

US00D766839S

(12) **United States Design Patent** (10) **Patent No.:** **US D766,839 S**
Ringer (45) **Date of Patent:** **** *Sep. 20, 2016**

(54) **MODULE RACK**

- (71) Applicant: **SIEMENS AKTIENGESELLSCHAFT**, Munich (DE)
- (72) Inventor: **Ulrich Ringer**, Amberg (DE)
- (73) Assignee: **Siemens Aktiengesellschaft**, Munich (DE)
- (*) Notice: This patent is subject to a terminal disclaimer.
- (**) Term: **14 Years**
- (21) Appl. No.: **29/502,000**
- (22) Filed: **Sep. 10, 2014**

Related U.S. Application Data

- (62) Division of application No. 29/424,798, filed on Jun. 15, 2012, now Pat. No. Des. 733,665.

Foreign Application Priority Data

- Dec. 16, 2011 (EM) 001306500
- (51) **LOC (10) Cl.** **13-03**
- (52) **U.S. Cl.**
USPC **D13/162; D13/162.1**
- (58) **Field of Classification Search**
USPC D13/162, 162.1; D14/301, 439
CPC ... G05B 19/05; G06F 3/147; G06F 11/3636;
H05K 7/1432; H05K 7/1467; H05K 7/1468;
H05K 7/1471; H05K 7/1474; H05K 7/1478;
H05K 7/1481

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D269,605	S *	7/1983	Provanzano et al.	D13/162.1
D281,493	S *	11/1985	Prager et al.	D13/162.1
D302,972	S *	8/1989	Boucher	D13/162.1
D307,263	S *	4/1990	Ishida	D13/162.1
4,920,453	A *	4/1990	Onose et al.	361/736
D309,446	S *	7/1990	Russell	D13/162.1
D309,600	S *	7/1990	Backes	D13/162.1
5,065,141	A *	11/1991	Whitsitt	340/635
5,253,140	A *	10/1993	Inoue et al.	361/728
5,791,916	A *	8/1998	Schirbl et al.	439/76.1
5,802,389	A *	9/1998	McNutt	710/1
5,984,734	A *	11/1999	Piper et al.	439/717
6,008,985	A *	12/1999	Lake et al.	361/679.32
6,172,875	B1 *	1/2001	Suzuki et al.	361/729
6,456,495	B1 *	9/2002	Wieloch et al.	361/729
6,686,672	B2 *	2/2004	Brown et al.	307/125

(Continued)

Primary Examiner — Selina Sikder

(74) *Attorney, Agent, or Firm* — Cozen O'Connor

(57) **CLAIM**

The ornamental design for a module rack, as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view of a module rack for a programmable logic controller (PLC) showing my new design;

FIG. 2 is a rear elevational view of the module rack;

FIG. 3 is a top plan view of the module rack;

FIG. 4 is a bottom plan view of the module rack;

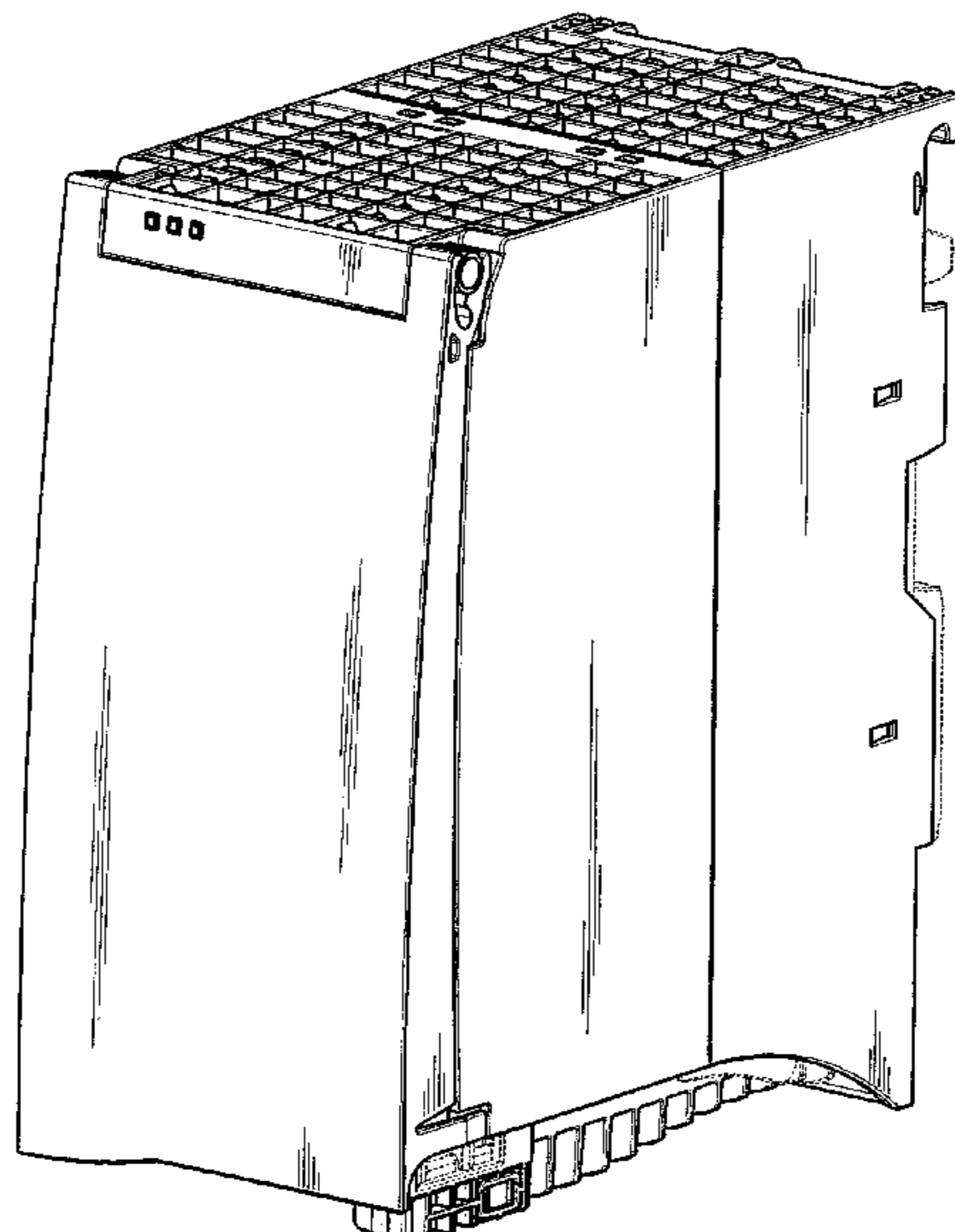
FIG. 5 is a right-side elevation view of the module rack;

FIG. 6 is left-side elevation view of the module rack; and,

FIG. 7 is a perspective view of the module rack.

The broken line portion of the figure drawings is included to show unclaimed subject matter only and forms no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D488,133 S *	4/2004	Droulin et al.	.....	D13/162.1	D588,552 S *	3/2009	Radau et al.	.....	D13/162
6,904,471 B2 *	6/2005	Boggs et al.	.....	710/8	D598,867 S *	8/2009	Nada et al.	.....	D13/162.1
7,027,296 B2 *	4/2006	Bock	.....	361/622	D692,397 S *	10/2013	Liu et al.	.....	D13/162.1
D520,992 S *	5/2006	Lee	.....	D14/301	8,602,816 B2 *	12/2013	Donhauser et al.	.....	439/532
7,066,677 B2 *	6/2006	Ruter	.....	403/231	D702,647 S *	4/2014	Liu et al.	.....	D13/162.1
D524,760 S *	7/2006	Ohlwine et al.	.....	D13/162.1	D733,665 S *	7/2015	Ringer	.....	D13/162.1
D527,349 S *	8/2006	Lee	.....	D13/162.1	2002/0072256 A1 *	6/2002	Lostoski et al.	.....	439/76.1
D563,903 S *	3/2008	Radau et al.	.....	D13/162	2012/0043378 A1 *	2/2012	Vazach et al.	.....	235/375
					2012/0129368 A1 *	5/2012	Donhauser et al.	.....	439/137
					2014/0118958 A1 *	5/2014	Hamada et al.	.....	361/728
					2014/0156029 A1 *	6/2014	Godau et al.	.....	700/19

* cited by examiner

FIG 1

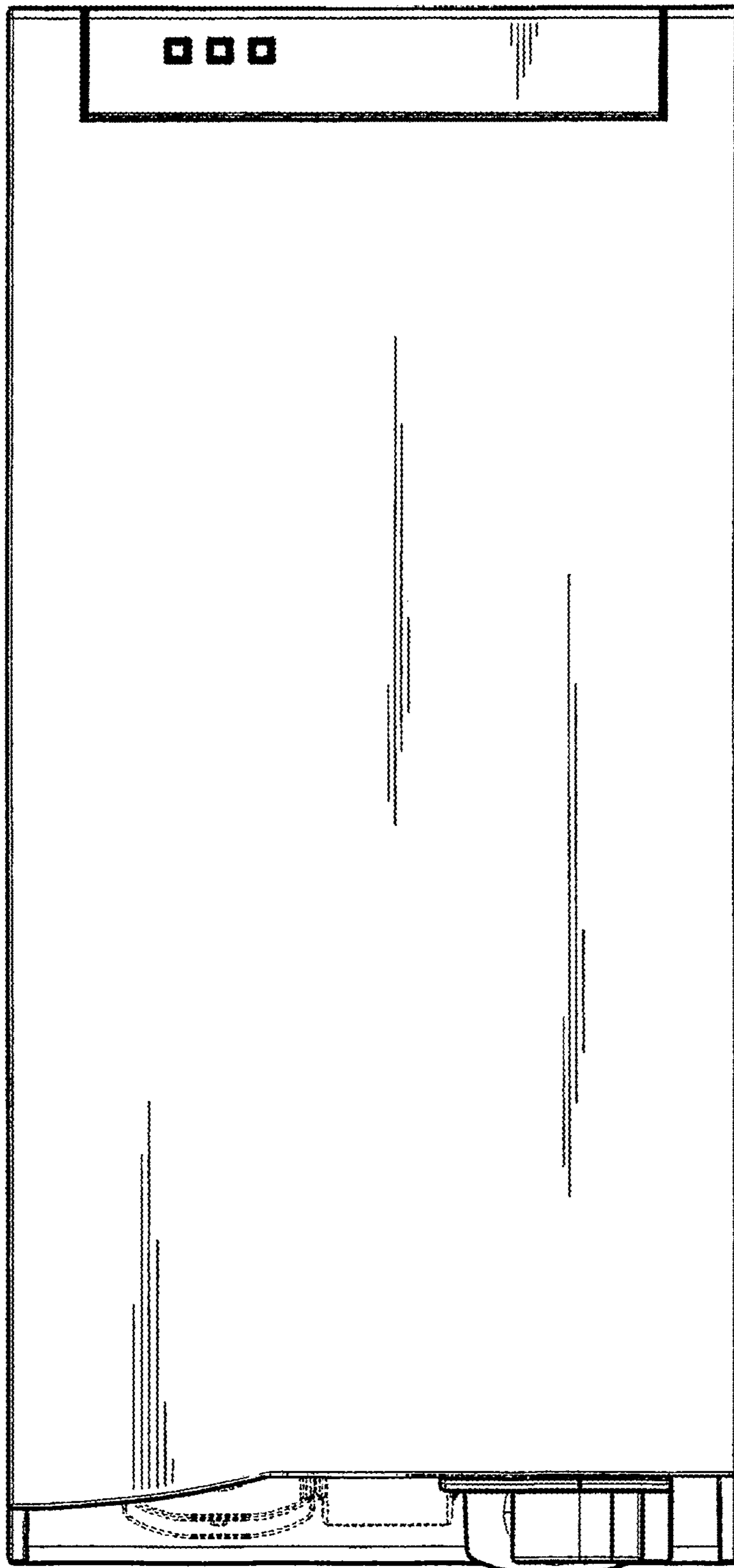


FIG 2

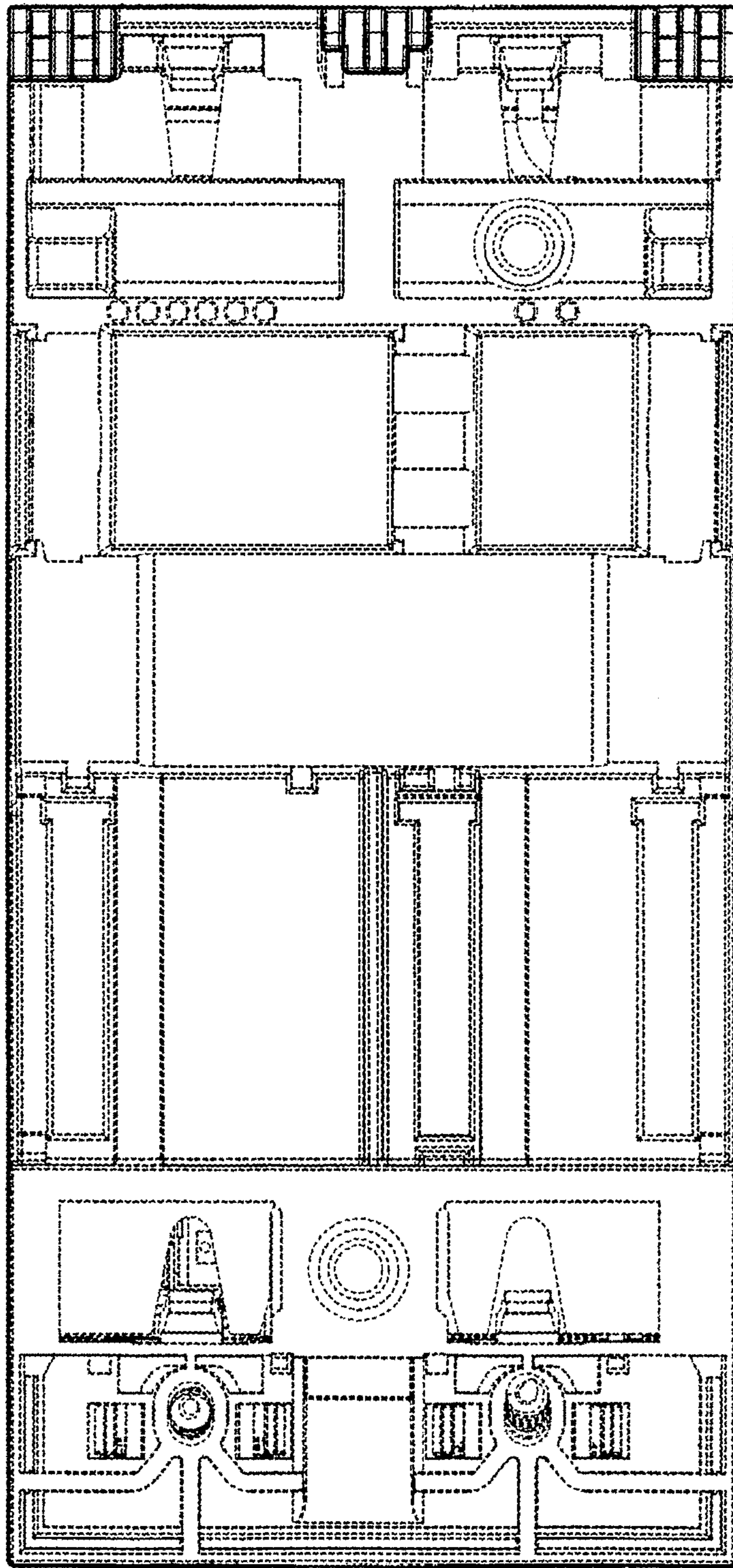


FIG 3

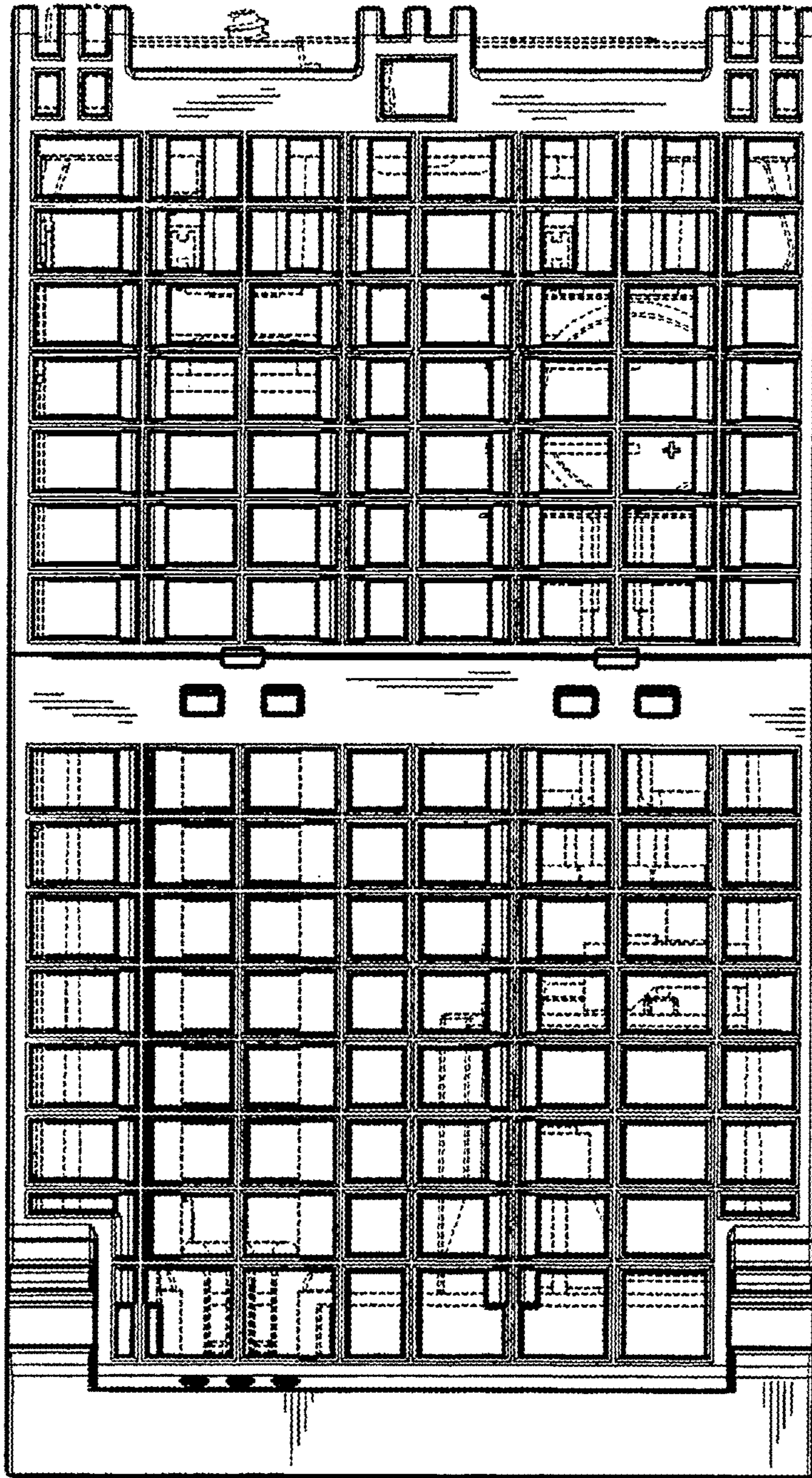


FIG 4

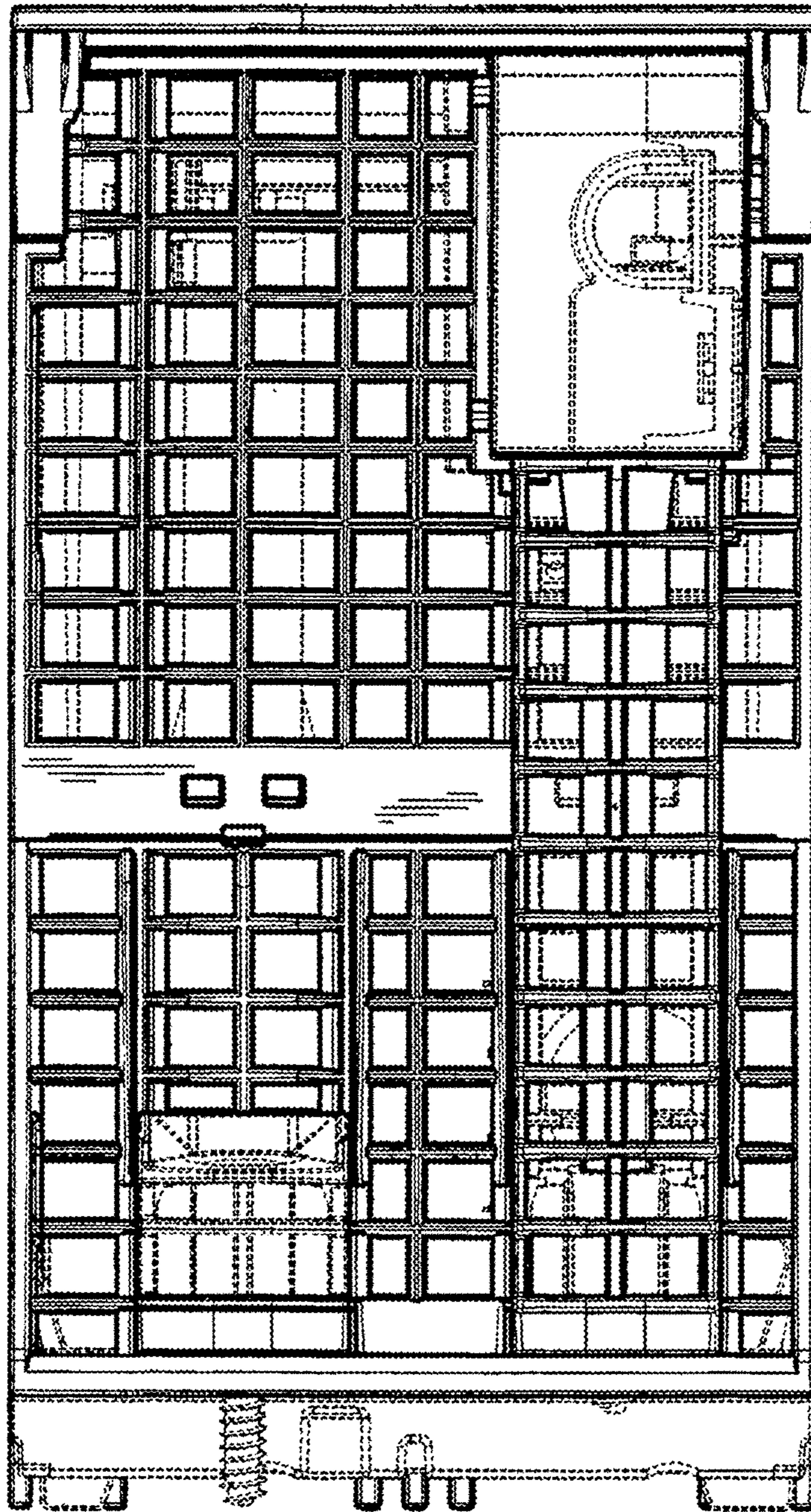


FIG 5

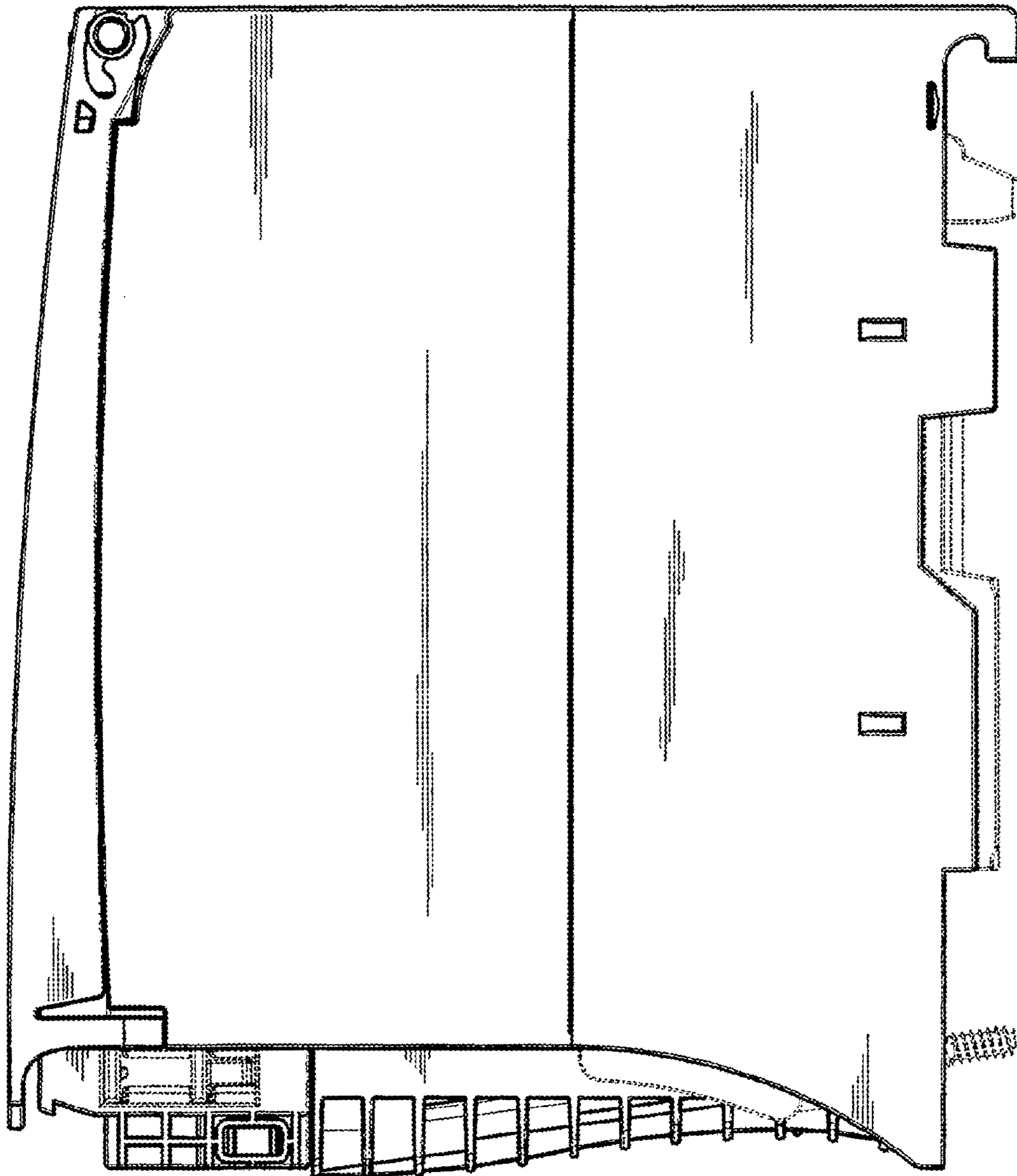


FIG 6

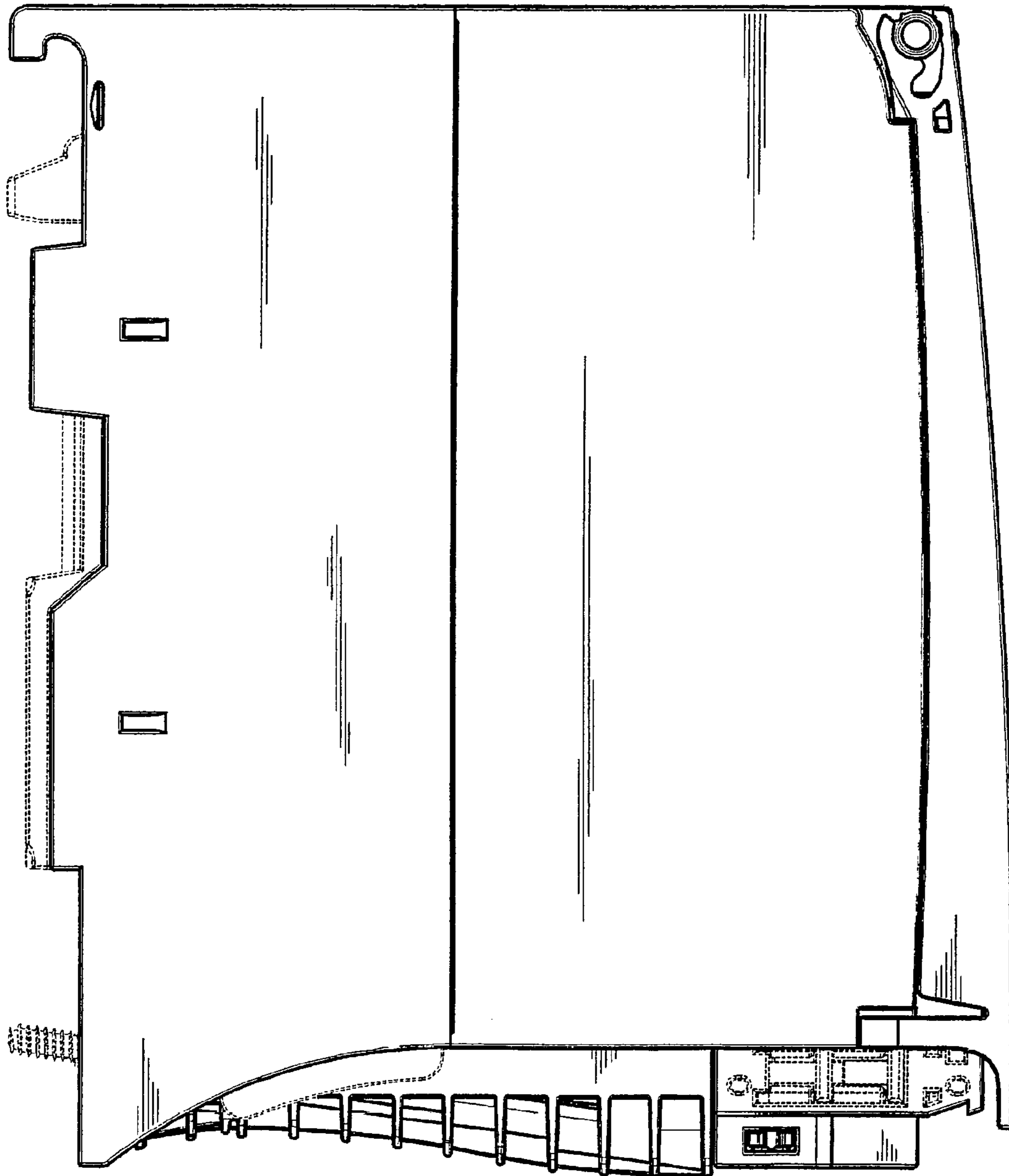


FIG 7

