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

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(45) **Date of Patent:** **** Jun. 3, 2008**

(54) **ELECTRICAL TRANSFORMER**

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- (73) Assignee: **ABB Technology AG** (CH)
- (**) Term: **14 Years**
- (21) Appl. No.: **29/282,093**
- (22) Filed: **Jul. 11, 2007**

Related U.S. Application Data

- (62) Division of application No. 29/275,256, filed on Dec. 19, 2006, now Pat. No. Des. 550,155, which is a division of application No. 29/204,775, filed on May 5, 2004, now Pat. No. Des. 542,734.

Foreign Application Priority Data

- (30) Nov. 12, 2003 (EM) 000102397

- (51) **LOC (8) Cl.** **13-02**
- (52) **U.S. Cl.** **D13/110**
- (58) **Field of Classification Search** D13/110,
D13/101, 199; 174/52 R; 220/4.02; 336/92,
336/94, 98, 107; 363/153, 171
See application file for complete search history.

References Cited

U.S. PATENT DOCUMENTS

2,325,470	A *	7/1943	Bonanno et al.	336/92
D188,248	S	6/1960	Albright et al.		
D188,249	S	6/1960	Albright et al.		
2,947,957	A	8/1960	Spindler		
D202,045	S	8/1965	Oberlin		
3,479,563	A	11/1969	Roy		
4,027,279	A	5/1977	Shigehara et al.		
D254,846	S *	4/1980	Wood	D13/110
D257,342	S	10/1980	Payne		
D259,040	S	4/1981	Pierce		
D290,456	S	6/1987	Burgher et al.		
D348,868	S *	7/1994	Terlop et al.	D13/110
6,185,811	B1	2/2001	Perry et al.		

OTHER PUBLICATIONS

- ABB Inc., Power Transformers, 2003, 11 pgs.
- ASA Trafobau GMBH, 24 pgs., date unknown.
- Koncar-Distributivni I Specijalni Transformatori d.d., Power Transformers, (3,2) V 01, 8 pgs., date unknown.
- SGB Starkstrom and SMIT Transformers, Partners in Power, 6 pgs.
- MF Transformatori srl, Oil Filled Transformer, 14 pgs., date unknown.

* cited by examiner

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(57) **CLAIM**

The ornamental design for an electrical transformer, as shown and described.

DESCRIPTION

FIG. 1 is a front view of an electrical transformer showing our new design;

FIG. 2 is a top view thereof;

FIG. 3 is a side view thereof;

FIG. 4 is a perspective view thereof;

FIG. 5 is a front view of a second embodiment thereof;

FIG. 6 is a top view thereof;

FIG. 7 is a side view thereof;

FIG. 8 is a perspective view thereof;

FIG. 9 is a front view of a third embodiment thereof;

FIG. 10 is a top view thereof;

FIG. 11 is a side view thereof;

FIG. 12 is a perspective view thereof;

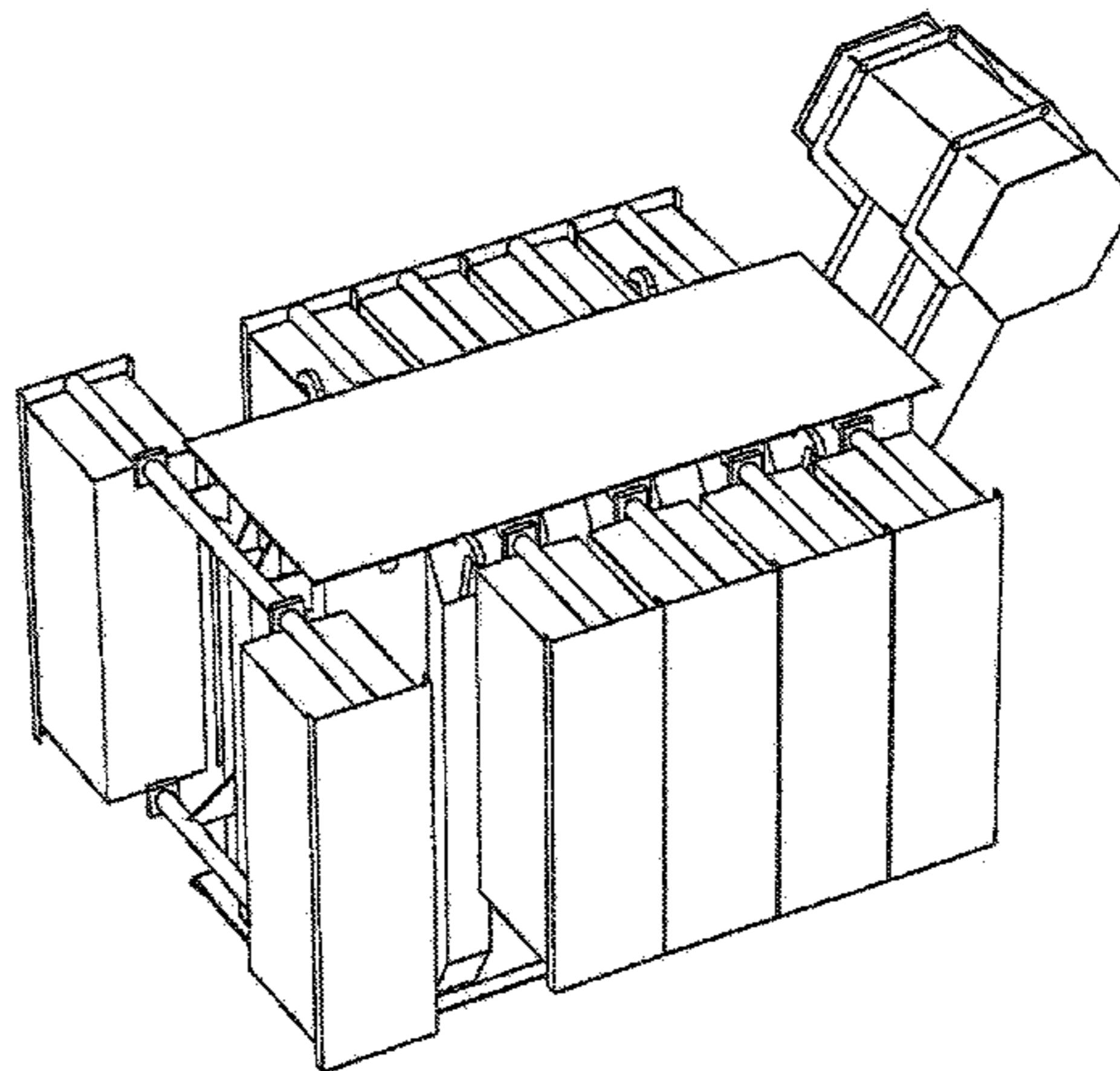
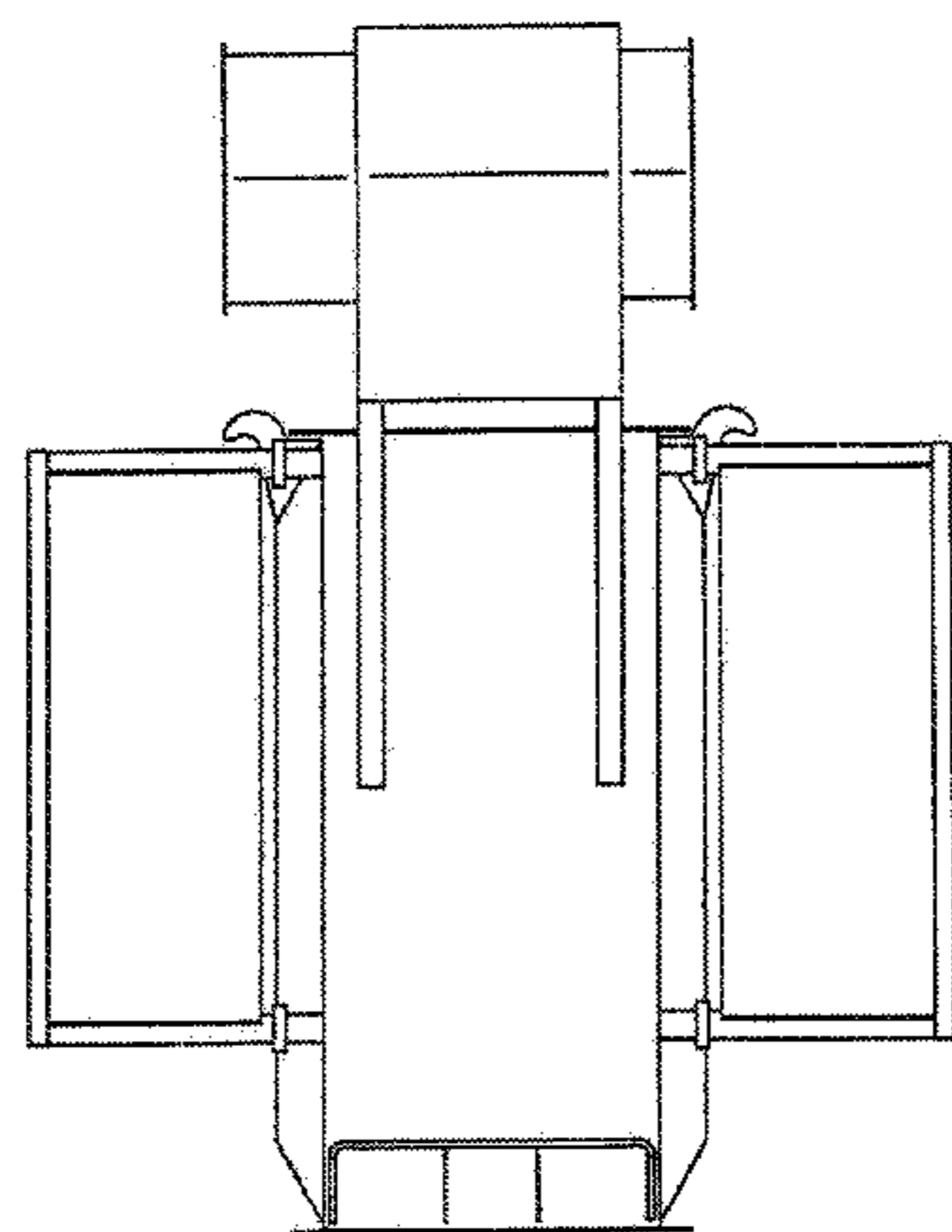
FIG. 13 is a front view of a fourth embodiment thereof;

FIG. 14 is a top view thereof;

FIG. 15 is a side view thereof; and,

FIG. 16 is a perspective view thereof.

1 Claim, 12 Drawing Sheets



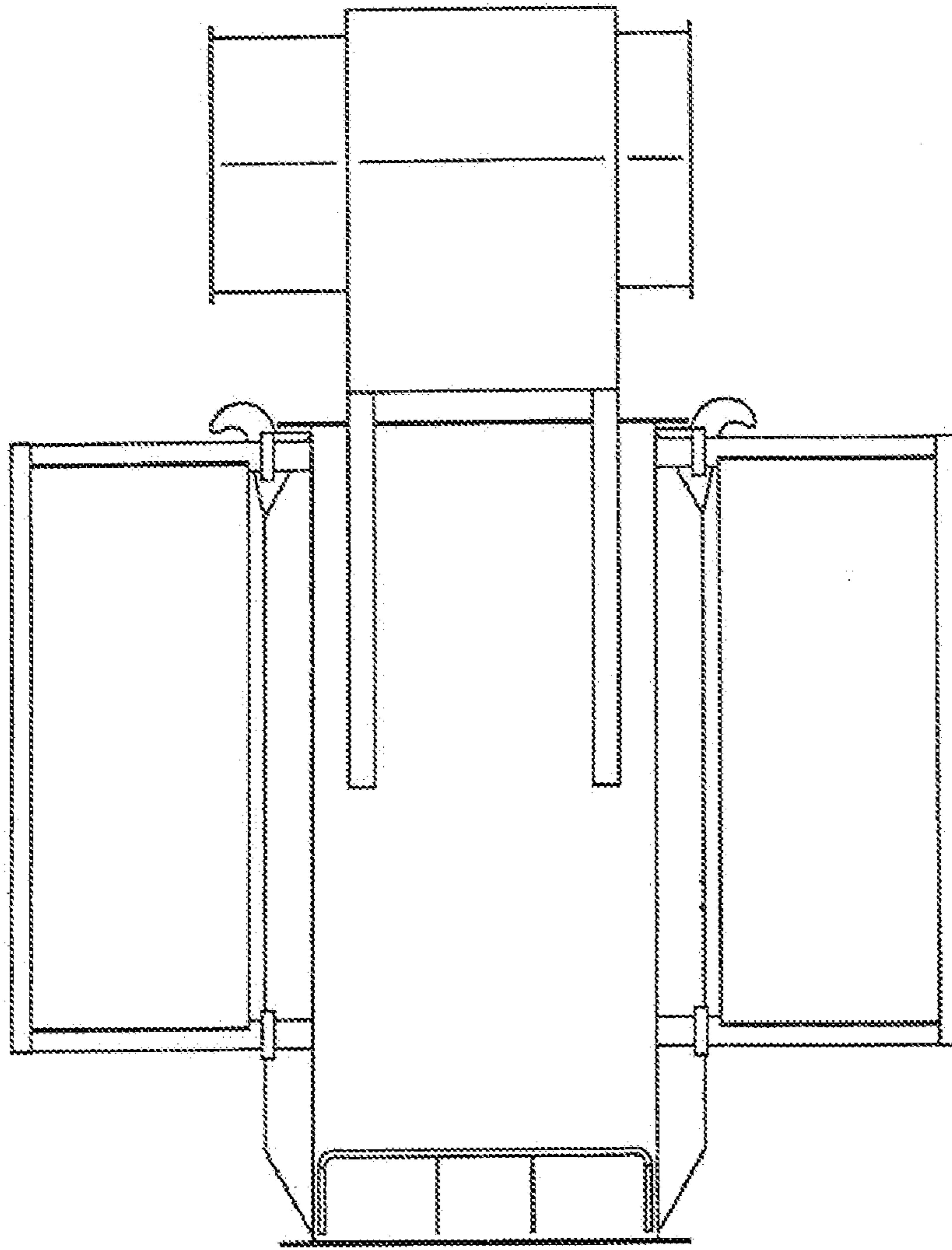


Fig. 1

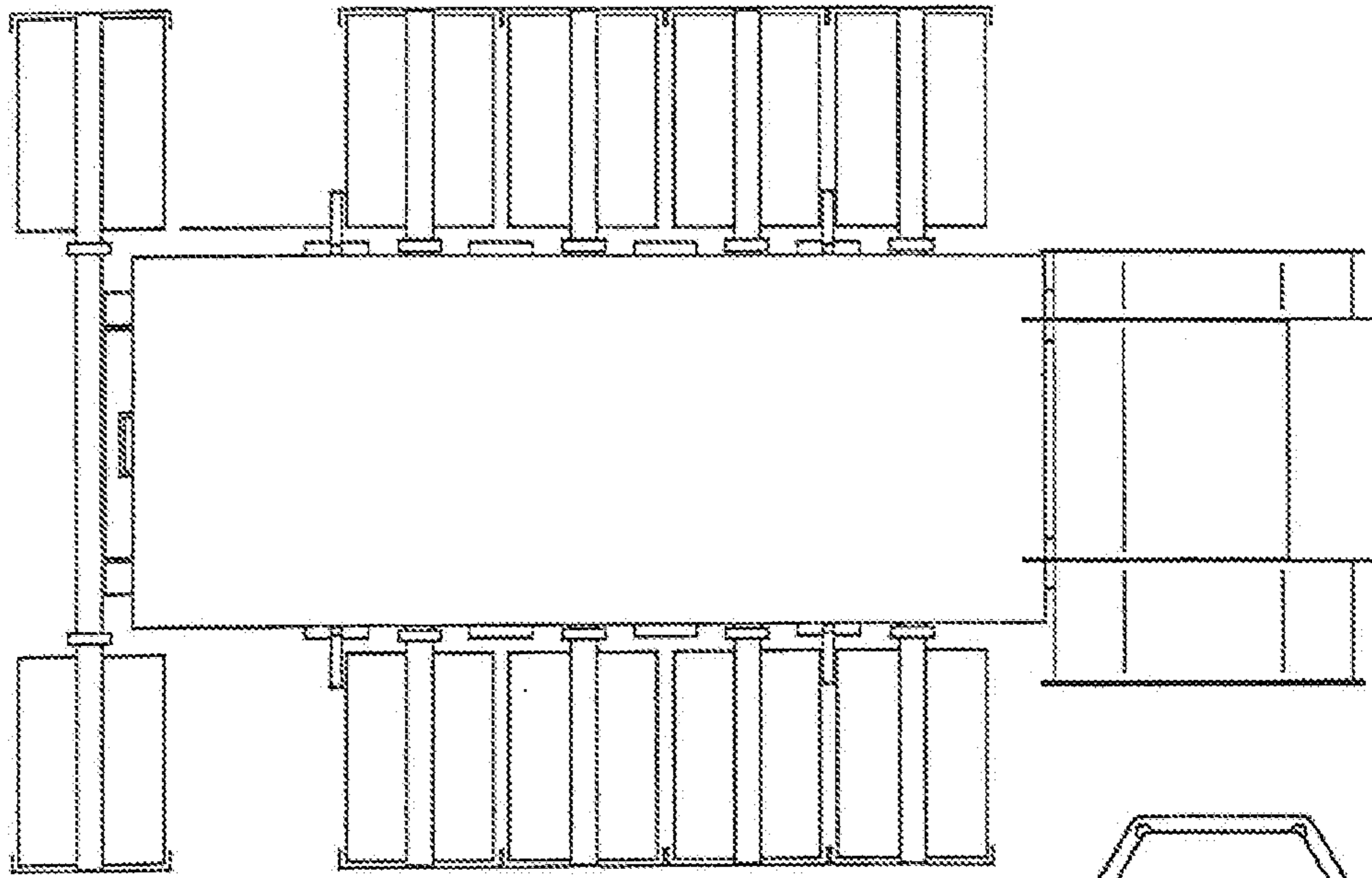


Fig. 2

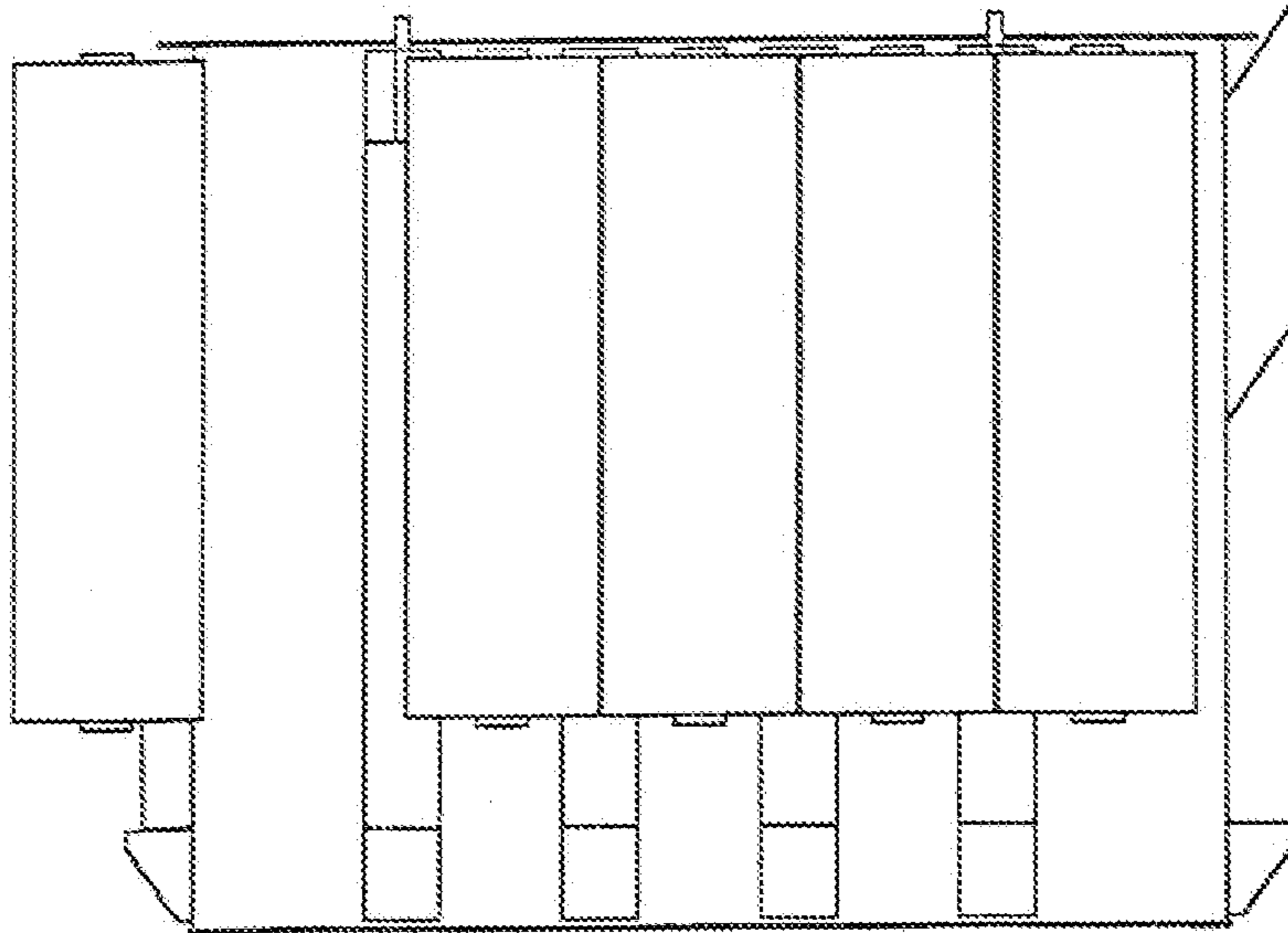


Fig. 3

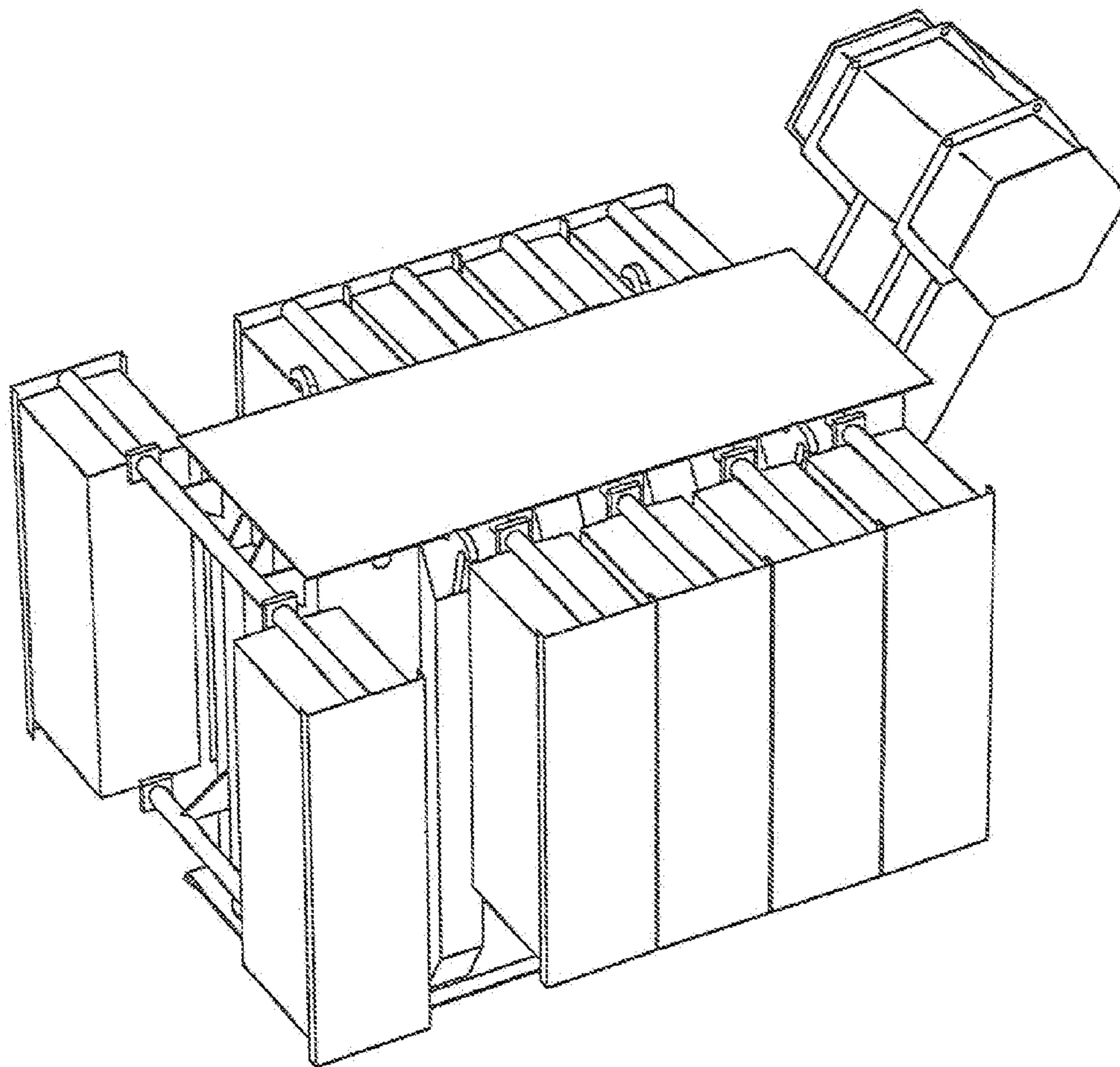


Fig. 4

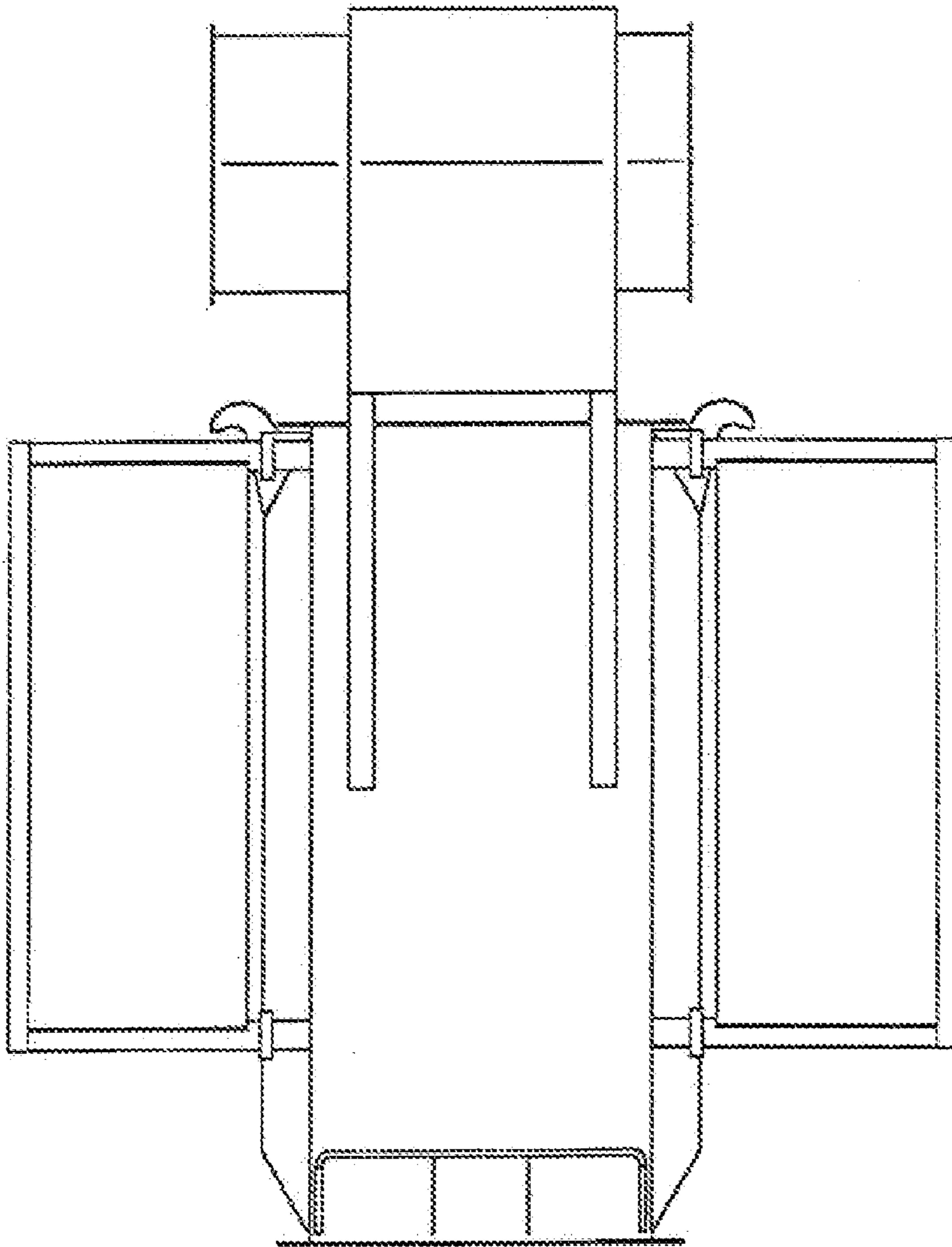


Fig. 5

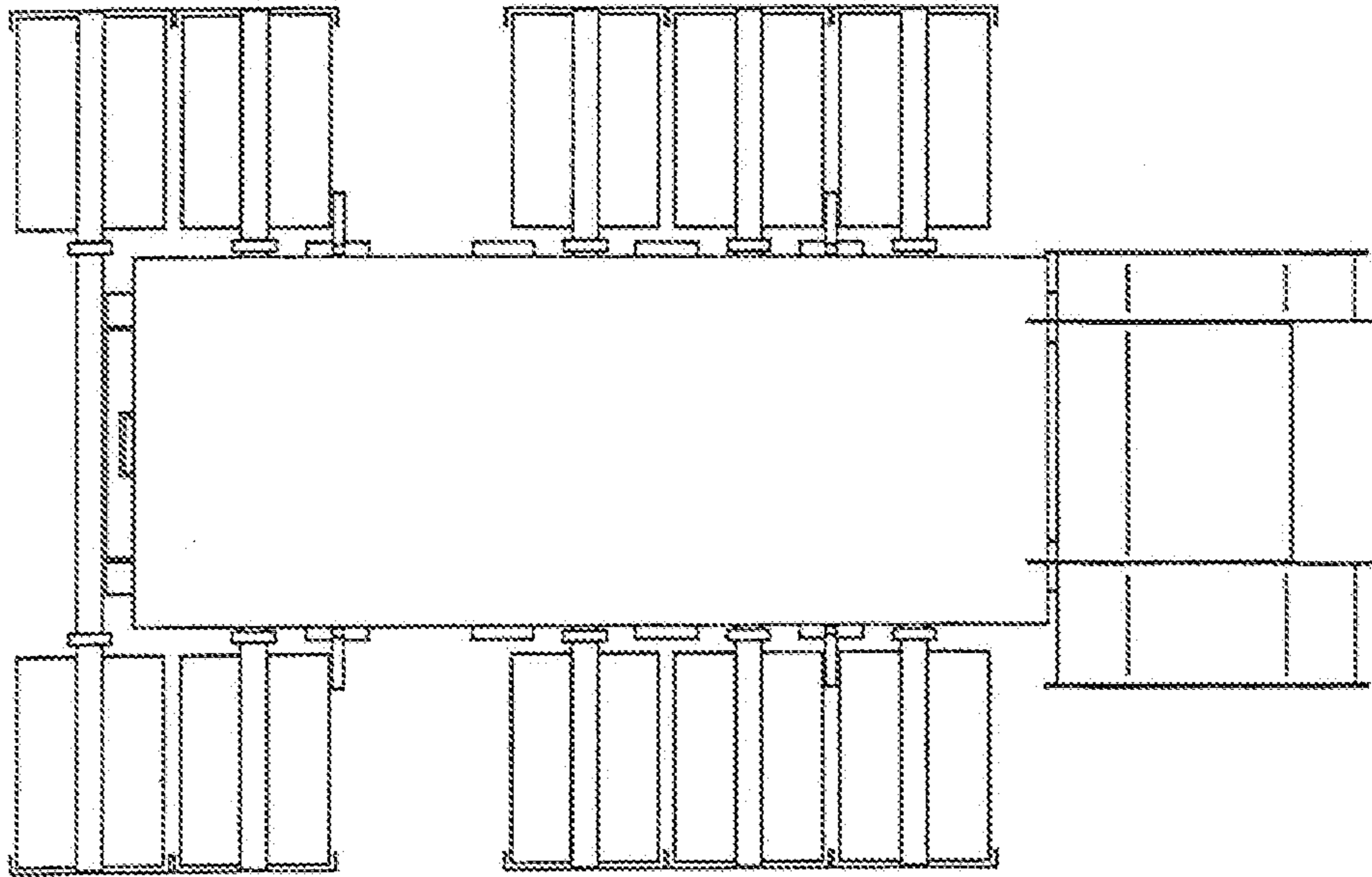


Fig. 6

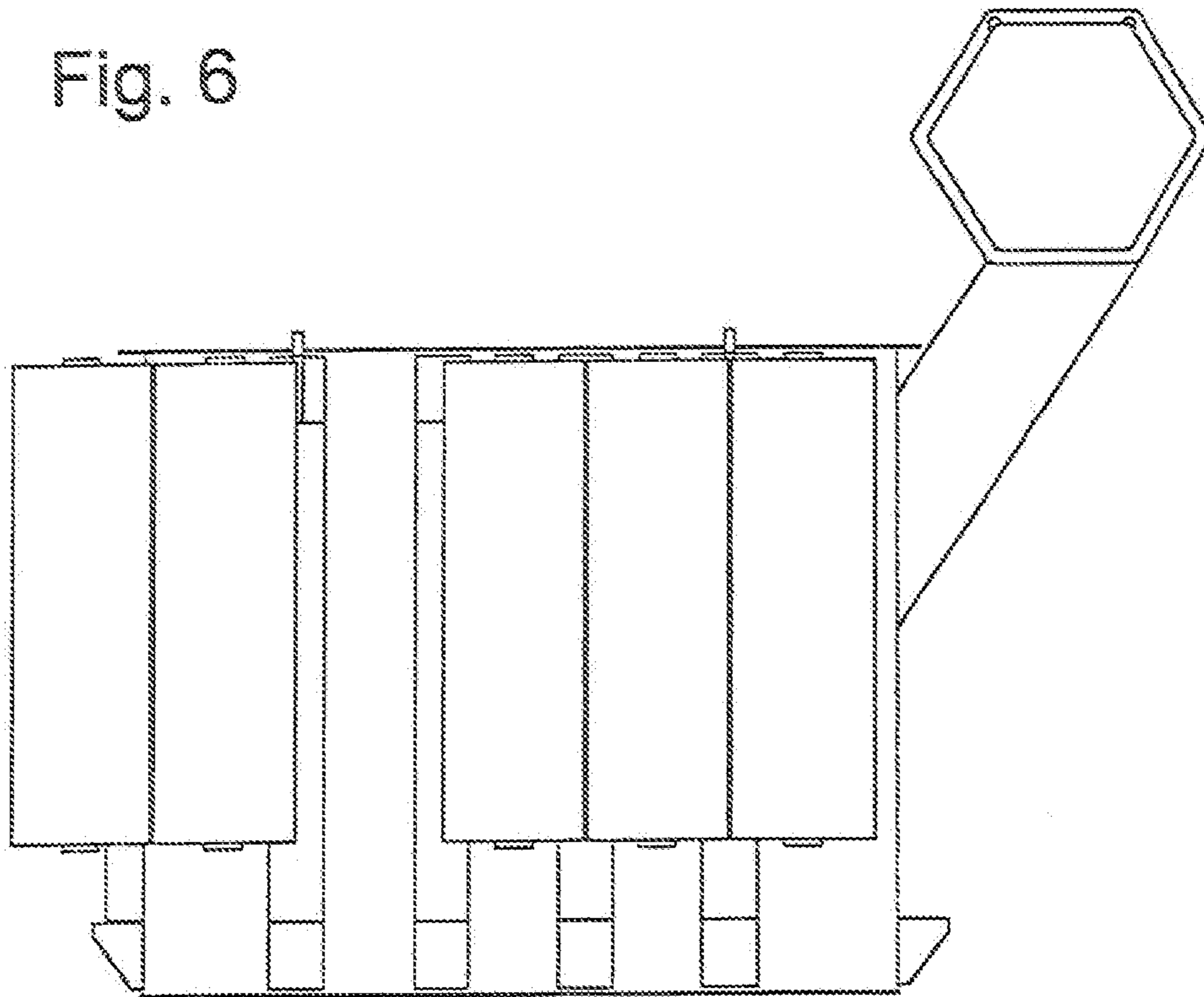


Fig. 7

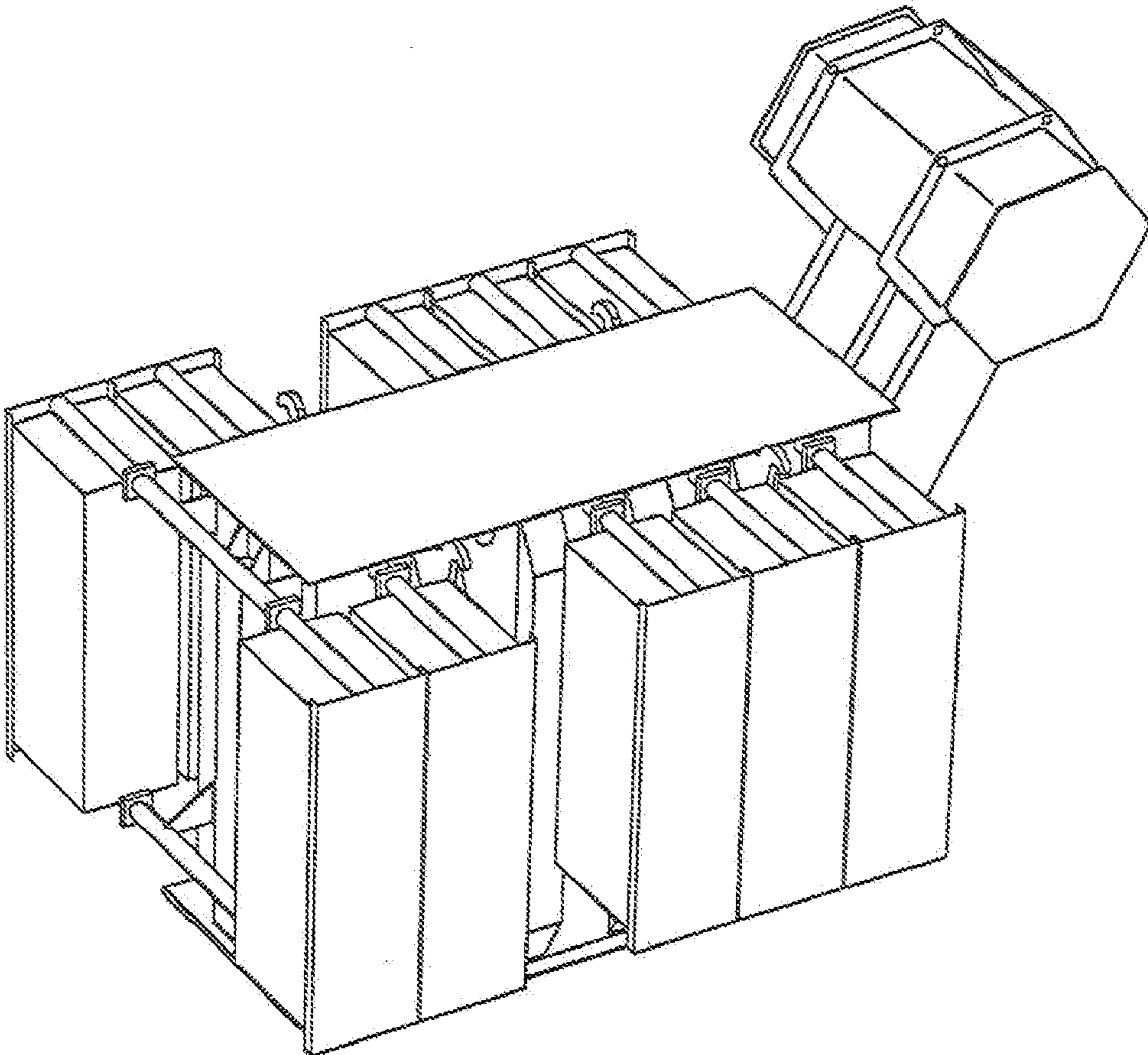


Fig. 8

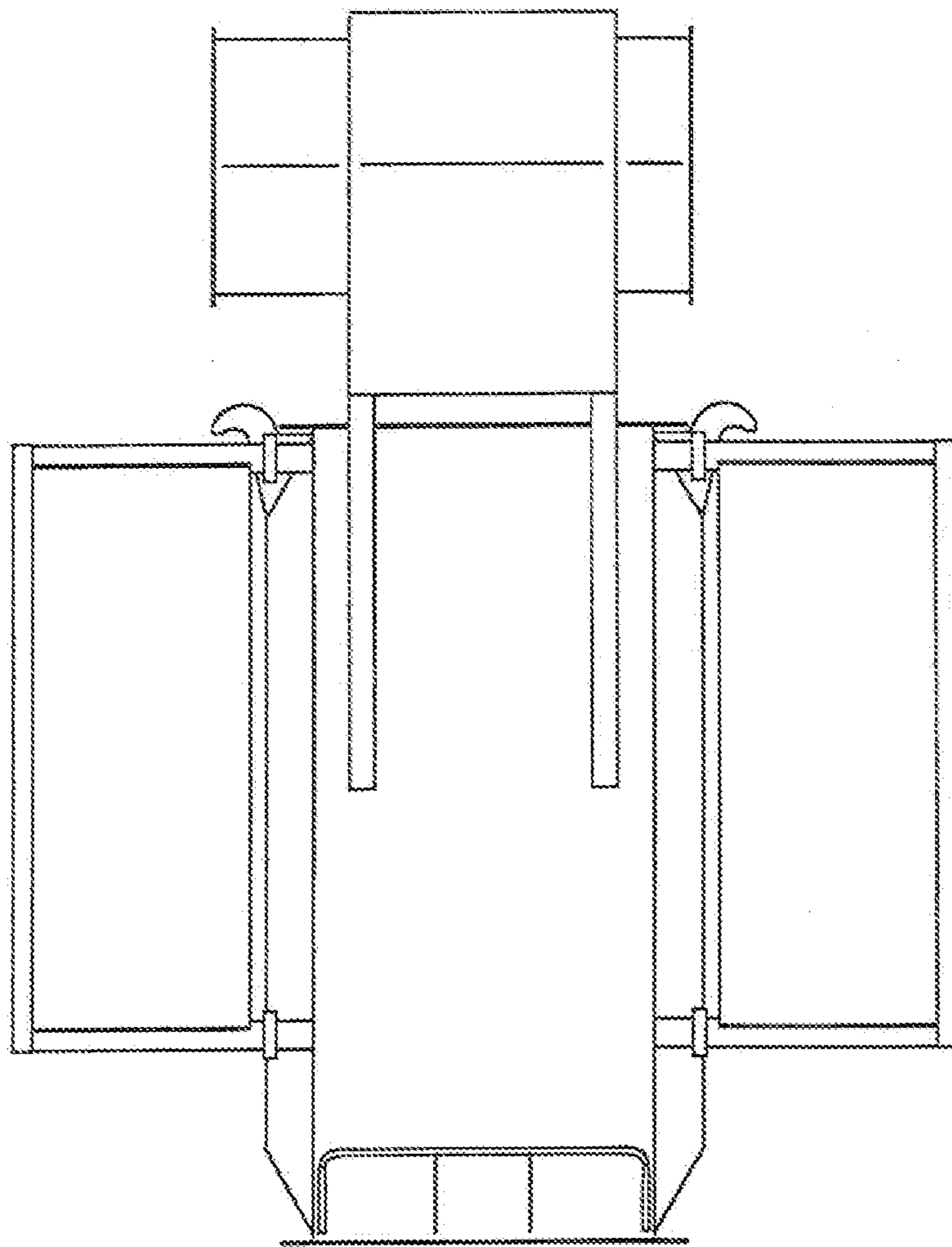


Fig. 9

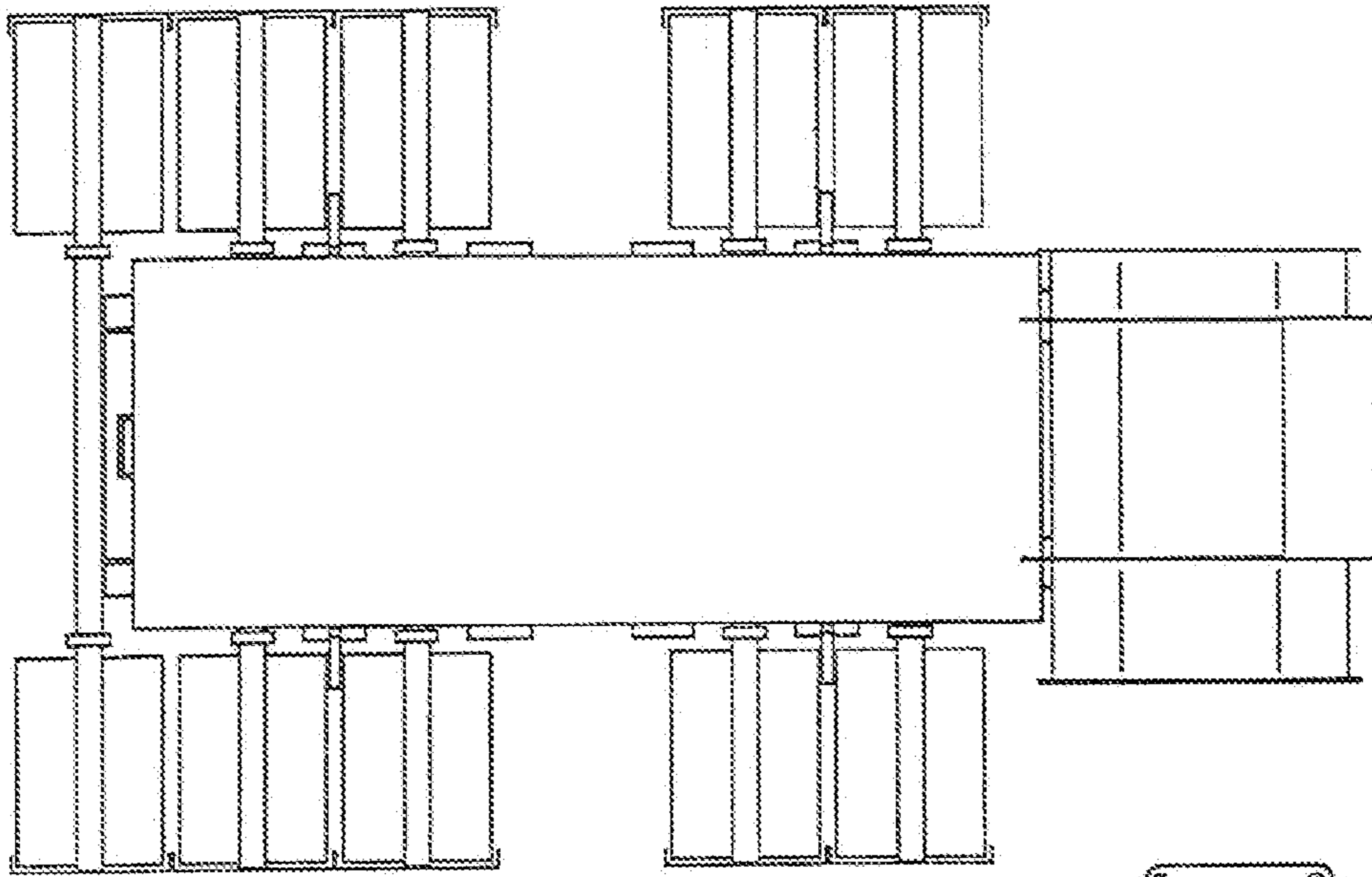


Fig. 10

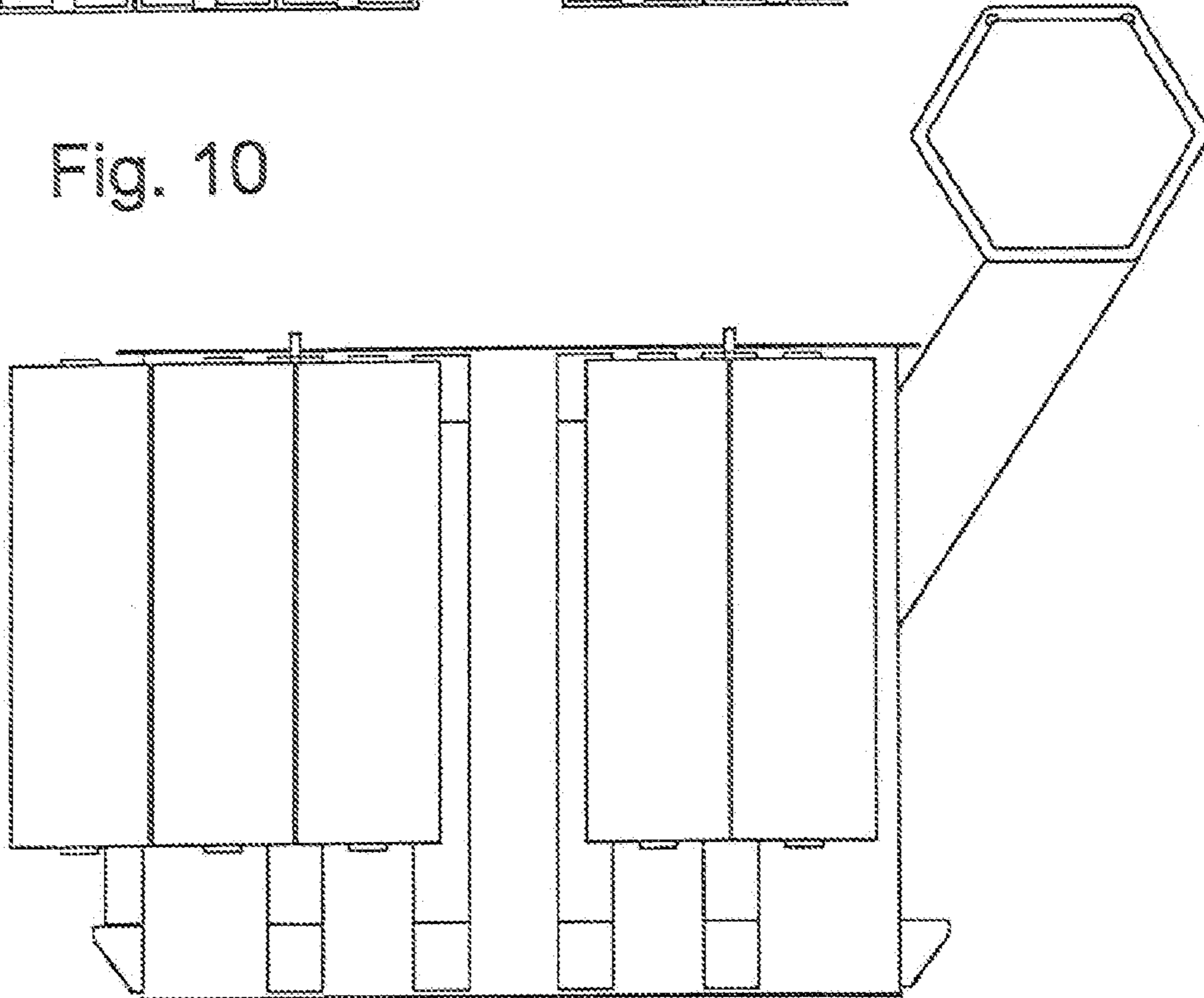


Fig. 11

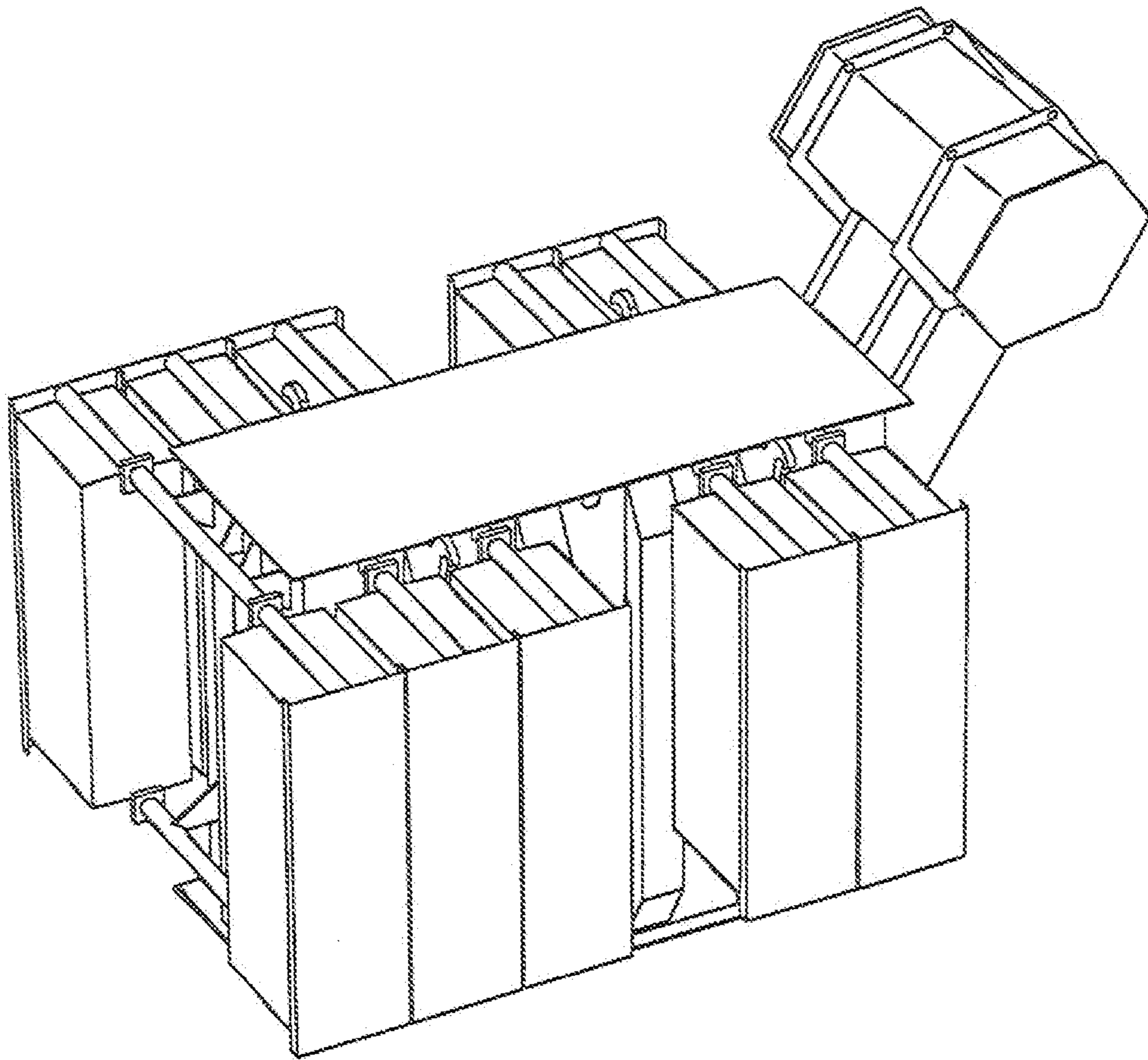


Fig. 12

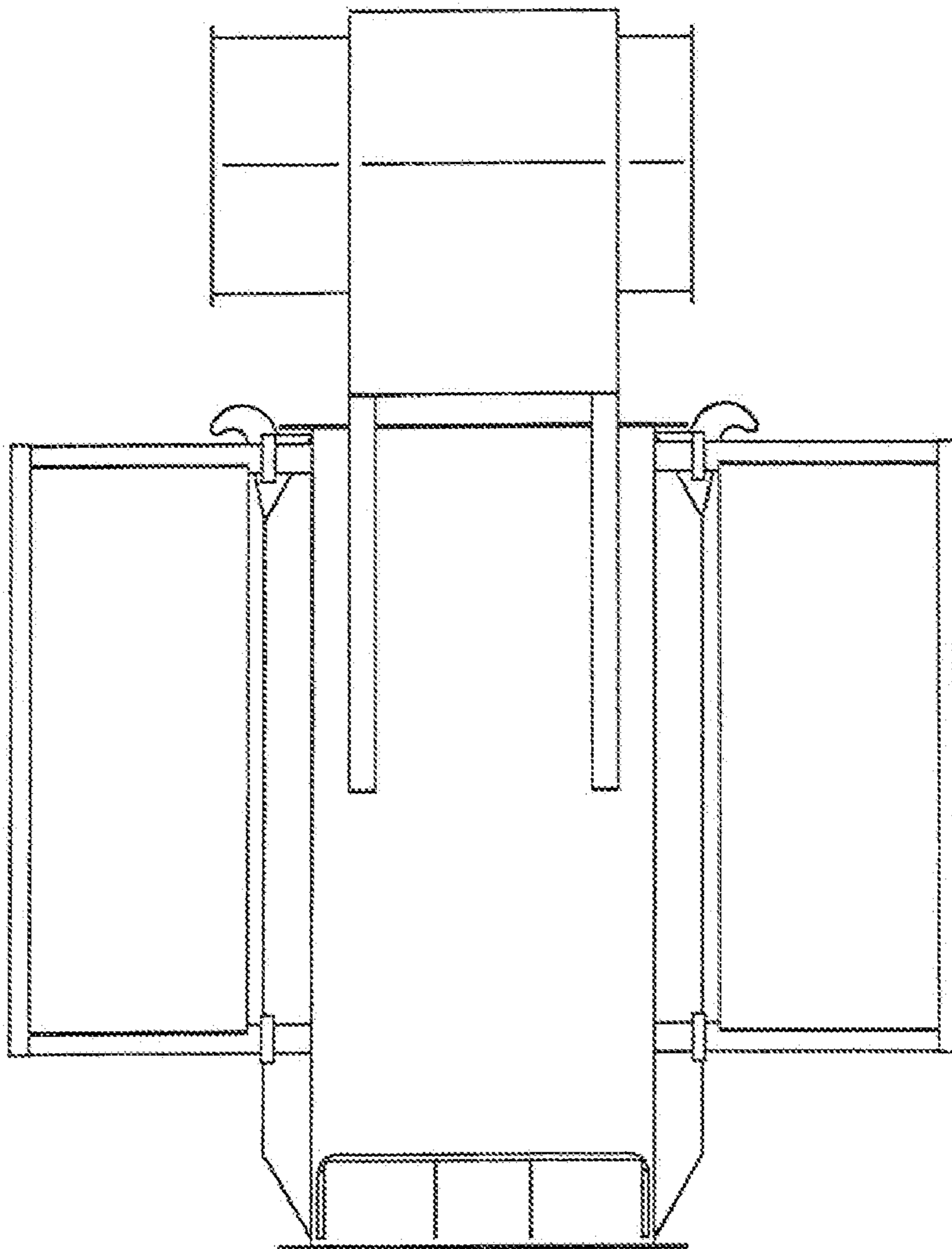


Fig. 13

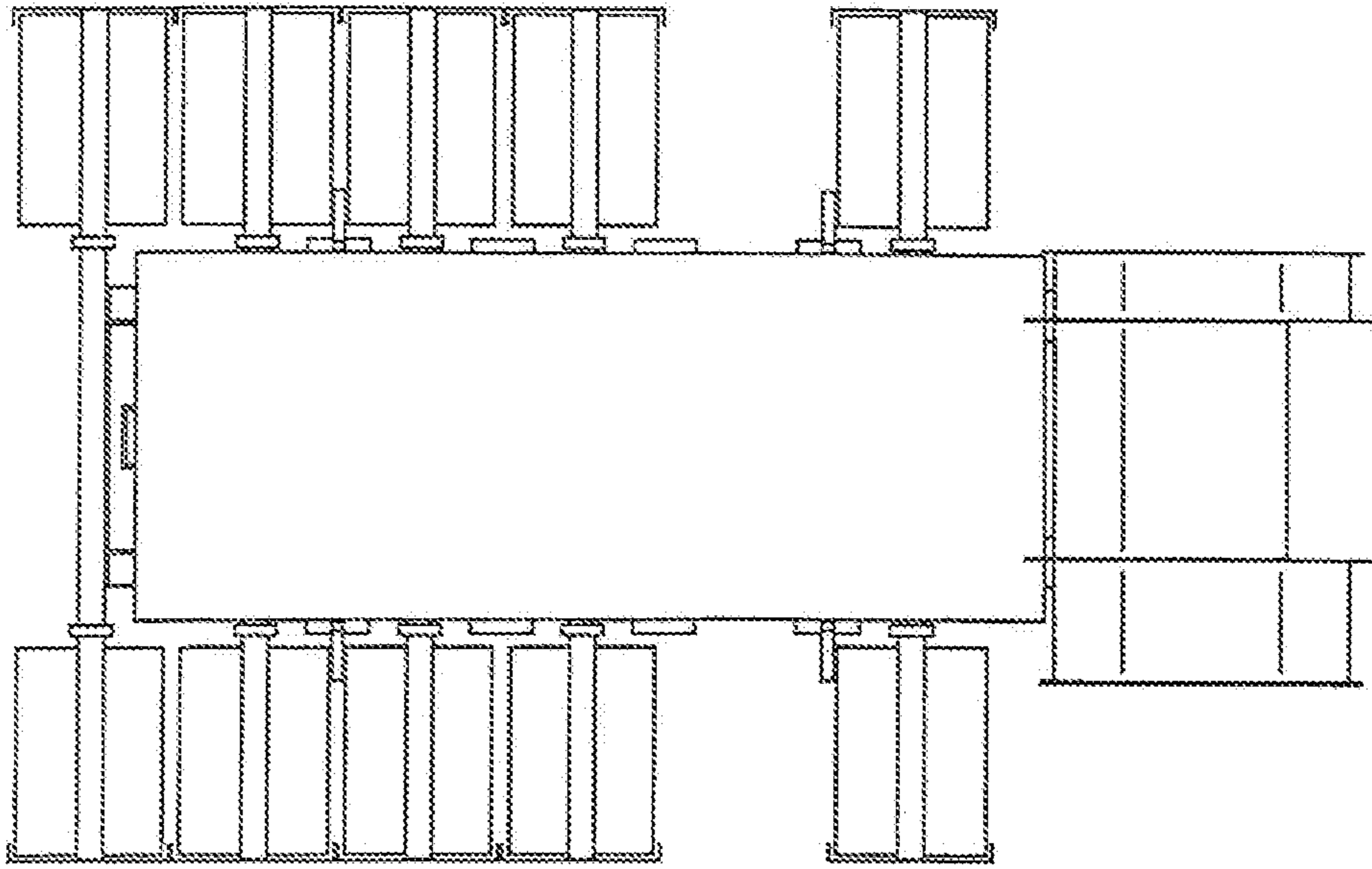


Fig. 14

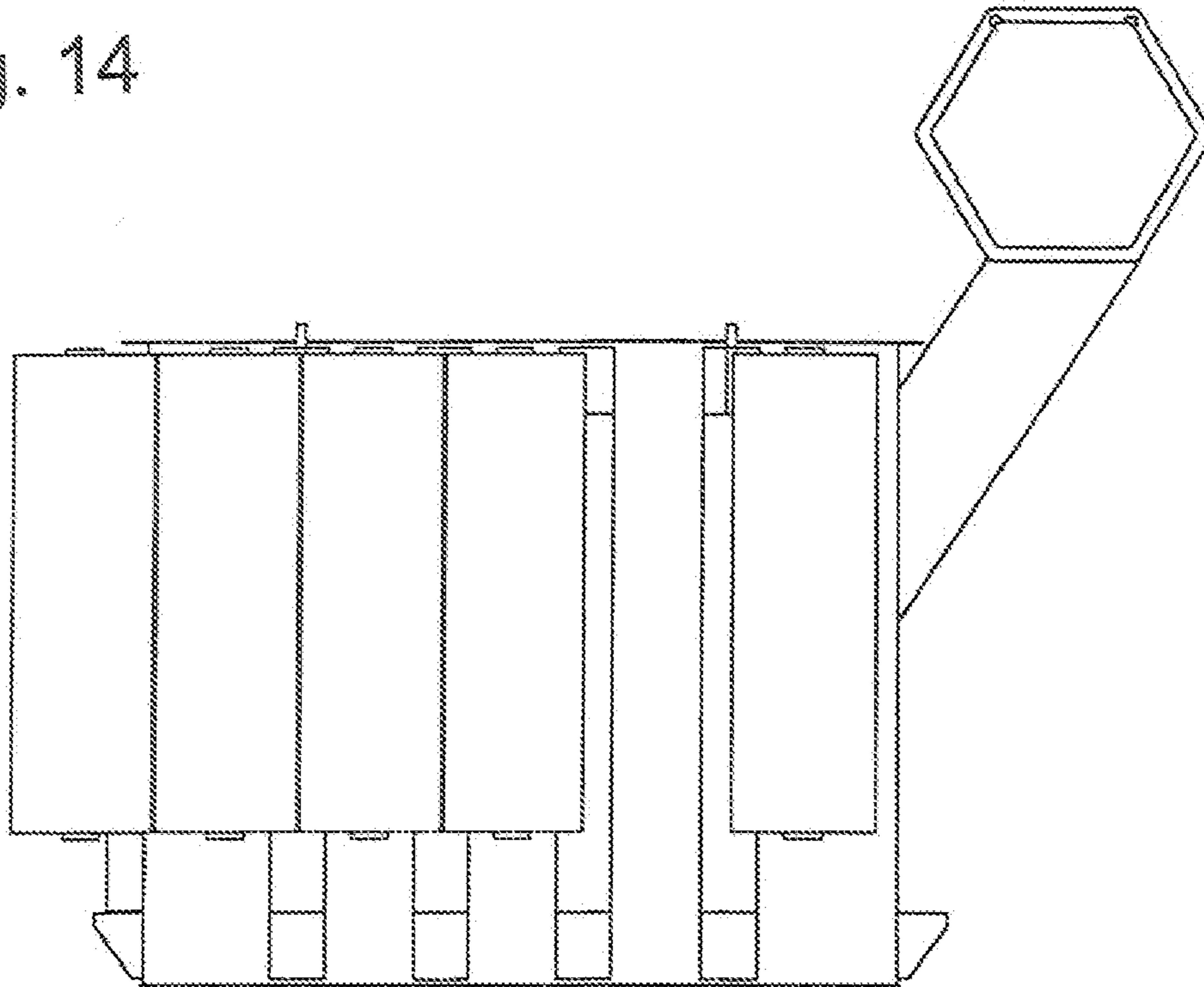


Fig. 15

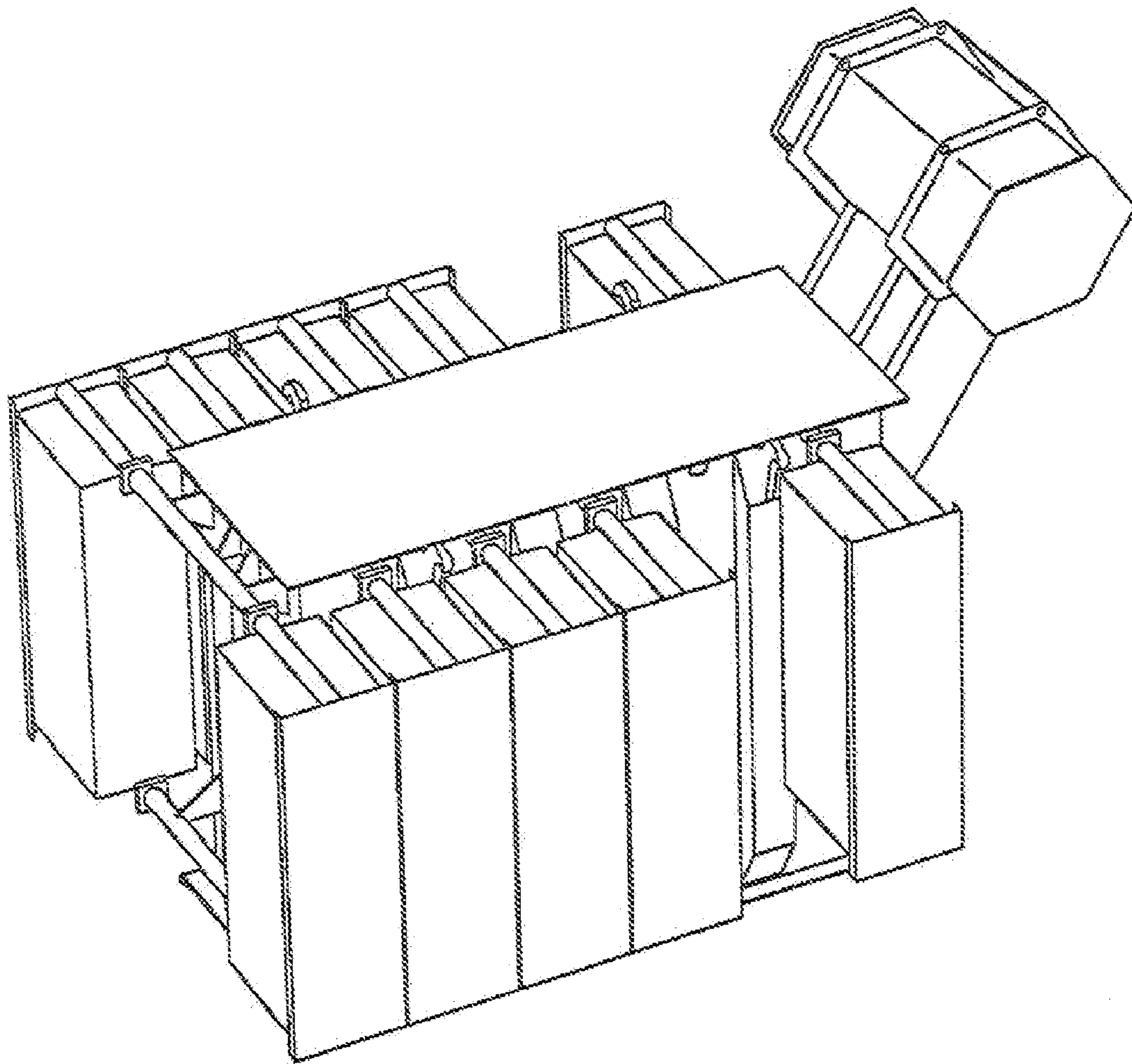


Fig. 16