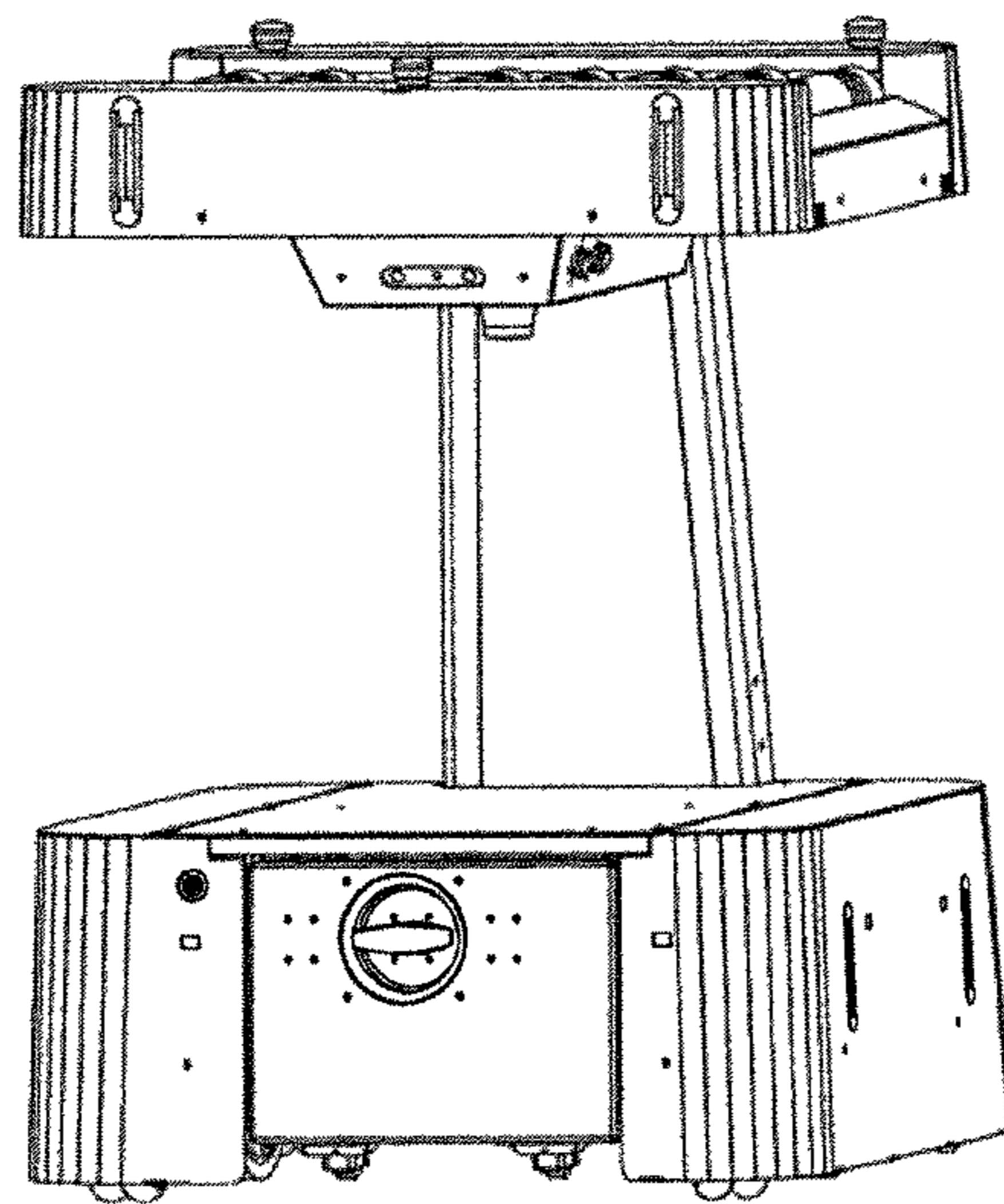


FIG. 1

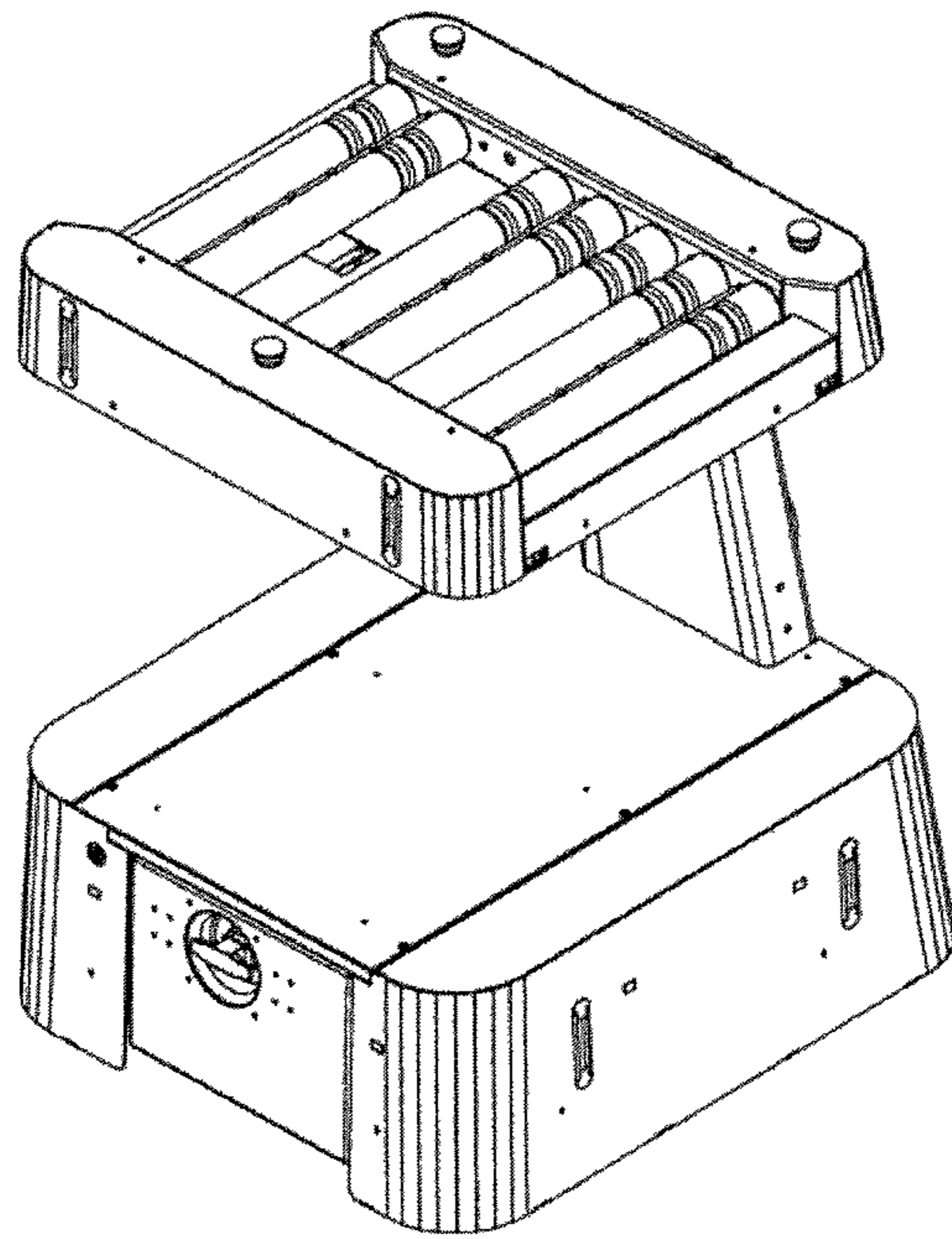


FIG. 2

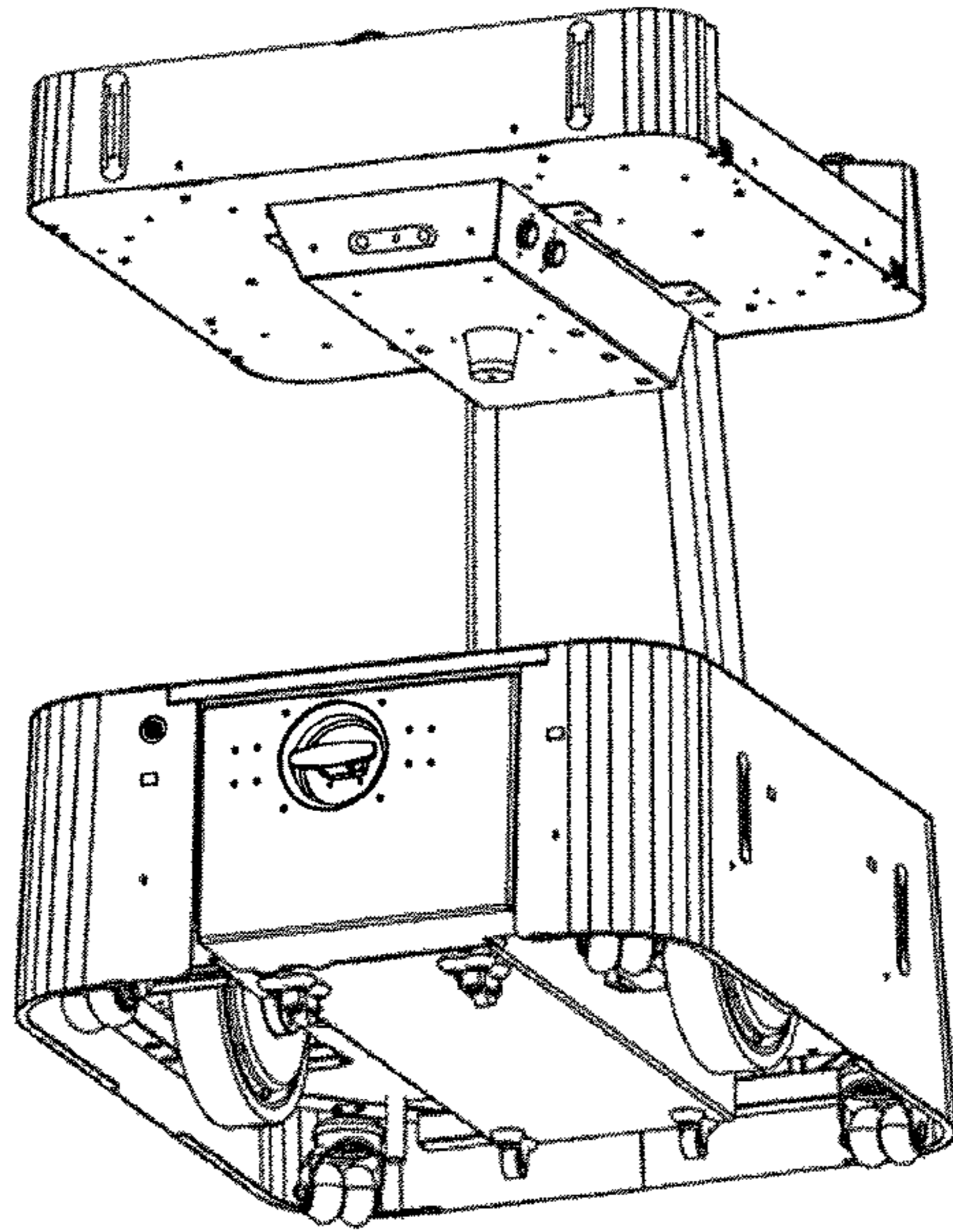


FIG. 3

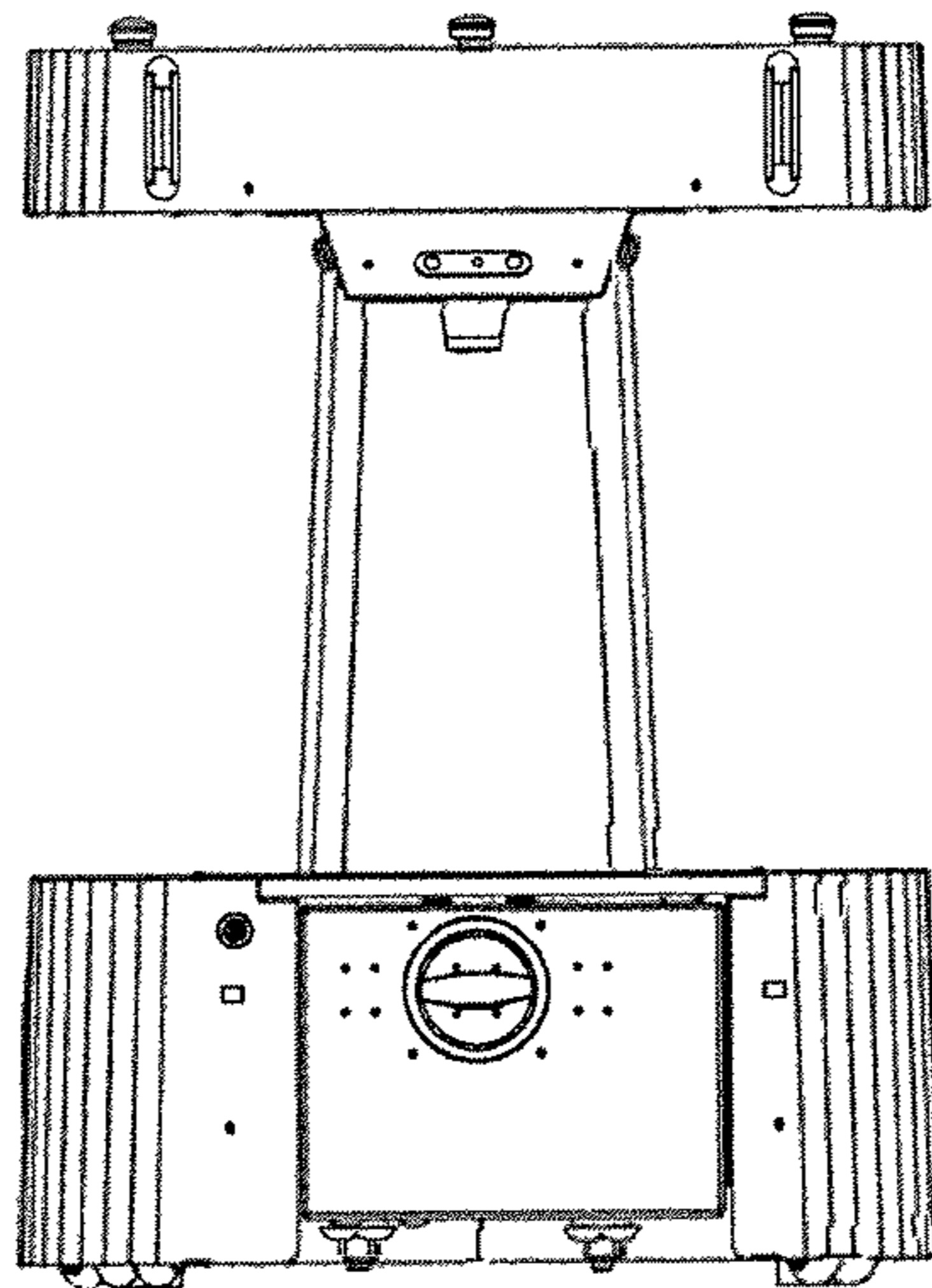


FIG. 4

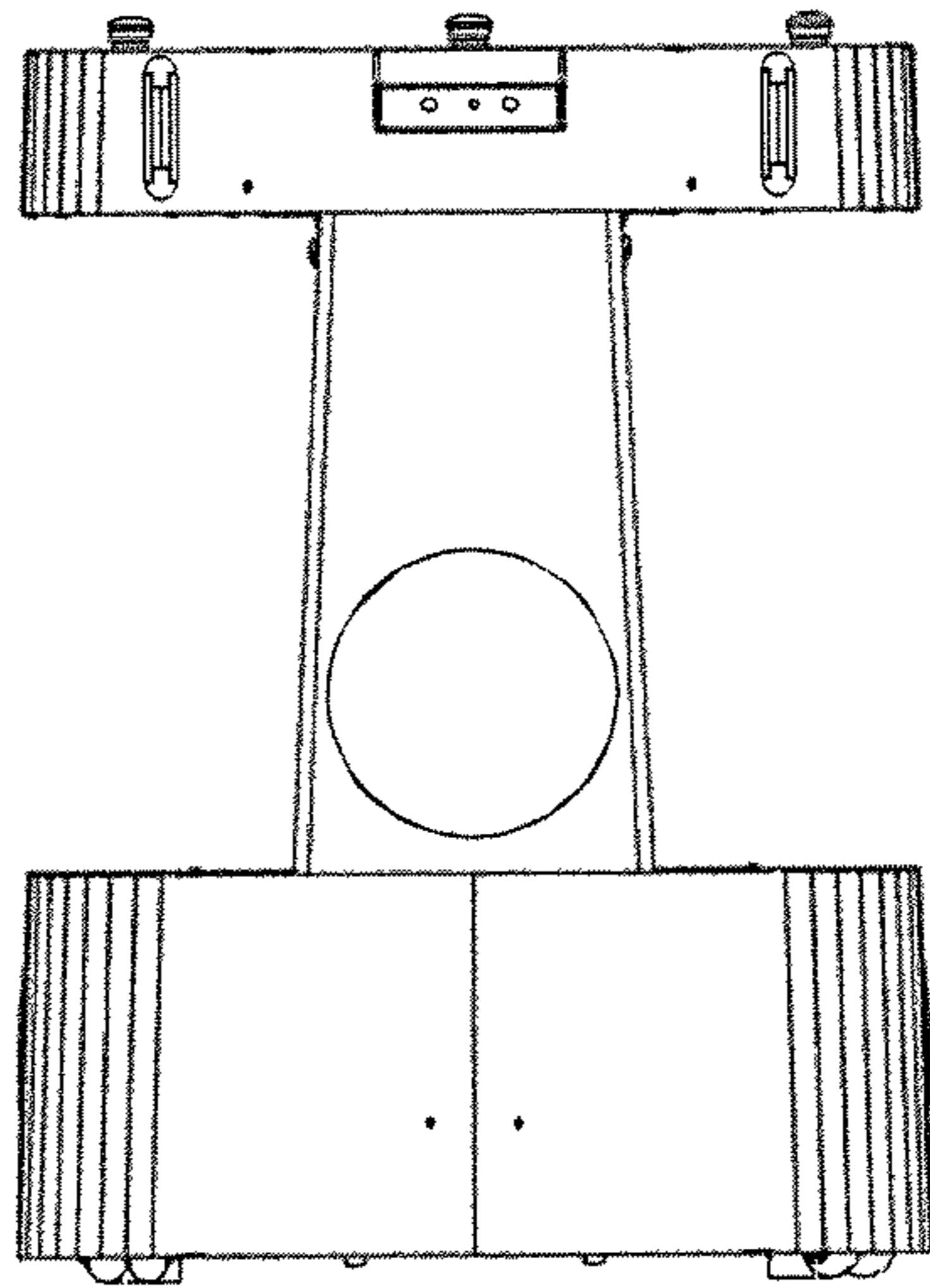


FIG. 5

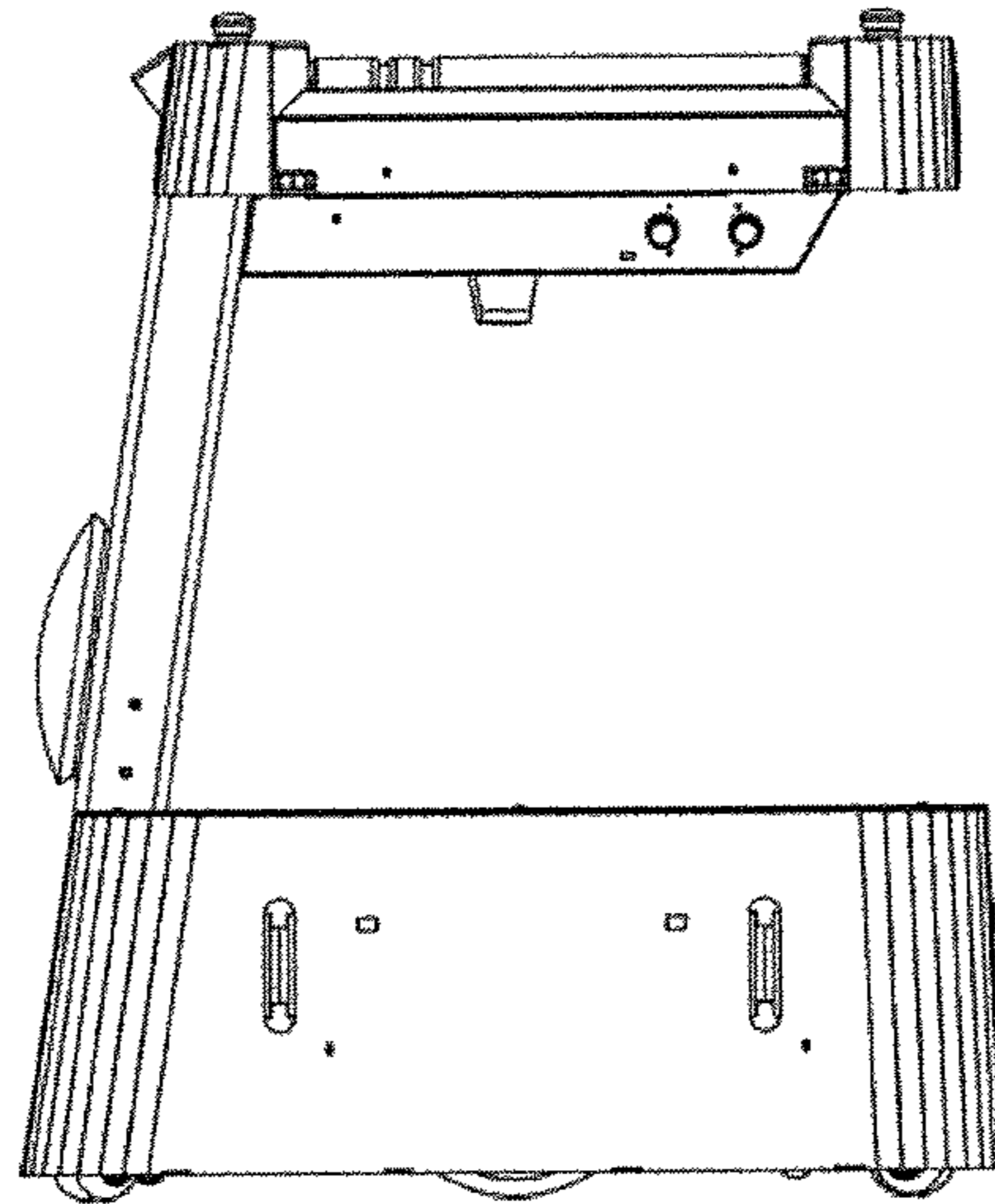


FIG. 6

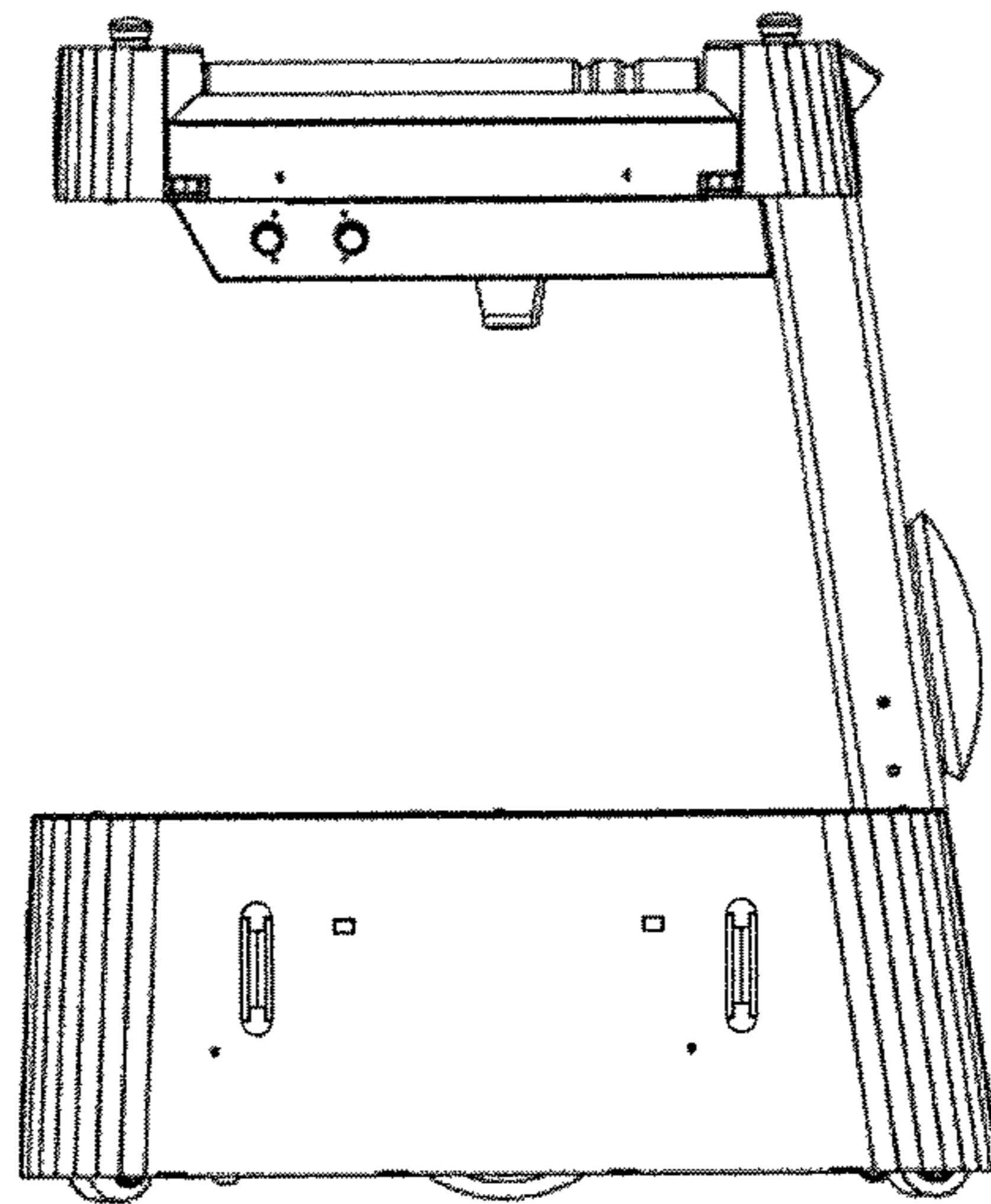


FIG. 7

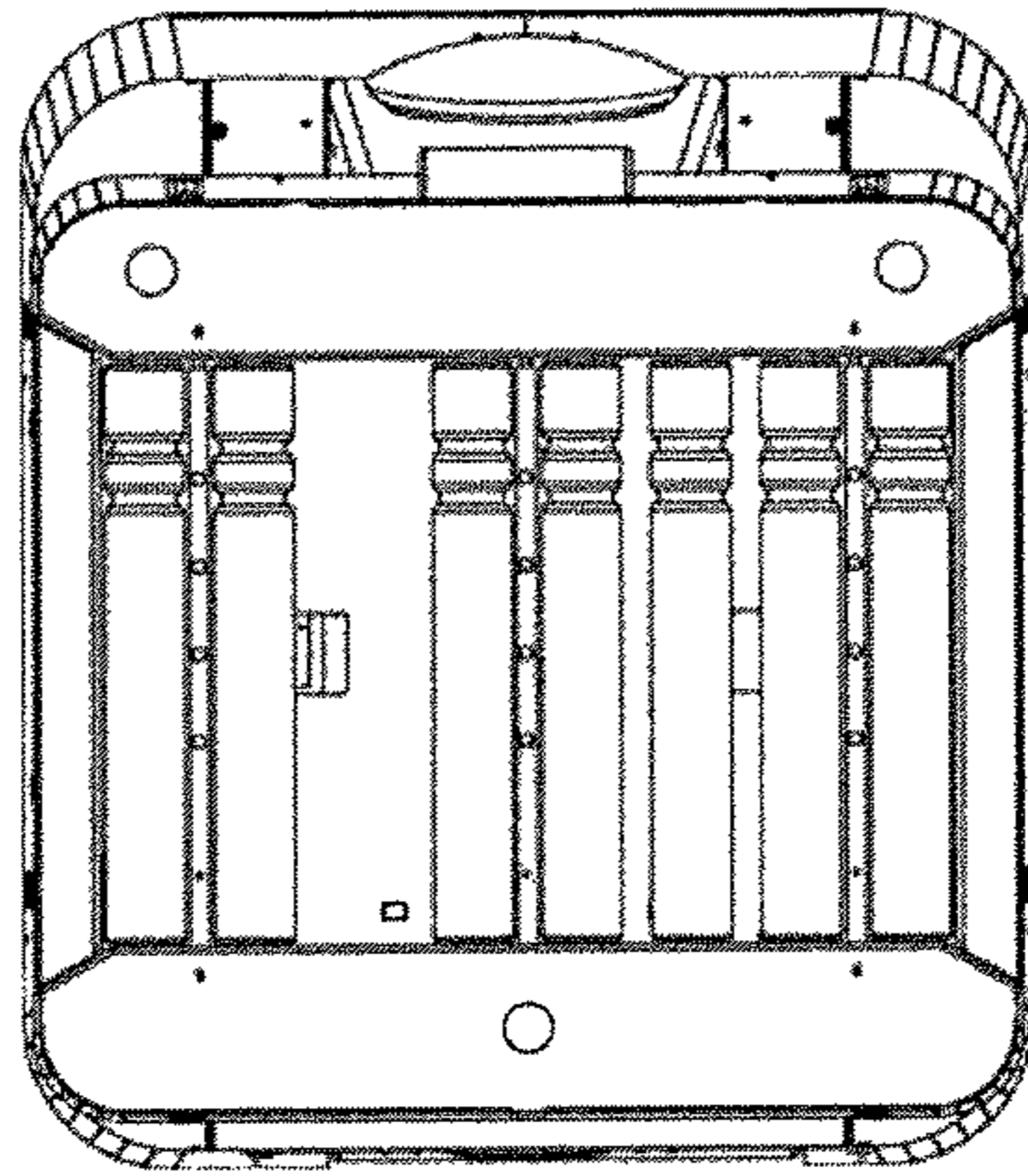


FIG. 8

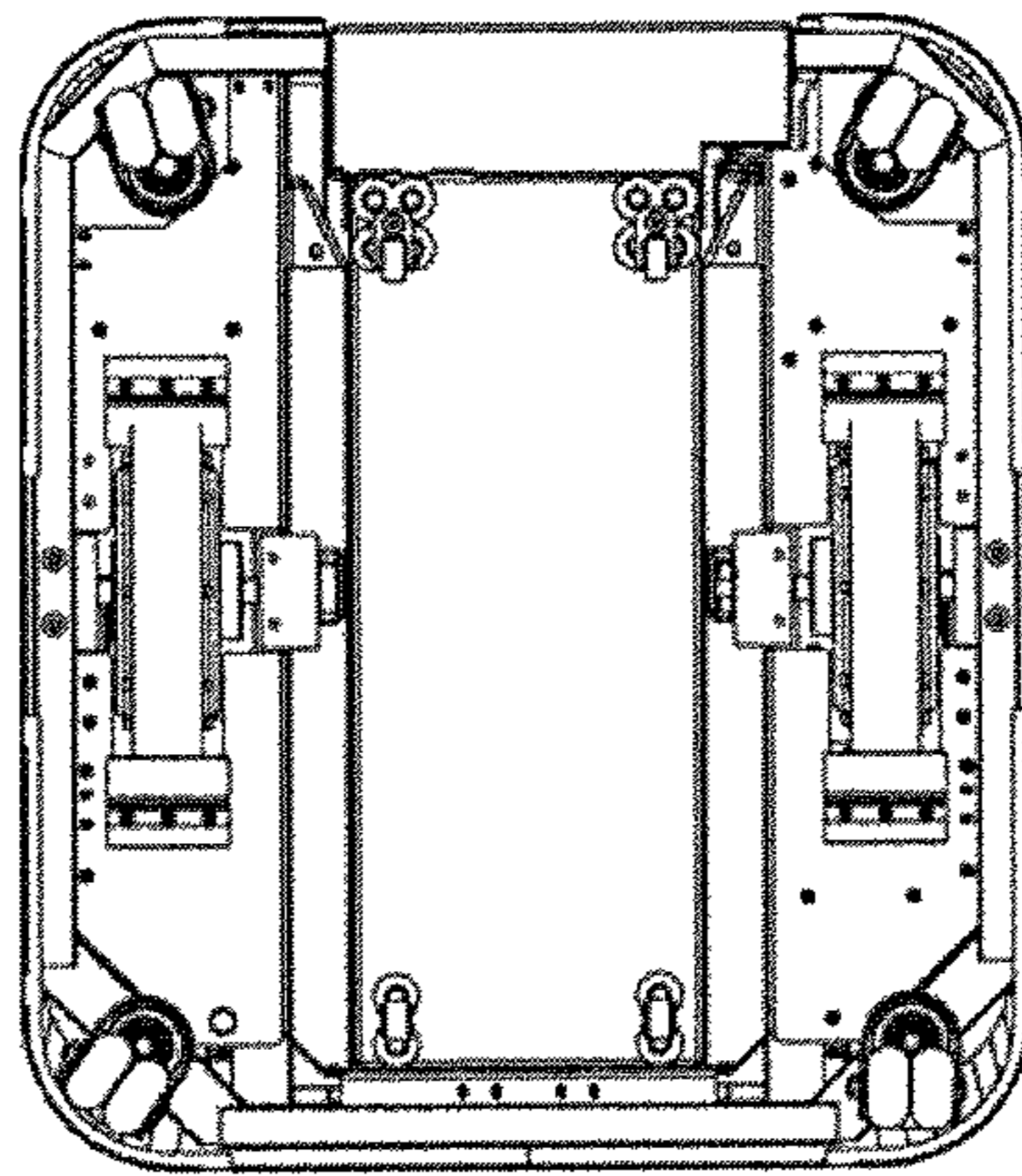


FIG. 9