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(12) **United States Design Patent**  
**Suzuki**

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(45) **Date of Patent:** **\*\* Nov. 7, 2006**

(54) **PHOTOELECTRIC SWITCH**

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(73) Assignee: **Rohm Co., Ltd.**, Kyoto (JP)

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

(21) Appl. No.: **29/238,667**

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(30) **Foreign Application Priority Data**

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(51) **LOC (8) Cl.** ..... **13-03**

(52) **U.S. Cl.** ..... **D13/165**

(58) **Field of Classification Search** ..... D13/165;  
250/221, 221.1, 239, 551; 257/82, 98, 99,  
257/433, 678, 690; 313/500  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

5,291,038	A	*	3/1994	Hanamoto et al.	.....	257/82
5,672,884	A	*	9/1997	Muhleck et al.	.....	250/551
5,814,837	A	*	9/1998	Okazaki	.....	257/91
5,942,770	A	*	8/1999	Ishinaga et al.	.....	257/89
5,966,052	A	*	10/1999	Sakai	.....	331/68
RE36,614	E	*	3/2000	Lumbard et al.	.....	313/500
6,097,084	A	*	8/2000	Sano et al.	.....	257/678
6,383,835	B1	*	5/2002	Hata et al.	.....	438/65

6,399,943	B1	*	6/2002	Sano	.....	250/239
6,459,099	B1	*	10/2002	Sano	.....	257/82
6,476,410	B1	*	11/2002	Ishinaga	.....	257/13
6,509,584	B1	*	1/2003	Suzuki	.....	257/98
6,734,750	B1	*	5/2004	Ostergaard	.....	333/1
D510,912	S	*	10/2005	Asakawa	.....	D13/180
2004/0099874	A1	*	5/2004	Chang et al.	.....	257/98

\* cited by examiner

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(57) **CLAIM**

I claim the ornamental design for a photoelectric switch, as shown and described.

**DESCRIPTION**

FIG. 1 is a front view of a photoelectric switch showing my new design, the rear view being a mirror image thereof; FIG. 2 is a right side view of the same photoelectric switch, a left side view being identical to the right side view; FIG. 3 is a top plan view of the same photoelectric switch; FIG. 4 is a bottom view of the same photoelectric switch; FIG. 5 is a sectional view of the same photoelectric switch taken along 5—5 lines in FIG. 1; FIG. 6 is a sectional view of the same photoelectric switch taken along 6—6 in FIG. 3; and, FIG. 7 is a perspective view of the same photoelectric switch.

**1 Claim, 2 Drawing Sheets**

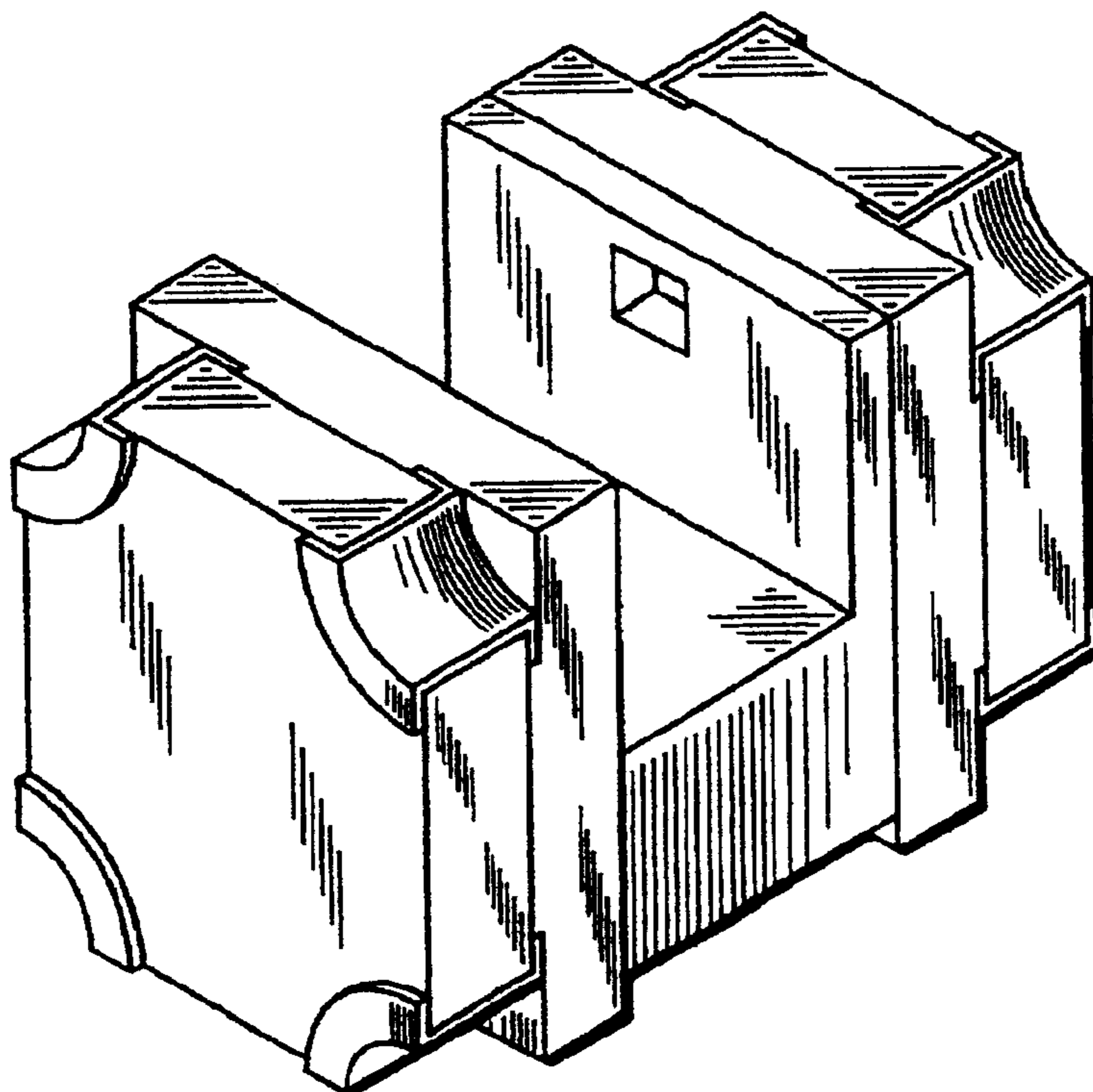


FIG. 1

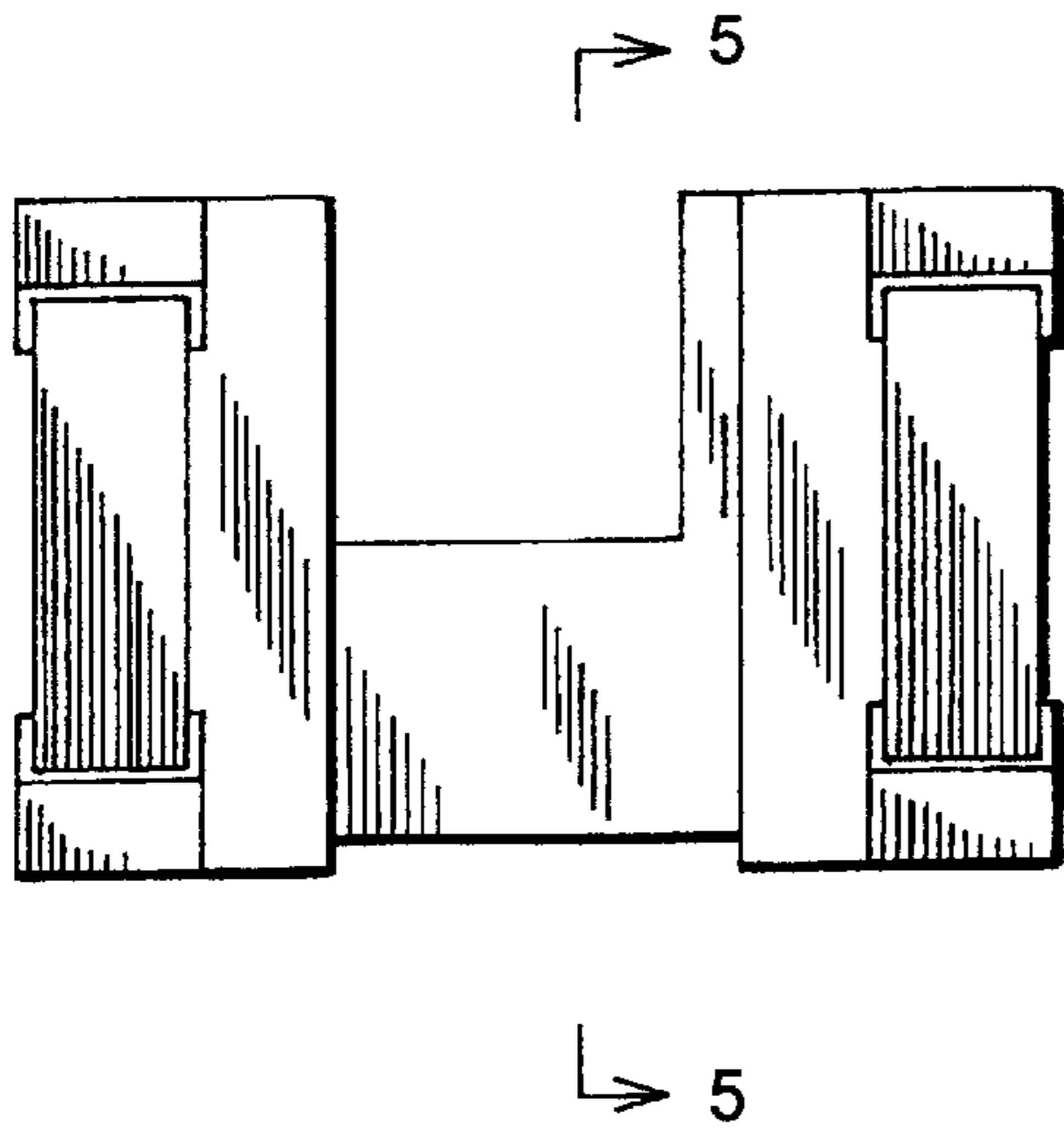


FIG. 2

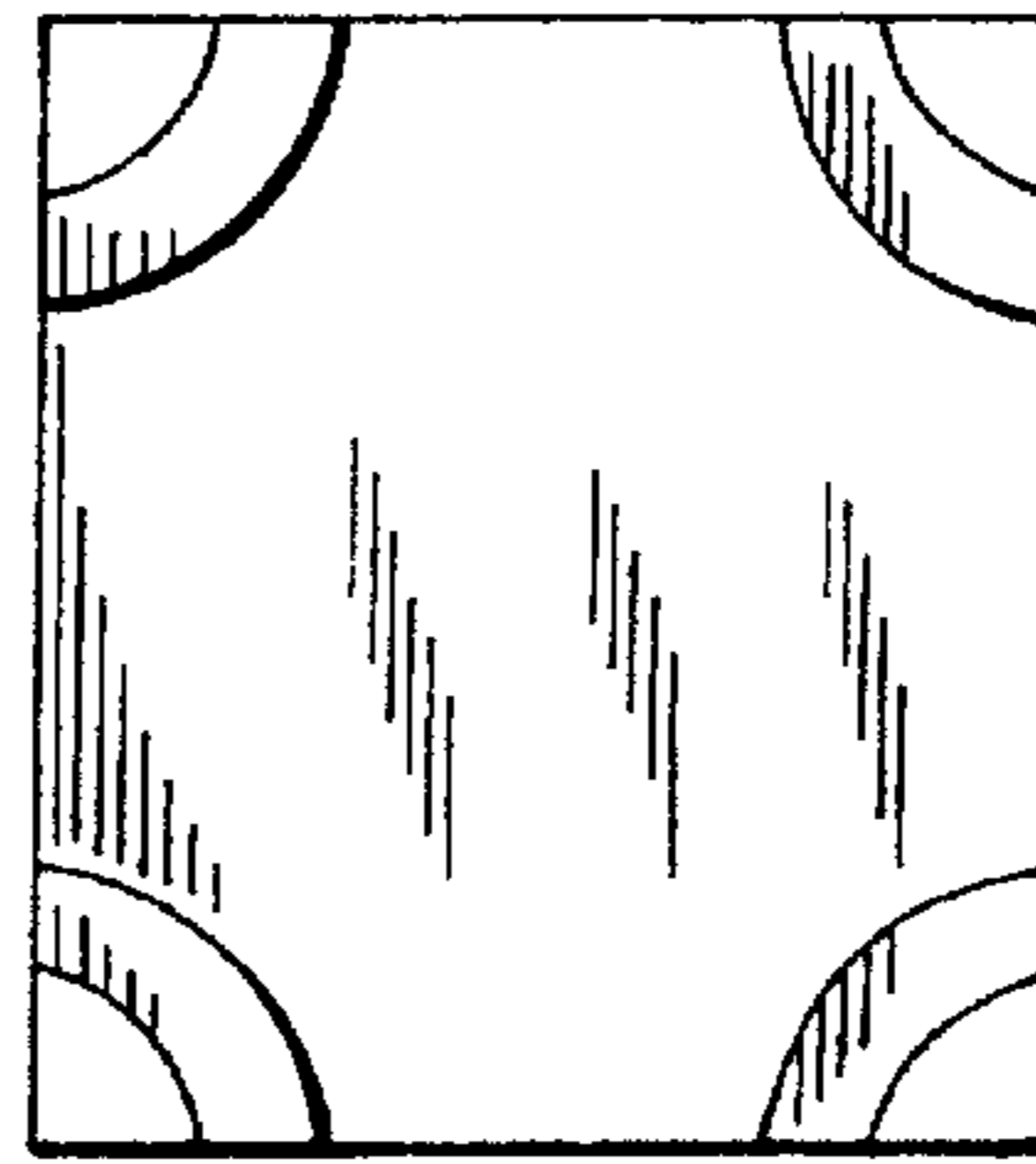


FIG. 3

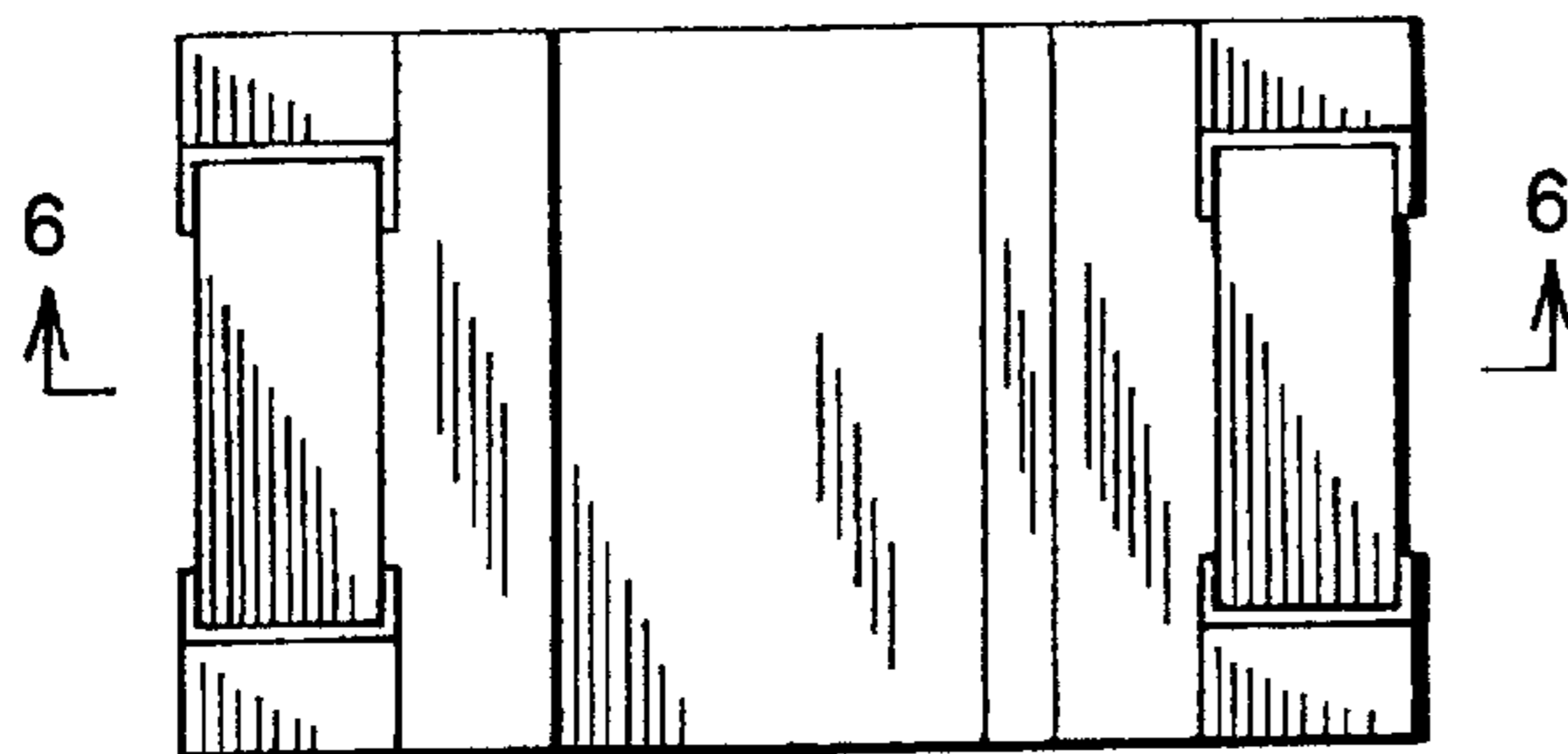


FIG. 4

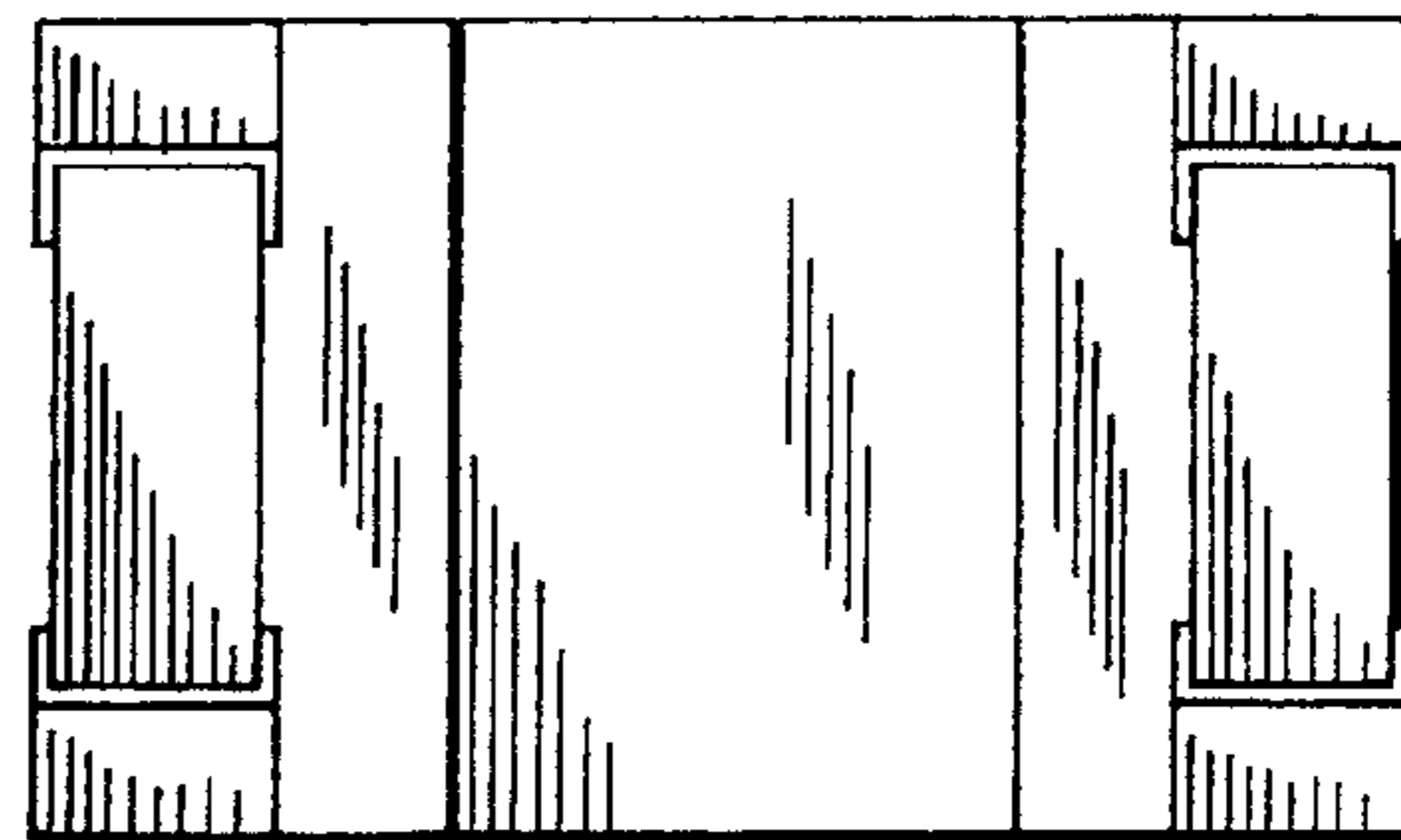


FIG. 5

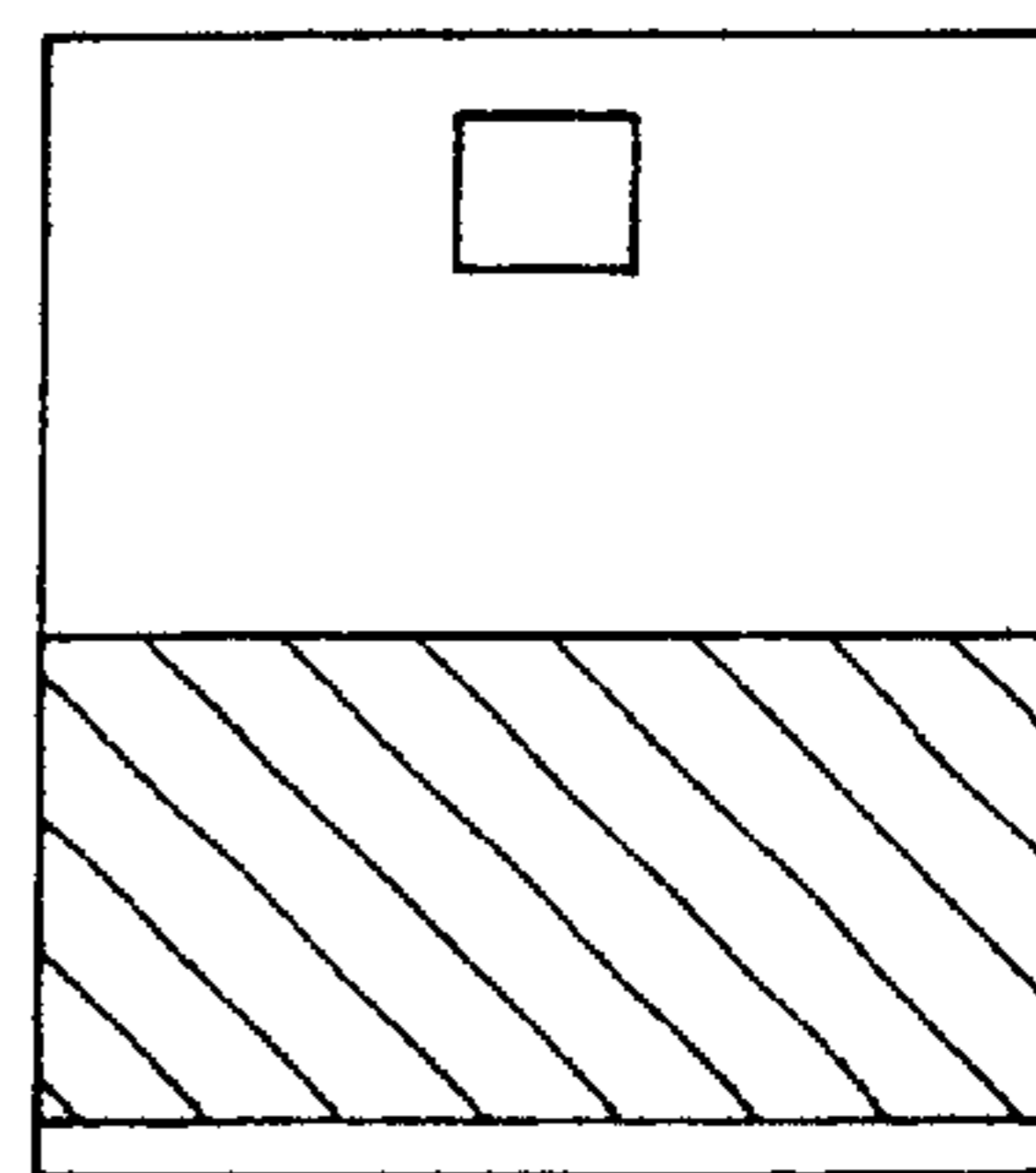


FIG. 6

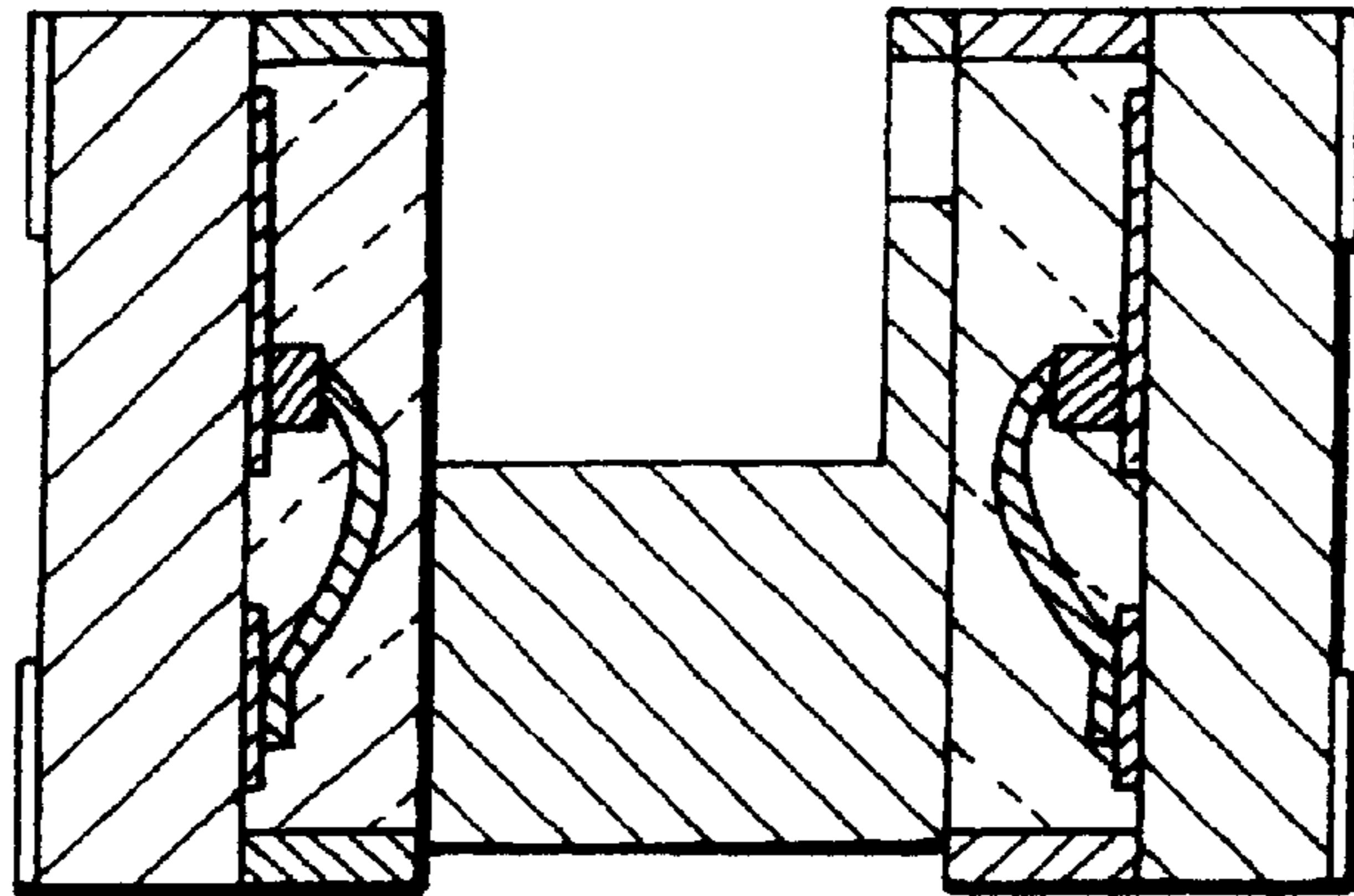


FIG. 7

