



US00D869810S

(12) **United States Design Patent** (10) **Patent No.:** **US D869,810 S**
Childress (45) **Date of Patent:** **** Dec. 10, 2019**

(54) **CART APPARATUS WITH A TOP SUPPORT HAVING A PLURALITY OF OPENINGS**

Primary Examiner — Cynthia Ramirez
(74) *Attorney, Agent, or Firm* — McDonnell Boehnen Hulbert & Berghoff LLP

(71) Applicant: **The Boeing Company**, Chicago, IL (US)

(72) Inventor: **Jamie J. Childress**, Seattle, WA (US)

(57) **CLAIM**

The ornamental design for a cart apparatus with a top support having a plurality of openings, as shown and described.

(73) Assignee: **The Boeing Company**, Chicago, IL (US)

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

(21) Appl. No.: **29/648,443**

DESCRIPTION

(22) Filed: **May 21, 2018**

Related U.S. Application Data

(63) Continuation of application No. 14/944,534, filed on Nov. 18, 2015, now Pat. No. 10,005,482.

(51) **LOC (12) Cl.** **12-02**

(52) **U.S. Cl.**
USPC **D34/19**

(58) **Field of Classification Search**
USPC D34/12–27

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D202,493 S * 10/1965 Gribbens D34/20

D238,300 S * 12/1975 Klemms D7/347

(Continued)

FOREIGN PATENT DOCUMENTS

FR 2877551 A1 5/2006

WO 2007149468 A2 12/2007

WO 2012030881 A1 3/2012

OTHER PUBLICATIONS

European Patent Office, Extended European Search Report dated Mar. 29, 2017, issued in connection with EP Application No. 16180962.9, 8 pages.

FIG. 1 is a front perspective view of a cart apparatus with a top support having a plurality of openings according to the design with a door in an open position;

FIG. 2 is a front perspective view thereof with containers fully disposed through each of the plurality of openings and through an intermediate support;

FIG. 3 is a front perspective view thereof with the door in an alternative closed position and with a container partially disposed through one of the plurality of openings;

FIG. 4 is a front perspective view thereof with the door in an alternative closed position;

FIG. 5 is a front view thereof with the door in the alternative closed position of FIG. 4;

FIG. 6 is a rear view thereof with the door in the alternative closed position of FIG. 4;

FIG. 7 is a right side view thereof with the door in the alternative closed position of FIG. 4;

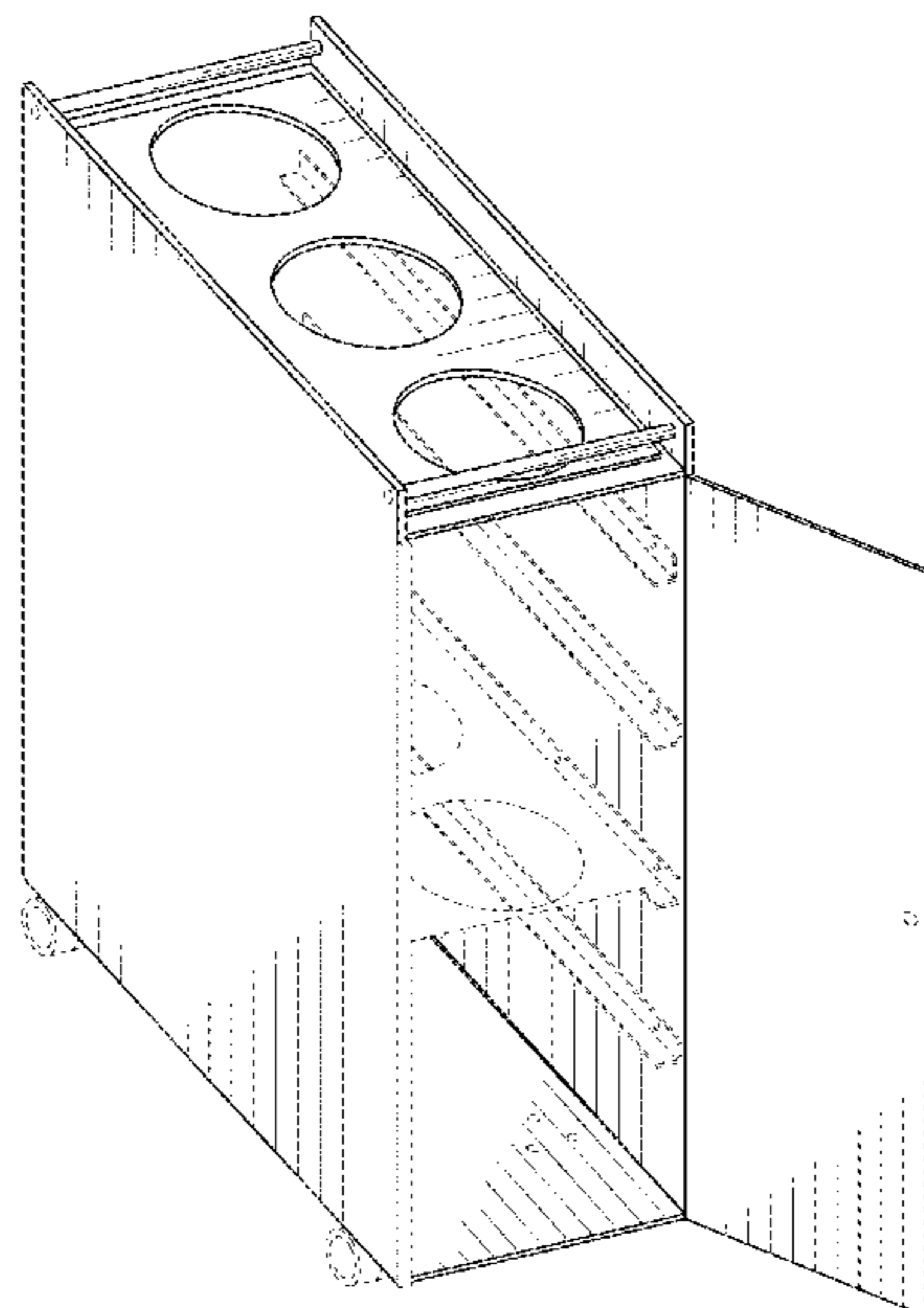
FIG. 8 is a left side view thereof with the door in the alternative closed position of FIG. 4;

FIG. 9 is a top view thereof with the door in the alternative closed position of FIG. 4; and,

FIG. 10 is a bottom view thereof with the door in the alternative closed position of FIG. 4.

The broken lines in the figures showing an intermediate support, shelf brackets, containers, a door knob, door trim and wheels are to show environment and form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(58) **Field of Classification Search**
 CPC B62B 3/003; B62B 3/004; B62B 3/005;
 B62B 3/006; B62B 3/10; B62B 3/108;
 B62B 2204/06
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,096,086	A	3/1992	Crema	
5,174,468	A	12/1992	Holderman	
5,238,139	A	8/1993	Bisceglia	
5,873,643	A	2/1999	Burgess, Jr.	
6,000,323	A	12/1999	Schlegel	
6,034,355	A *	3/2000	Naderi	A47J 27/004 219/386
6,102,219	A	8/2000	Wang	
6,234,498	B1 *	5/2001	Saku	A47B 31/00 280/47.34
7,204,407	B2	4/2007	Laher	
D647,272	S *	10/2011	Boivin	D34/19
8,550,284	B1	10/2013	Morad et al.	
8,840,122	B1 *	9/2014	Cummins	B62B 3/005 280/47.35
8,944,274	B2	2/2015	Madrid	
D821,675	S *	6/2018	Burns	D34/5
10,005,482	B2 *	6/2018	Childress	B62B 3/004
D822,932	S *	7/2018	Burns	D34/5

2004/0217238	A1	11/2004	Cochinov et al.	
2005/0193760	A1 *	9/2005	Moran	F25D 11/003 62/371
2005/0218615	A1 *	10/2005	Hu	B62B 3/006 280/47.35
2005/0285360	A1 *	12/2005	Helin	A47B 31/00 280/47.34
2006/0055290	A1 *	3/2006	Schalla	A47B 31/06 312/223.1
2007/0151308	A1	7/2007	Eisin	
2008/0116773	A1 *	5/2008	Van Loon	A47B 31/00 312/198
2010/0090429	A1 *	4/2010	Hartmann	B60P 7/08 280/47.34
2010/0140890	A1 *	6/2010	Boivin	B62B 3/003 280/47.34
2010/0170287	A1 *	7/2010	Boss	A47B 31/02 62/441
2011/0025006	A1 *	2/2011	Knoppers	A47B 31/00 280/47.34
2014/0021690	A1	1/2014	Burd	
2015/0091421	A1	4/2015	Van Loon	
2015/0108888	A1	4/2015	Galimberti	
2015/0251758	A1 *	9/2015	Vandyke	B62B 3/005 280/47.35
2017/0137048	A1 *	5/2017	Childress	B62B 3/004
2019/0062047	A1 *	2/2019	Spille	B62B 3/003

* cited by examiner

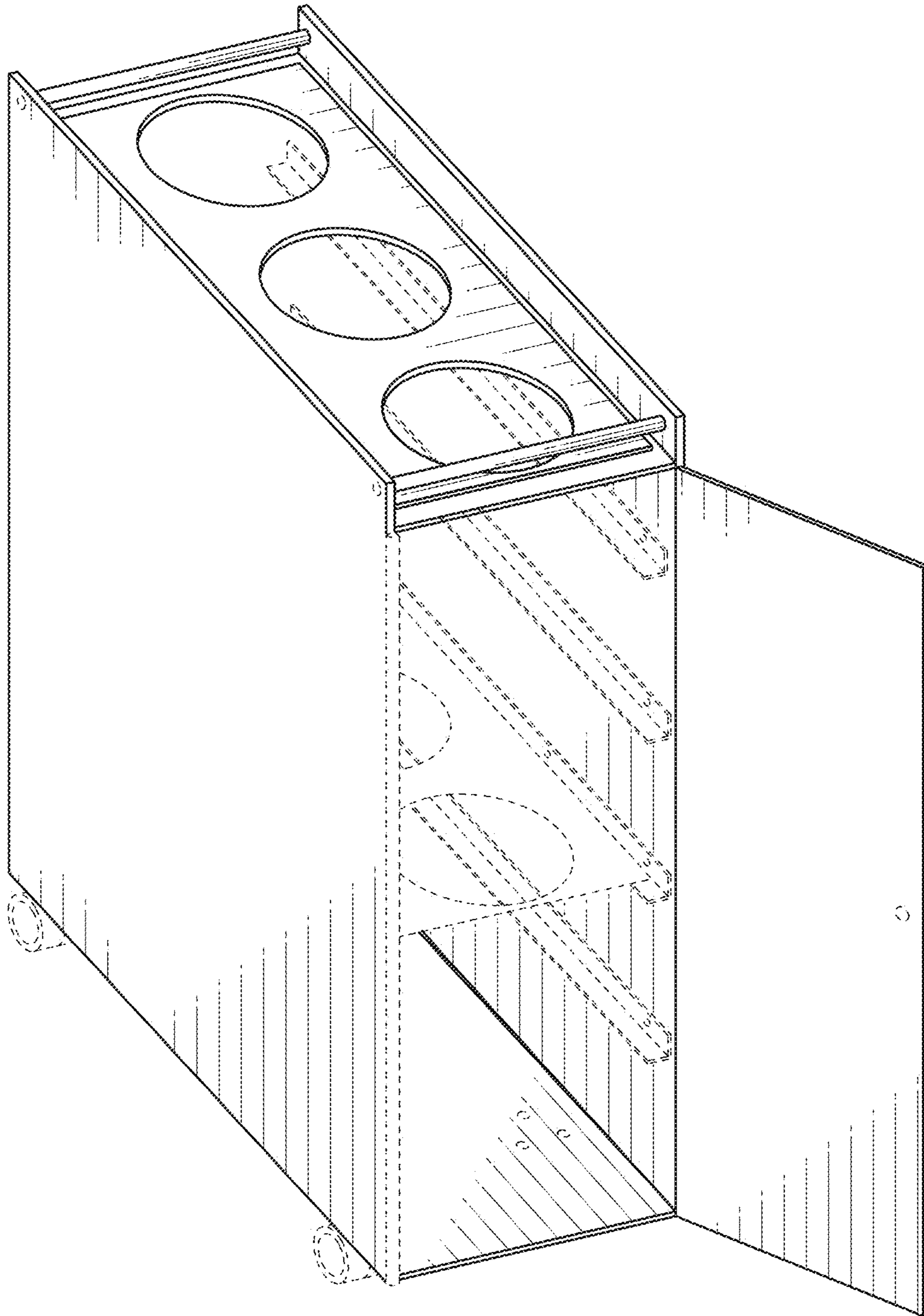


FIG. 1

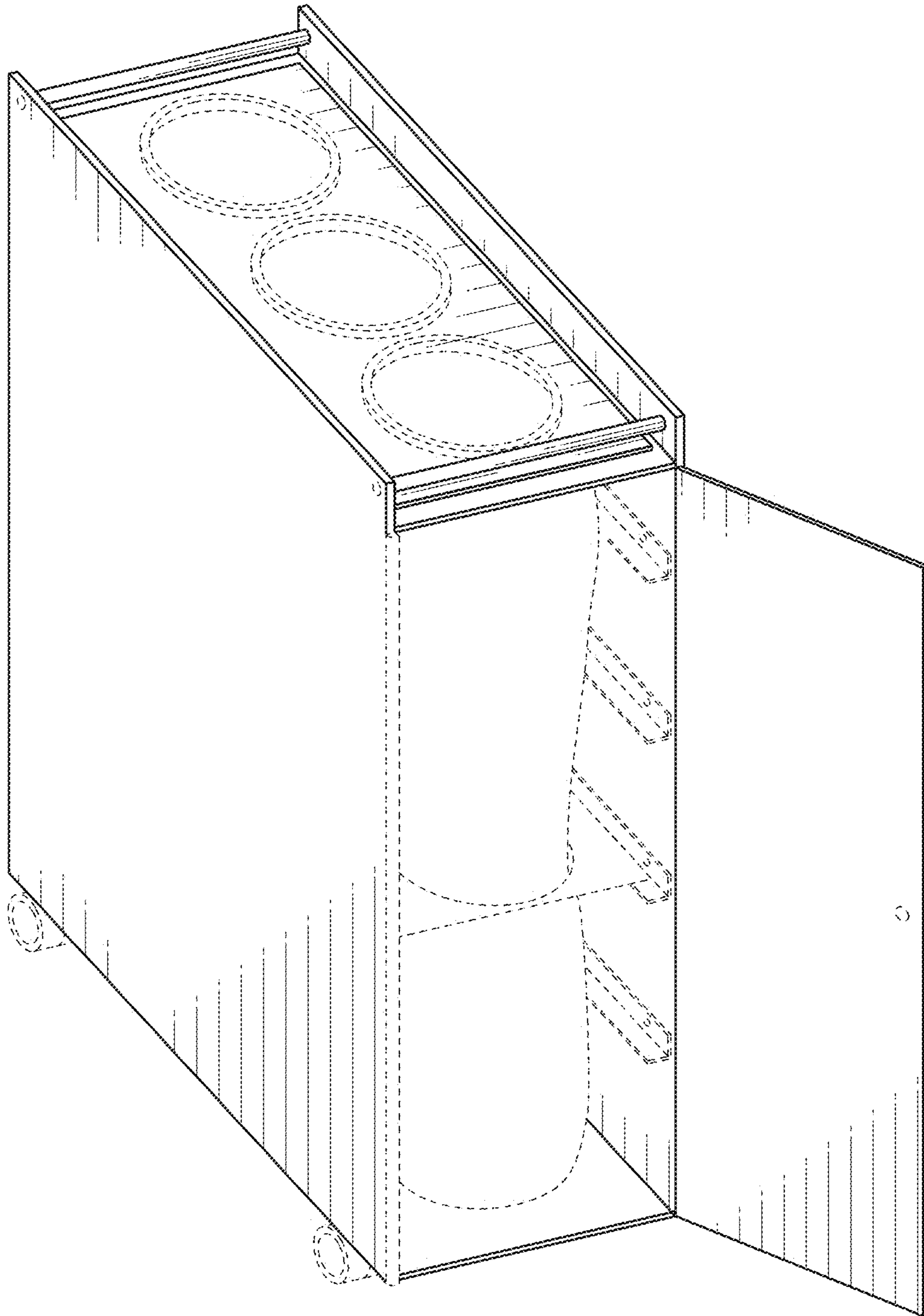


FIG. 2

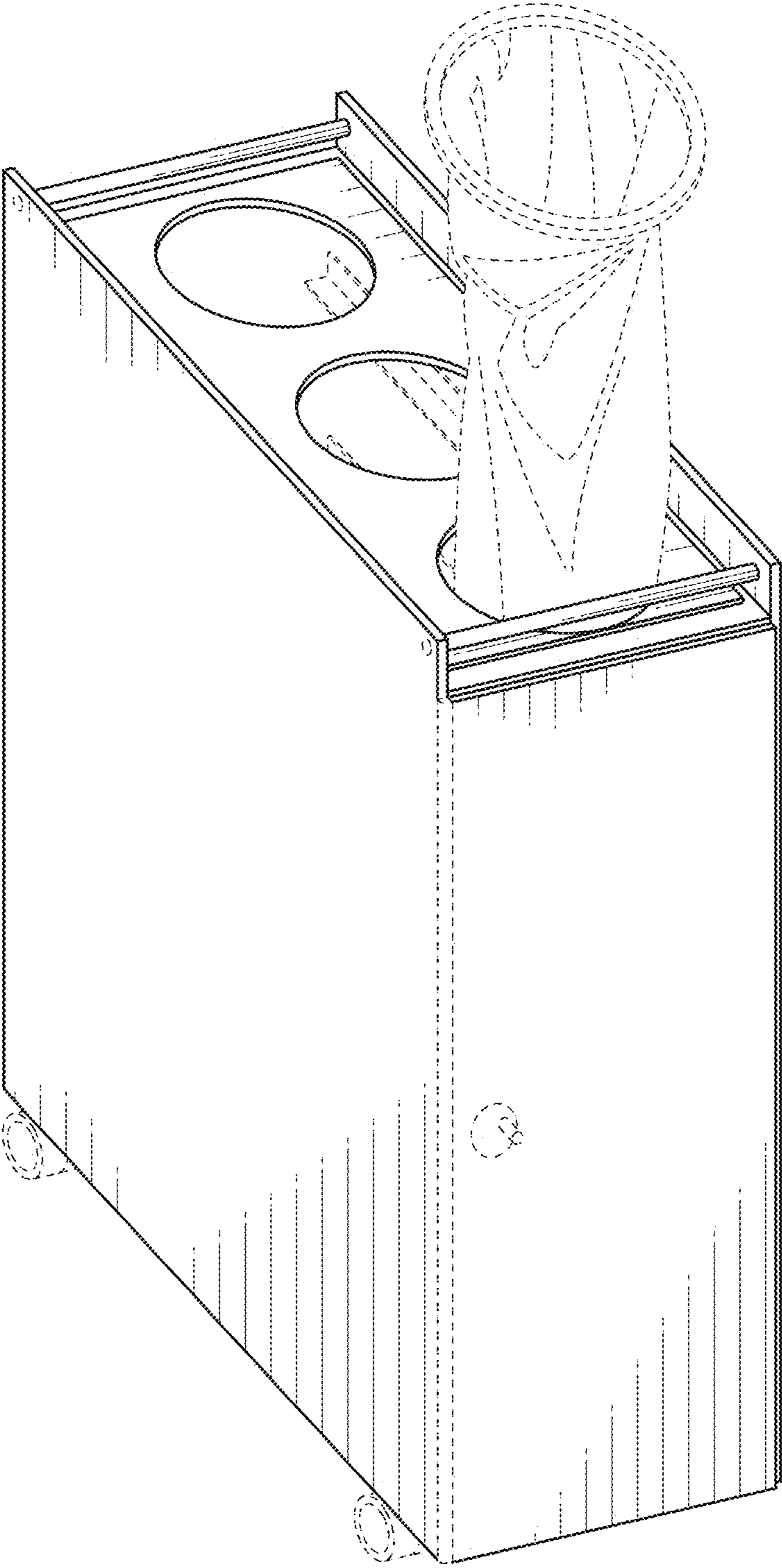


FIG. 3

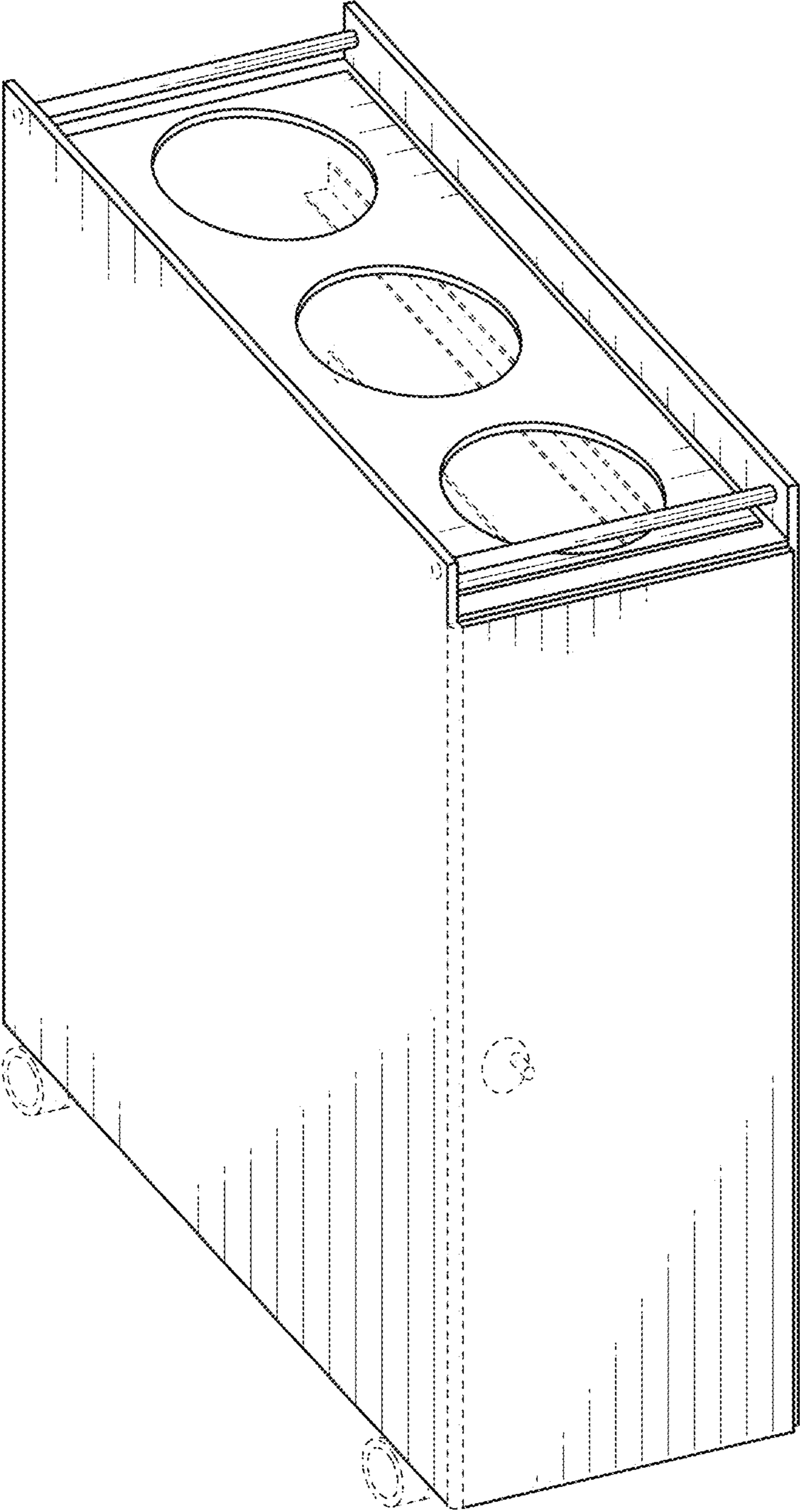


FIG. 4

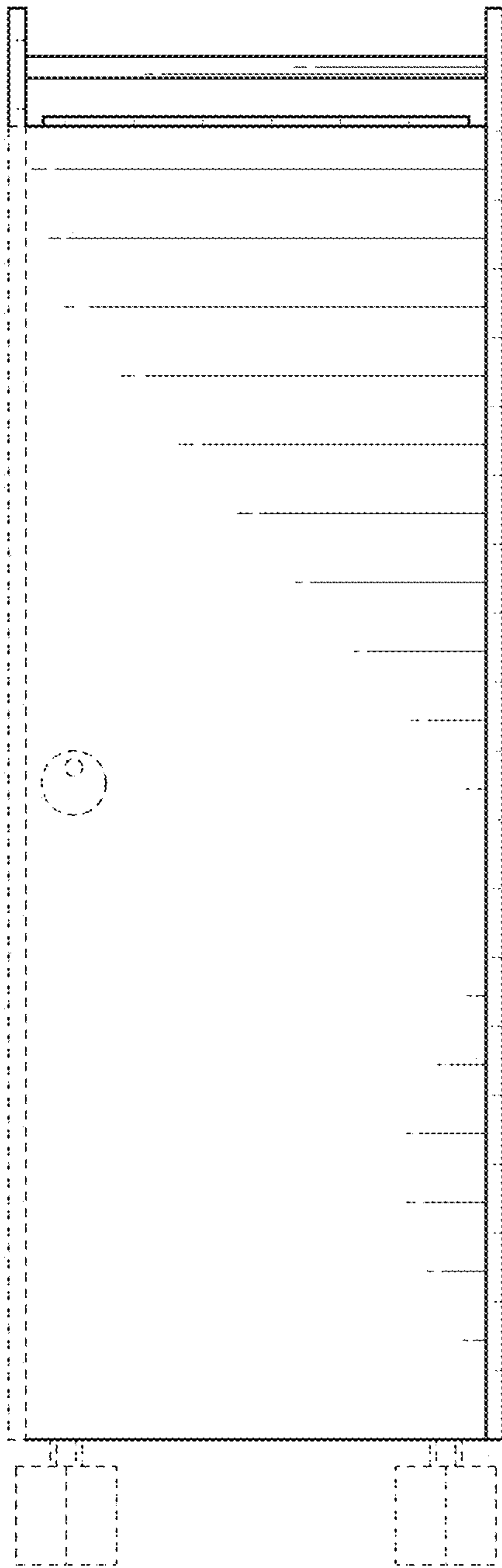


FIG. 5

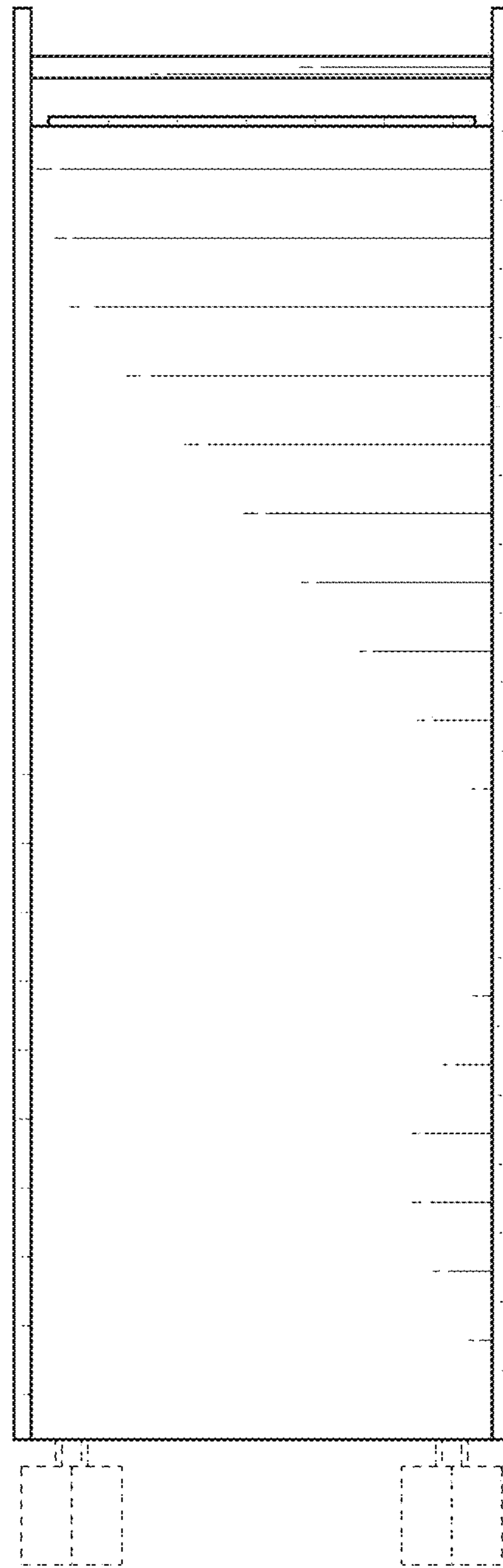


FIG. 6

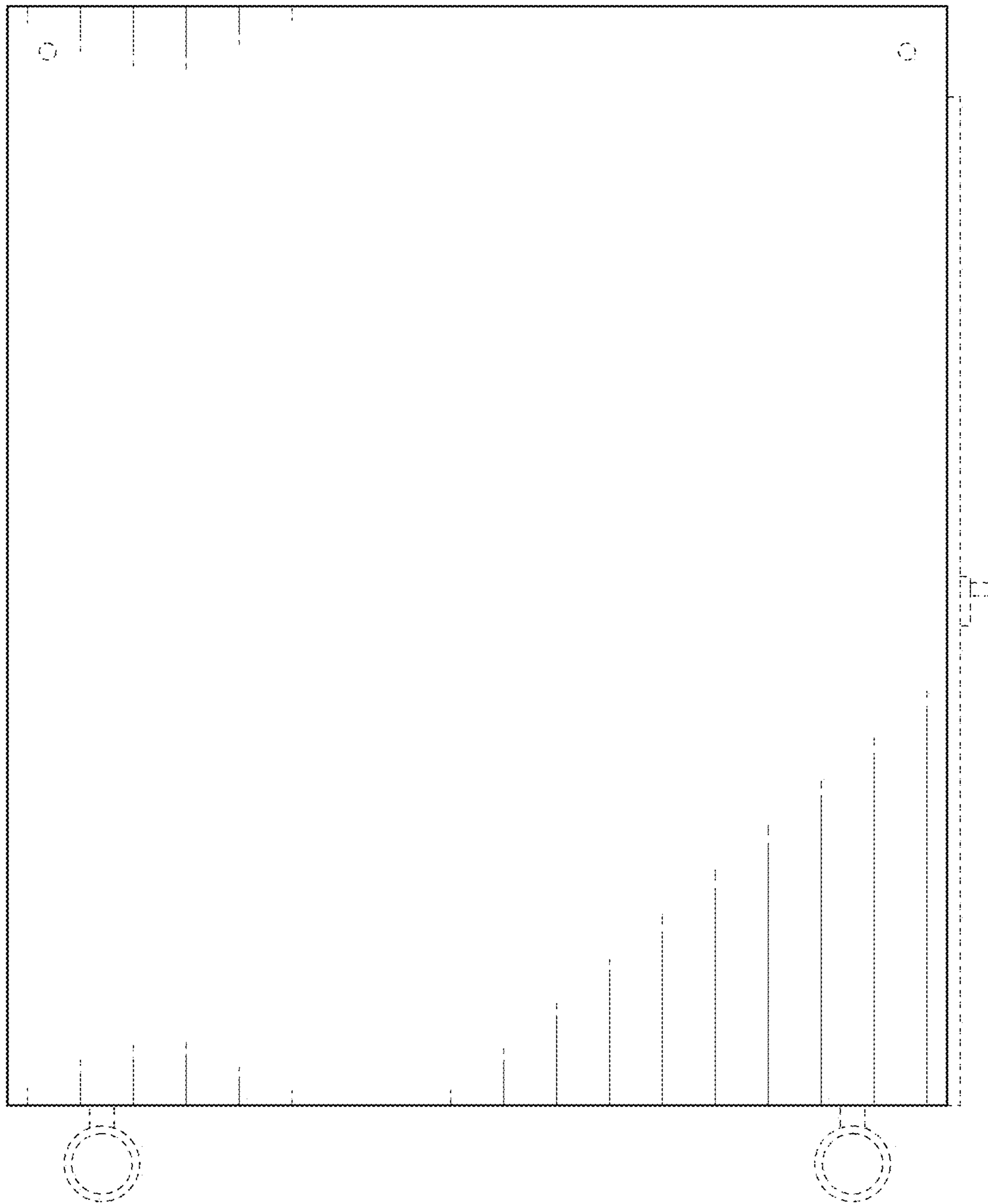


FIG. 7

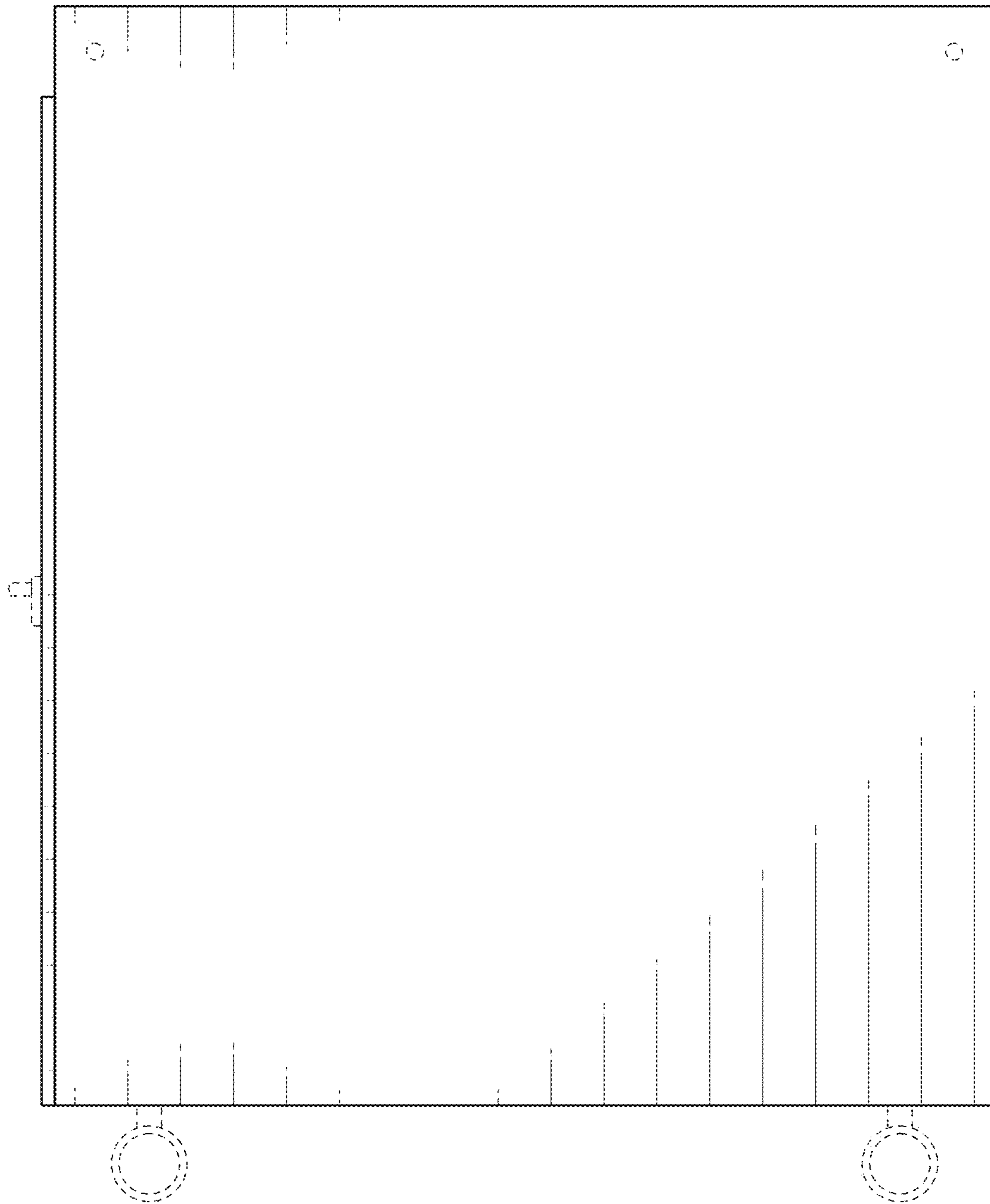


FIG. 8

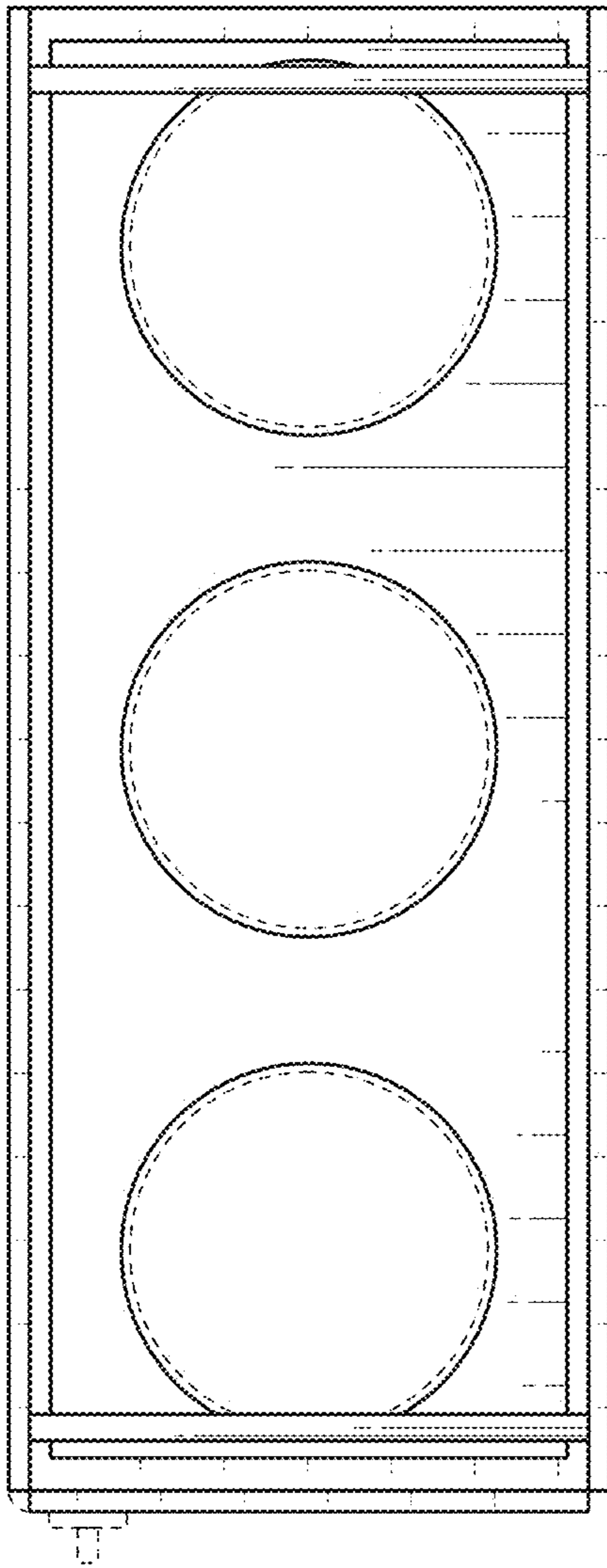


FIG. 9

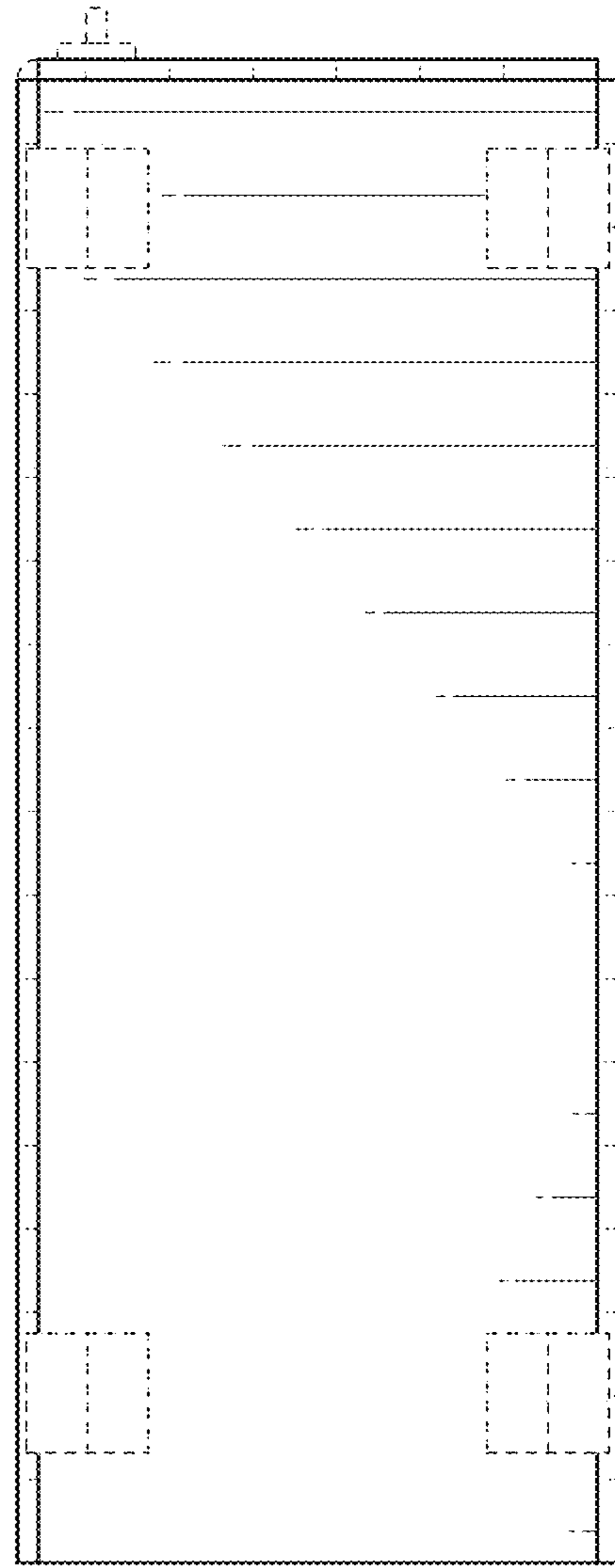


FIG. 10