

US00D505397S

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

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(54) **LIGHT EMITTING DIODE**  
(75) **Inventor:** **Hideo Asakawa, Anan (JP)**  
(73) **Assignee:** **Nichia Corporation, Tokushima (JP)**  
(\*\*) **Term:** **14 Years**

D462,334 S 9/2002 Fukasawa et al.  
D471,166 S 3/2003 Oshio et al.  
D476,961 S \* 7/2003 Horiuchi et al. .... D13/182  
6,624,491 B2 \* 9/2003 Waitl et al. .... 257/434  
6,707,069 B2 \* 3/2004 Song et al. .... 257/79  
6,713,868 B2 \* 3/2004 Ueno ..... 257/730  
D491,899 S \* 6/2004 Yagi ..... D13/180

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(52) **U.S. Cl. .... D13/180**  
(58) **Field of Search .... D13/180, 182;**  
**D10/104, 114; 257/76, 79, 88, 89, 93-99,**  
**434, 676, 678, 687, 690, 698, 787; 313/498,**  
**499, 500; 372/45; 361/760, 820; 362/226,**  
**241, 249, 250, 307, 555, 800**

**FOREIGN PATENT DOCUMENTS**

JP D1065165 3/2000  
JP D1065756 4/2000  
JP D1065756/1 6/2000  
JP D 1171218 4/2003

\* cited by examiner

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(56) **References Cited**  
**U.S. PATENT DOCUMENTS**

4,396,929 A \* 8/1983 Ohki et al. .... 257/76  
D277,955 S 3/1985 Takahashi  
D278,048 S 3/1985 Takahashi  
D278,049 S 3/1985 Takahashi et al.  
D280,812 S 10/1985 Takahashi  
5,949,294 A \* 9/1999 Kondo et al. .... 331/68  
5,966,052 A \* 10/1999 Sakai ..... 331/68  
D416,236 S \* 11/1999 Kobayashi et al. .... D13/182  
5,991,162 A \* 11/1999 Saso ..... 361/760  
D432,095 S 10/2000 Seeger et al.  
D437,798 S 2/2001 Kiba et al.  
D439,351 S 3/2001 Kiba et al.  
D453,745 S 2/2002 Suenaga  
6,355,946 B1 \* 3/2002 Ishinaga ..... 257/98

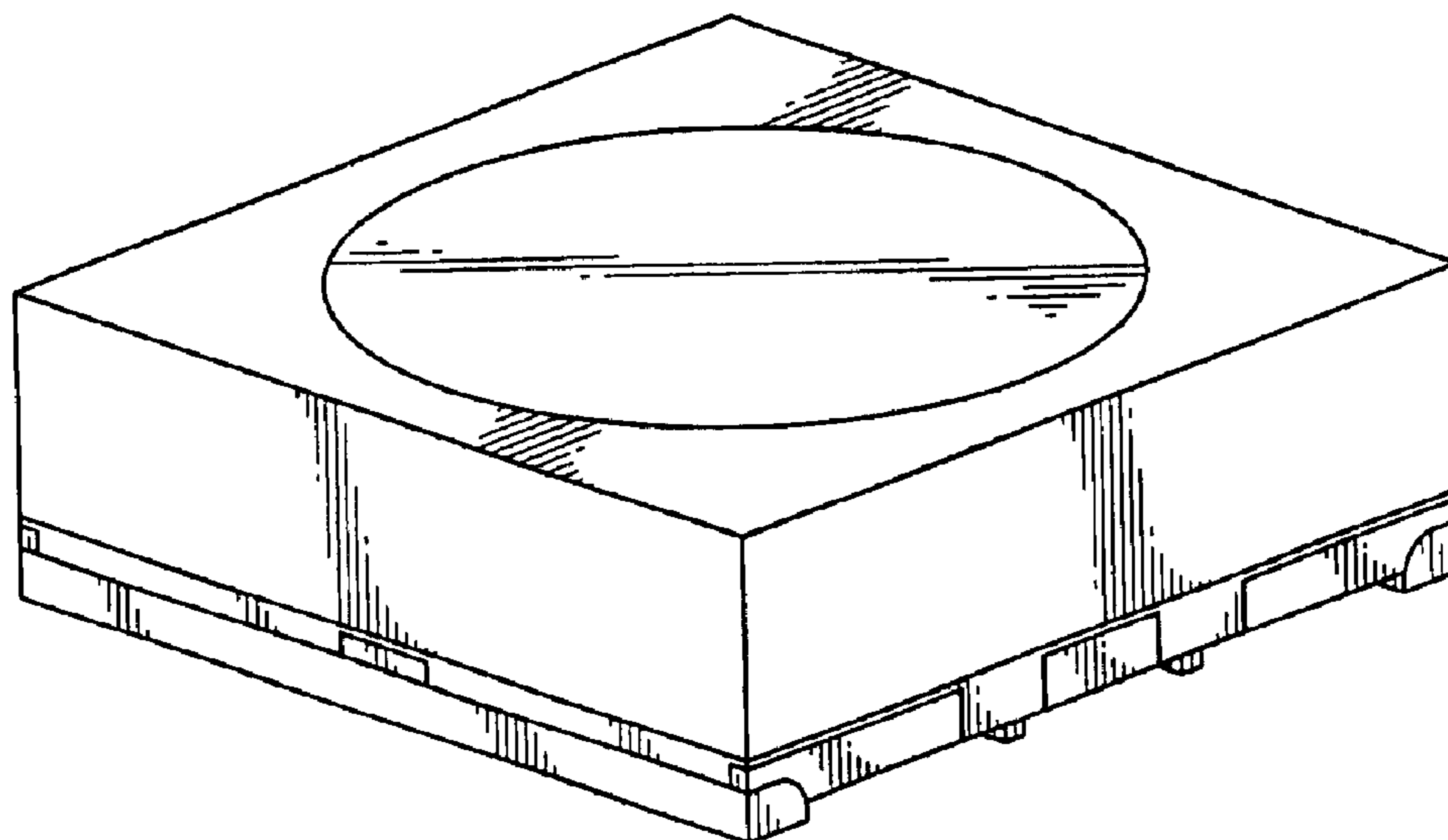
(57) **CLAIM**

The ornamental design for a light emitting diode, as shown.

**DESCRIPTION**

FIG. 1 is a front, right perspective view of the light emitting diode showing my new design;  
FIG. 2 is a top plan view thereof;  
FIG. 3 is a right side view thereof;  
FIG. 4 is a left side view thereof;  
FIG. 5 is a front view thereof;  
FIG. 6 is a rear view thereof; and,  
FIG. 7 is a bottom view thereof.

**1 Claim, 3 Drawing Sheets**



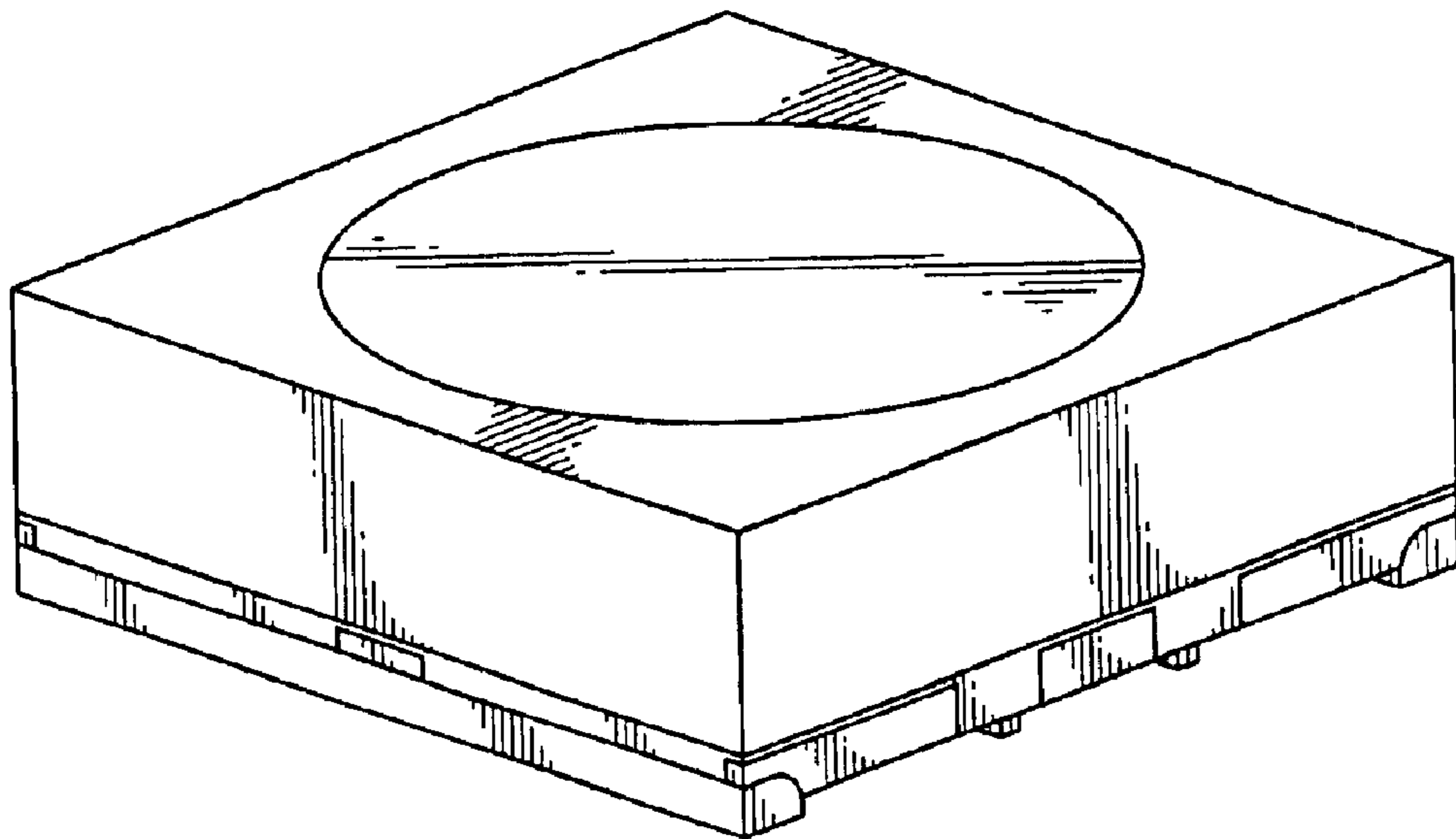


FIG.1

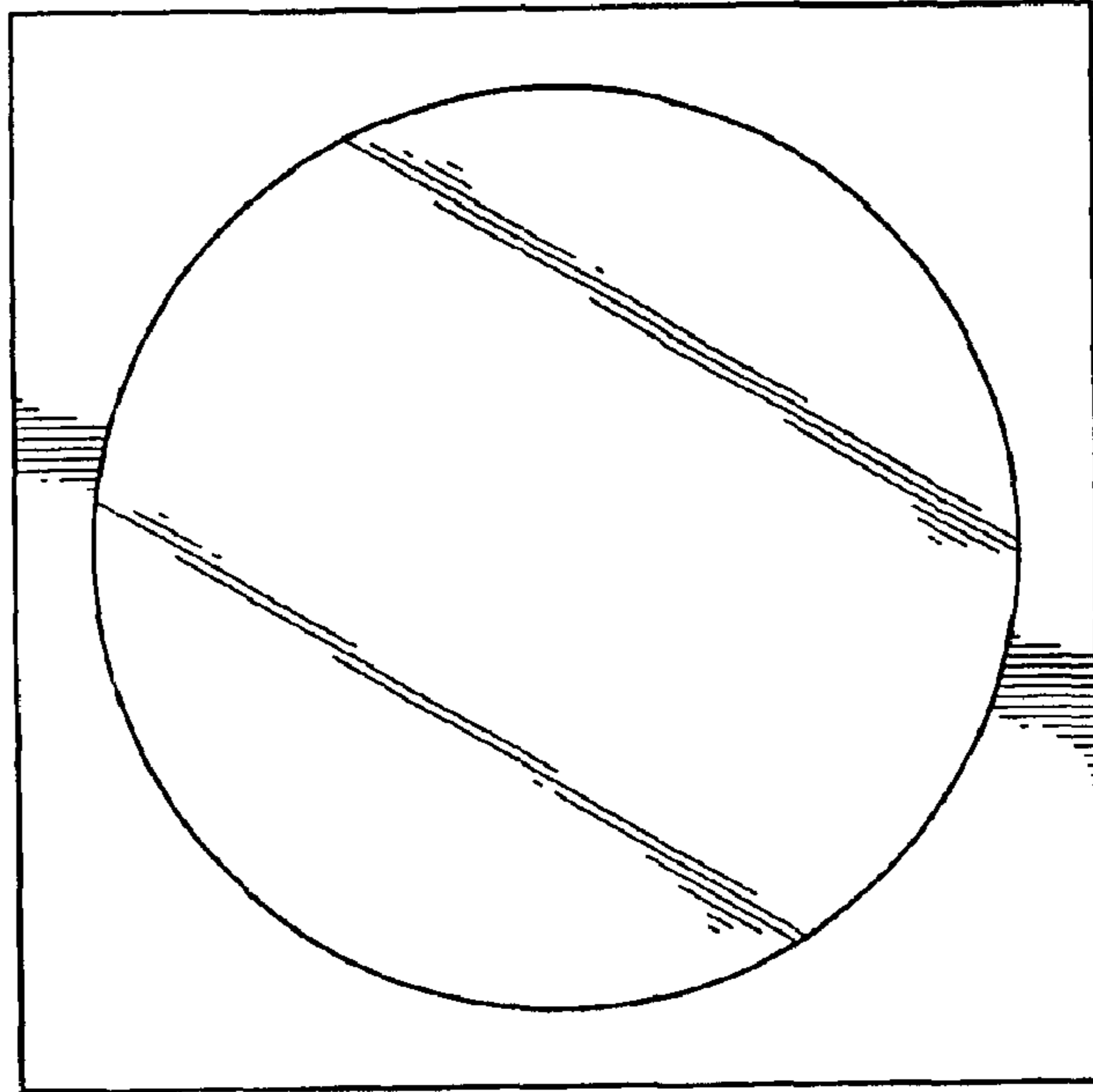


FIG. 2

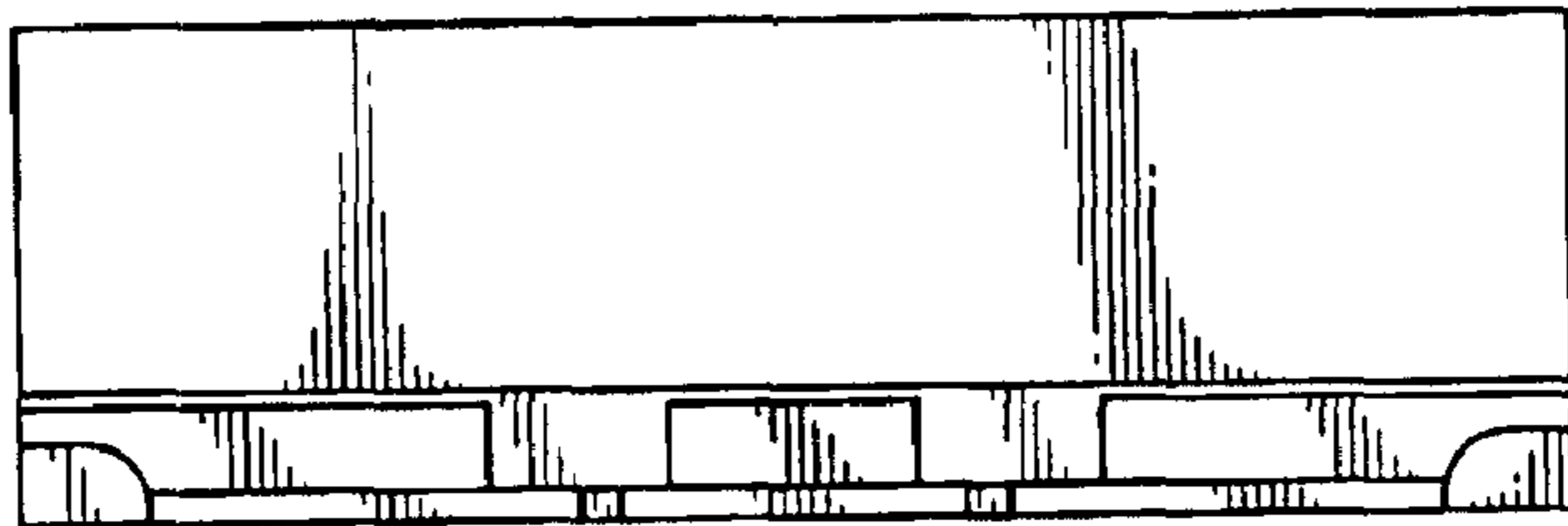


FIG. 3

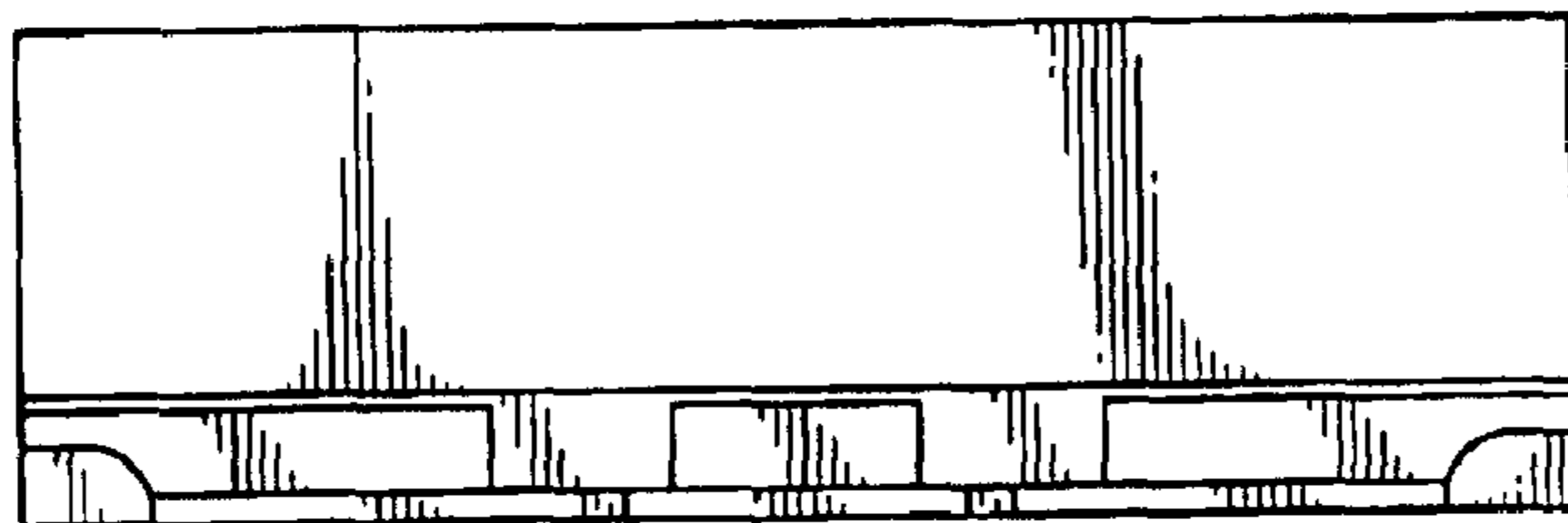


FIG. 4

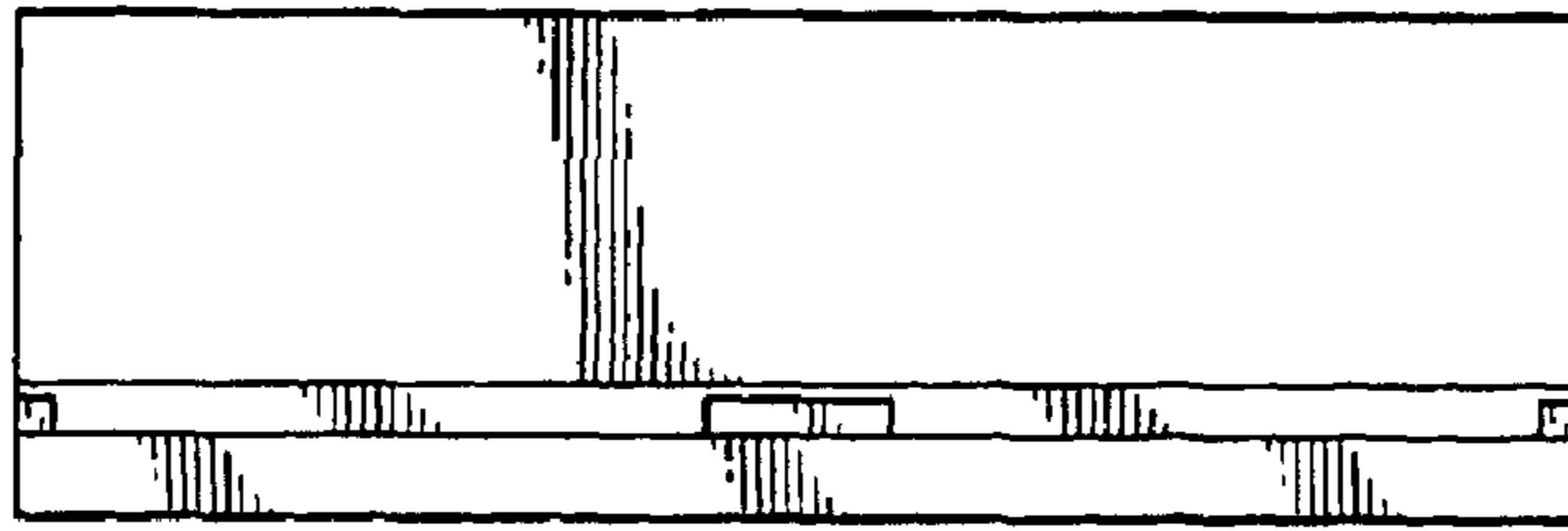


FIG. 5

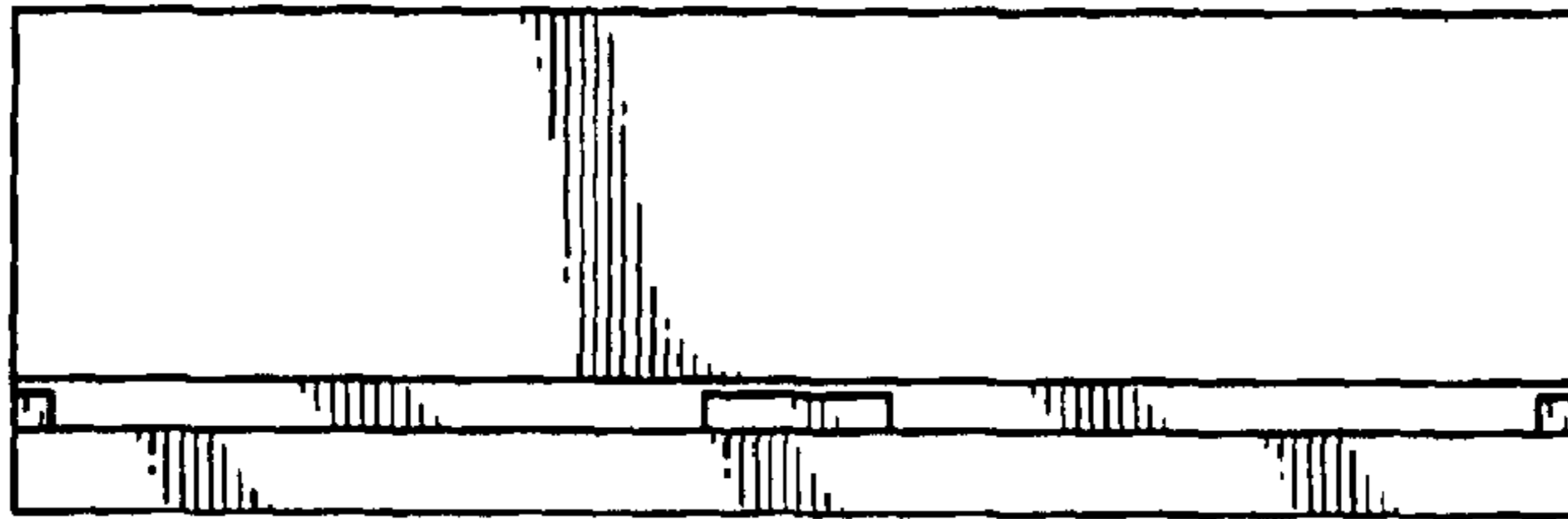


FIG. 6

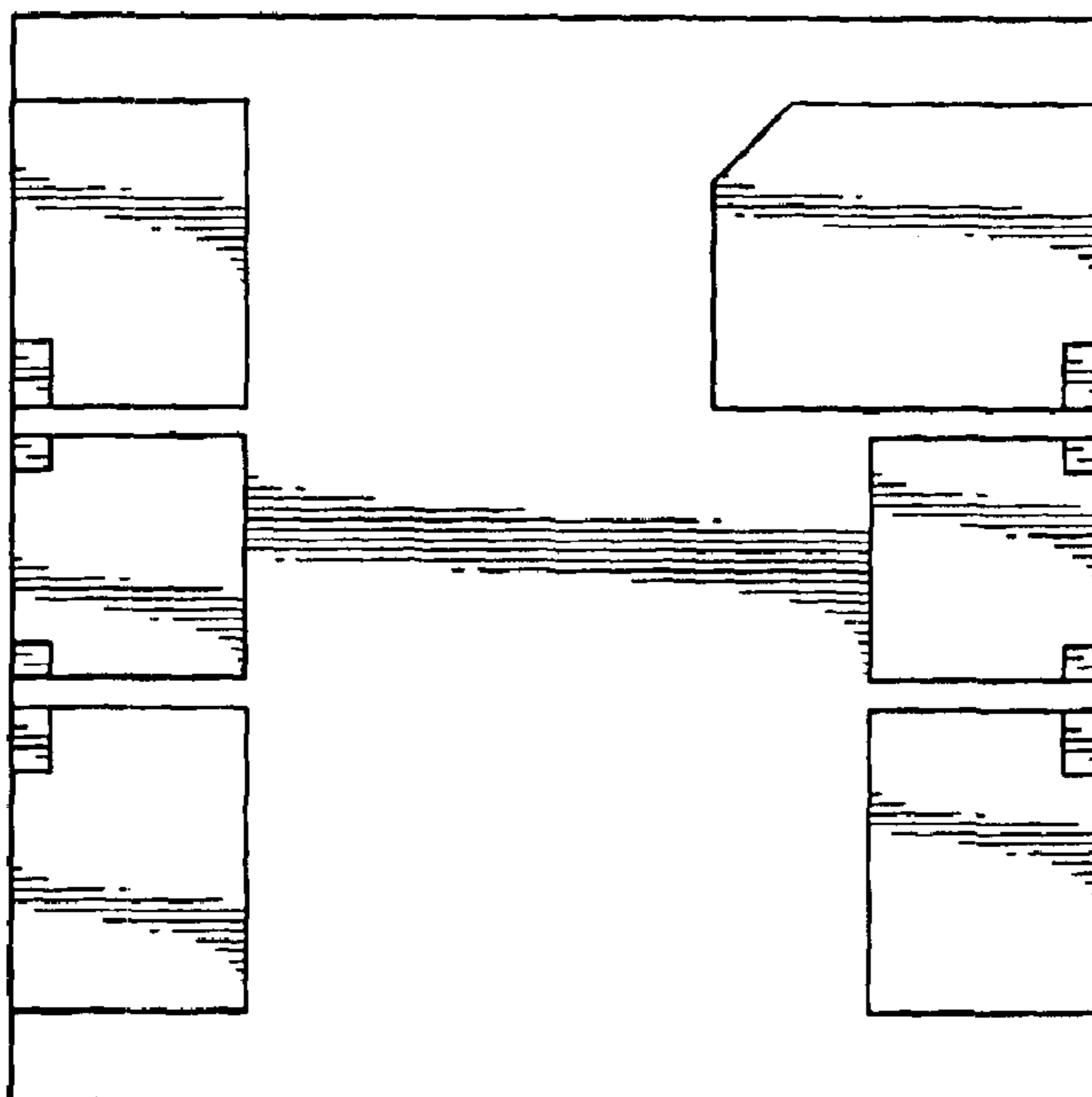


FIG. 7