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

(10) **Patent No.:** **US D477,064 S**

(45) **Date of Patent:** **\*\* Jul. 8, 2003**

(54) **LINE FILTER**

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\* cited by examiner

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

(74) *Attorney, Agent, or Firm*—Frishauf, Holtz, Goodman & Chick, P.C.

(21) Appl. No.: **29/155,228**

(22) Filed: **Feb. 6, 2002**

(57) **CLAIM**

The ornamental design for a line filter, as shown and described.

(30) **Foreign Application Priority Data**

Aug. 7, 2001 (JP) ..... 2001-023140

**DESCRIPTION**

(51) **LOC (7) Cl.** ..... **23-04**

(52) **U.S. Cl.** ..... **D23/365**

(58) **Field of Search** ..... D23/355, 364,  
D23/365; 210/493.3, 459

FIG. 1 is a front elevational view of a line filter;

FIG. 2 is a rear elevational view thereof;

FIG. 3 is a top plan view thereof;

FIG. 4 is a bottom plan view thereof;

FIG. 5 is a right side elevational view thereof;

FIG. 6 is a left side elevational view thereof;

FIG. 7 is a cross-sectional view thereof along the line 7—7 of FIG. 1; and,

FIG. 8 is a cross-sectional view thereof along the line 8—8 of FIG. 5.

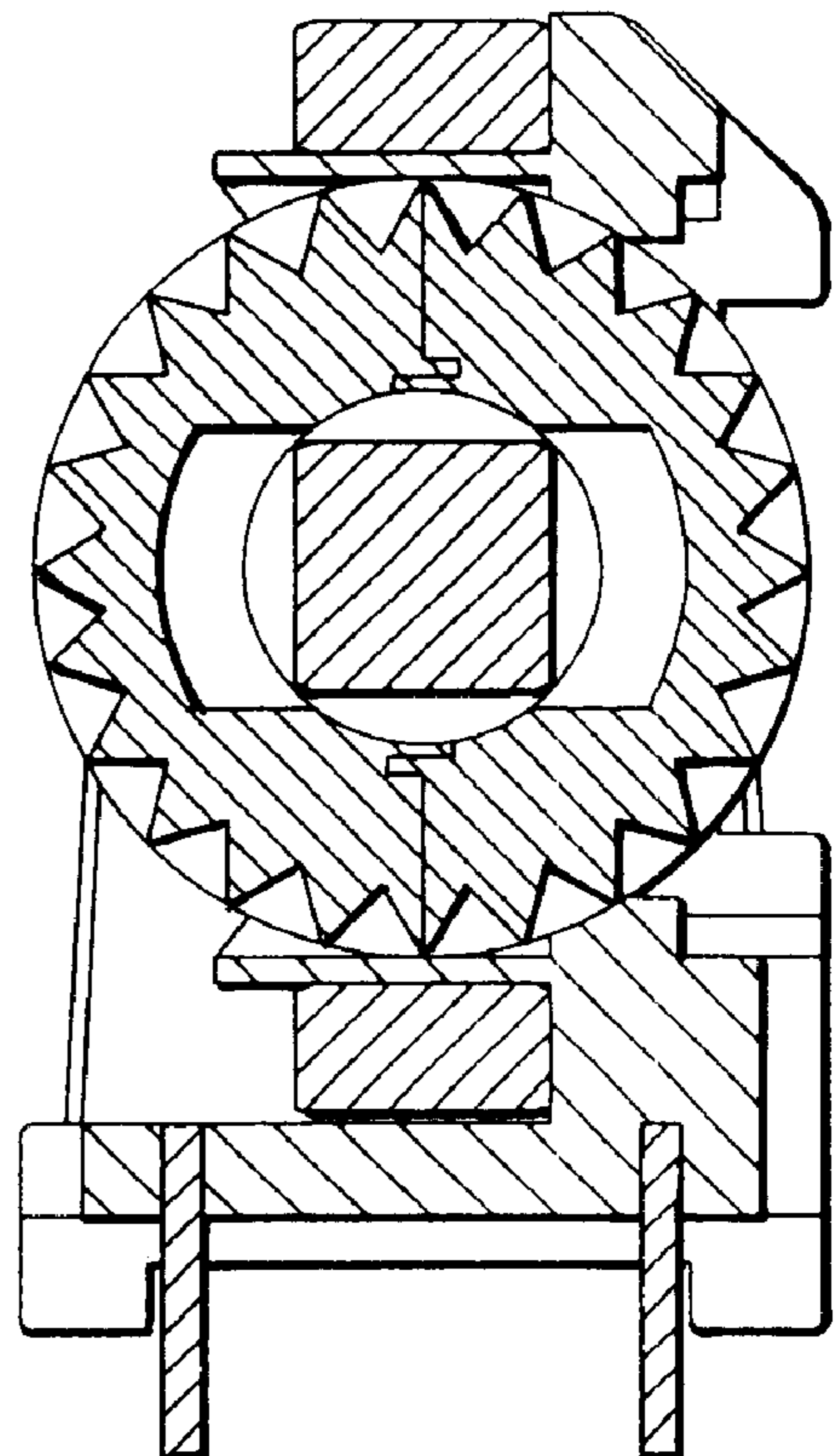
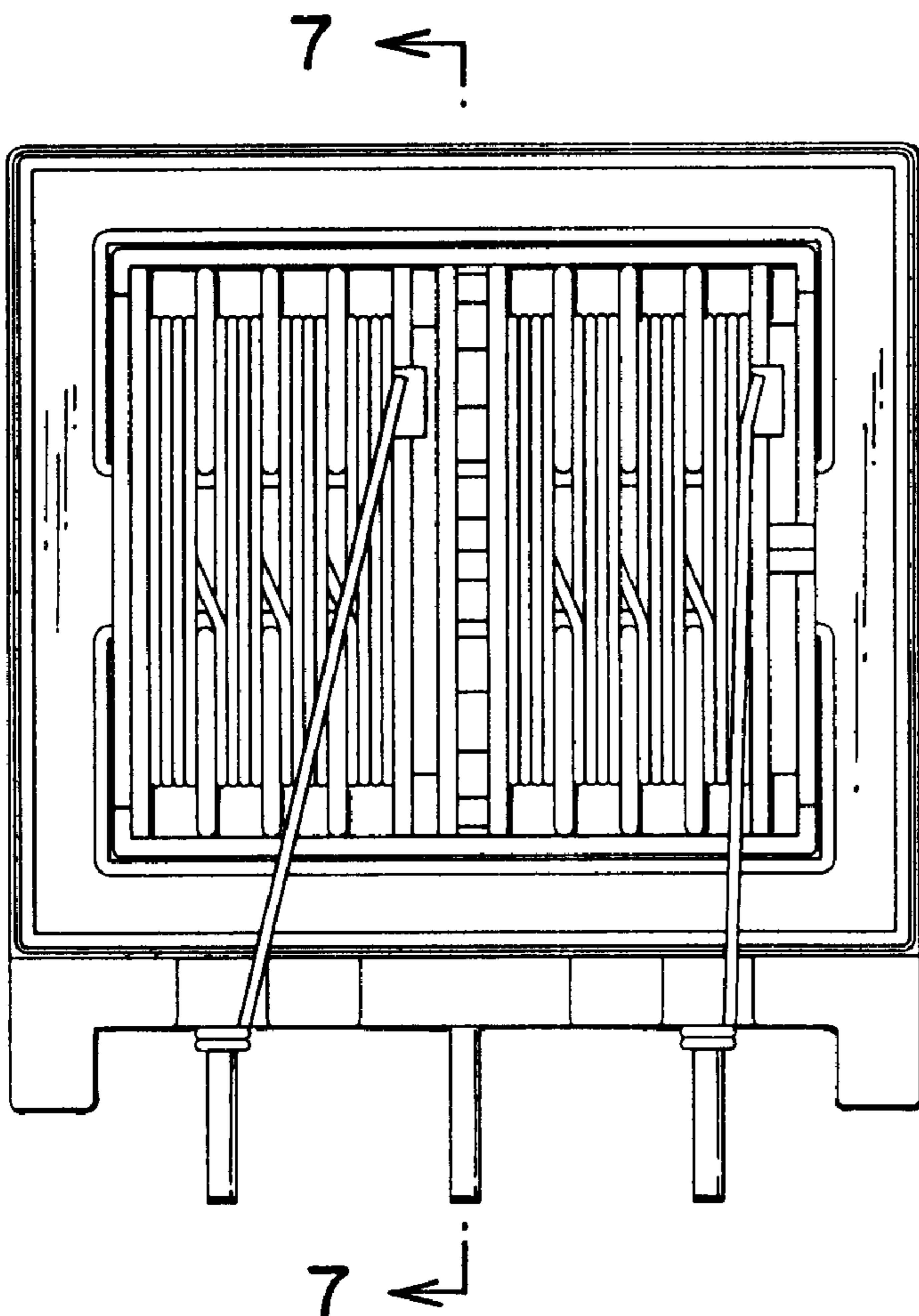
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**1 Claim, 4 Drawing Sheets**



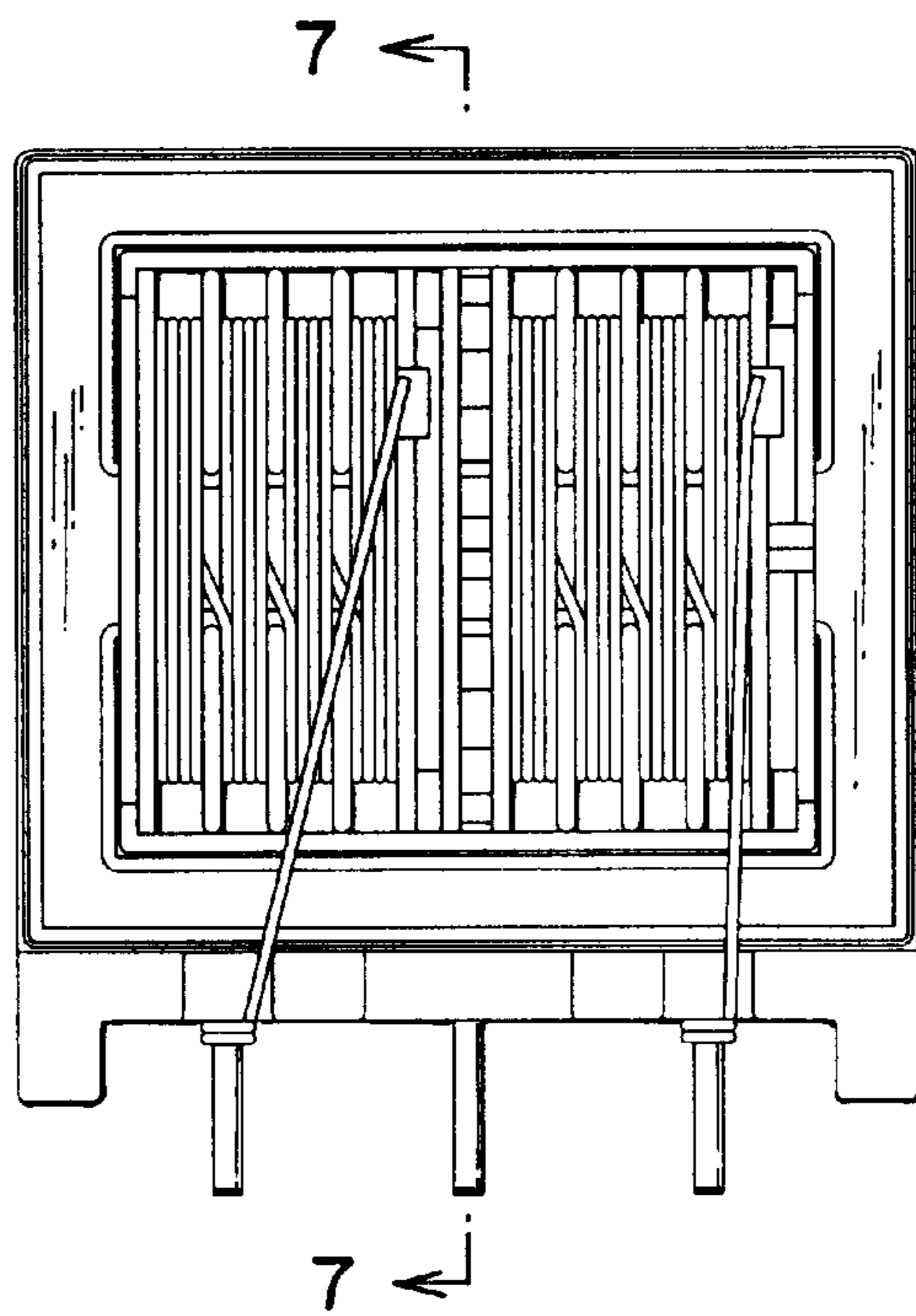


FIG. 1

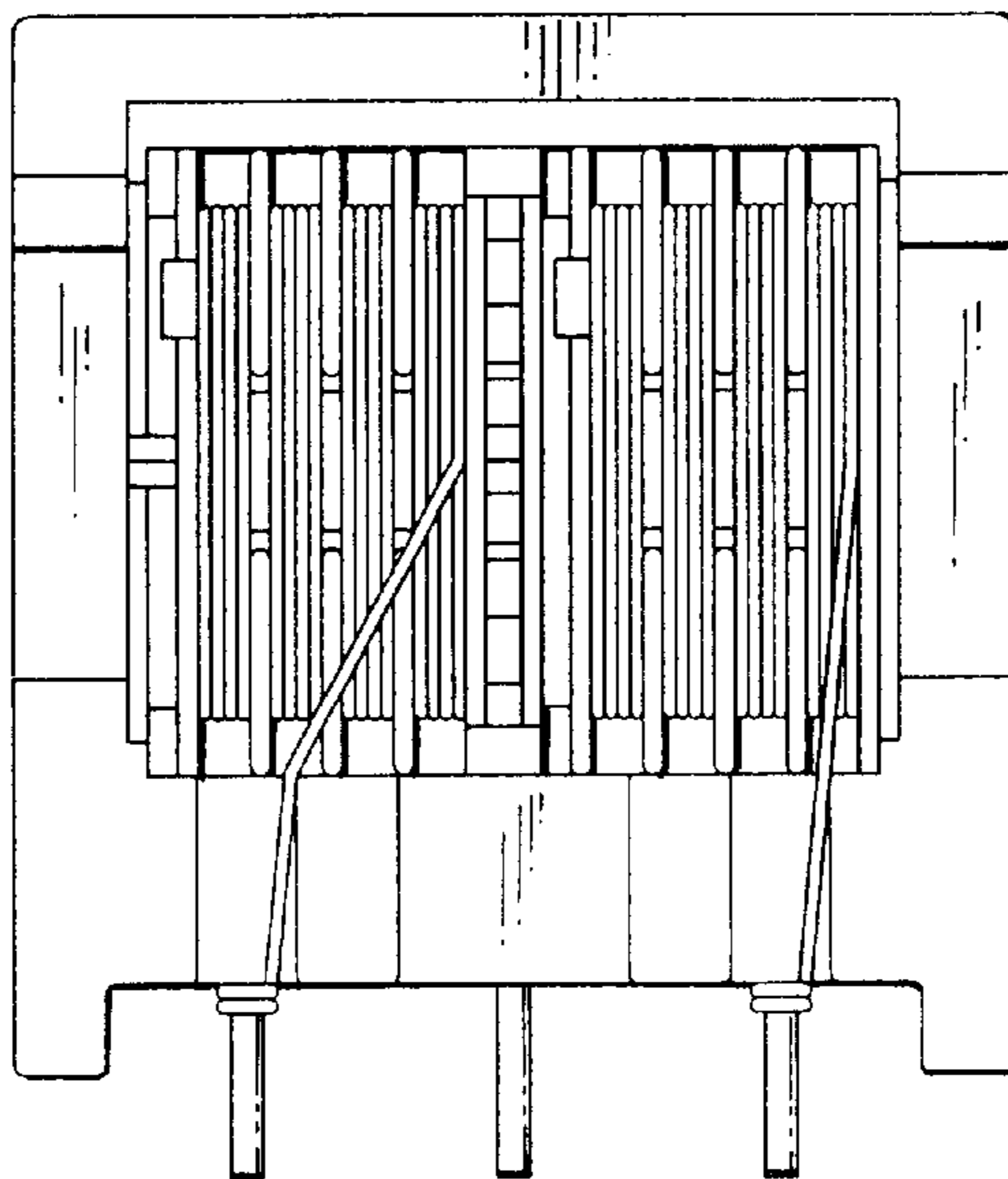


FIG. 2

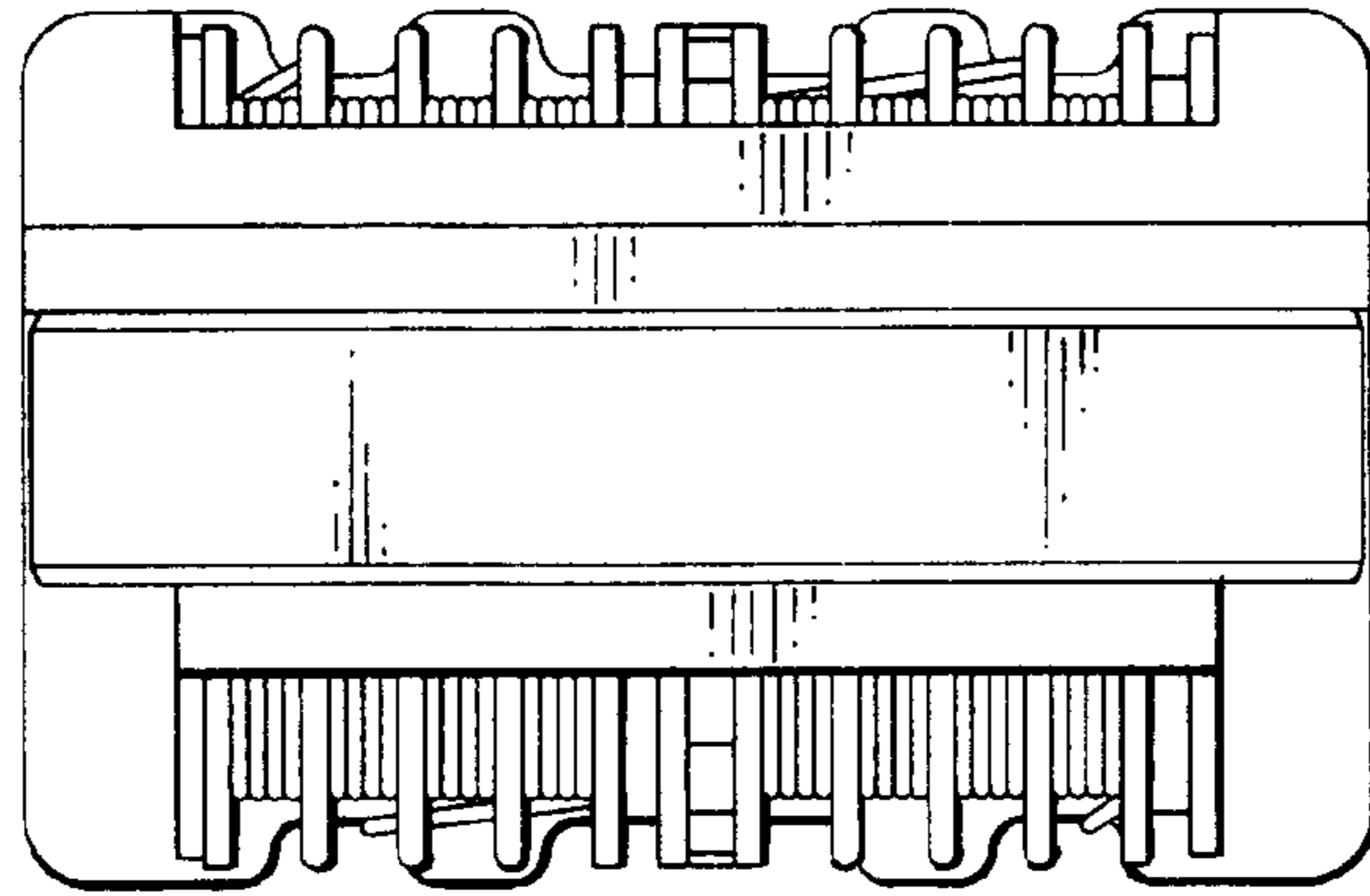


FIG. 3

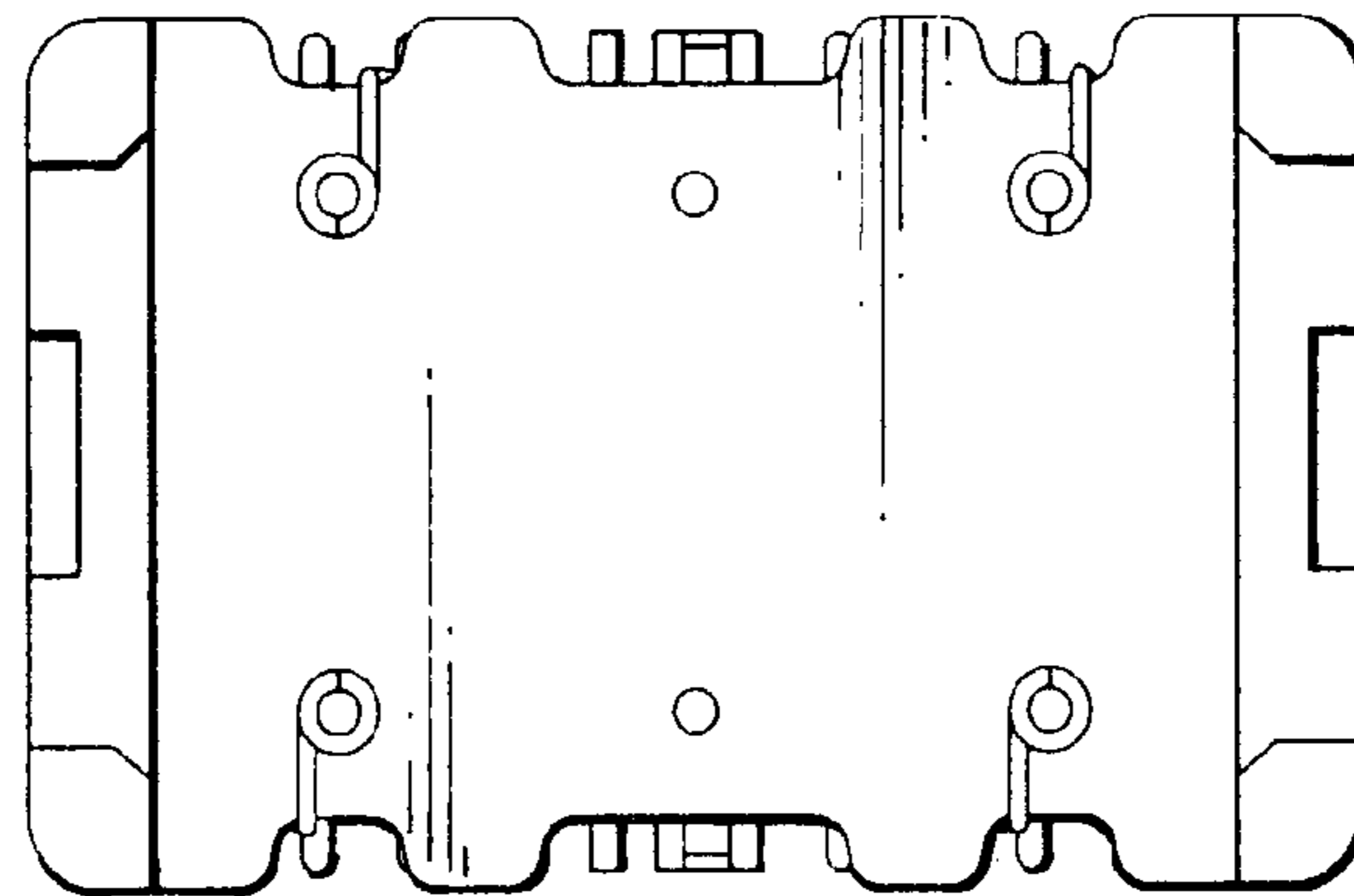
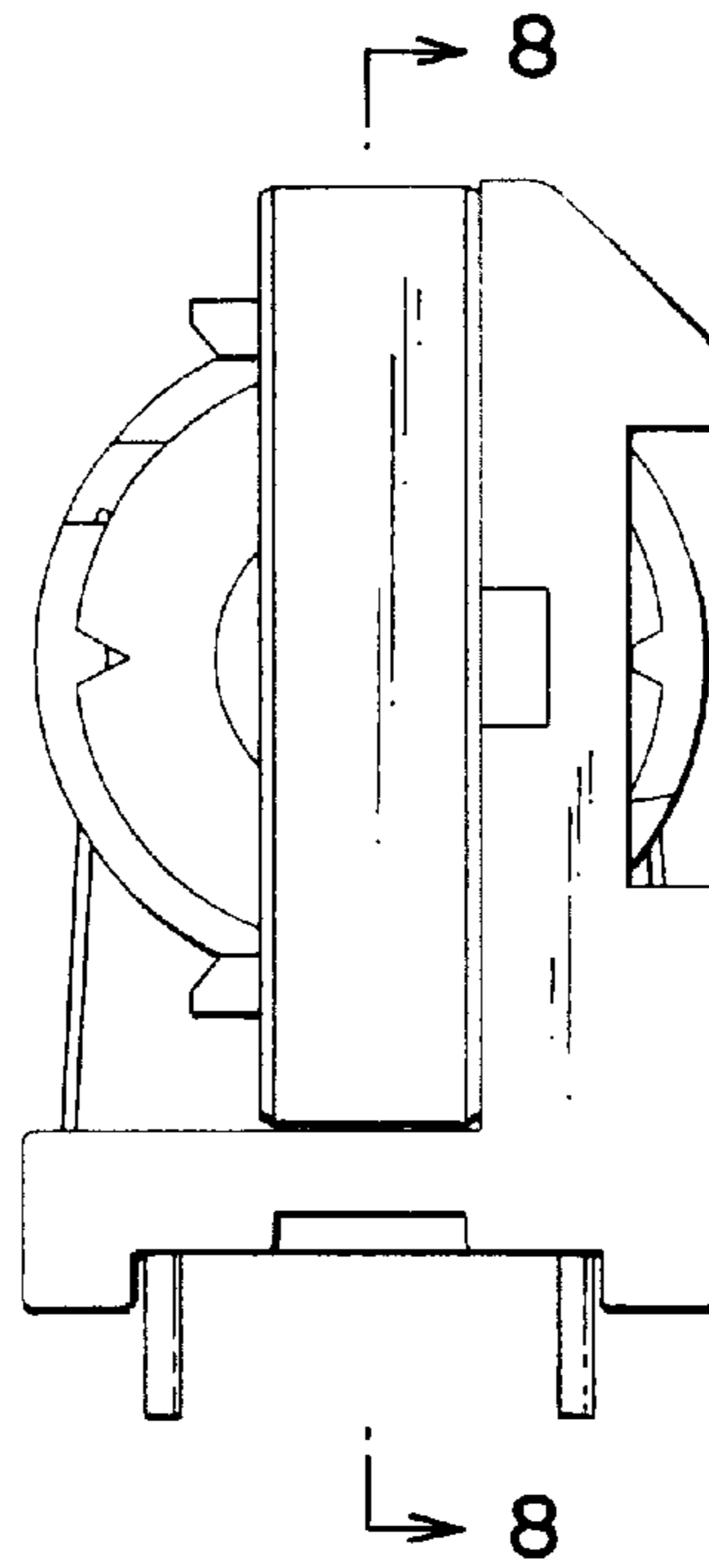
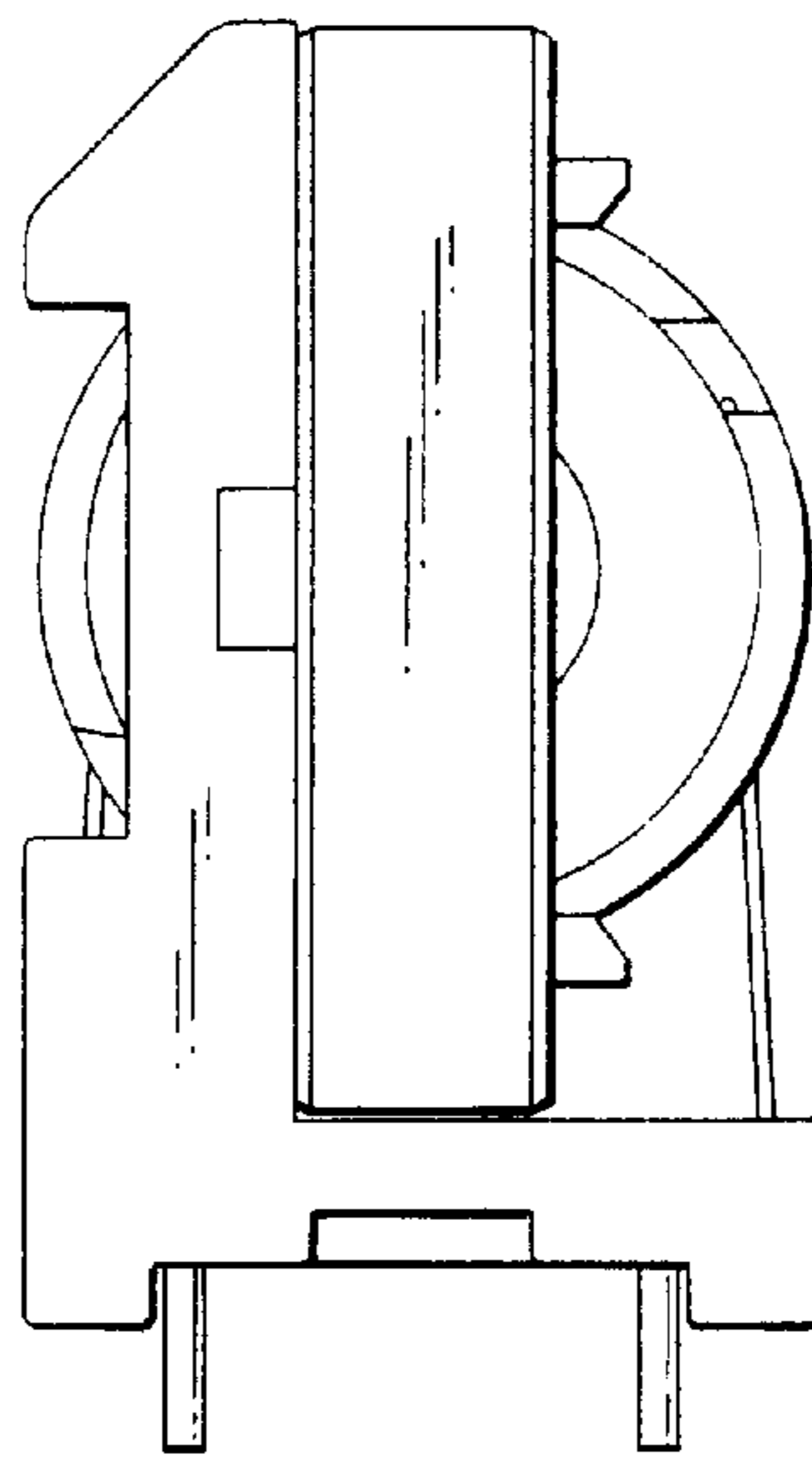


FIG. 4



**FIG. 5**



**FIG. 6**

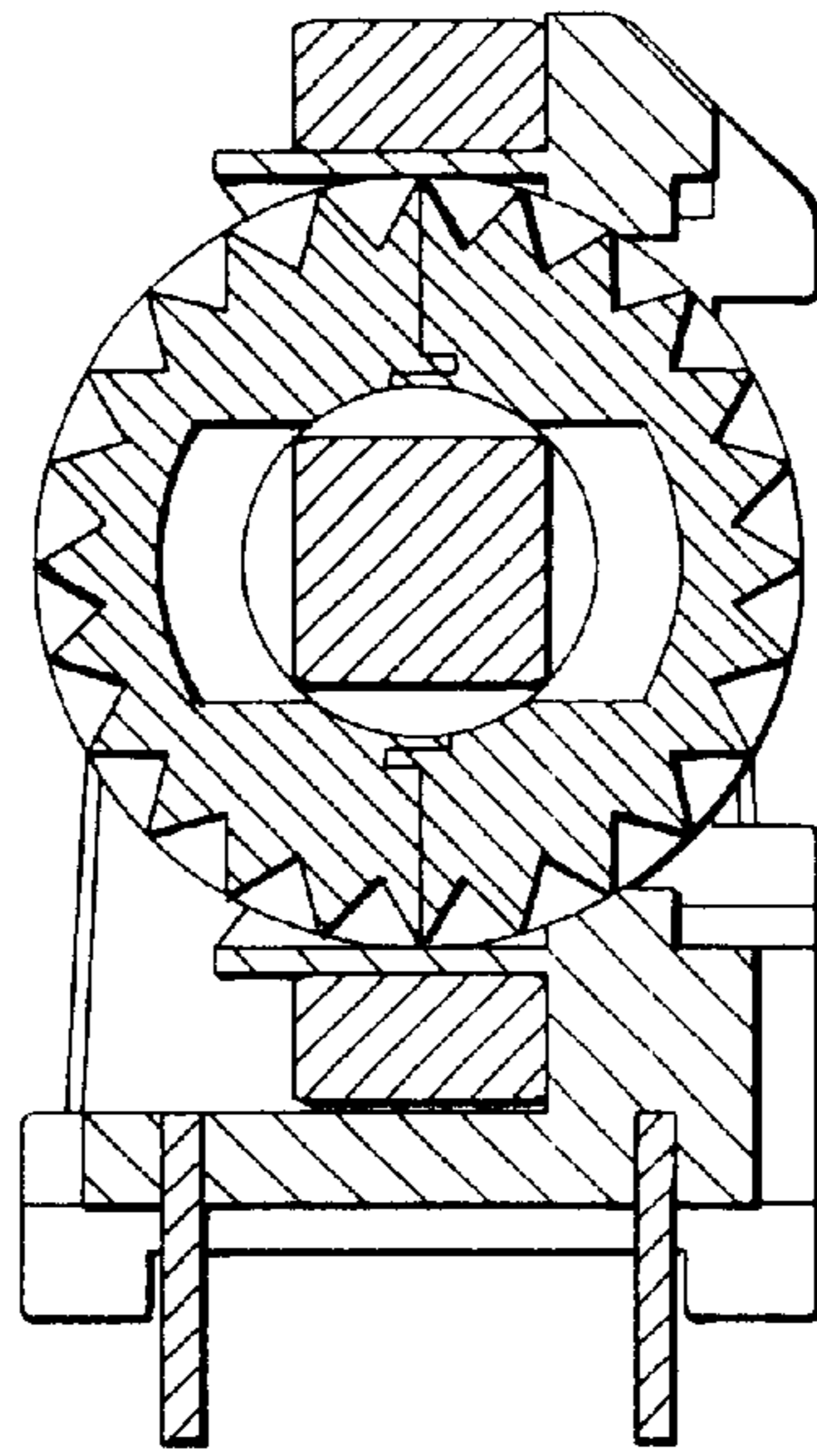


FIG. 7

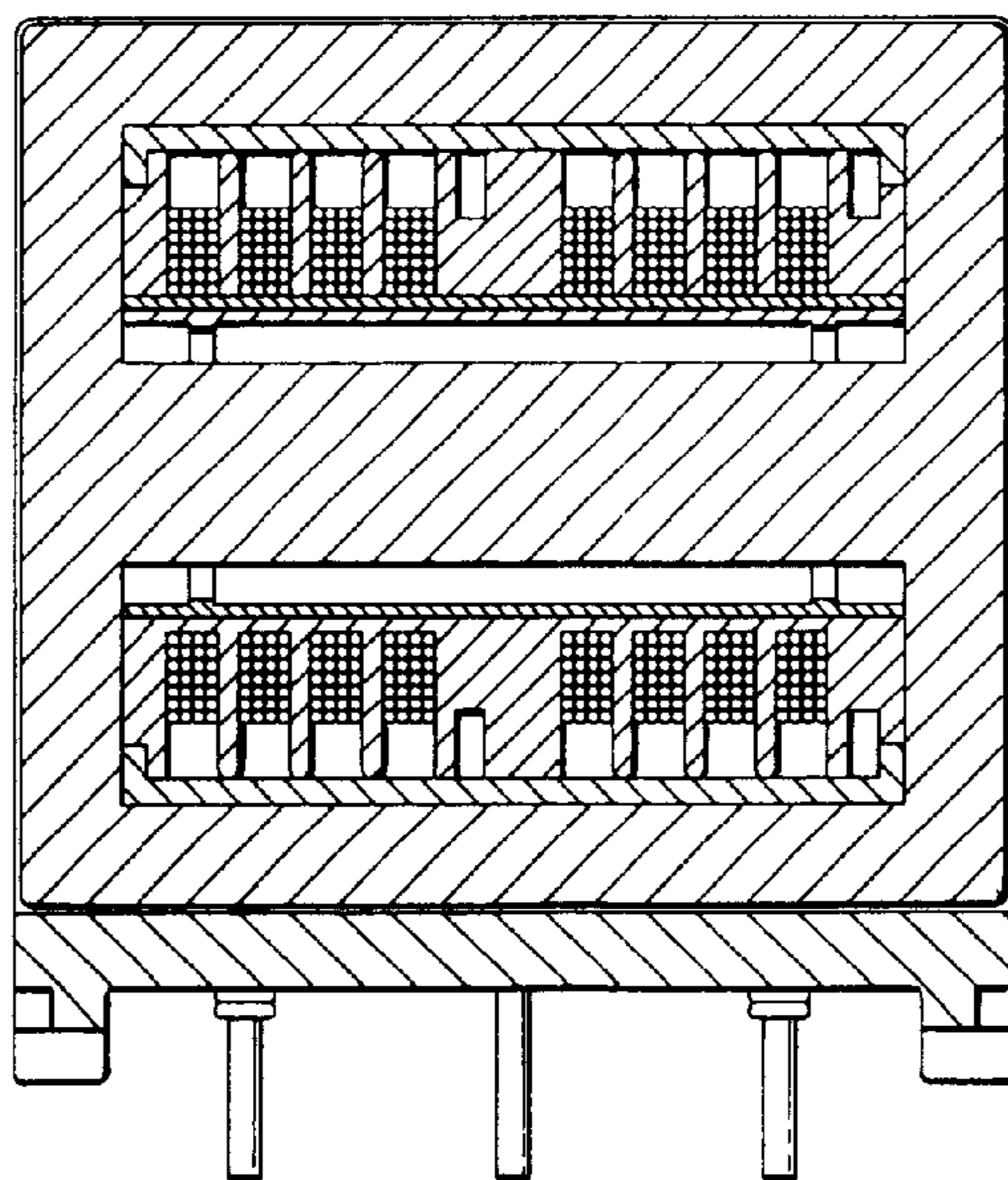


FIG. 8