



US00D482327S

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

(10) **Patent No.:** **US D482,327 S**

(45) **Date of Patent:** **** Nov. 18, 2003**

(54) **ELECTRICAL CONNECTOR**

(75) Inventors: **Yuichi Saito**, Sagamihara (JP); **Kumi Hirose**, Utsunomiya (JP)

(73) Assignee: **Japan Aviation Electronics Industry, Limited**, Tokyo (JP)

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

(21) Appl. No.: **29/169,134**

(22) Filed: **Oct. 15, 2002**

(30) **Foreign Application Priority Data**

Apr. 15, 2002 (JP) 2002-013800

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

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

(58) **Field of Search** D13/147; 439/62,
439/260, 395, 495, 422, 499

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,882,223	A	*	3/1999	Igarashi	.....	439/495
6,099,346	A	*	8/2000	Hashiguchi et al.	.....	439/495
6,146,171	A	*	11/2000	Kunishi et al.	.....	439/260
D435,831	S	*	1/2001	Ko	.....	D13/147
6,293,818	B1	*	9/2001	Kim et al.	.....	439/495
D453,319	S	*	2/2002	Yokoyama	.....	D13/147
D457,138	S	*	5/2002	Igarashi	.....	D13/147
6,416,360	B1	*	7/2002	Zhang et al.	.....	439/607

D467,549	S	*	12/2002	Wu	.....	D13/147
D470,109	S	*	2/2003	Yokoyama et al.	.....	D13/147
D470,110	S	*	2/2003	Yamane	.....	D13/147

* cited by examiner

Primary Examiner—Joel Sincavage

(74) *Attorney, Agent, or Firm*—Collard & Roe, P.C.

(57) **CLAIM**

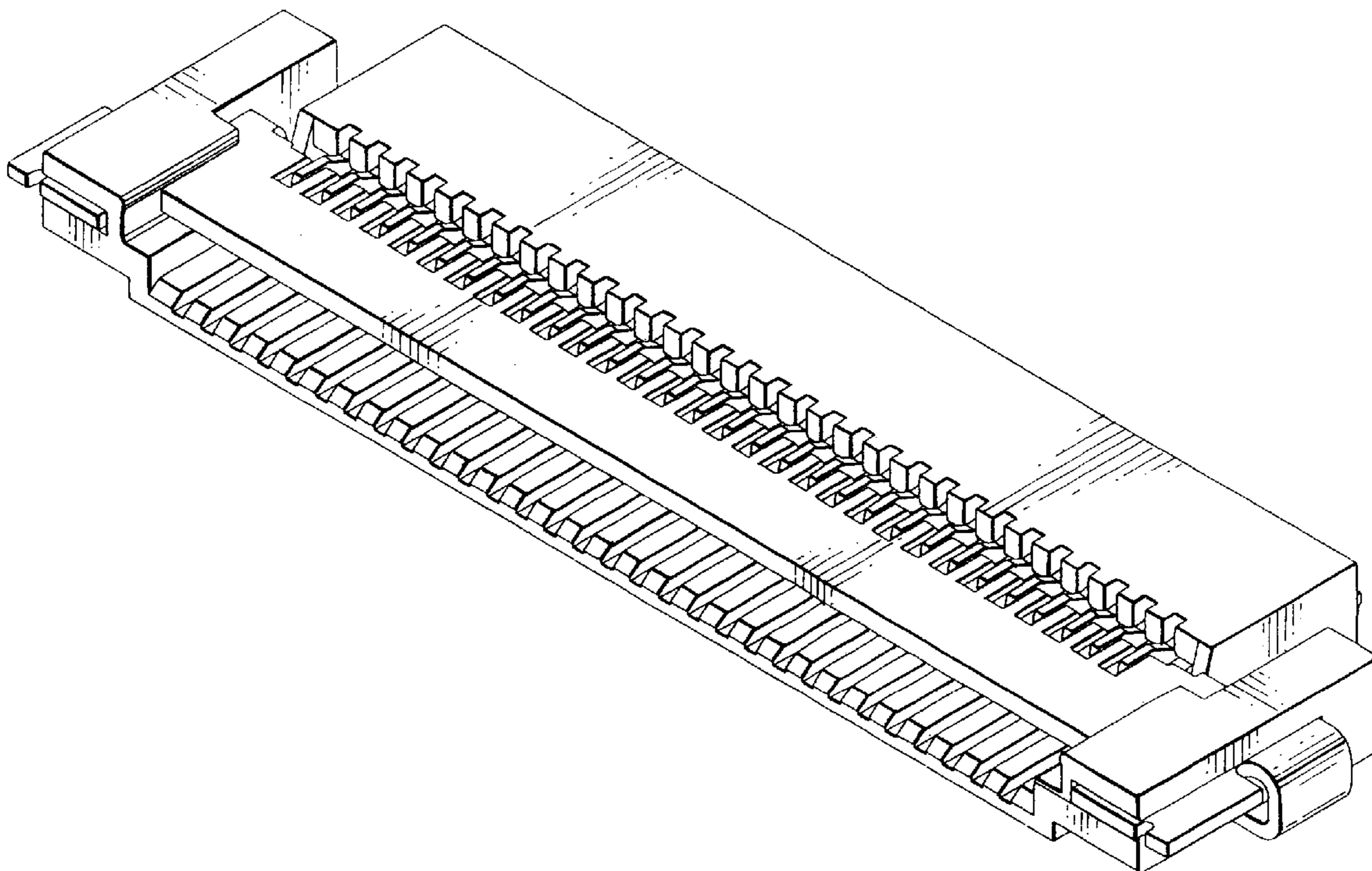
The ornamental design for an electrical connector, as shown and described.

DESCRIPTION

FIG. 1 is a front elevation view of an electrical connector; FIG. 2 is a rear elevation view thereof; FIG. 3 is a right side elevation view thereof; FIG. 4 is a top plan view thereof; FIG. 5 is a bottom plan view thereof; FIG. 6 is a perspective view of the front and right side thereof; and, FIG. 7 is another right side elevation view thereof in an enlarged scale, where a part thereof is presented by a cross section showing the actuator handle in the raised position. A left side elevation view of the electrical connector is omitted because it is presented symmetrical to the right side elevation view of FIG. 3.

A flexible printed circuit board or cable used with the electrical connector is drawn by dashed lines in FIG. 7 and forms no part of the claimed design.

1 Claim, 6 Drawing Sheets



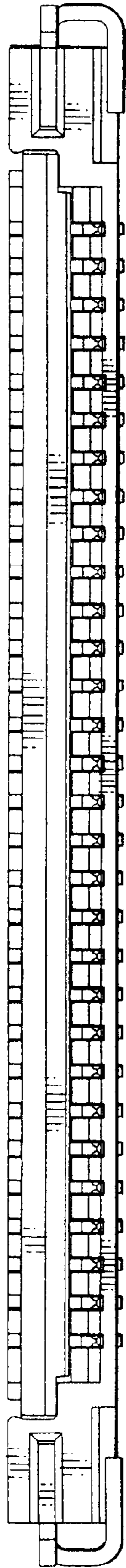


FIG. 1

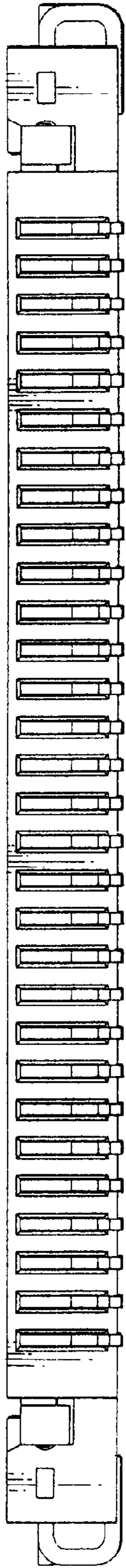


FIG. 2

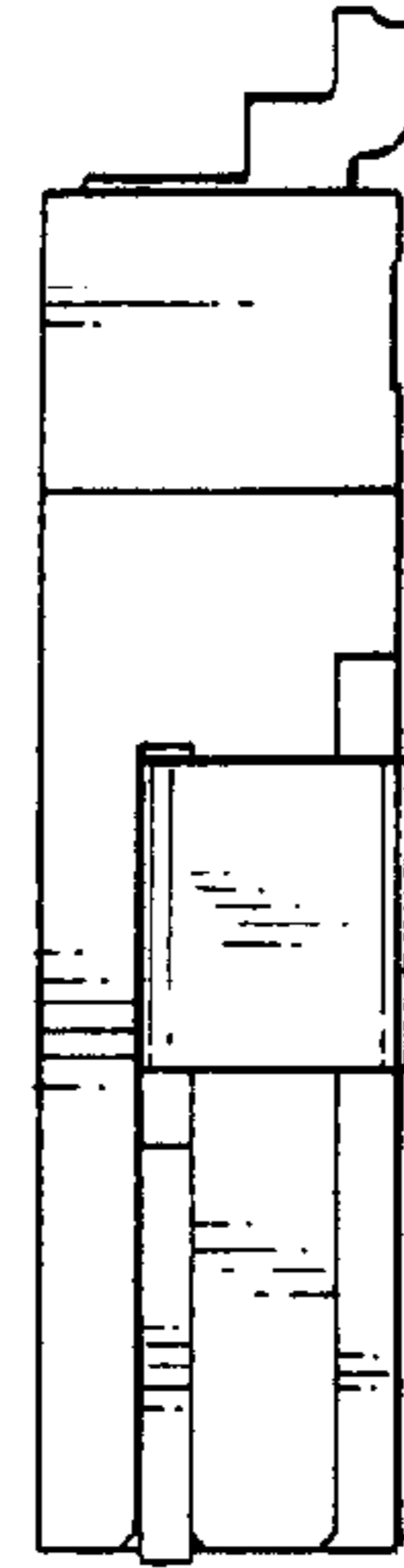


FIG. 3

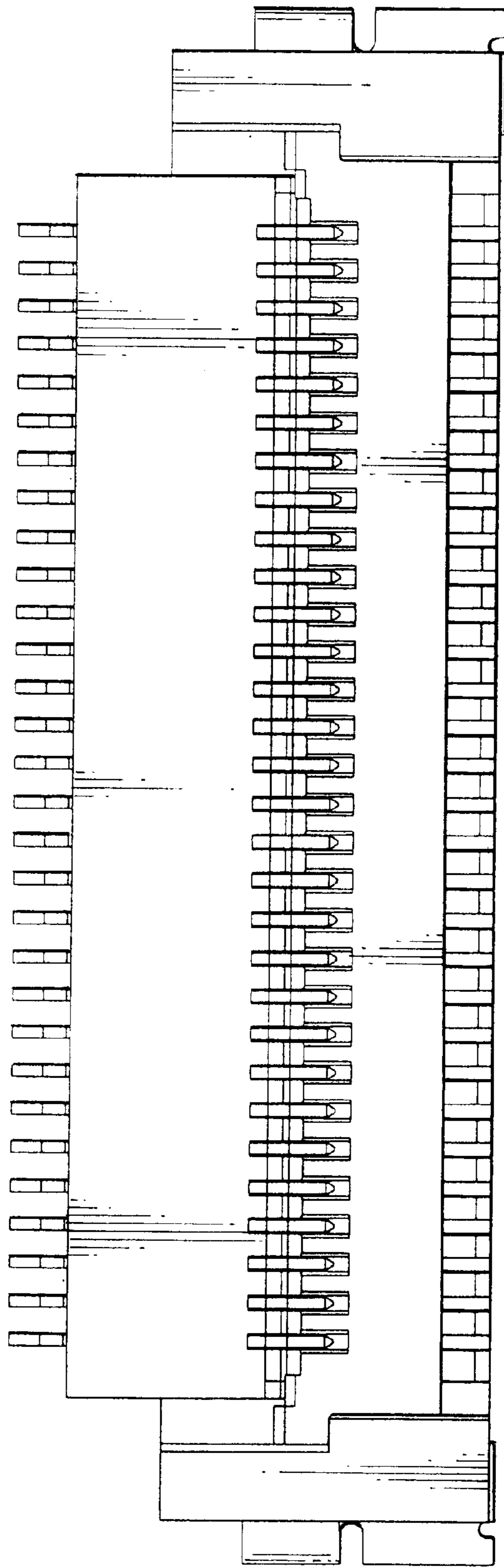


FIG. 4

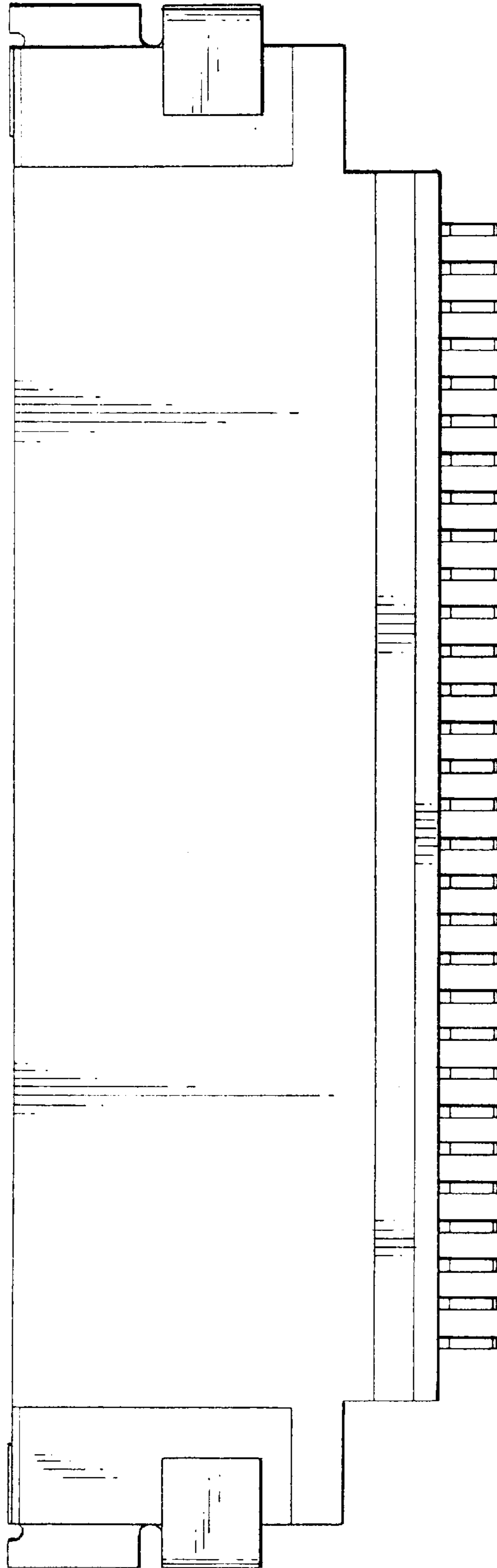


FIG. 5

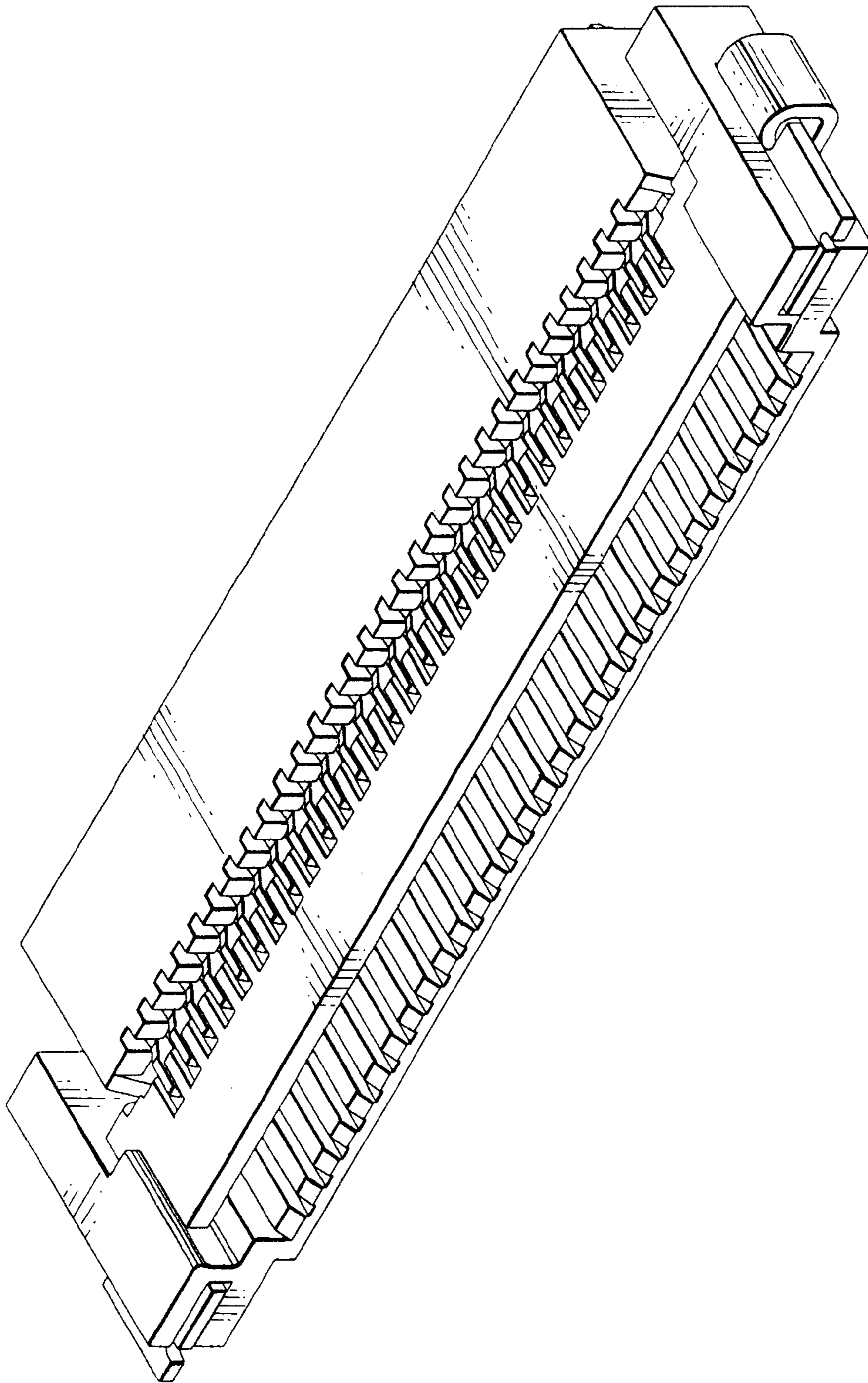


FIG. 6

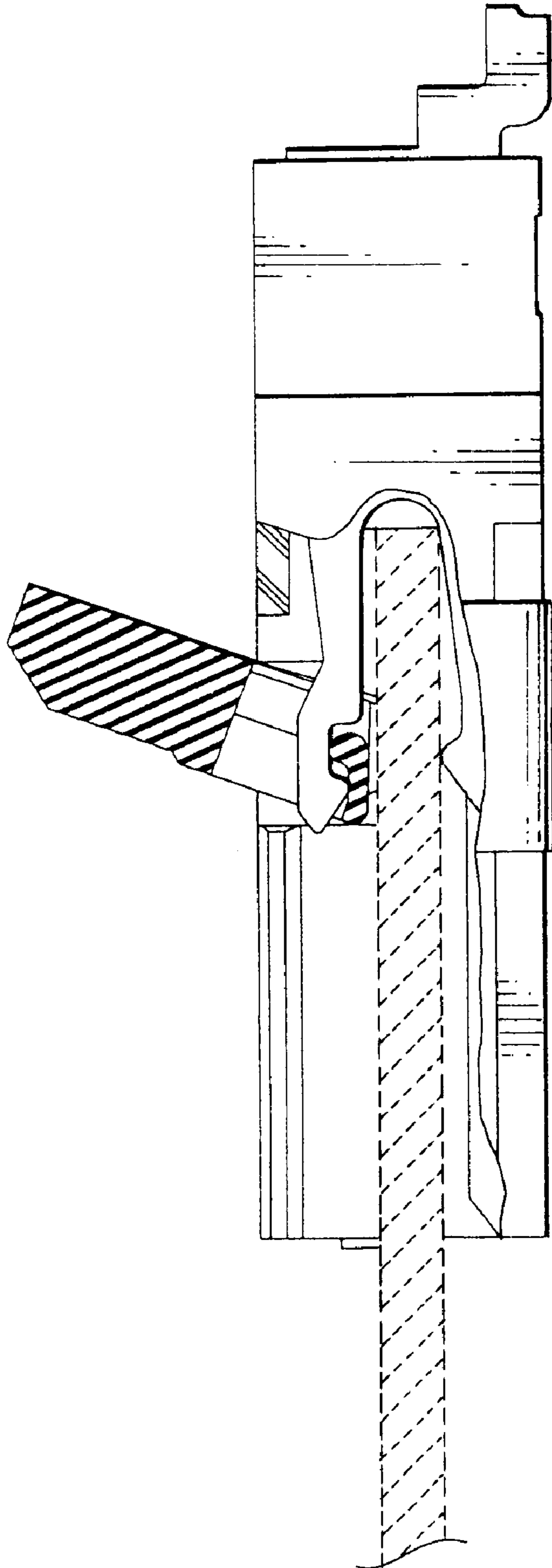


FIG. 7