

US00D491889S1

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

(10) **Patent No.:** **US D491,889 S**
(45) **Date of Patent:** **** Jun. 22, 2004**

(54) **ELECTRIC CONNECTOR**

(75) Inventors: **Masato Naganawa, Ikeda (JP);**
Katsuyoshi Fujiwara, Itami (JP);
Daisuke Kubo, Moriguchi (JP)

(73) Assignee: **J.S.T. MFG. Co., Ltd., Osaka (JP)**

(**) Term: **14 Years**

(21) Appl. No.: **29/179,410**

(22) Filed: **Apr. 10, 2003**

(30) **Foreign Application Priority Data**

Oct. 28, 2002 (JP) 2002-029351

(51) **LOC (7) Cl.** **13-03**

(52) **U.S. Cl.** **D13/133**

(58) **Field of Search** D13/133, 146,
D13/147; 439/79, 350, 352, 399, 557, 701,
942

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,255,009	A	*	3/1981	Clark	.....	439/398
4,553,801	A	*	11/1985	Zajeski	.....	439/595
4,653,831	A	*	3/1987	Wilson et al.	.....	439/404
5,380,220	A	*	1/1995	Okabe	.....	439/456
D451,074	S	*	11/2001	Morita	.....	D13/147
D474,742	S	*	5/2003	Naganawa et al.	.....	D13/133

D474,747	S	*	5/2003	Naganawa et al.	.....	D13/147
D474,749	S	*	5/2003	Naganawa et al.	.....	D13/147
D475,017	S	*	5/2003	Naganawa et al.	.....	D13/147

* cited by examiner

Primary Examiner—Philip S. Hyder

Assistant Examiner—Selina Sikder

(74) *Attorney, Agent, or Firm*—Antonelli, Terry, Stout & Kraus, LLP

(57) **CLAIM**

The ornamental design for an electric connector, as shown and described.

DESCRIPTION

FIG. 1 is a top plan view;
 FIG. 2 is a front elevation;
 FIG. 3 is a bottom plan view;
 FIG. 4 is a right-side elevation;
 FIG. 5 is a rear elevation;
 FIG. 6 is a cross section taken along the line 6—6 in FIG. 2;
 FIG. 7 is a cross section taken along the line 7—7 in FIG. 2;
 FIG. 8 is a frontal perspective view; and,
 FIG. 9 is a rear perspective view.
 A left-side elevation appearing symmetrical with the right-side one is excluded from the drawings.

1 Claim, 4 Drawing Sheets

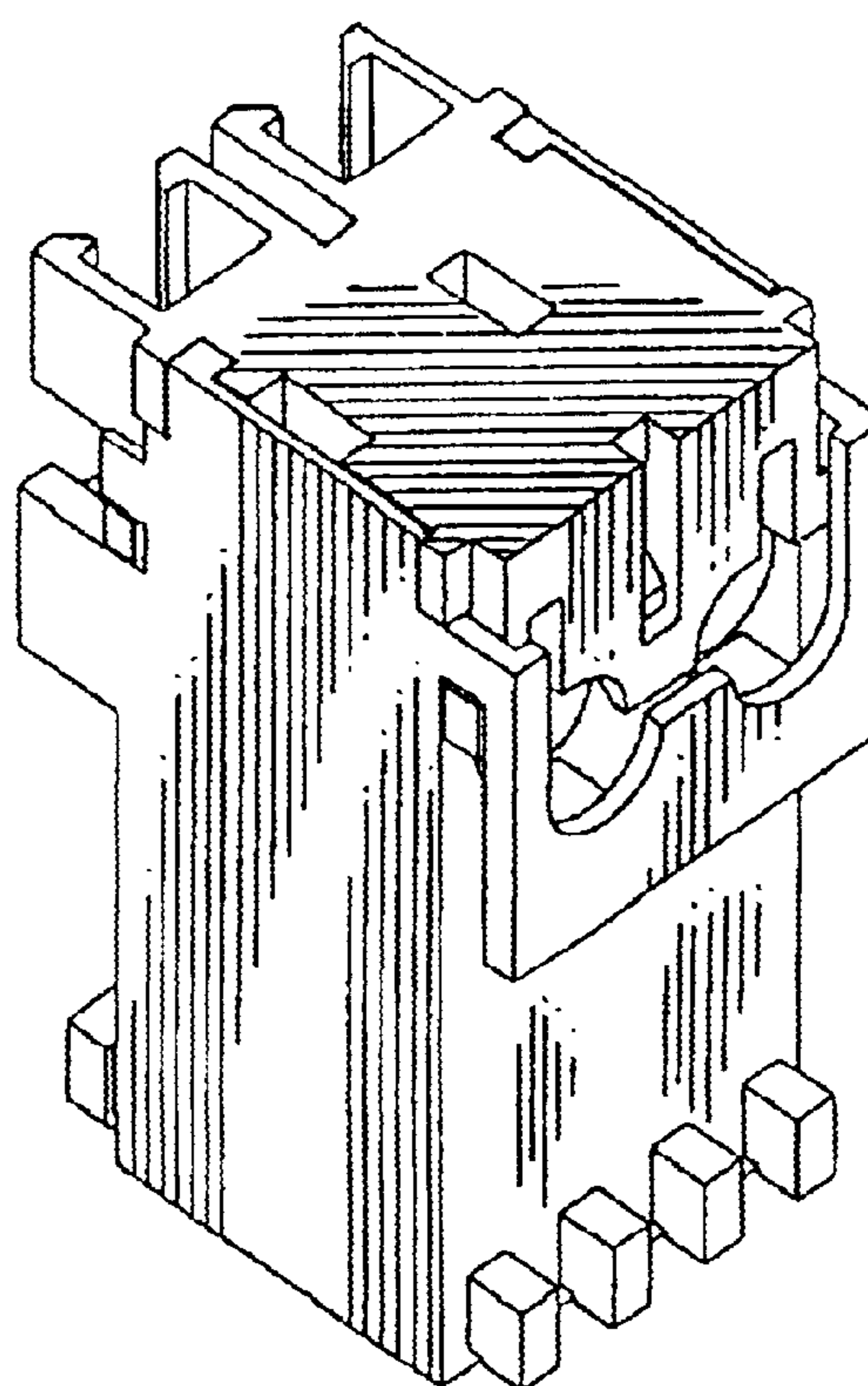
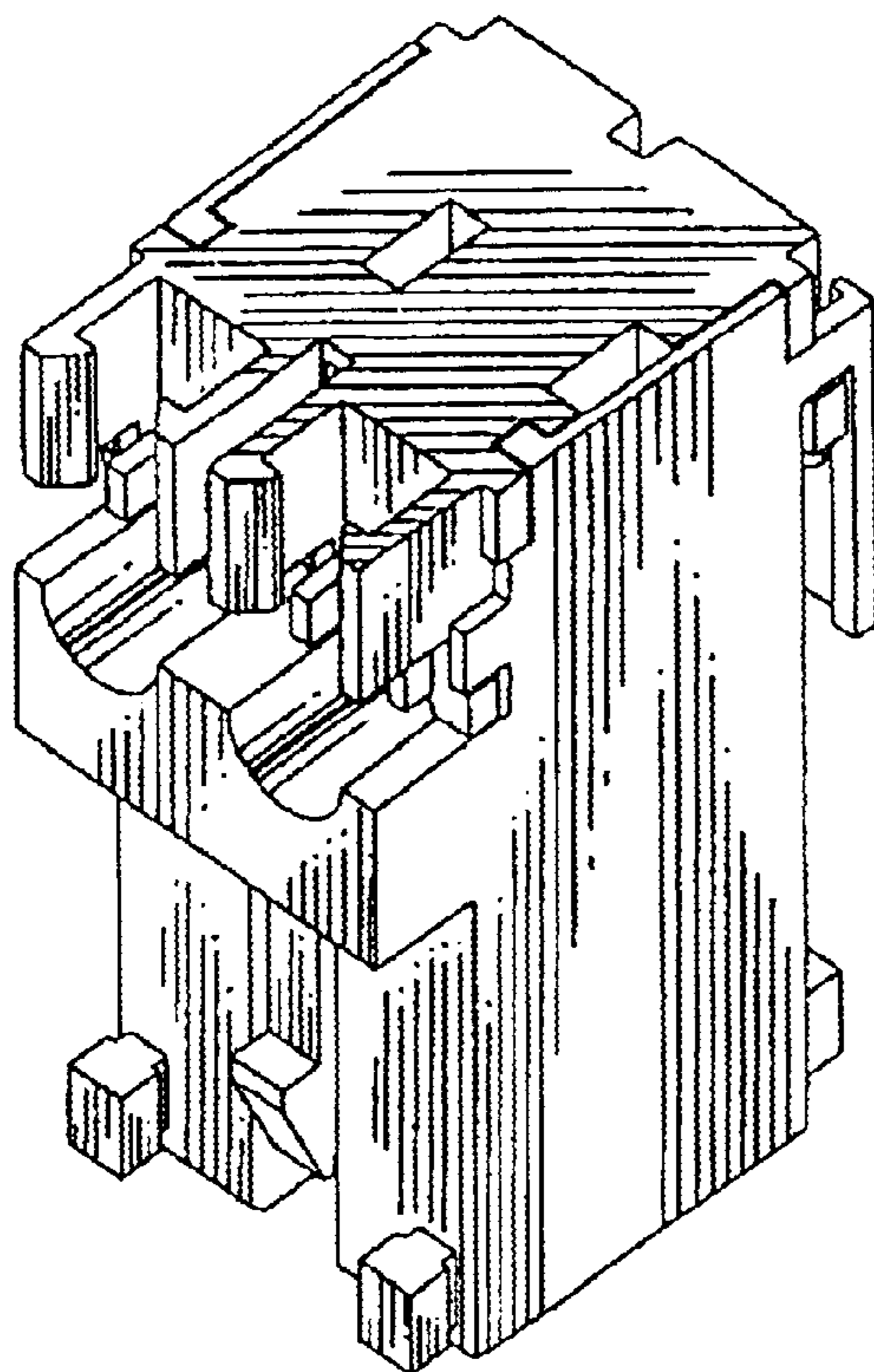


Fig. 1

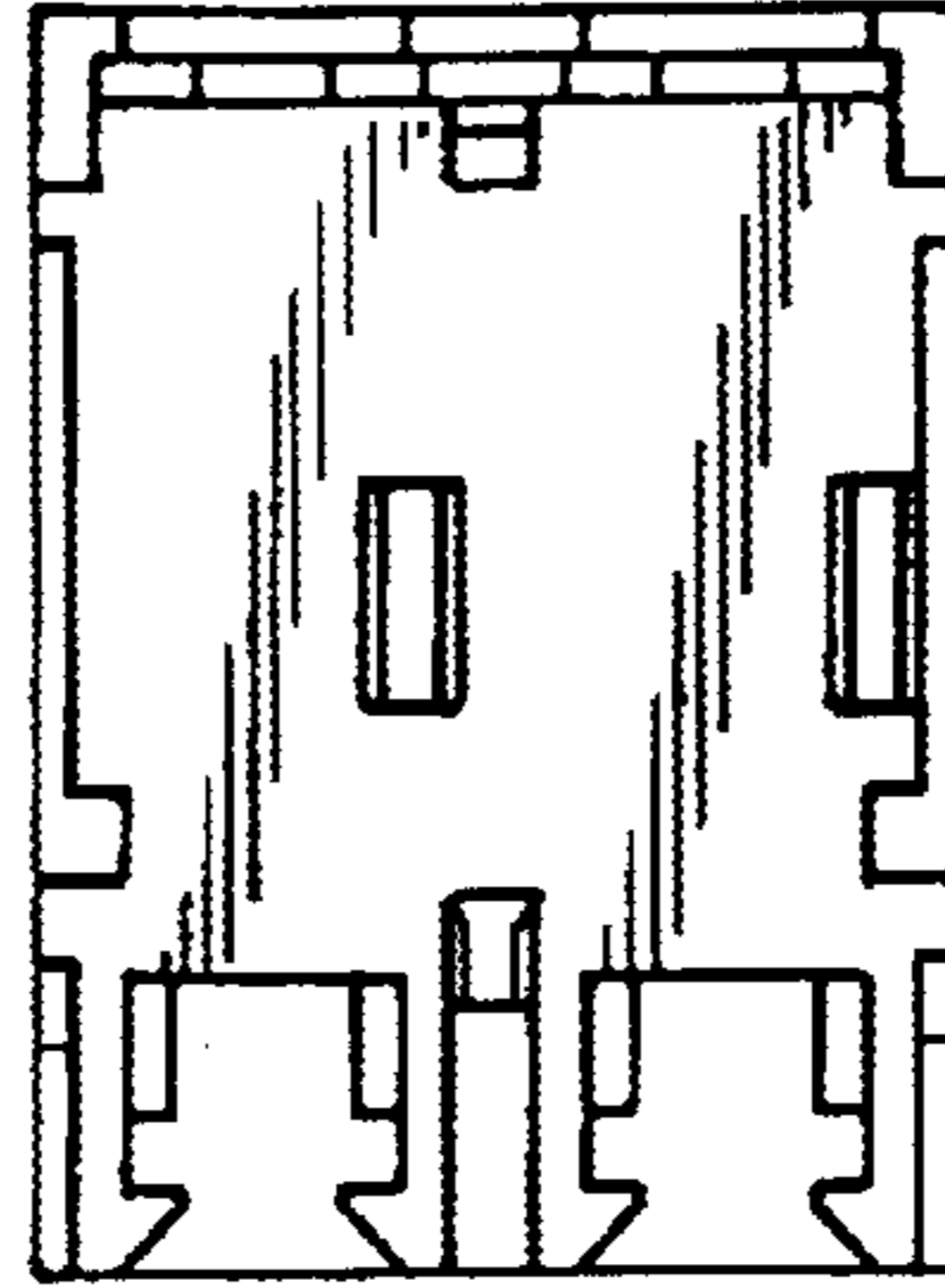


Fig. 2

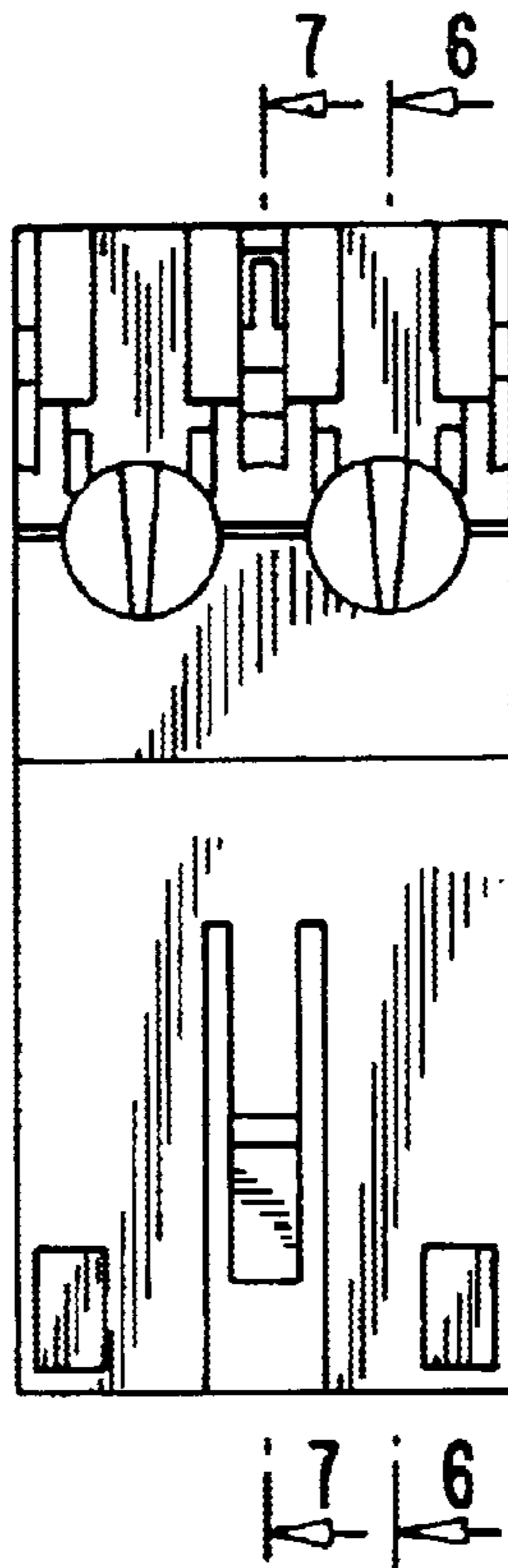


Fig. 3

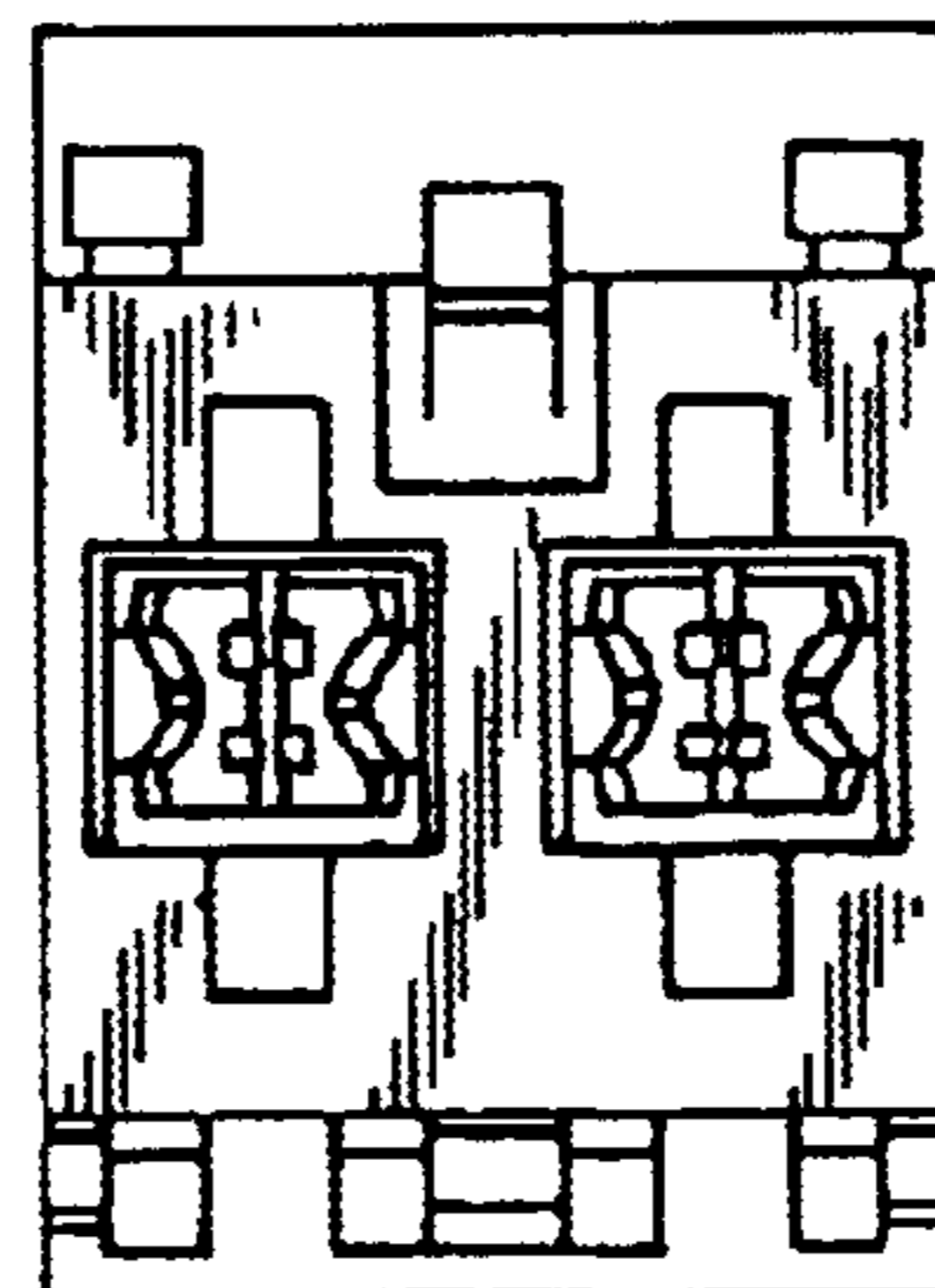


Fig. 4

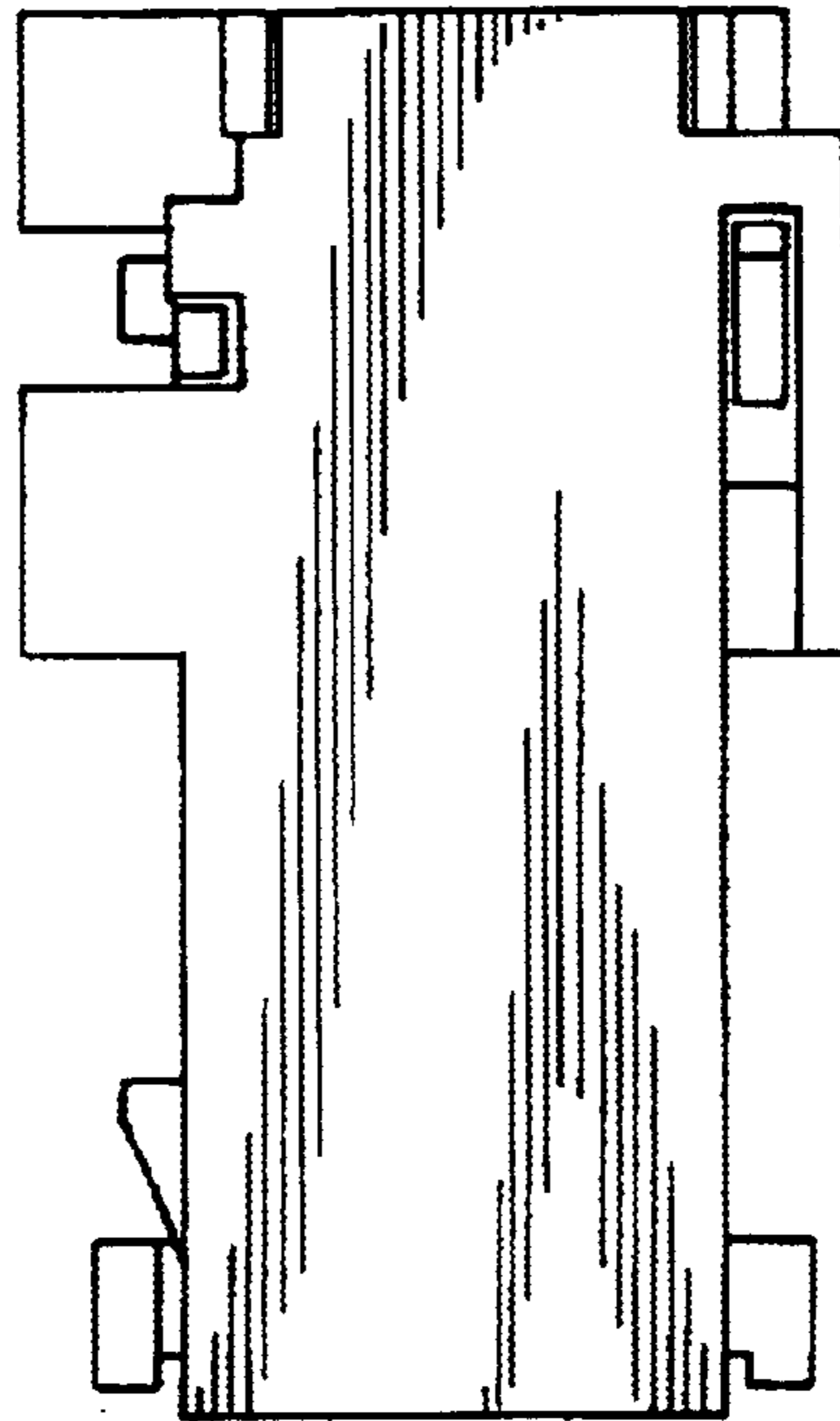


Fig. 5

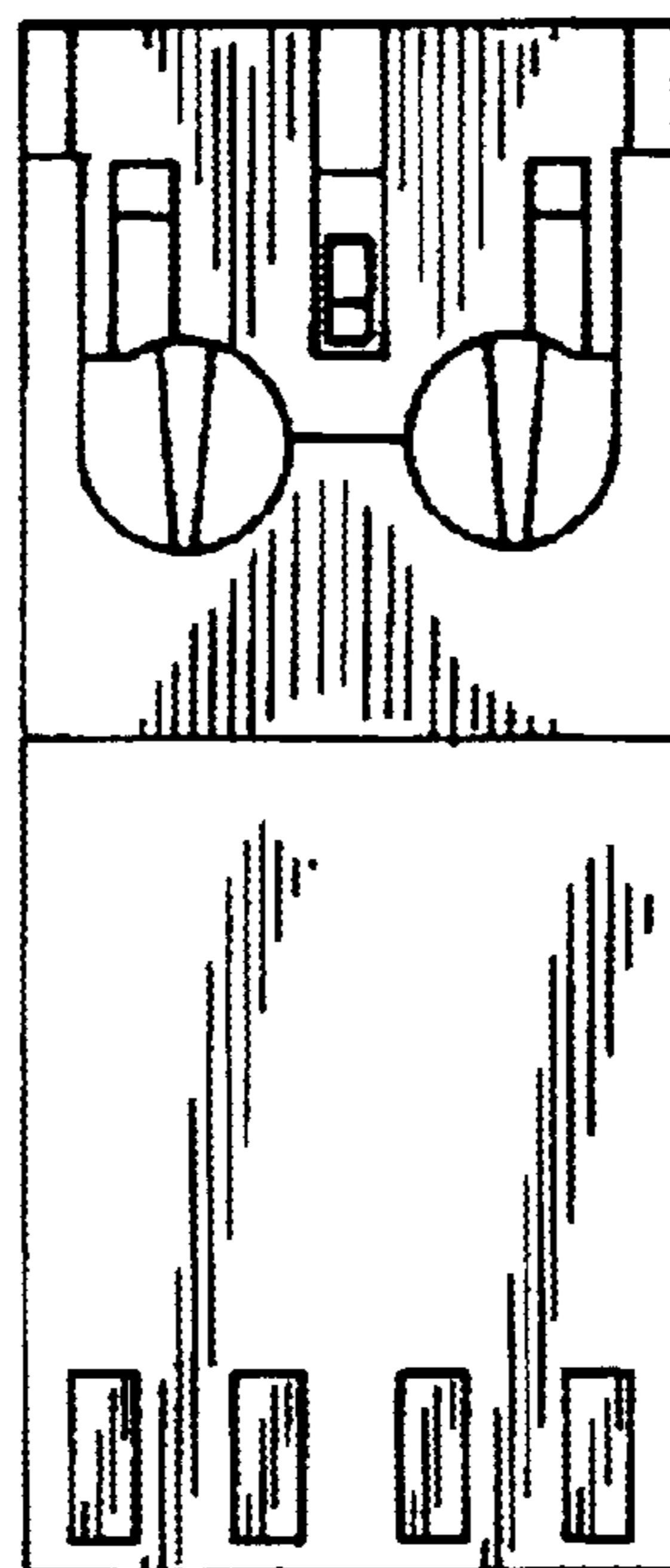


Fig. 6

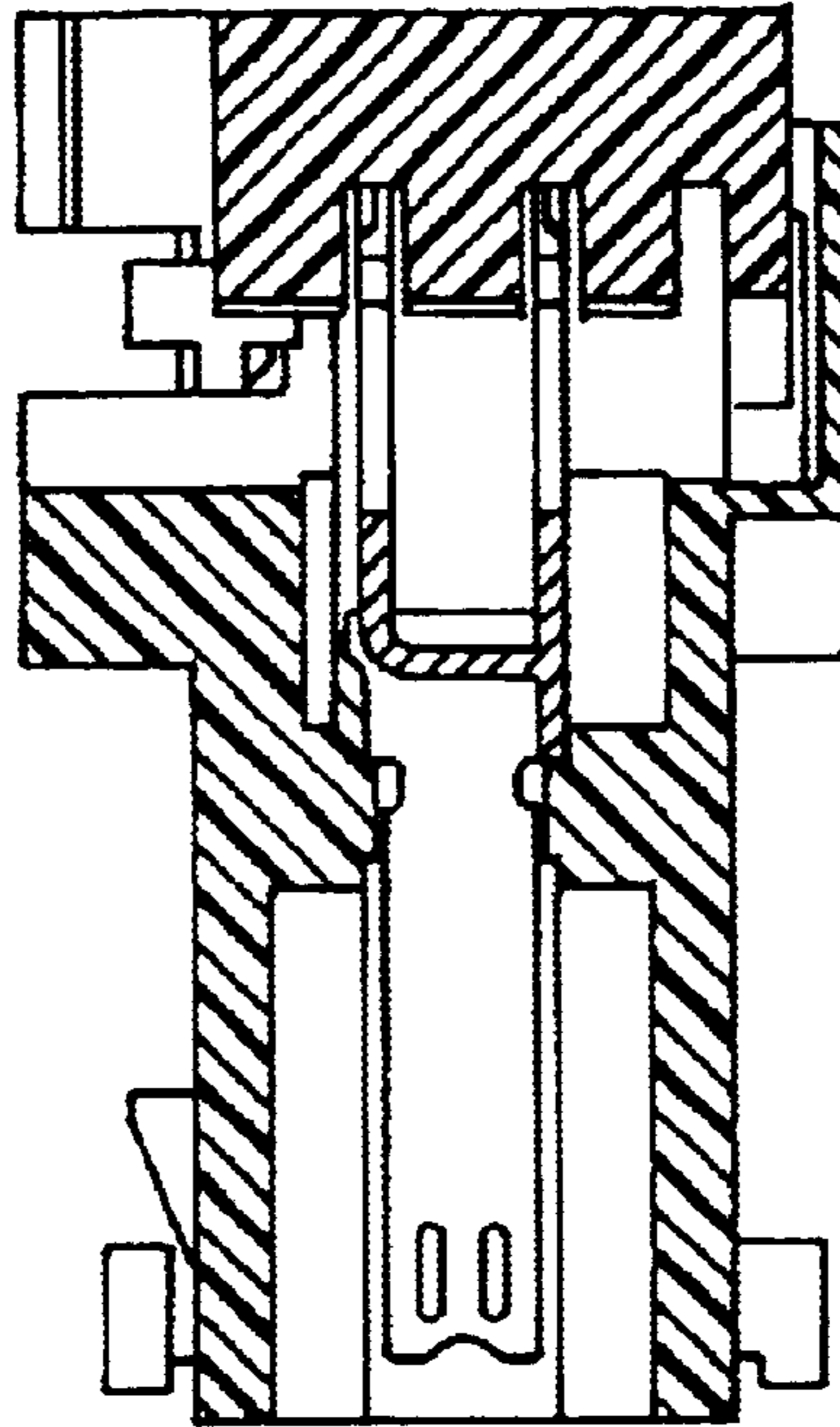


Fig. 7

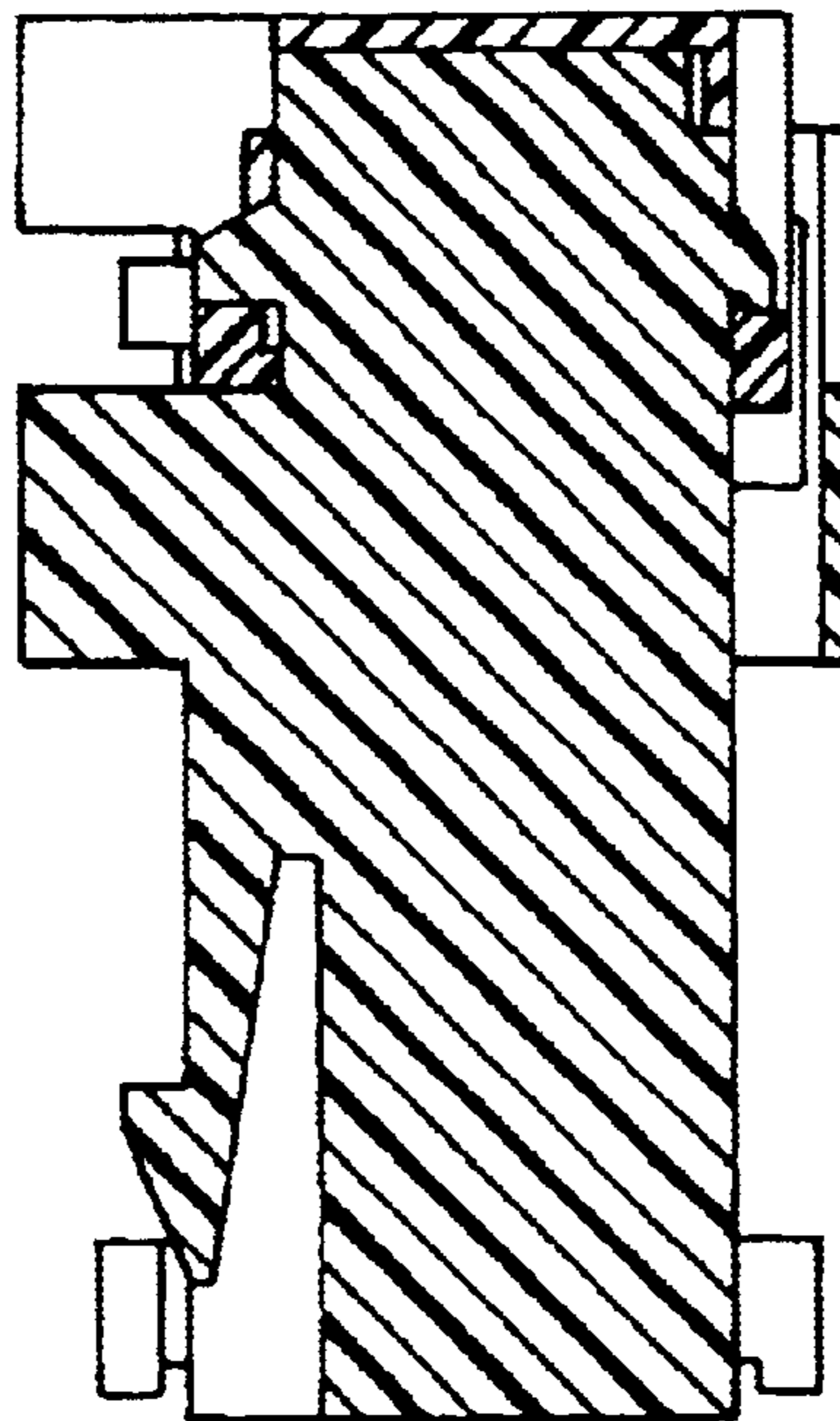


Fig. 8

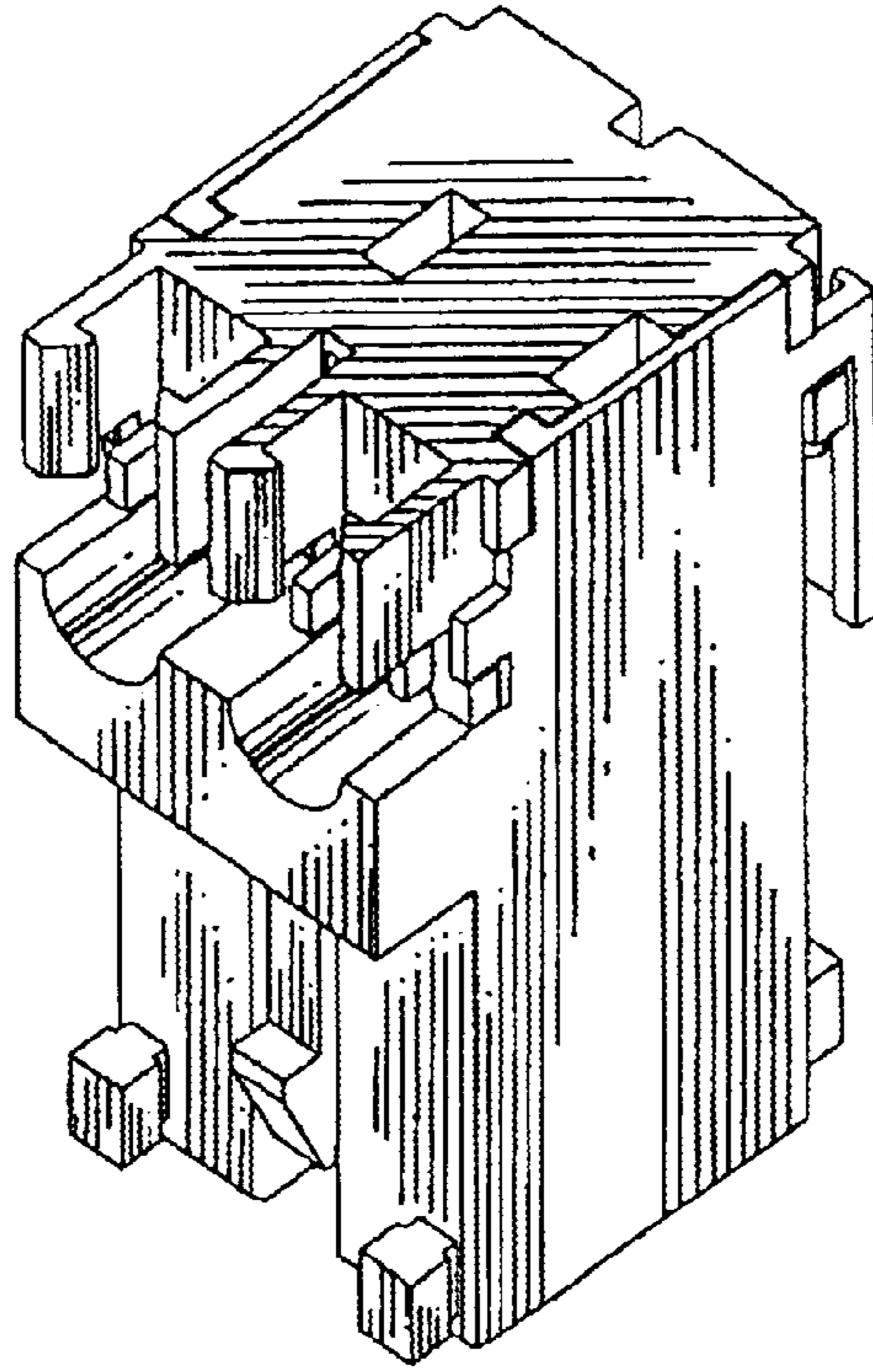


Fig. 9

