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# United States Patent [19]

Chang et al.

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[54] **ELECTRICAL CONNECTOR**

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[\*\*] Term: **14 Years**

[21] Appl. No.: **29/102,290**

[22] Filed: **Mar. 22, 1999**

[30] **Foreign Application Priority Data**

Sep. 22, 1998 [TW] Taiwan ..... 85302219U04

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

[52] **U.S. Cl.** ..... **D13/146; D13/147**

[58] **Field of Search** ..... D13/133, 146,  
D13/147; D14/256; 439/63, 532, 536, 540.1,  
541.5, 607, 676

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

- D. 340,058 10/1993 Wetzel et al. .... D14/256
- D. 411,513 6/1999 Wu et al. .... D13/147

- D. 413,103 8/1999 Wu ..... D13/147
- 4,889,502 12/1989 Althouse et al. .... 439/607
- 5,118,312 6/1992 Lu ..... 439/676
- 5,192,228 3/1993 Collins et al. .... 439/607 X
- 5,407,366 4/1995 Briones et al. .... 439/607 X
- 5,545,057 8/1996 Tan et al. .... 439/540.1
- 5,643,008 7/1997 Tan et al. .... 439/541.5
- 5,695,362 12/1997 Hillbish et al. .... 439/541.5
- 5,755,592 5/1998 Hillbish et al. .... 439/541.5
- 5,863,210 1/1999 Reisinger ..... 439/41

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*Attorney, Agent, or Firm*—Wei Te Chung

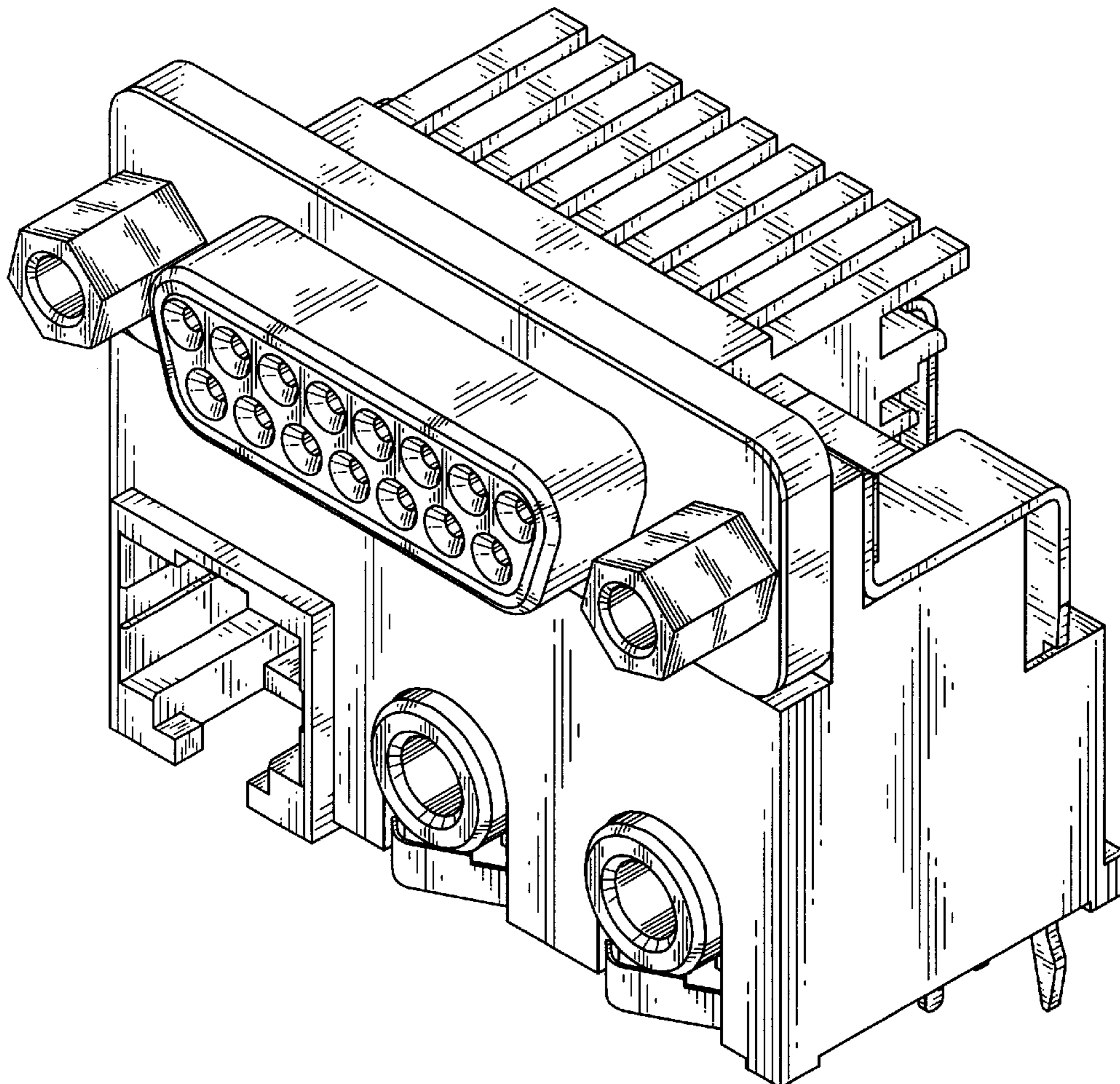
[57] **CLAIM**

The ornamental design for an electrical connector, as shown.

**DESCRIPTION**

FIG. 1 is a perspective view of an electrical connector showing my new design;  
FIG. 2 is a front elevational view thereof;  
FIG. 3 is a rear elevational view thereof;  
FIG. 4 is a left side elevational view thereof;  
FIG. 5 is a right side elevational view thereof;  
FIG. 6 is a top plan view thereof; and,  
FIG. 7 is a bottom plan view thereof.

**1 Claim, 7 Drawing Sheets**



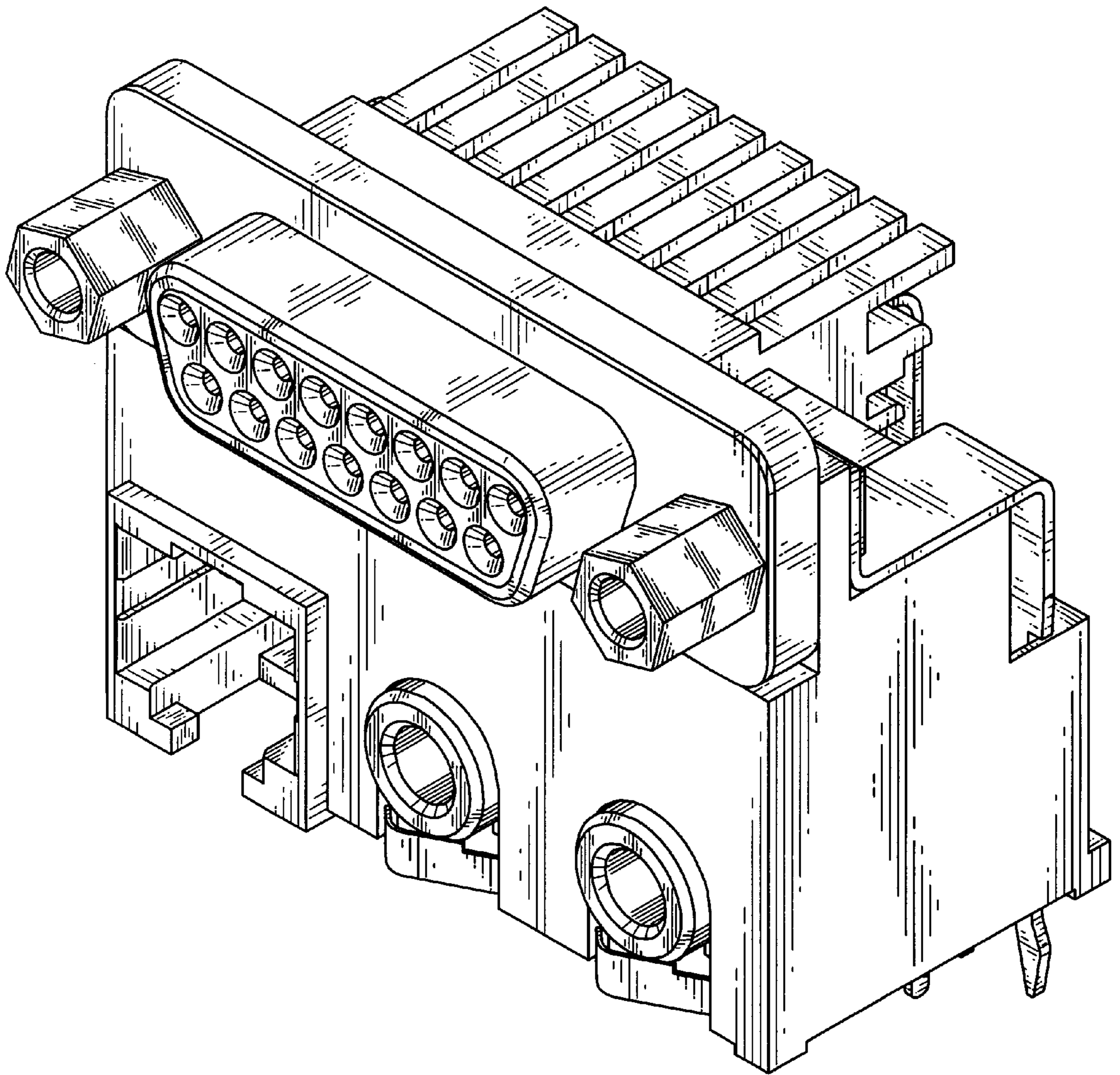


FIG. 1

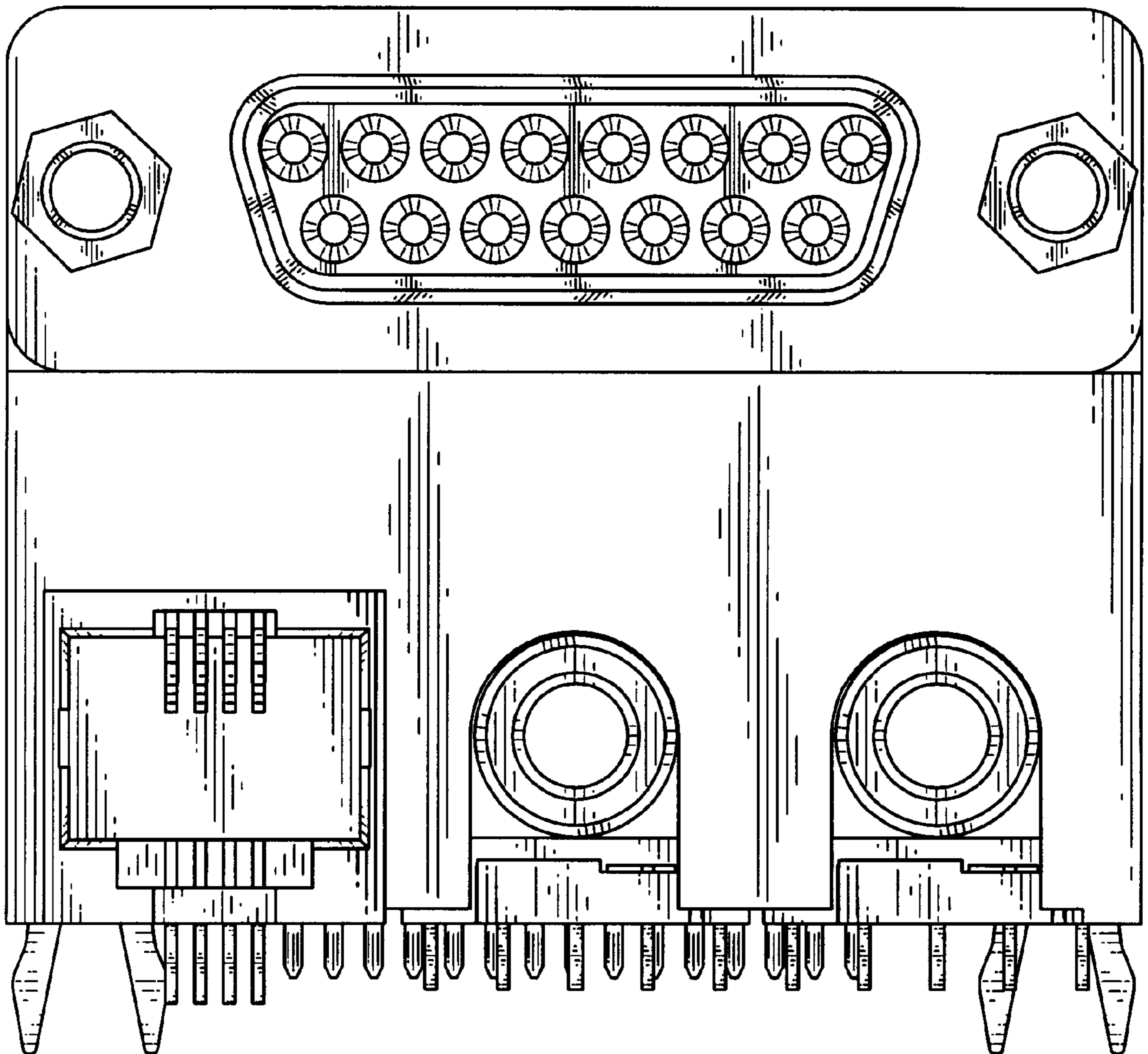


FIG. 2

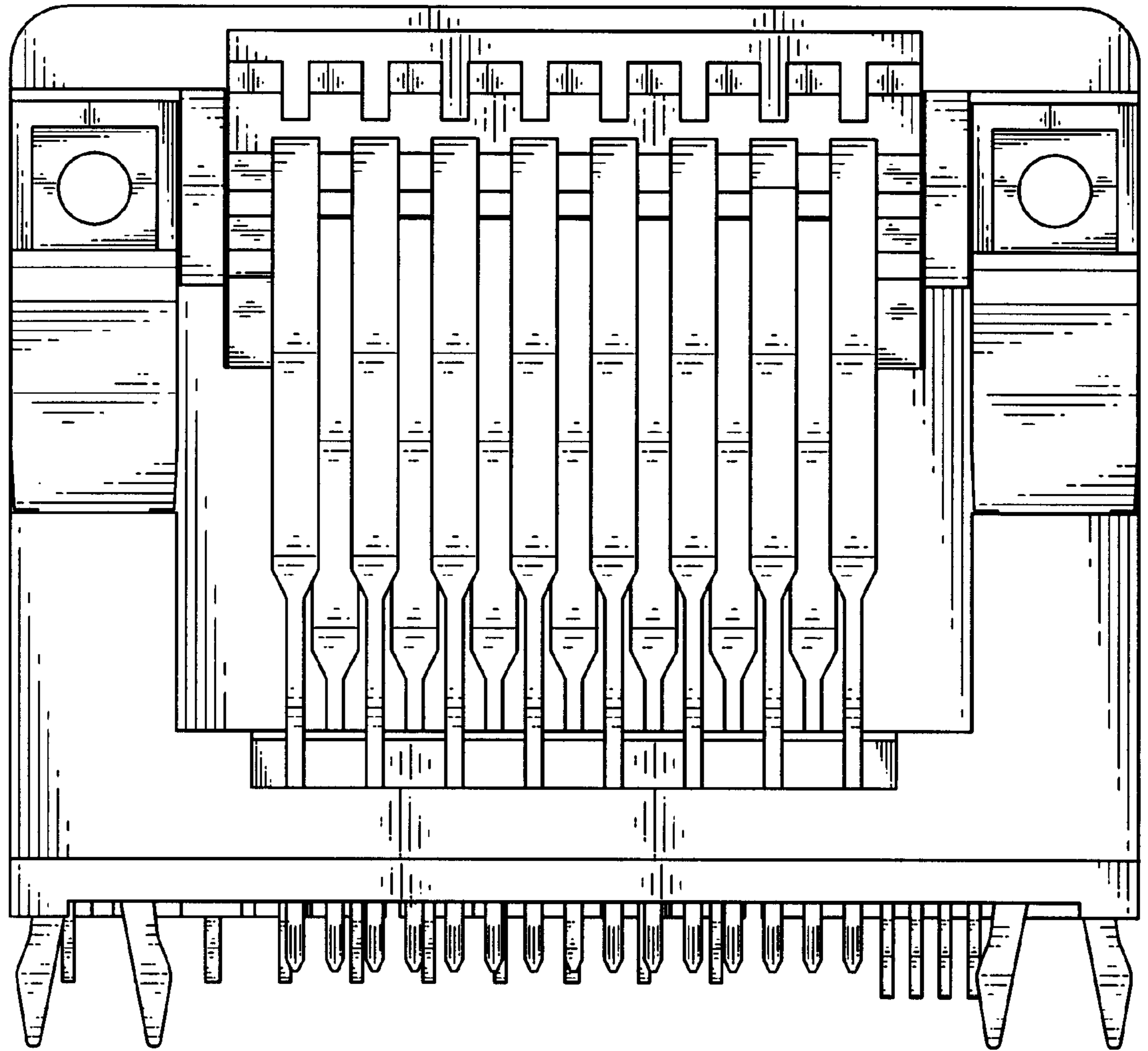


FIG. 3

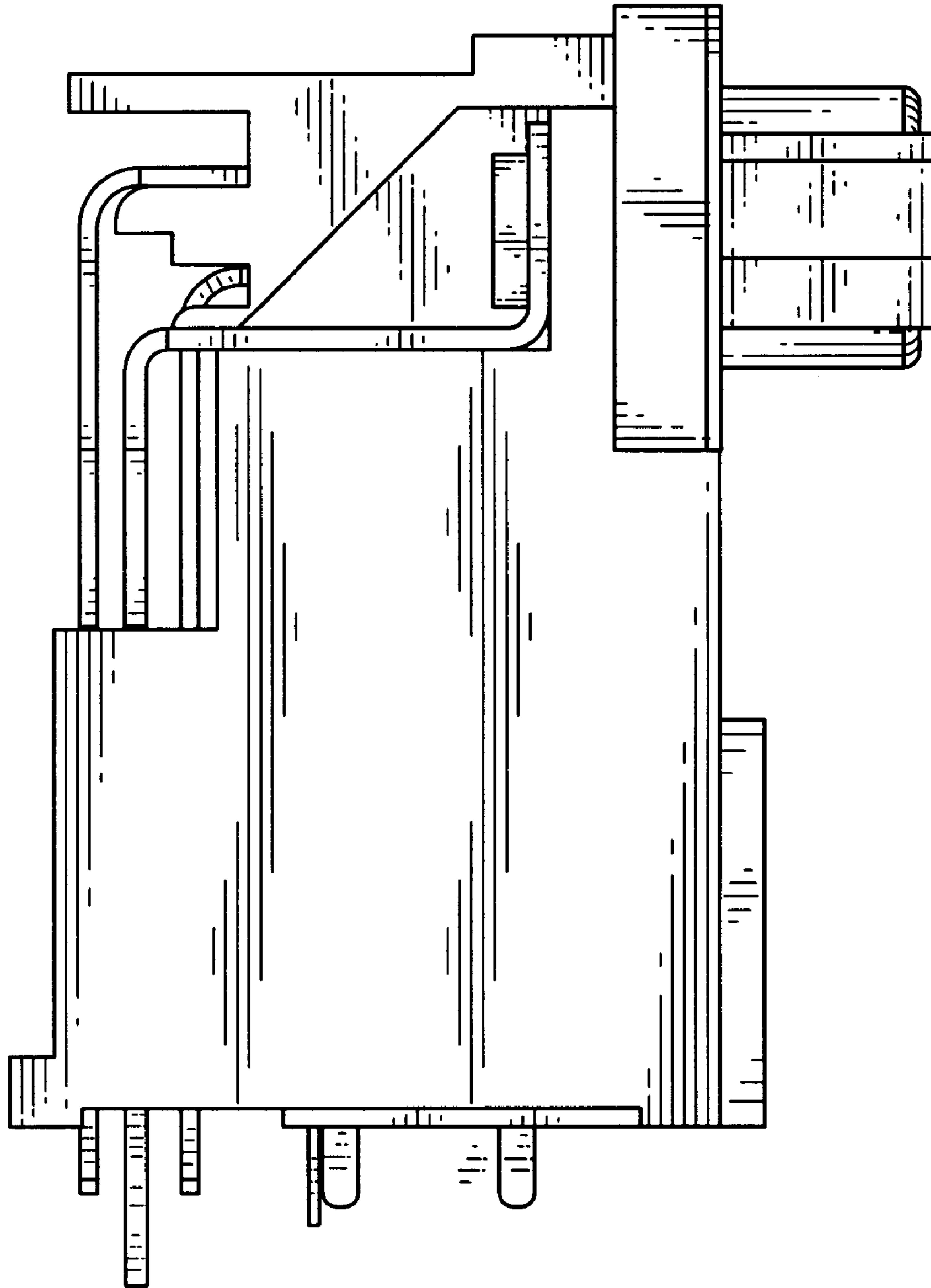


FIG. 4

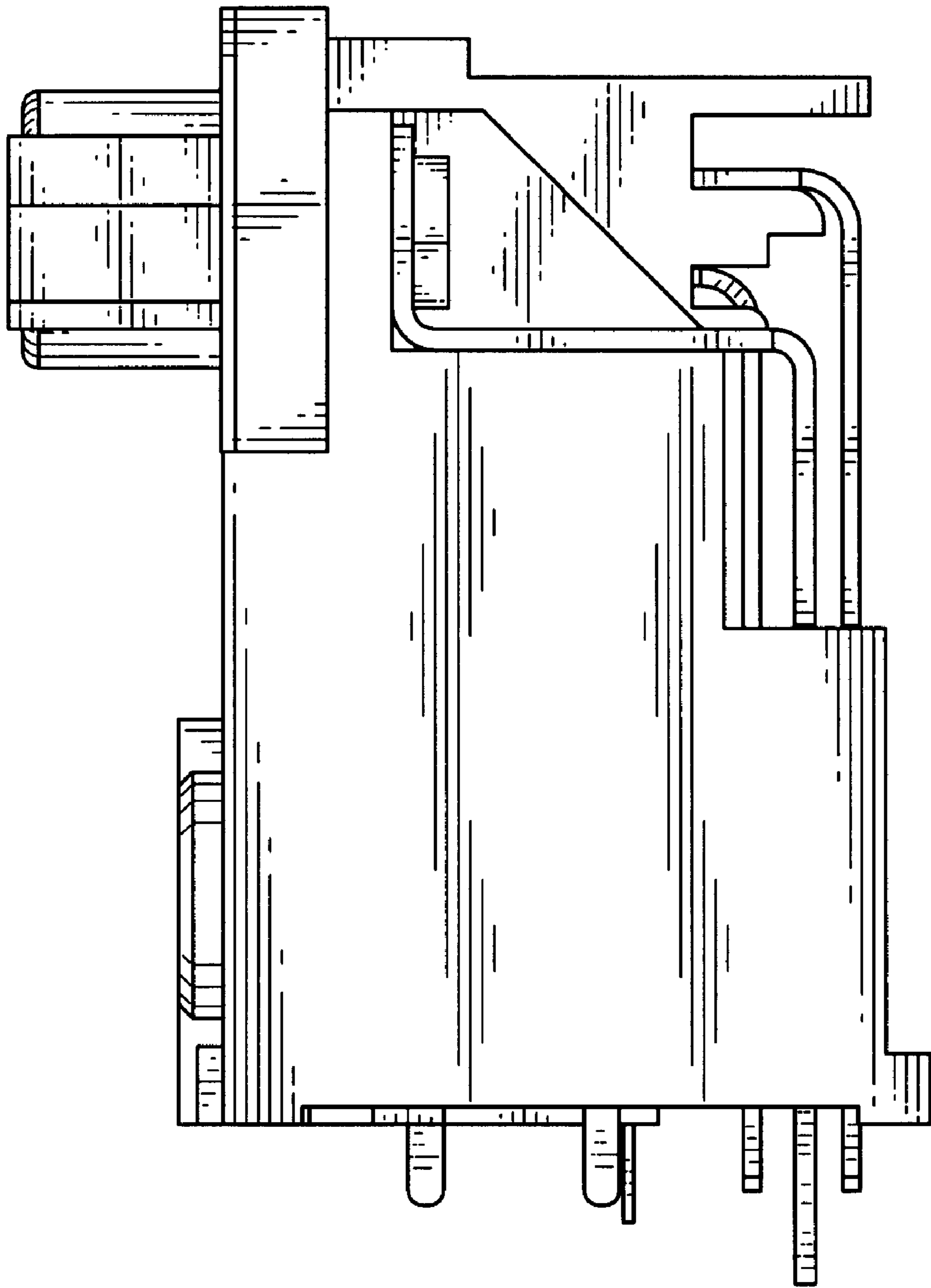


FIG. 5

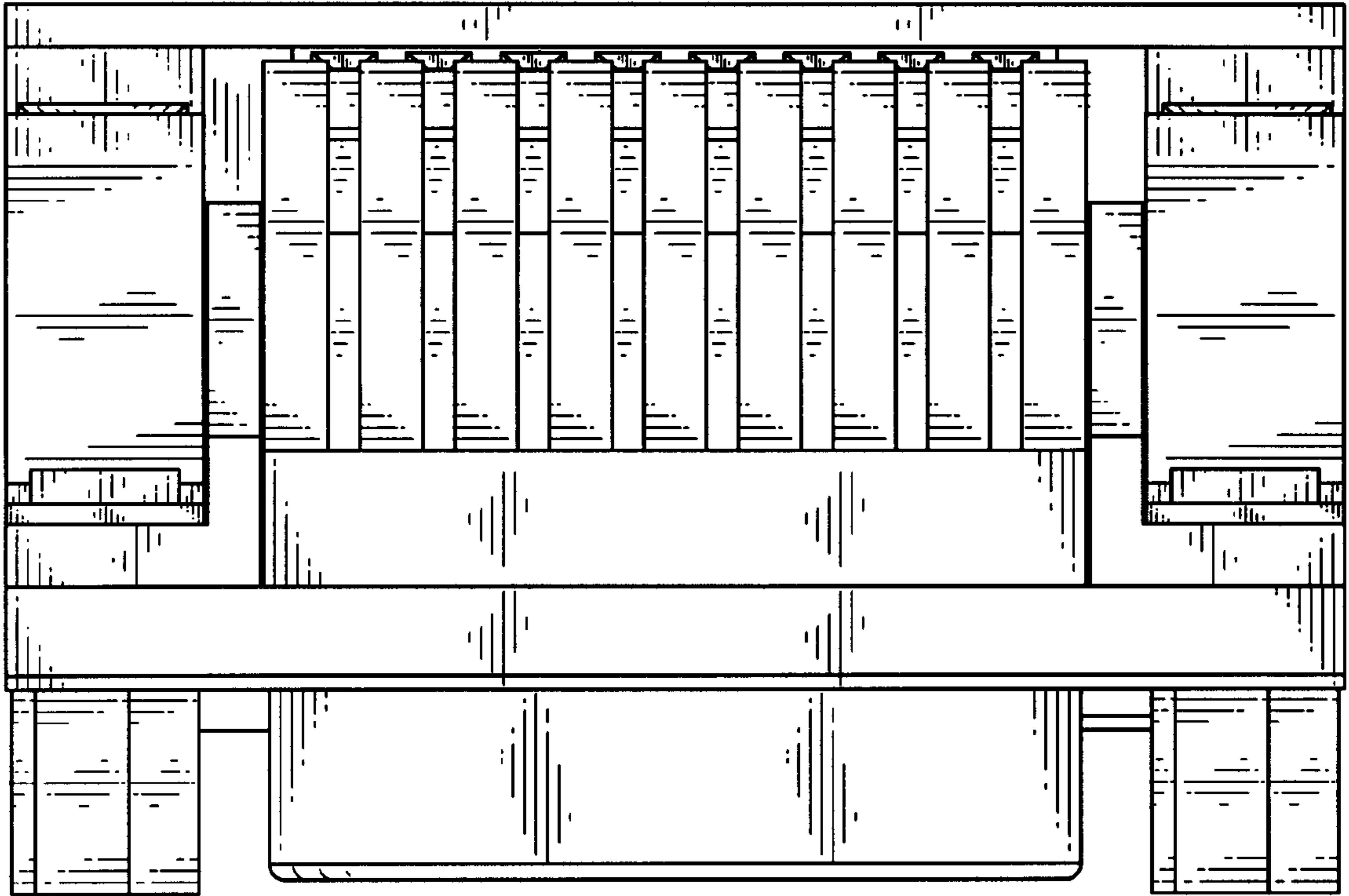


FIG. 6

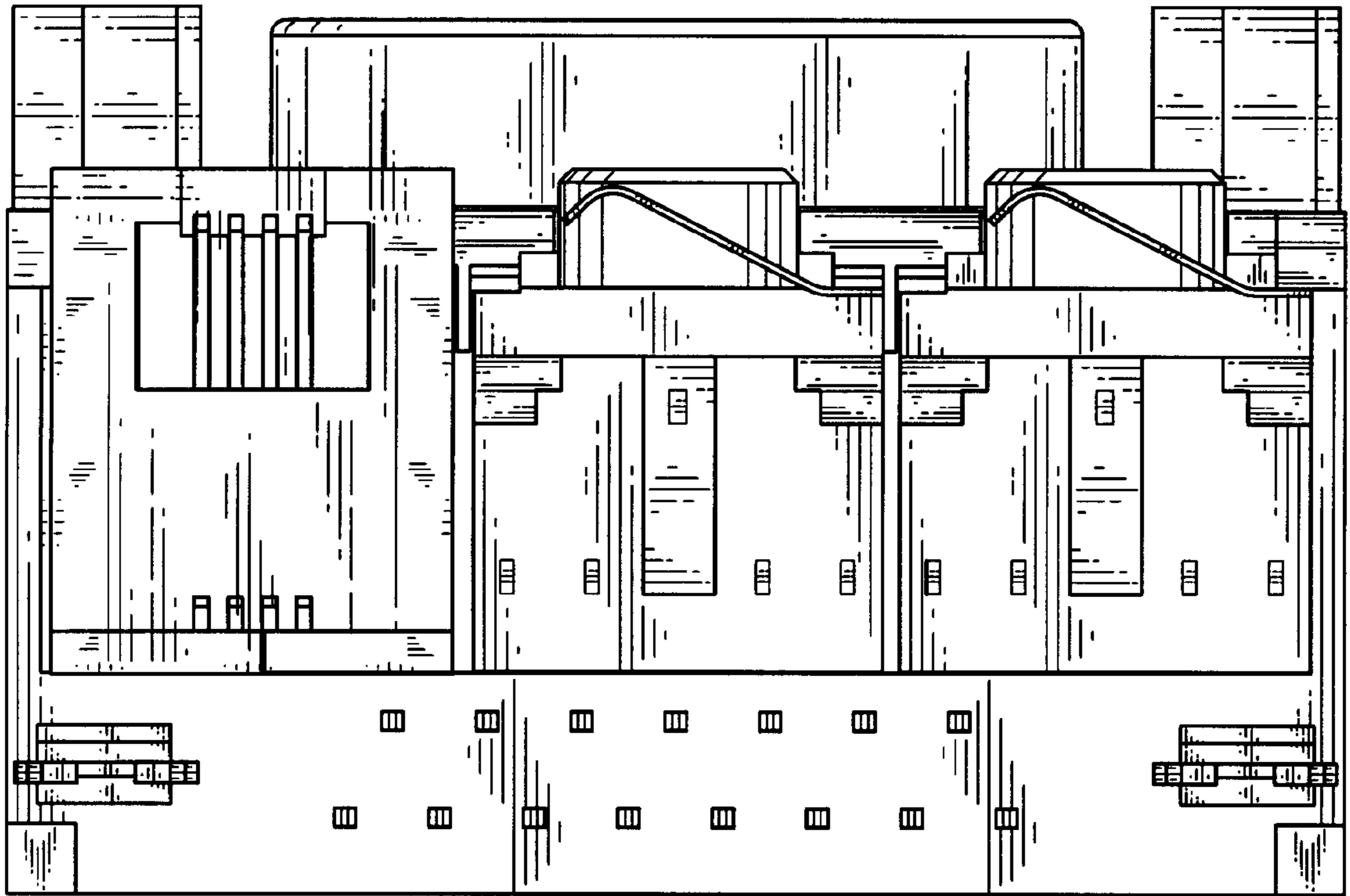


FIG. 7