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

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(45) **Date of Patent:** **\*\* Dec. 2, 2008**

(54) **ELECTRICAL CONNECTOR**

FOREIGN PATENT DOCUMENTS

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JP 3-12383 2/1991  
JP 11-126667 11/1999

\* cited by examiner

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(57) **CLAIM**

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

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

**DESCRIPTION**

(21) Appl. No.: **29/304,411**

FIG. 1 is a front elevation view of an electrical connector, showing our new design;

(22) Filed: **Feb. 29, 2008**

FIG. 2 is a rear elevation view thereof;

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

FIG. 3 is a left side elevation view thereof,

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

FIG. 4 is a right side elevation view thereof;

(58) **Field of Classification Search** ..... D13/146-147,  
D13/154, 184; 439/64, 79, 157, 159-160,  
439/325, 329, 395, 492, 496, 521, 607-610,  
439/630

FIG. 5 is a top plan view thereof;

FIG. 6 is a bottom plan view thereof;

See application file for complete search history.

FIG. 7 is a cross sectional view thereof taken along the line 7-7 in FIG. 1 thereof;

FIG. 8 is a cross sectional view thereof taken along the line 8-8 in FIG. 1 thereof;

(56) **References Cited**

U.S. PATENT DOCUMENTS

D505,920 S *	6/2005	Moritake	.....	D13/147
D508,023 S *	8/2005	Obikane et al.	.....	D13/147
D528,987 S *	9/2006	Peng	.....	D13/147
D533,506 S *	12/2006	Peng	.....	D13/147
D543,944 S *	6/2007	Yamada et al.	.....	D13/147
D562,770 S *	2/2008	Obikane	.....	D13/147

FIG. 9 is a top, front, and right side perspective view thereof; and,

FIG. 10 is a bottom, front, and left side perspective view thereof.

**1 Claim, 10 Drawing Sheets**

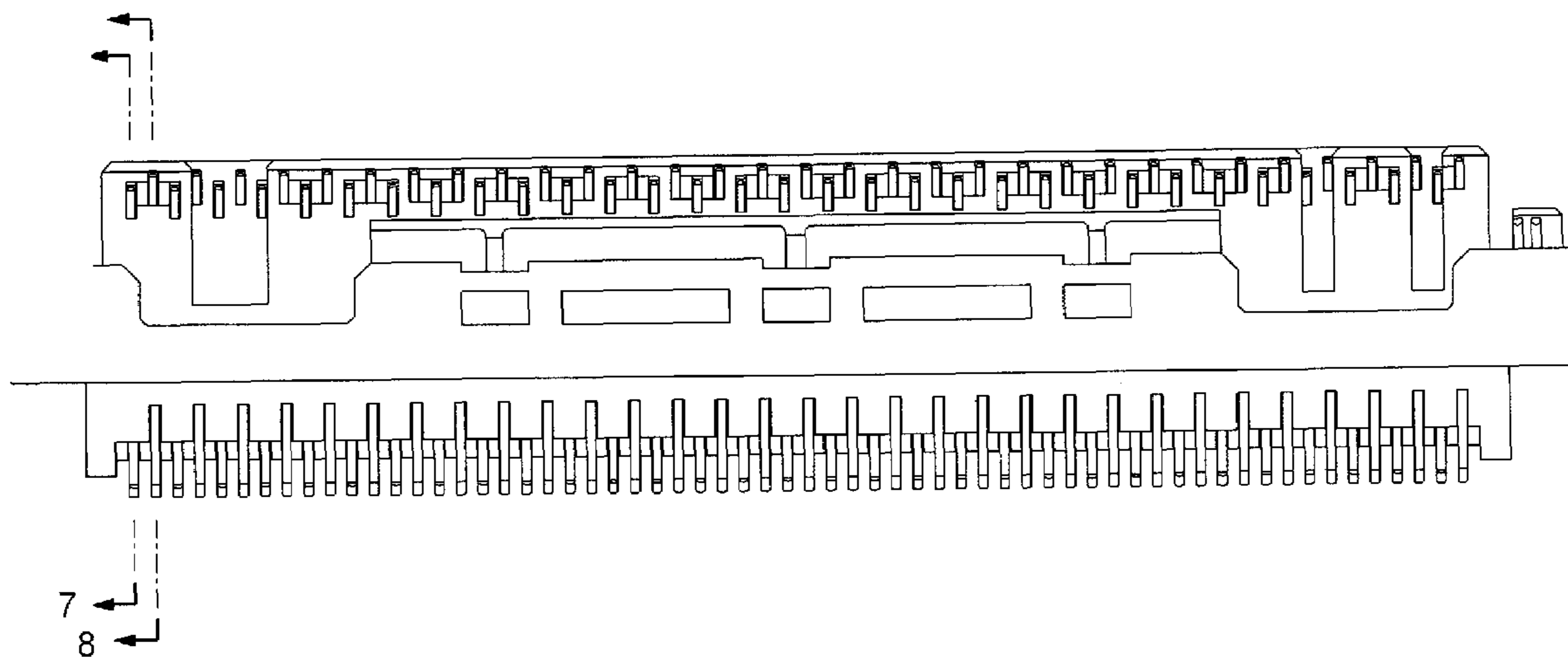


FIG. 1

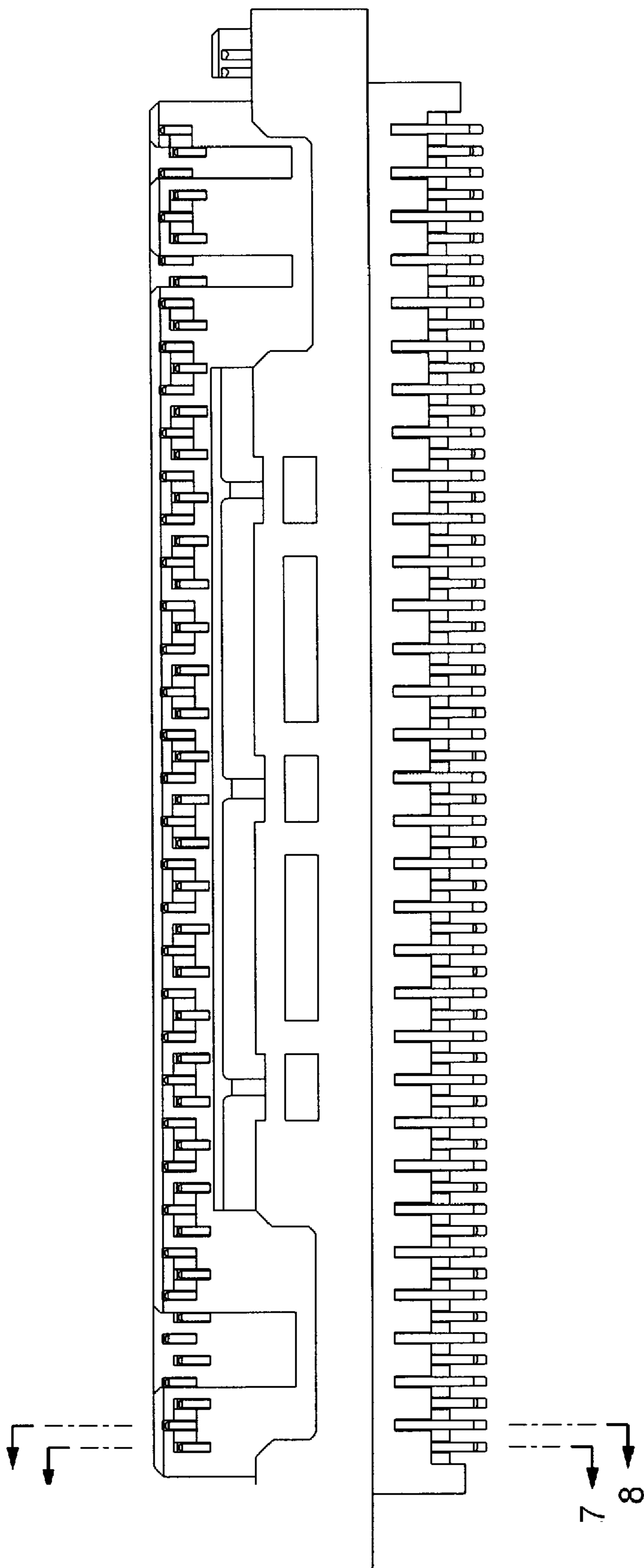
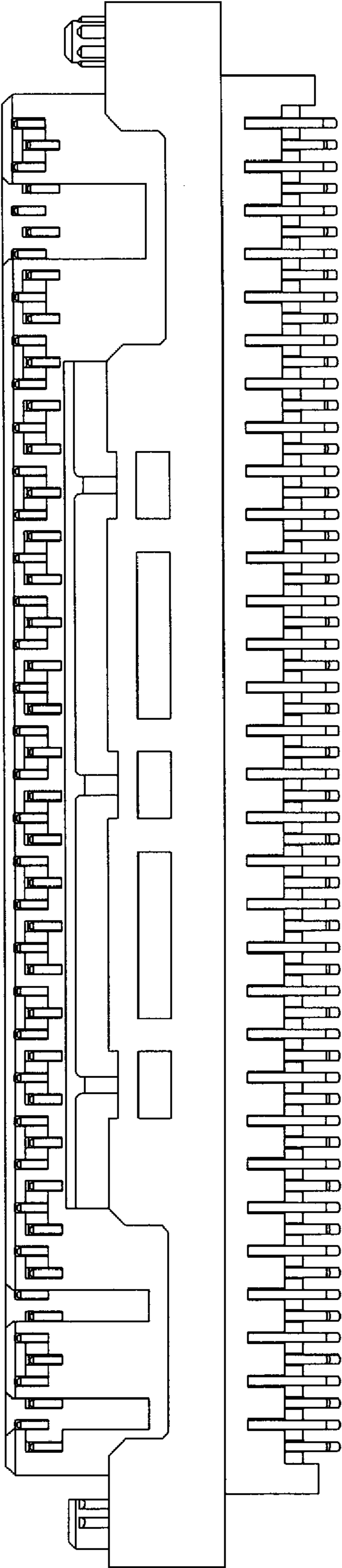
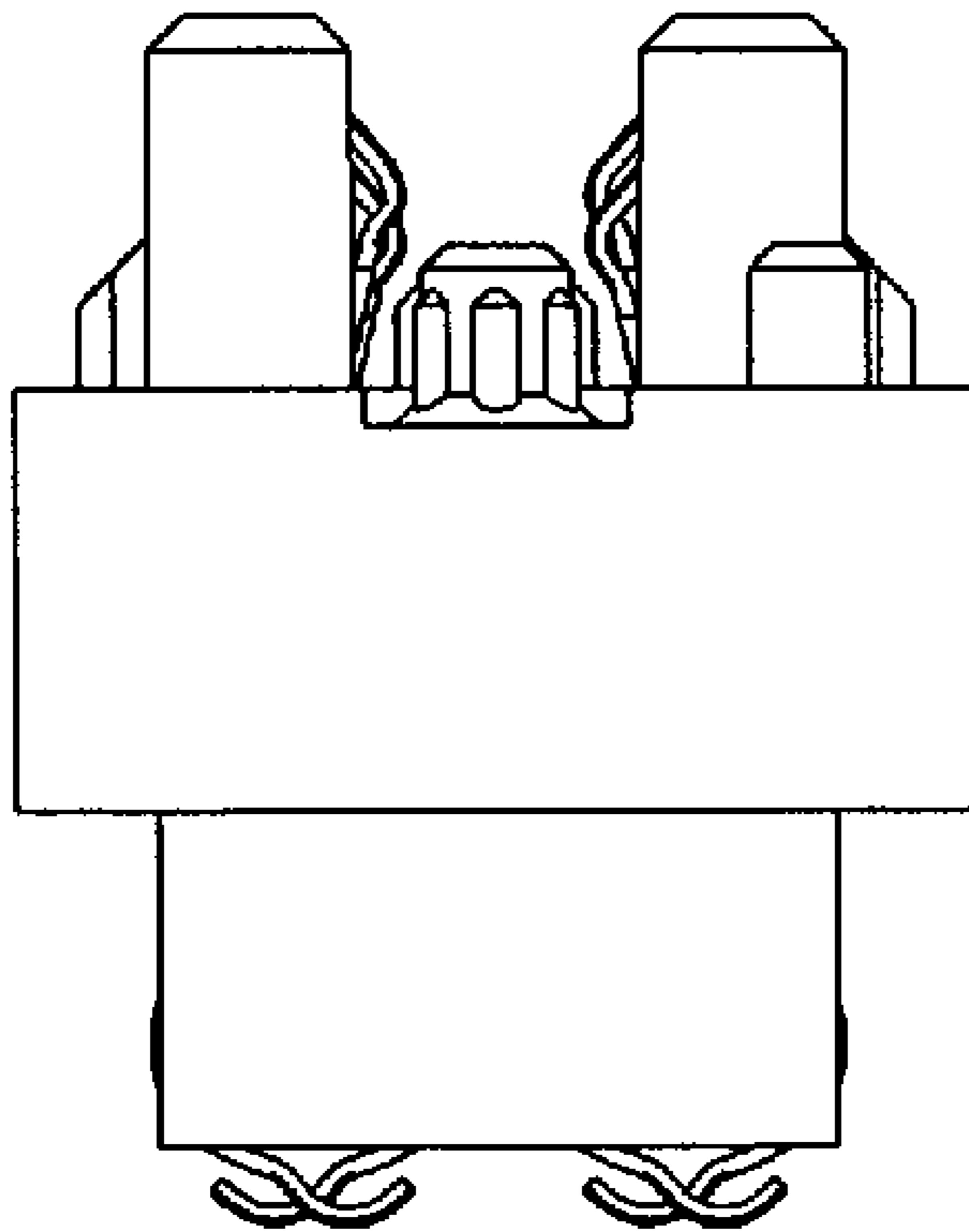


FIG. 2



# FIG. 3



# FIG. 4

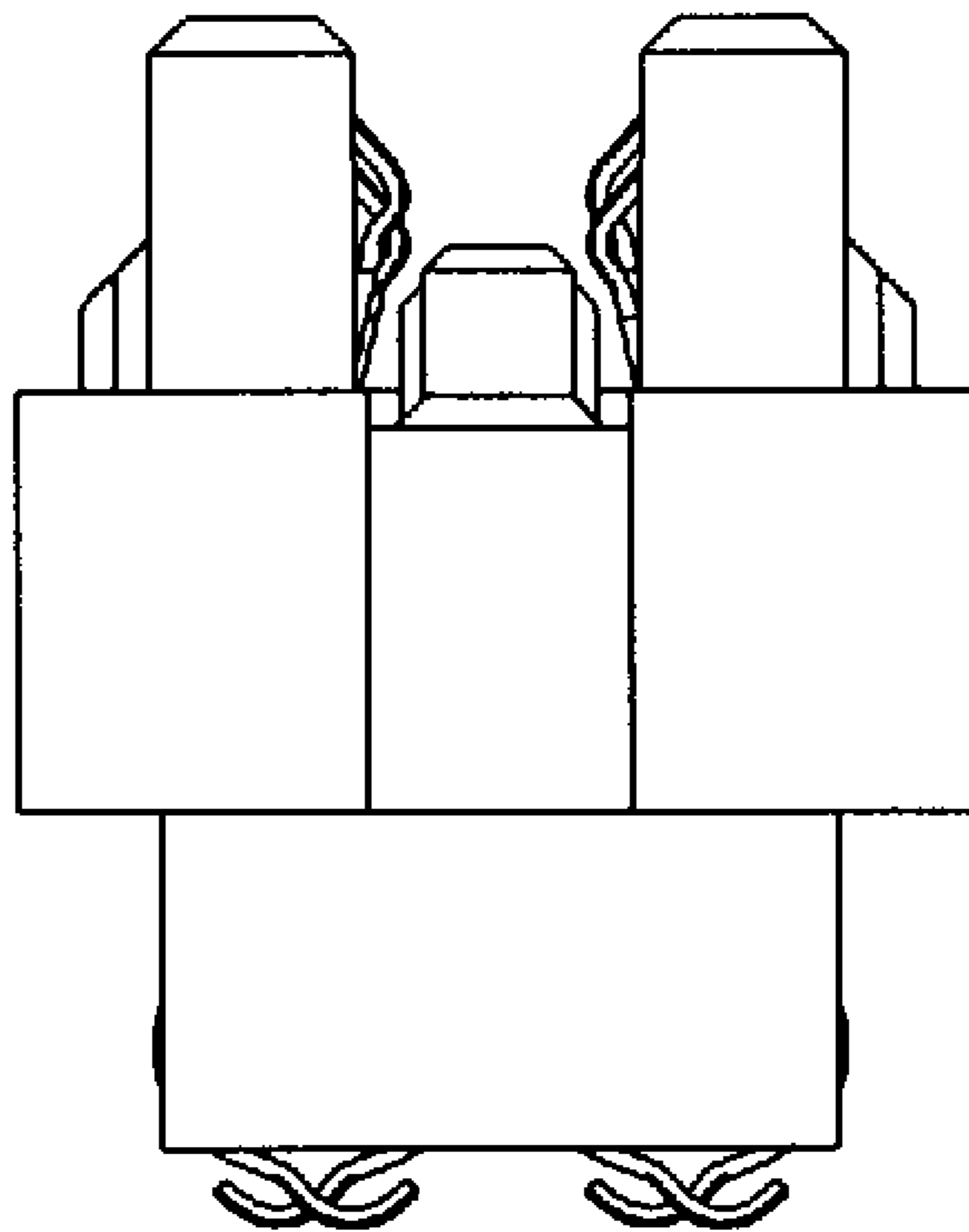


FIG. 5

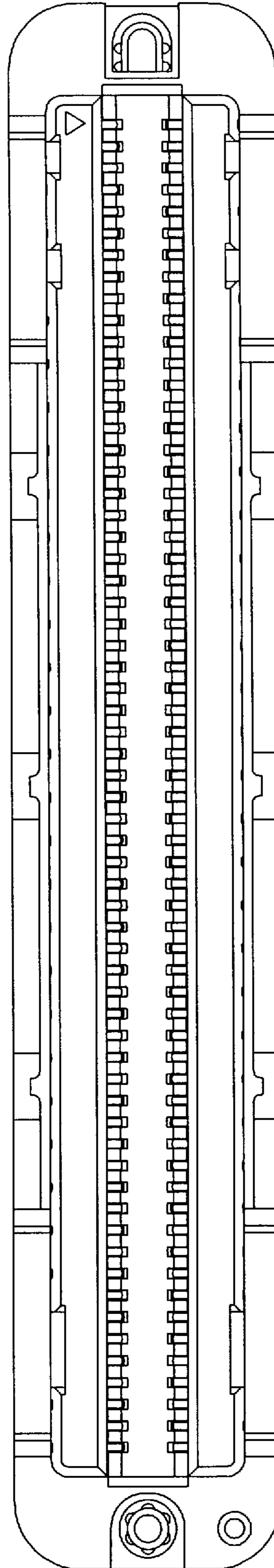
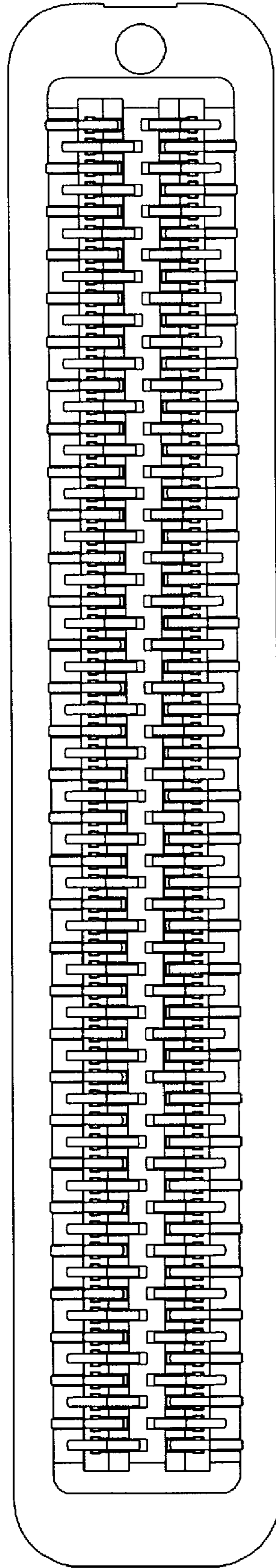
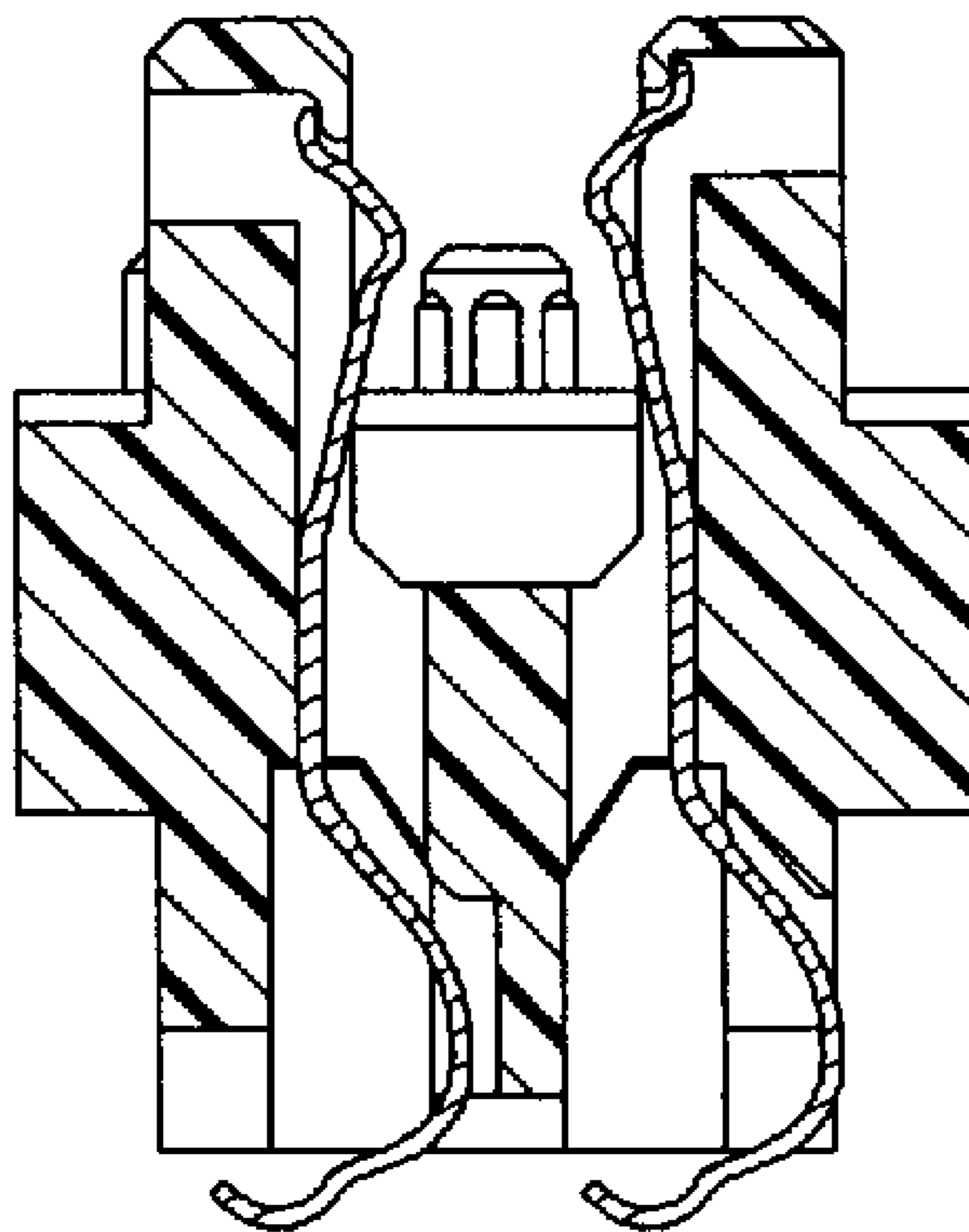


FIG. 6



# FIG. 7





# FIG. 8

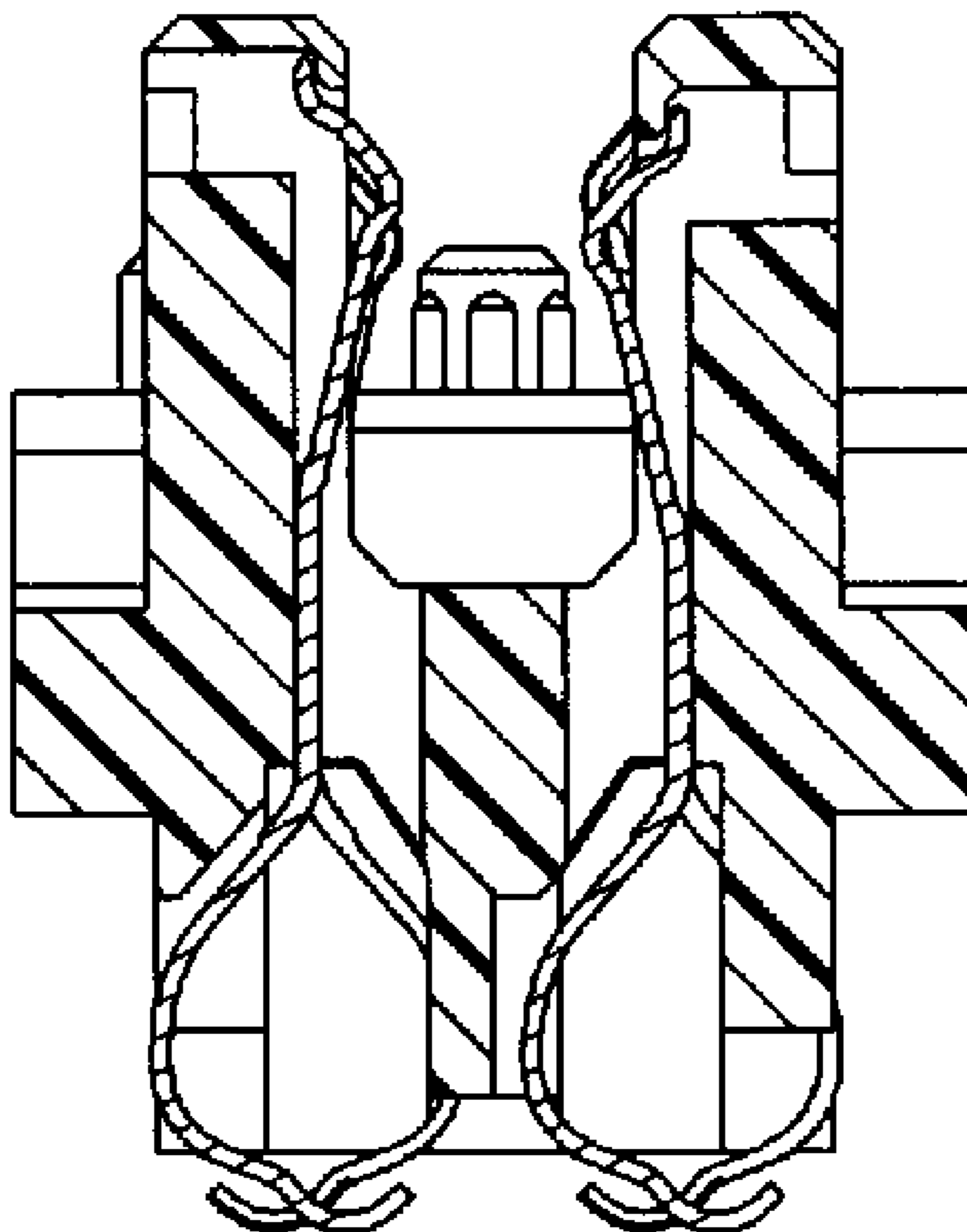


FIG. 9

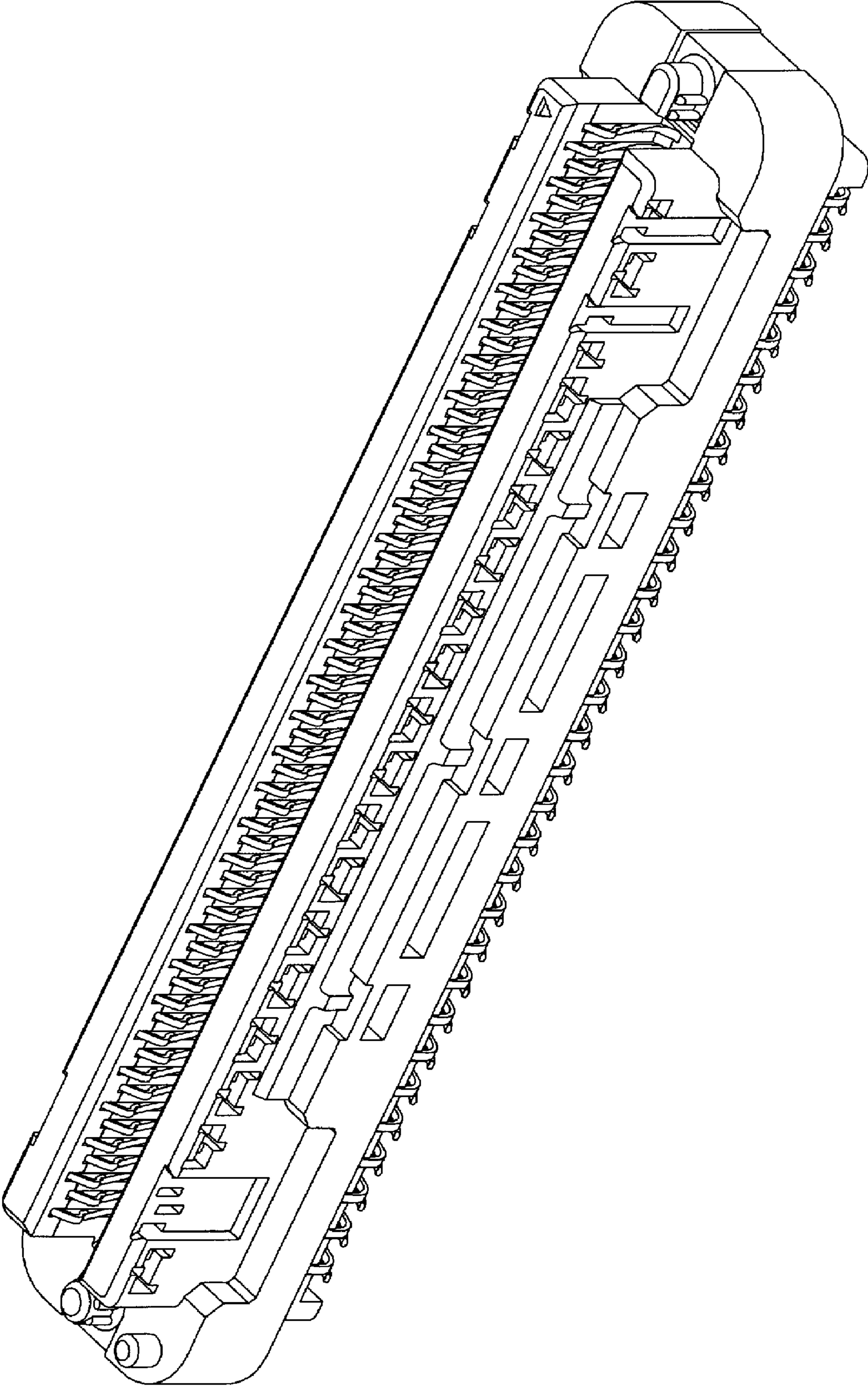


FIG. 10

