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

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(45) **Date of Patent:** **\*\* Dec. 25, 2001**

(54) **ELECTRICAL CONNECTOR**

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(73) Assignee: **Hirose Electric Co., Ltd., Tokyo (JP)**

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

(21) Appl. No.: **29/141,646**

(22) Filed: **May 11, 2001**

(30) **Foreign Application Priority Data**

Dec. 7, 2000 (JP) ..... 12-034984

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

(52) **U.S. Cl.** ..... **D13/147**

(58) **Field of Search** ..... D13/146, 147;  
439/108, 607, 608, 677-681

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D. 379,620 \* 6/1997 Aramaki ..... D13/147

D. 412,700 \* 8/1999 Gardner et al. .... D13/147

D. 413,576 \* 9/1999 Ono et al. .... D13/147  
D. 415,997 \* 11/1999 Ono et al. .... D13/147  
D. 416,538 \* 11/1999 Lok ..... D13/147  
D. 422,561 \* 4/2000 Wu et al. .... D13/147  
5,885,088 \* 3/1999 Brennan et al. .... 439/680

\* cited by examiner

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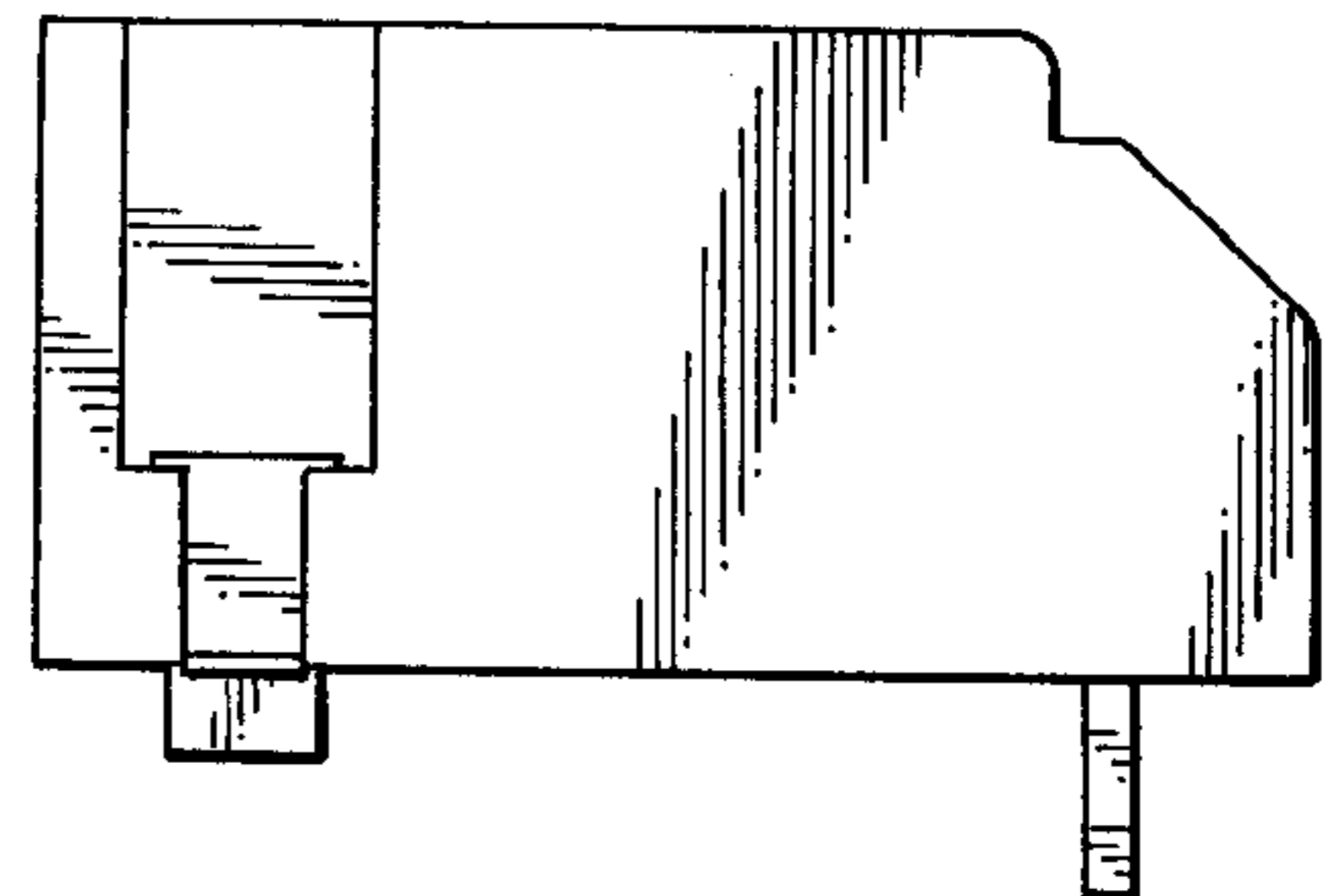
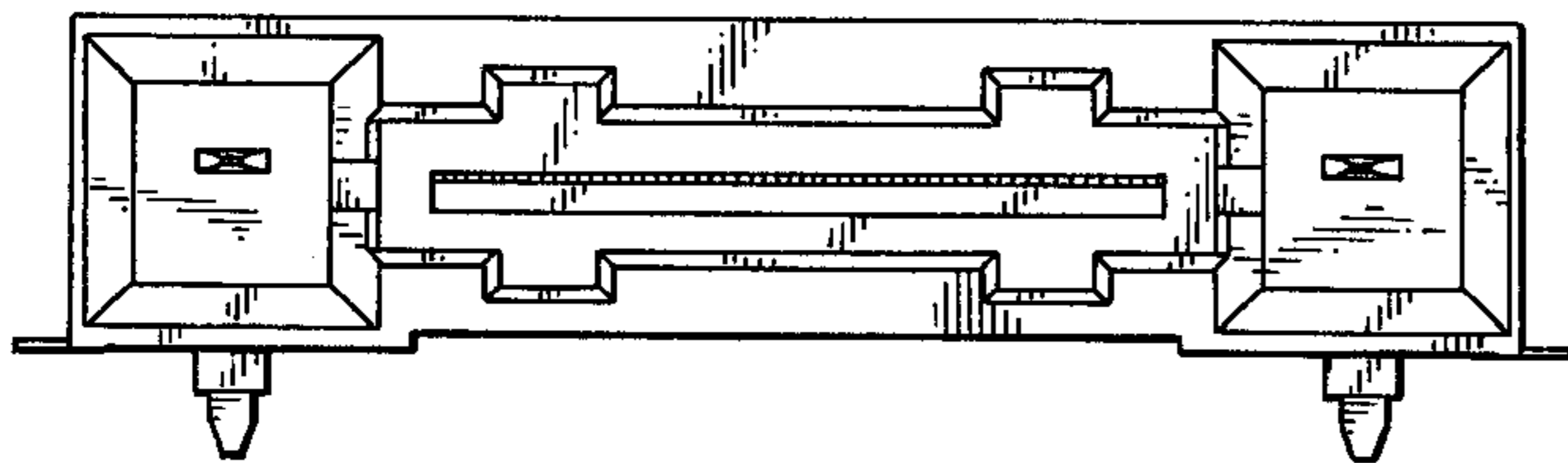
(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a front elevational view of an electrical connector showing an embodiment of our new design; 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-hand side elevational view thereof; and, FIG. 6 is a left-hand side elevational view thereof.

**1 Claim, 2 Drawing Sheets**



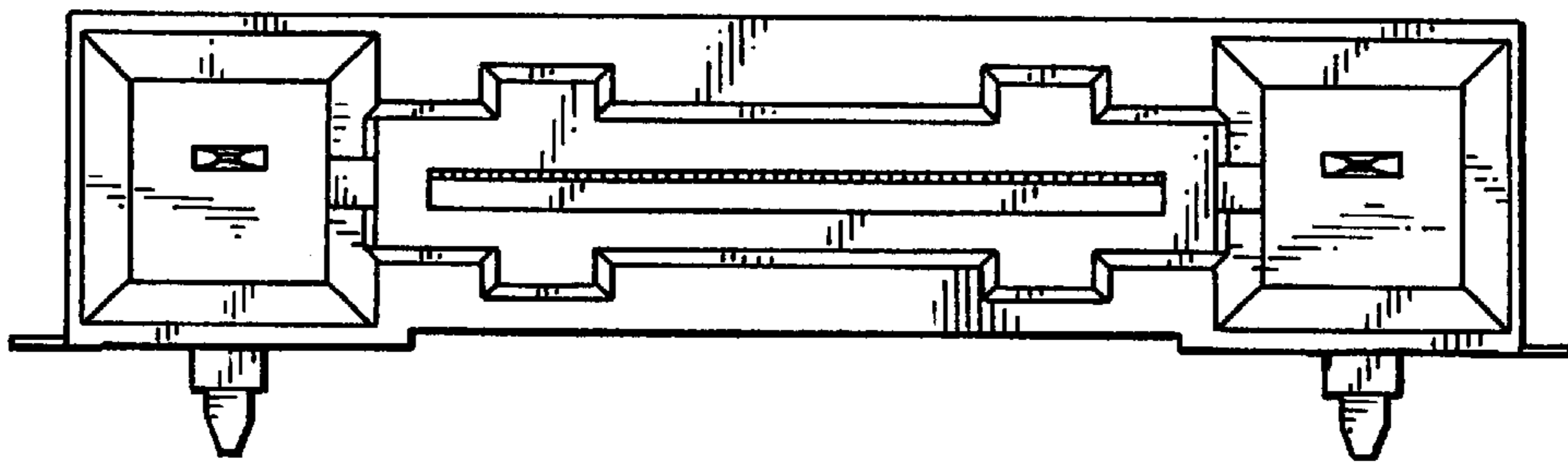


FIG. 1

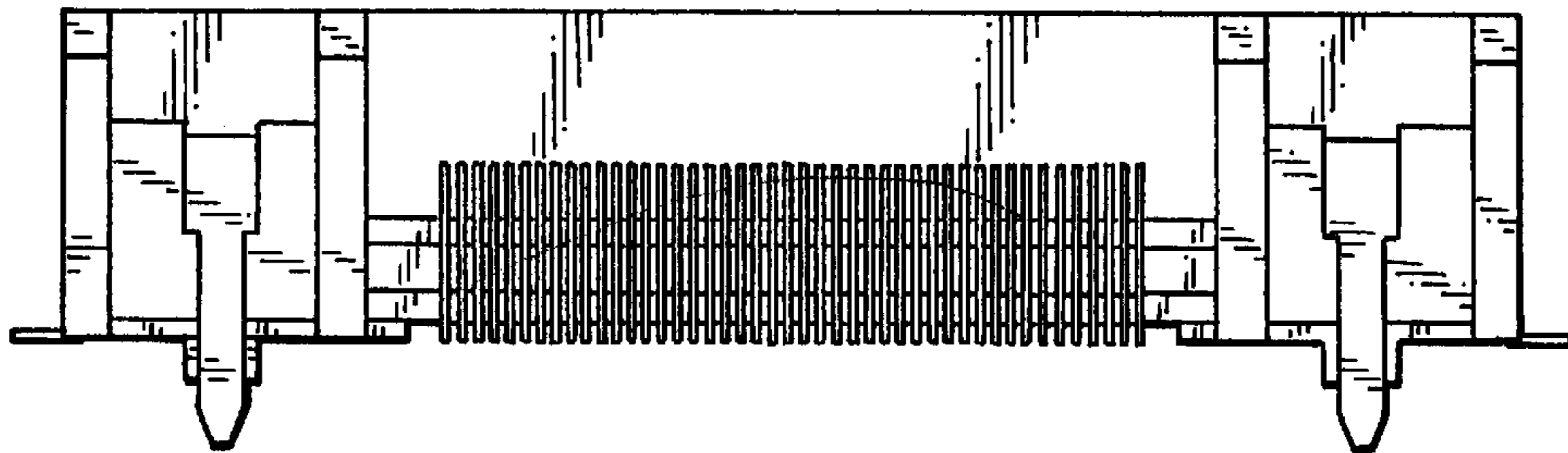


FIG. 2

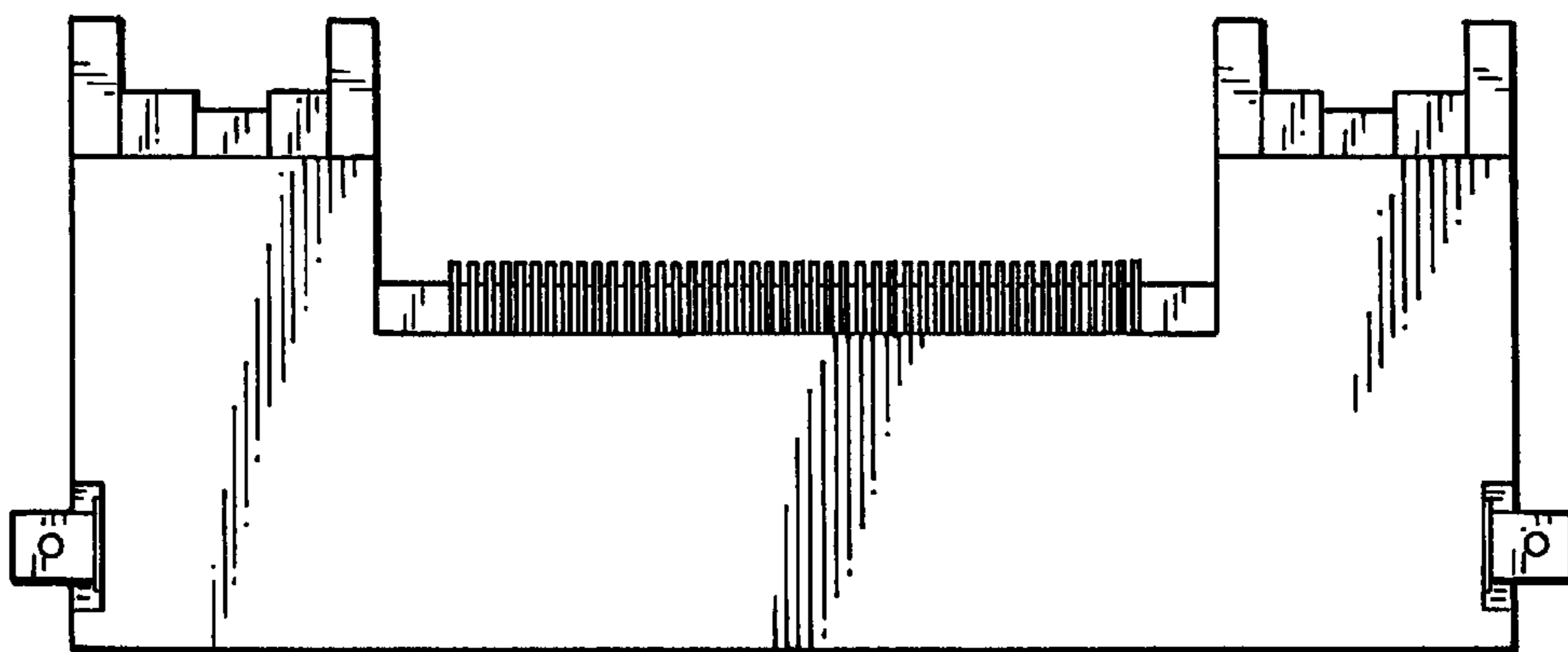


FIG. 3

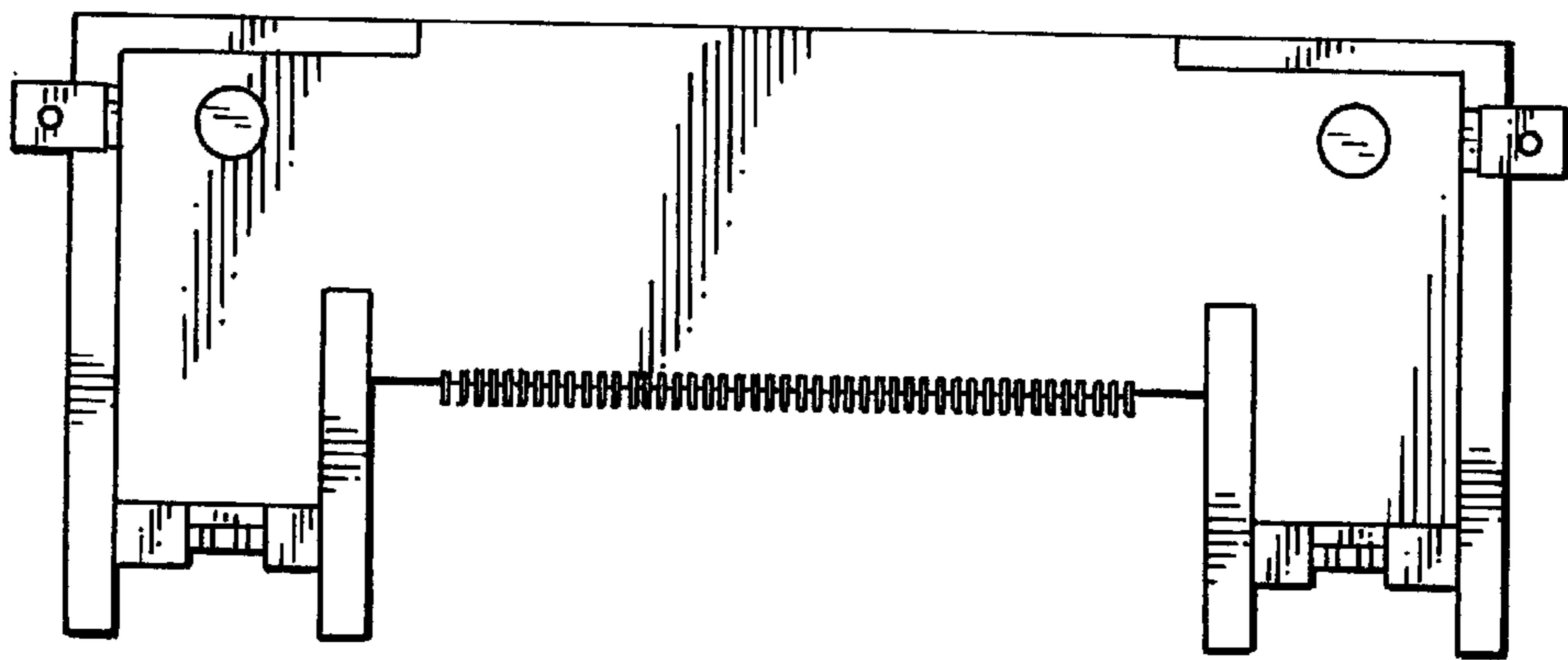


FIG. 4

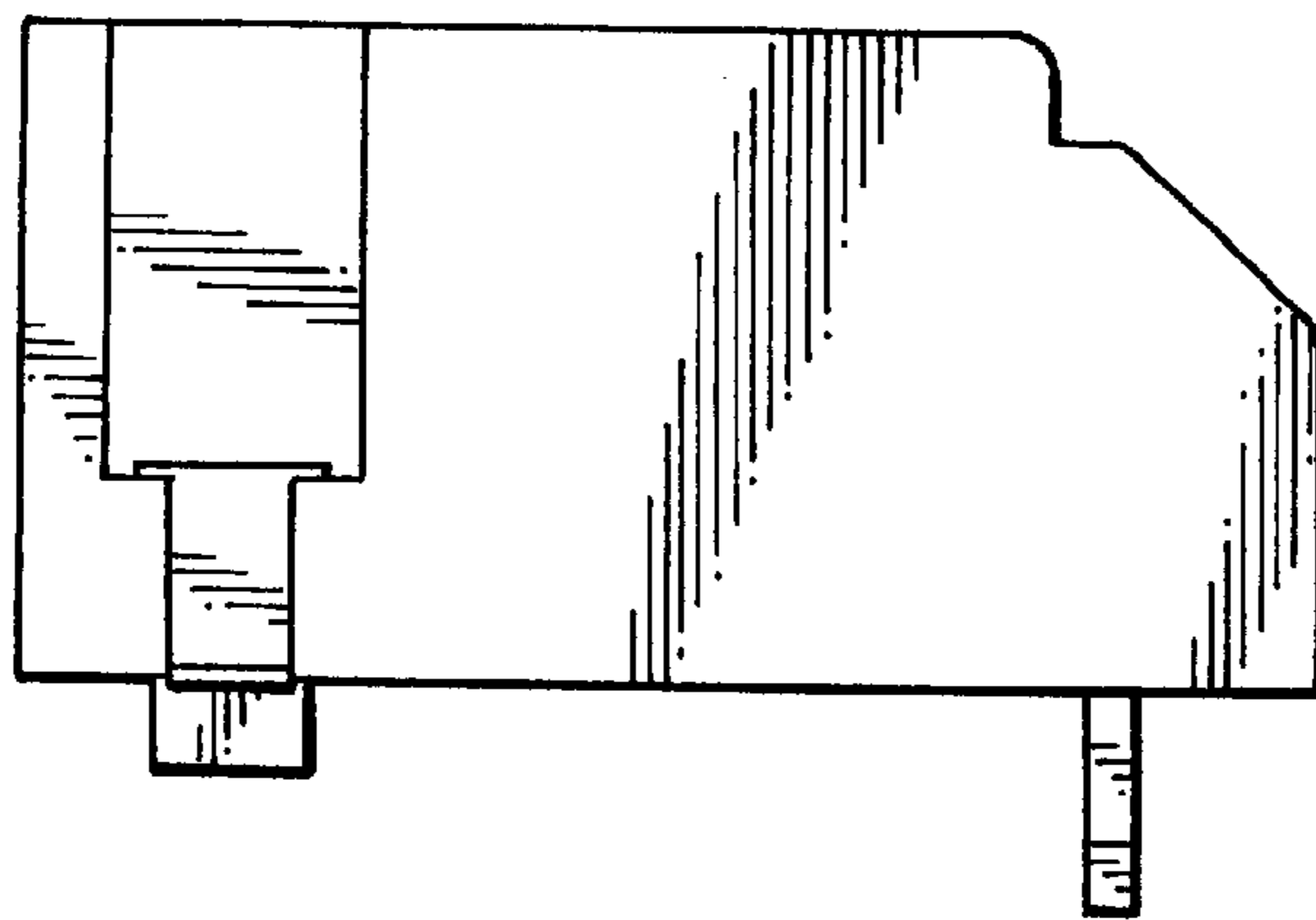


FIG. 5

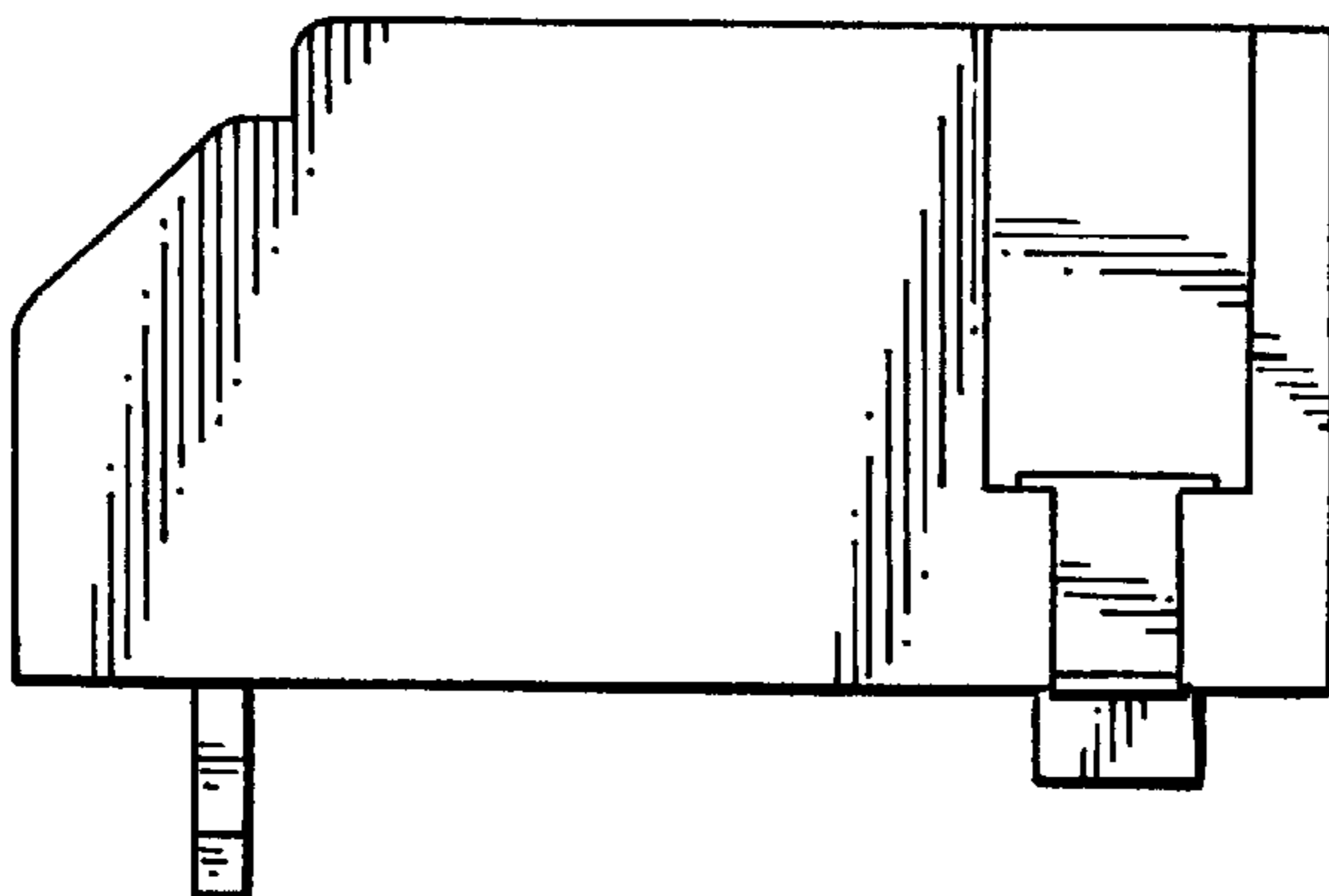


FIG. 6