



US00D482328S

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

(10) **Patent No.:** **US D482,328 S**

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

(54) **ELECTRICAL CONNECTOR**

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(73) Assignee: **Japan Aviation Electronics Industry,**
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(**) Term: **14 Years**

(21) Appl. No.: **29/171,398**

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(30) **Foreign Application Priority Data**

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

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

(58) **Field of Search** D13/147; 439/296,
439/345, 329, 422, 492, 395, 495, 499,
378, 160, 266, 476.1, 484, 940

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(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a front, top, and right side perspective view of an electrical connector;

FIG. 2 is a top view thereof;

FIG. 3 is a front view thereof;

FIG. 4 is a right side elevational view thereof;

FIG. 5 is a bottom view thereof;

FIG. 6 is a rear view thereof;

FIG. 7 is a perspective view showing the state in use thereof where the electrical connector is coupled with a wire harness;

FIG. 8 is an enlarged partial view thereof along the line A—A in FIG. 2;

FIG. 9 is an enlarged partial view thereof along the line B—B in FIG. 4;

FIG. 10 is an enlarged partial view thereof along the line C—C in FIG. 5;

FIG. 11 is an enlarged view of FIG. 3;

FIG. 12 is an enlarged view of FIG. 6;

FIG. 13A is an upside enlarged view of FIG. 2;

FIG. 13B is a downside enlarged view of FIG. 2;

FIG. 14A is a left side enlarged view of FIG. 4;

FIG. 14B is a right side enlarged view of FIG. 4;

FIG. 15A is an upside enlarged view of FIG. 5; and,

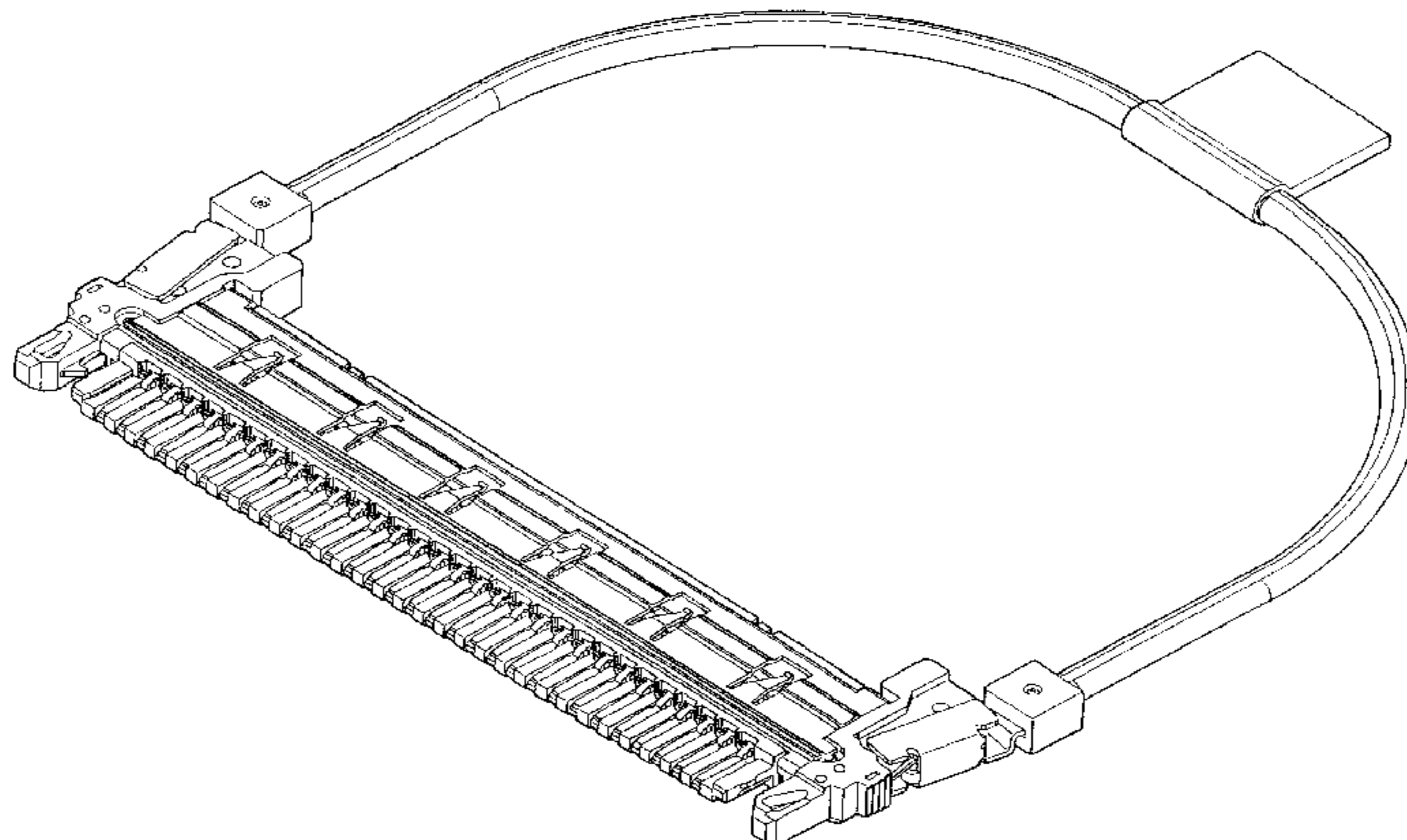
FIG. 15B is a downside enlarged view of FIG. 5.

A left side view of the electrical connector is omitted because it is presented symmetrical to the right side view of FIG. 4.

The broken lines showing the wire harness in FIG. 7 are included for the purpose of illustrating environmental structure only and form no part of the claimed design.

The claim is directed to the appearance of the connector as shown in FIGS. 1–7. Enlarged illustrations of only part of the connector are shown in FIGS. 8–15B for the purpose of revealing details of the design that might not be shown in the other views.

1 Claim, 18 Drawing Sheets



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FIG. 1

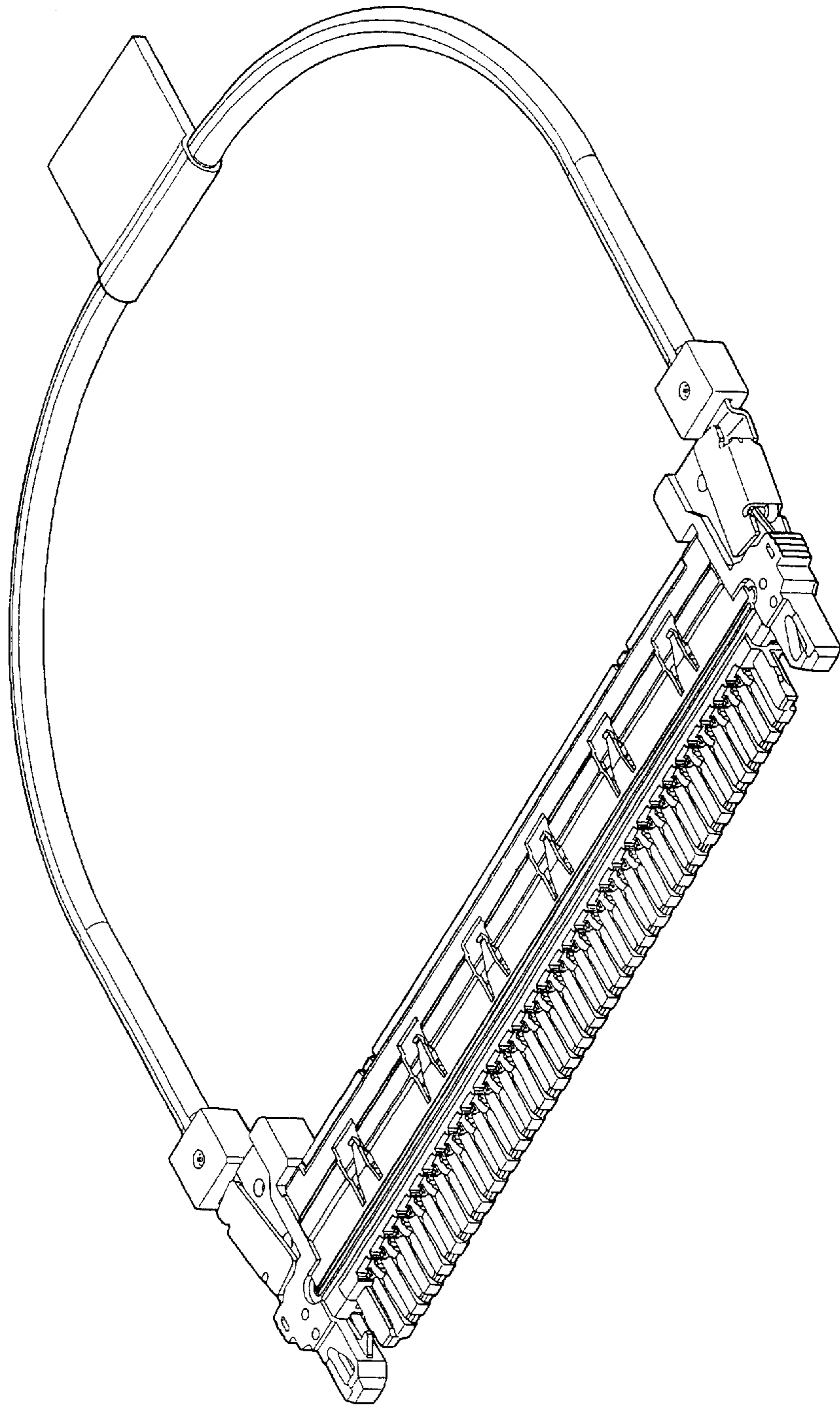


FIG. 2

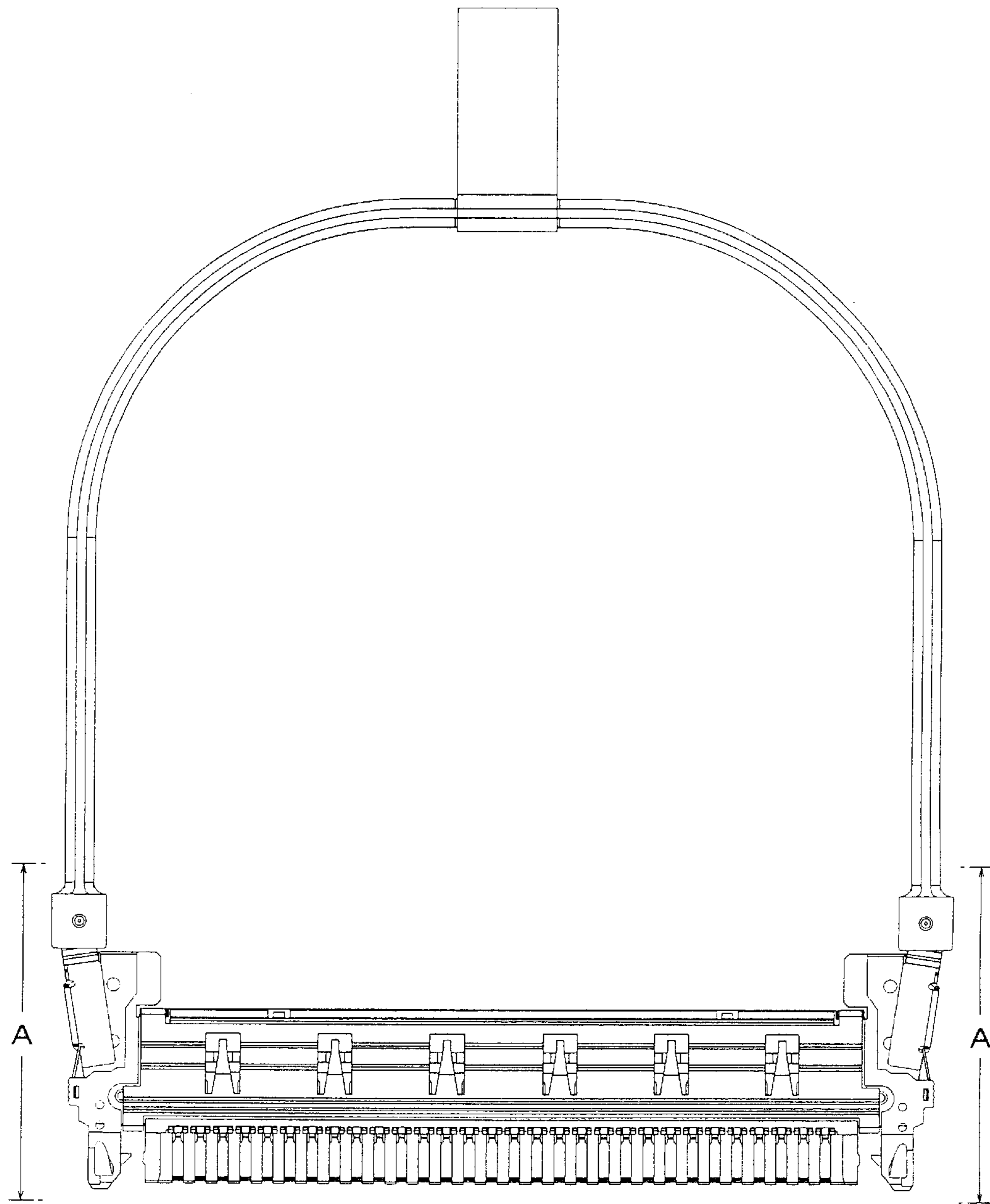


FIG. 3



FIG. 4

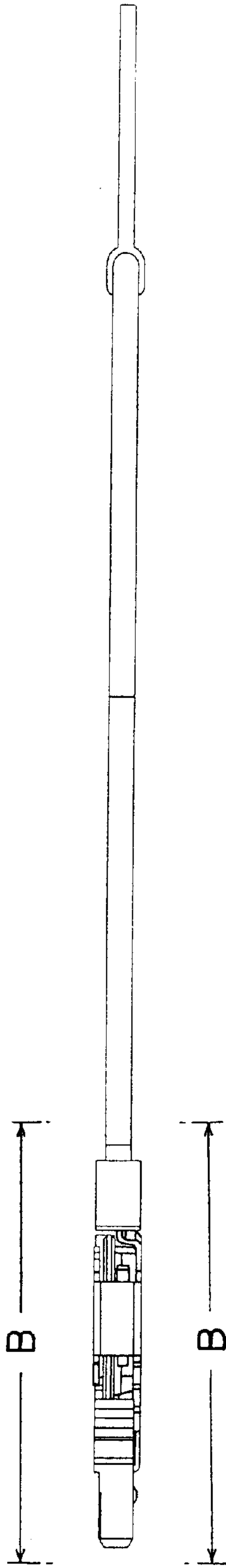


FIG. 5

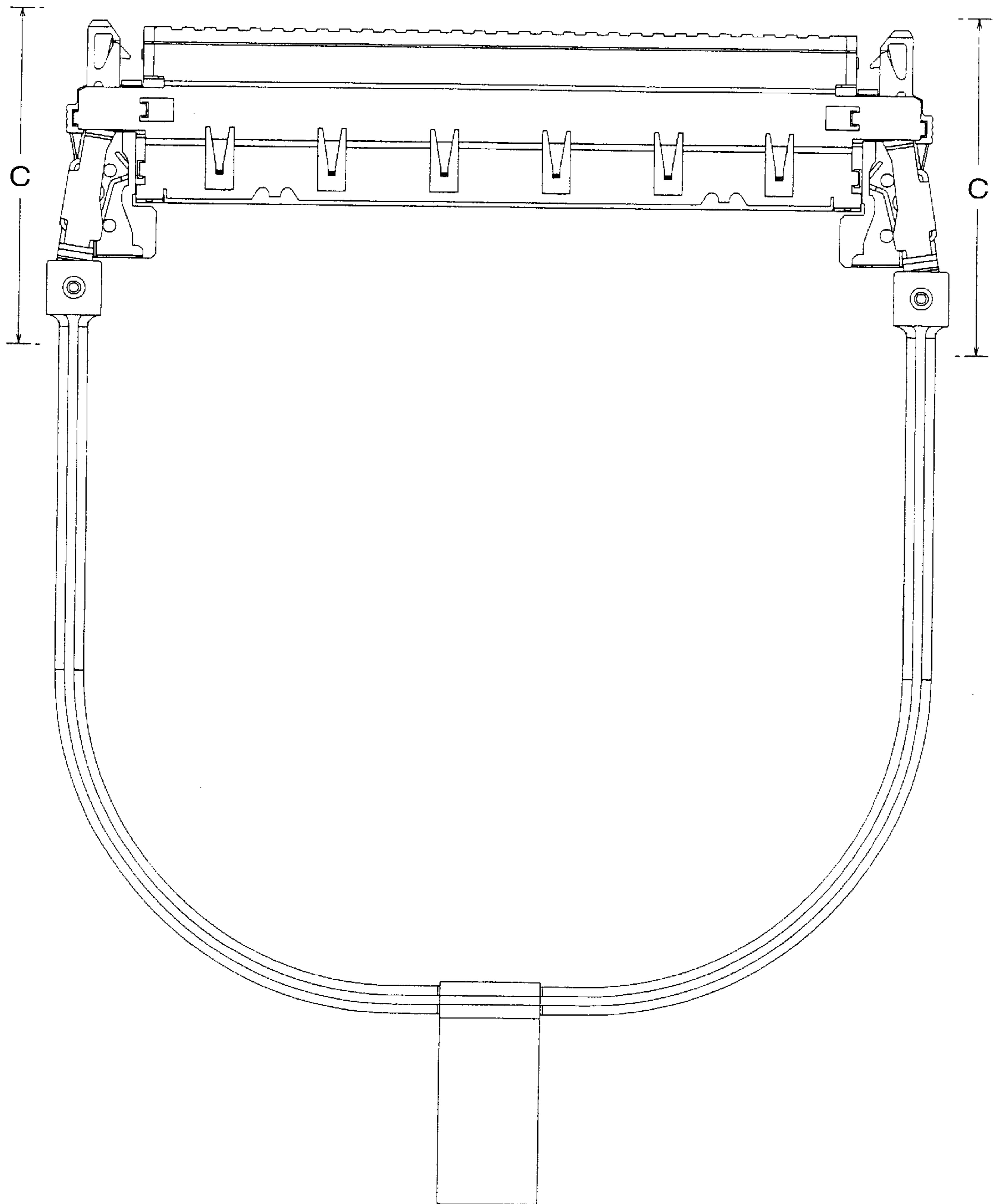


FIG. 6

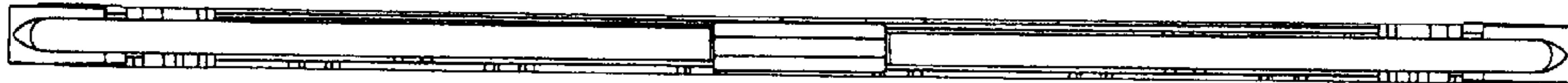
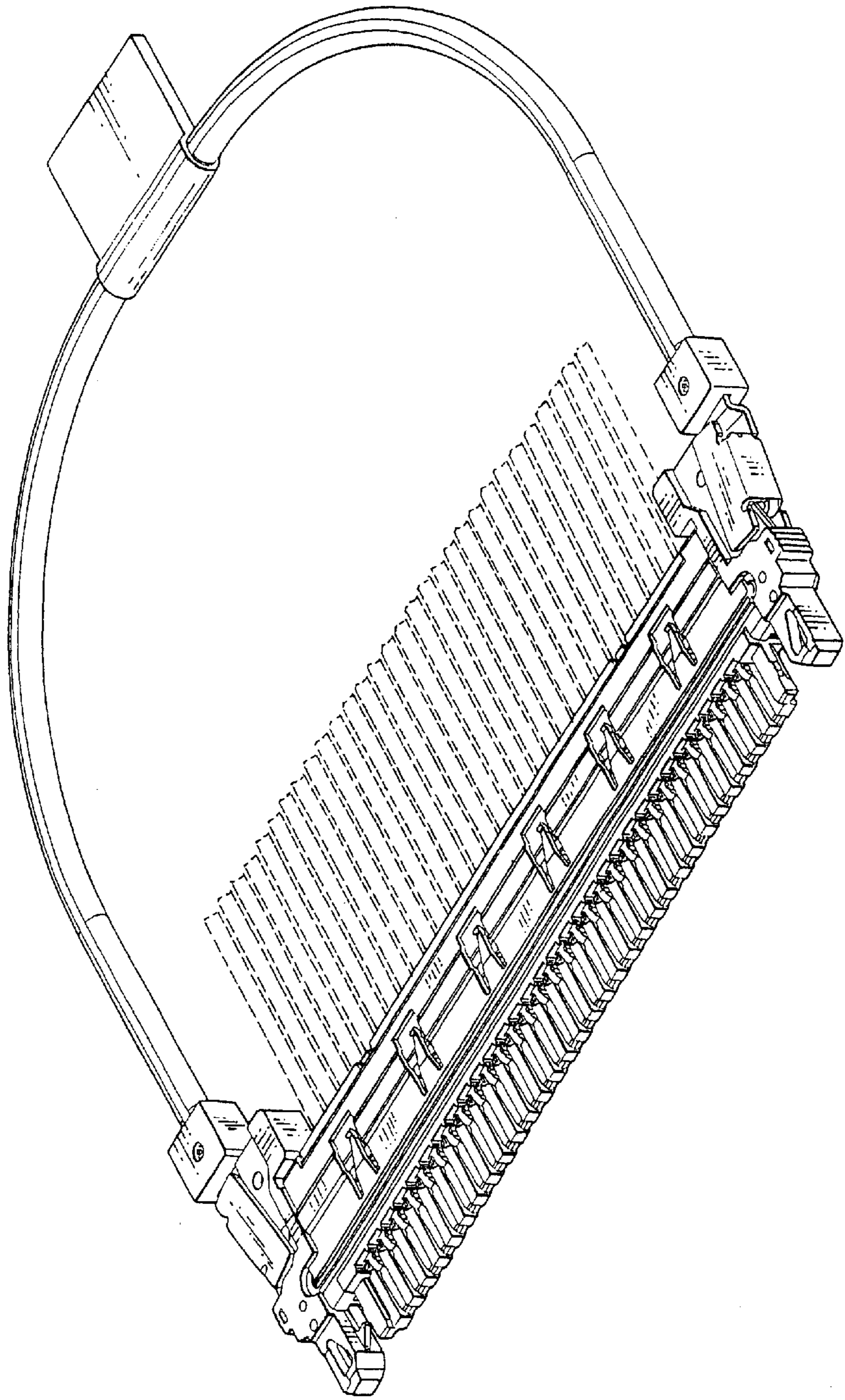


FIG. 7



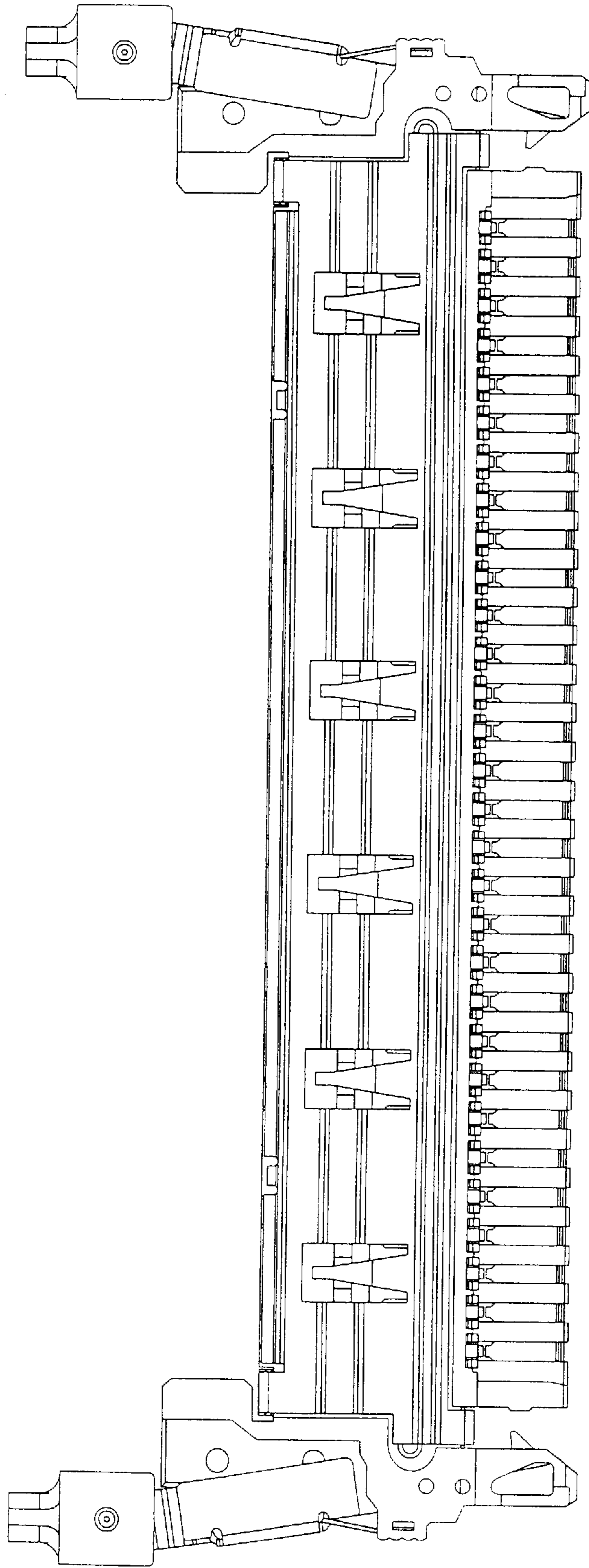


FIG. 8

FIG. 9

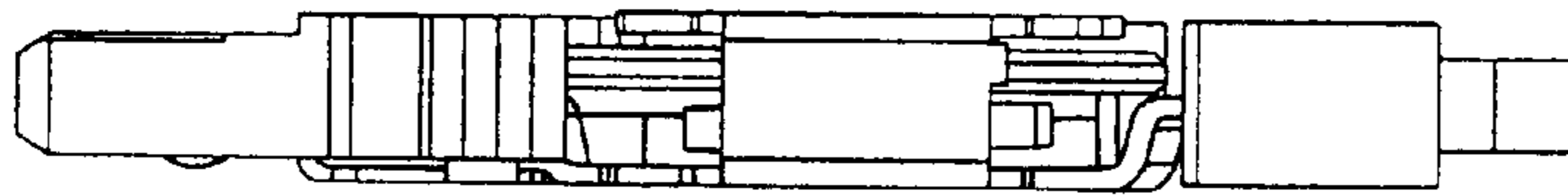


FIG. 10

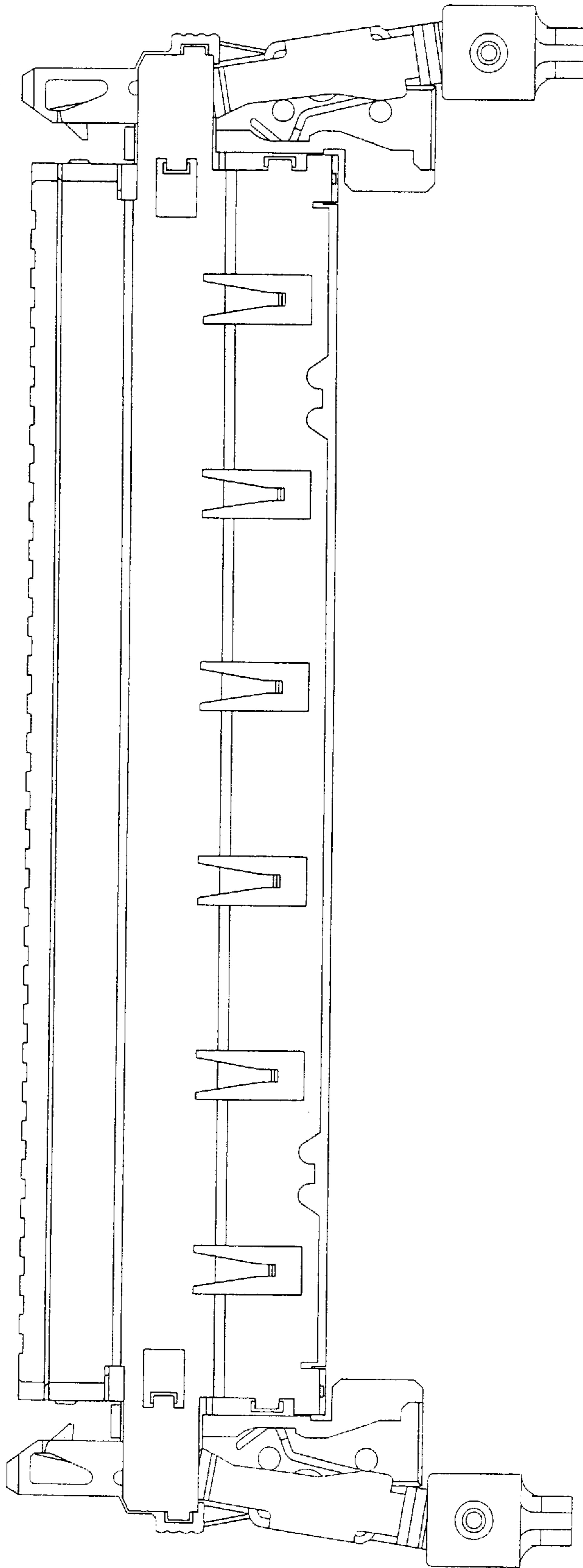


FIG. 11

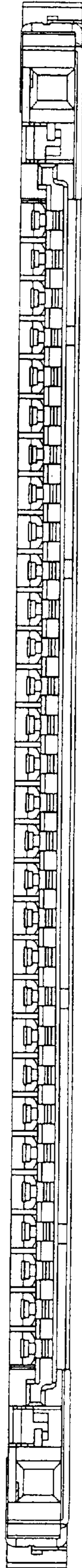


FIG. 12

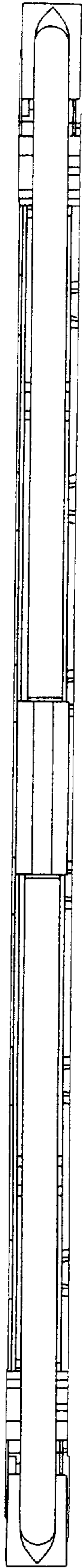


FIG. 13A

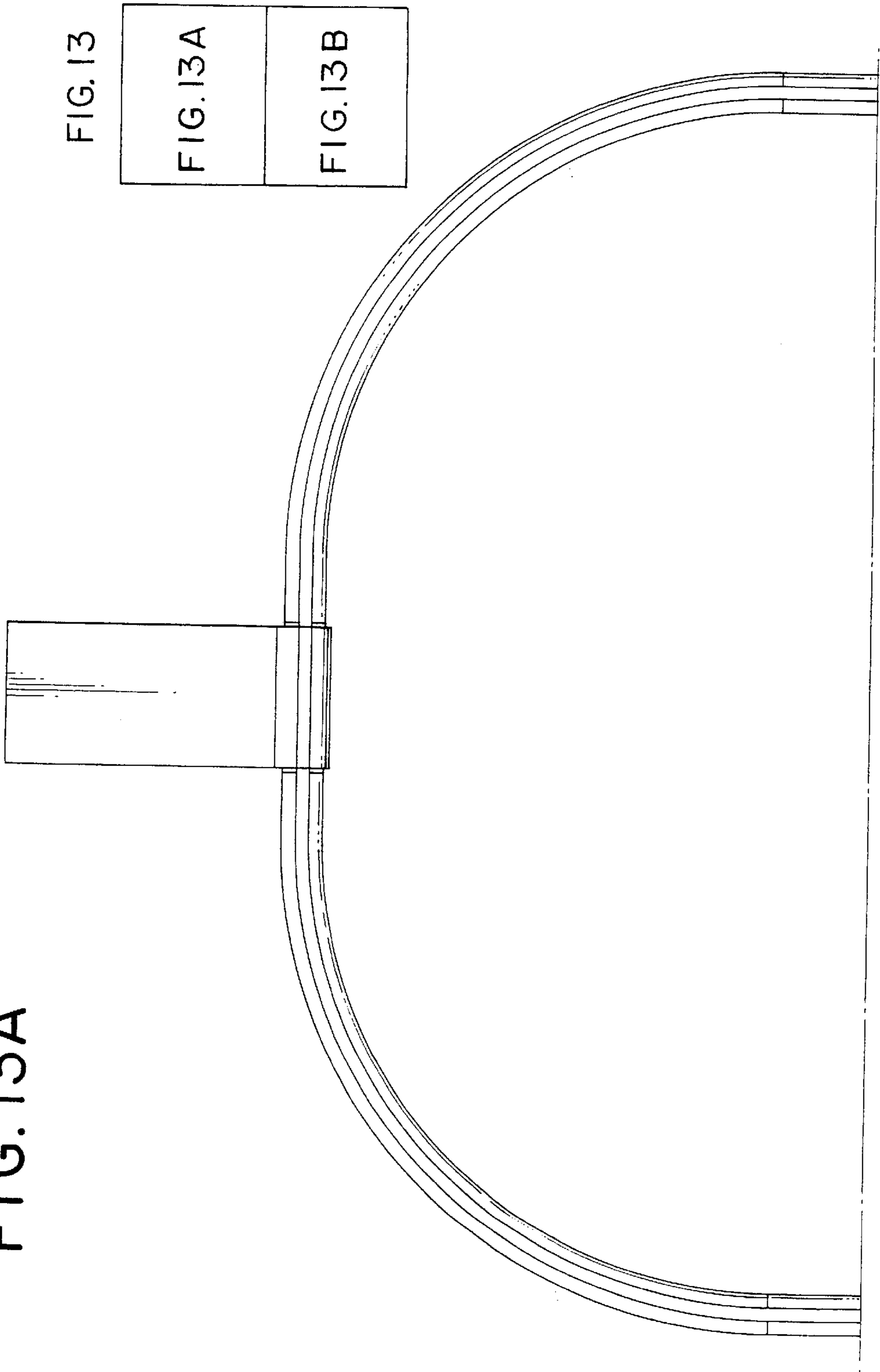


FIG. 13

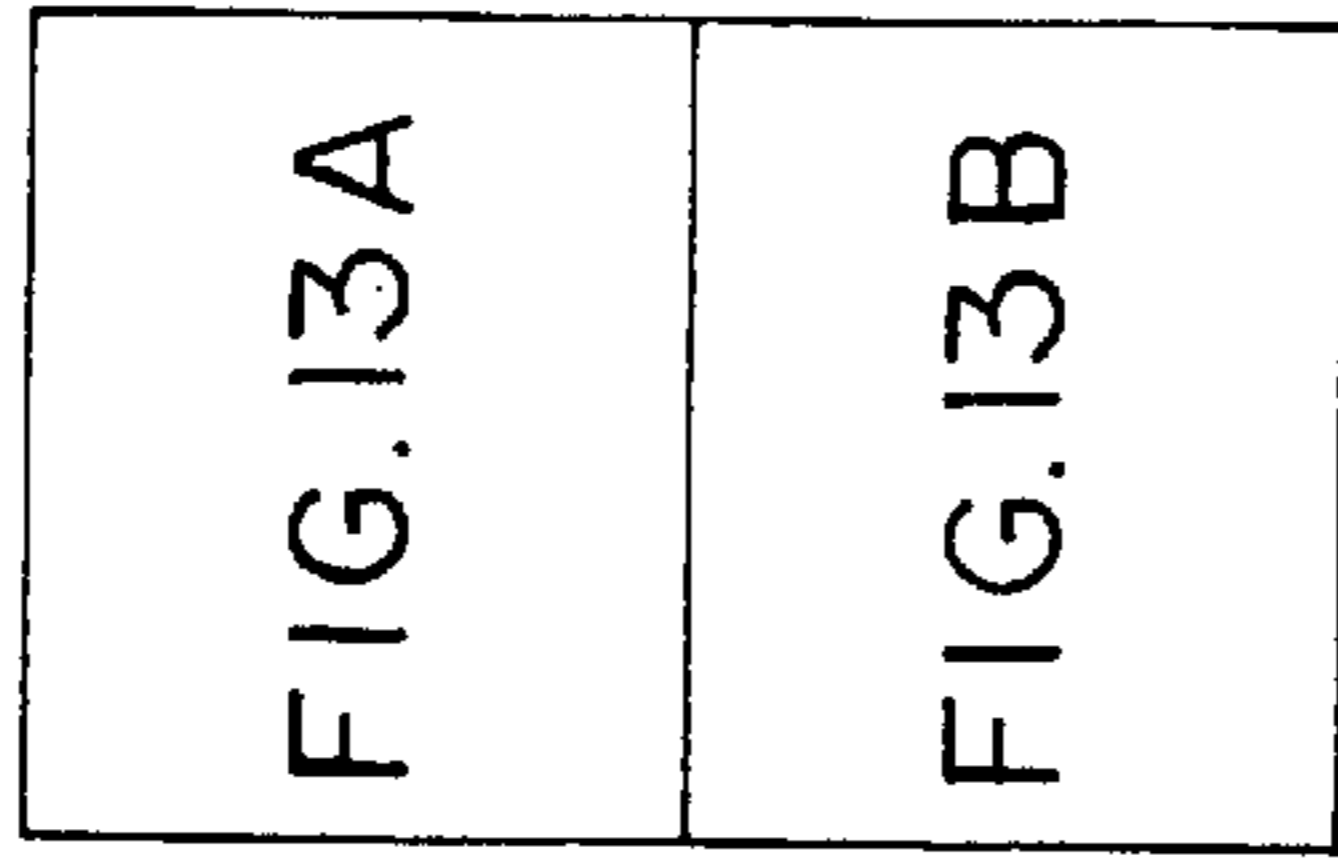


FIG. 13B

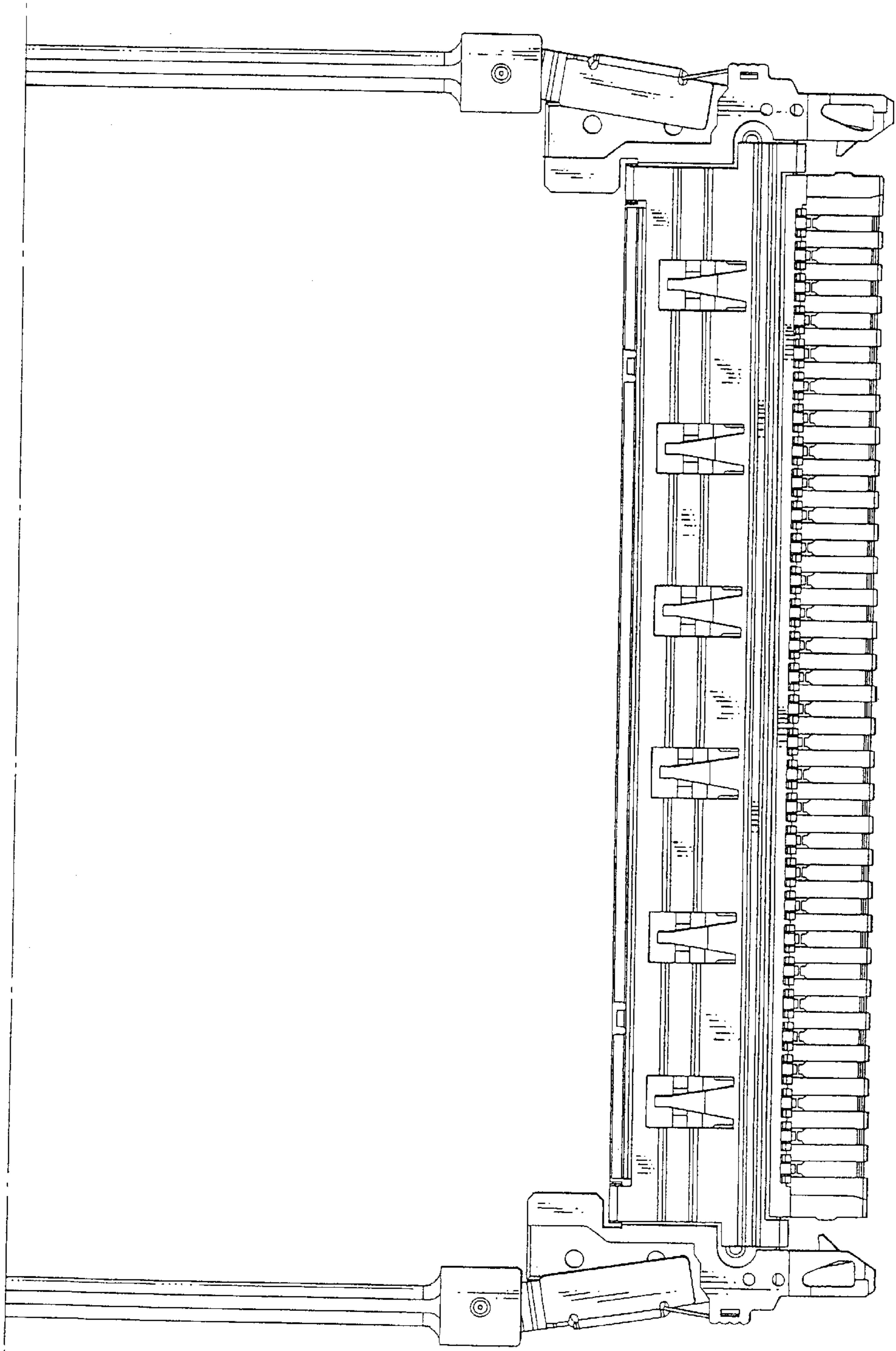


FIG.14A

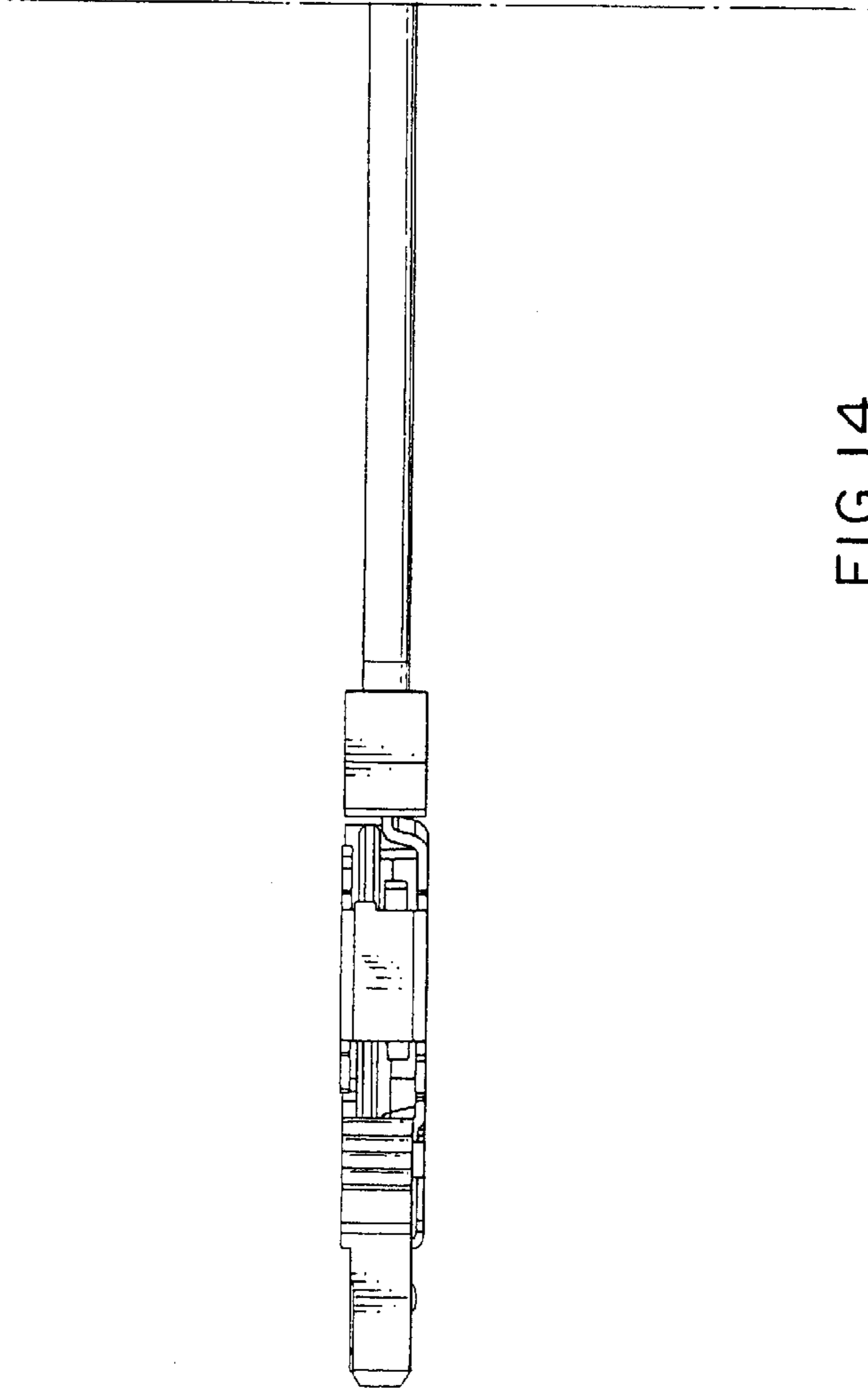


FIG.14

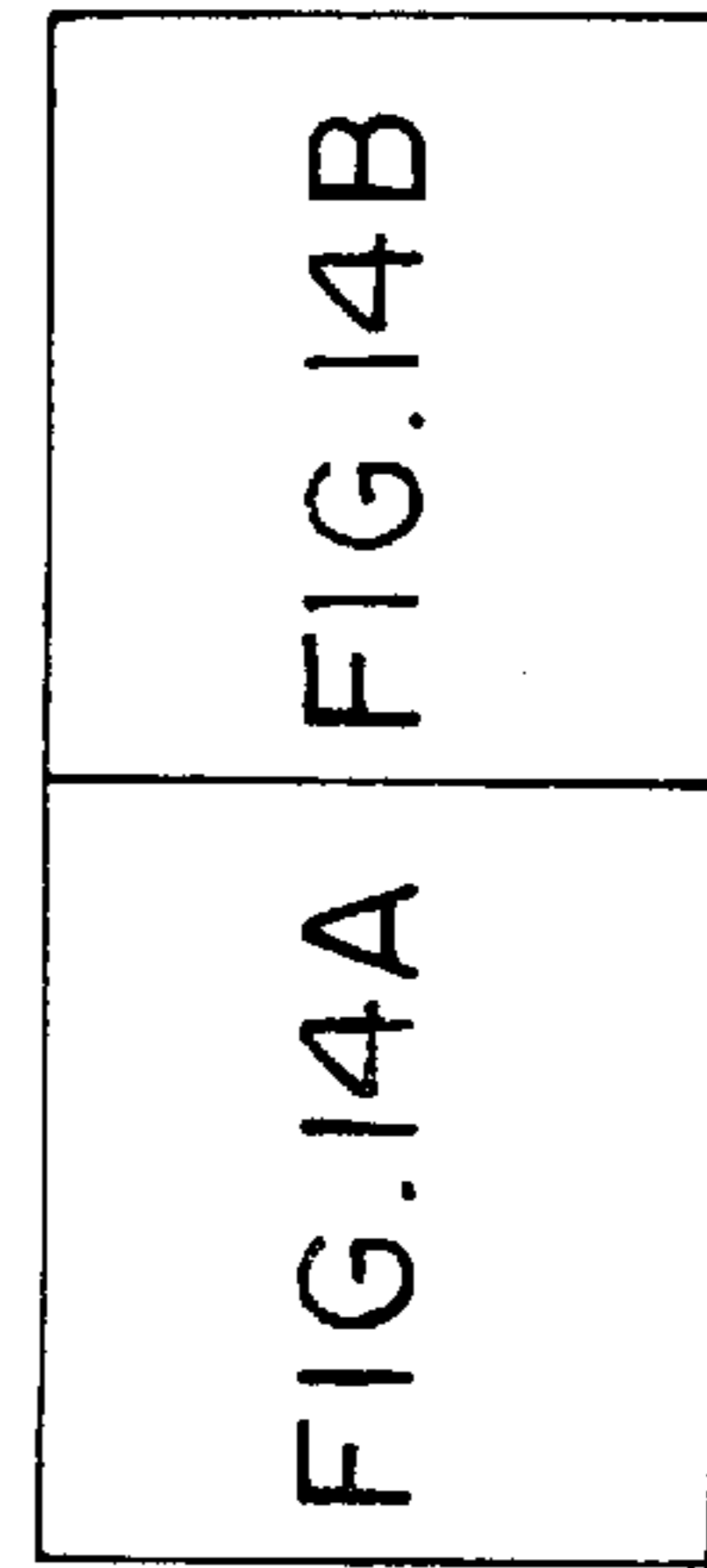


FIG. 14B

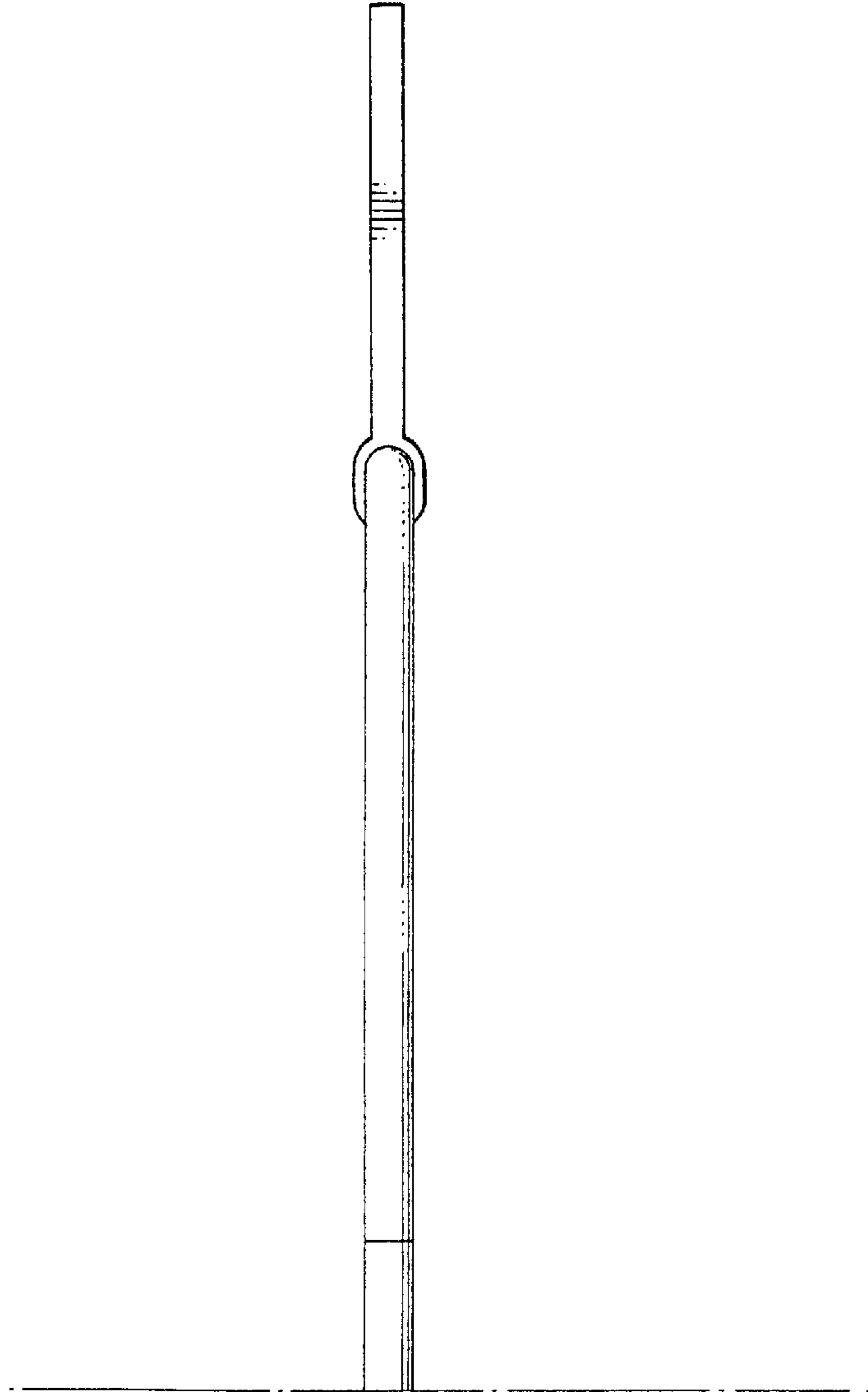


FIG. 15A

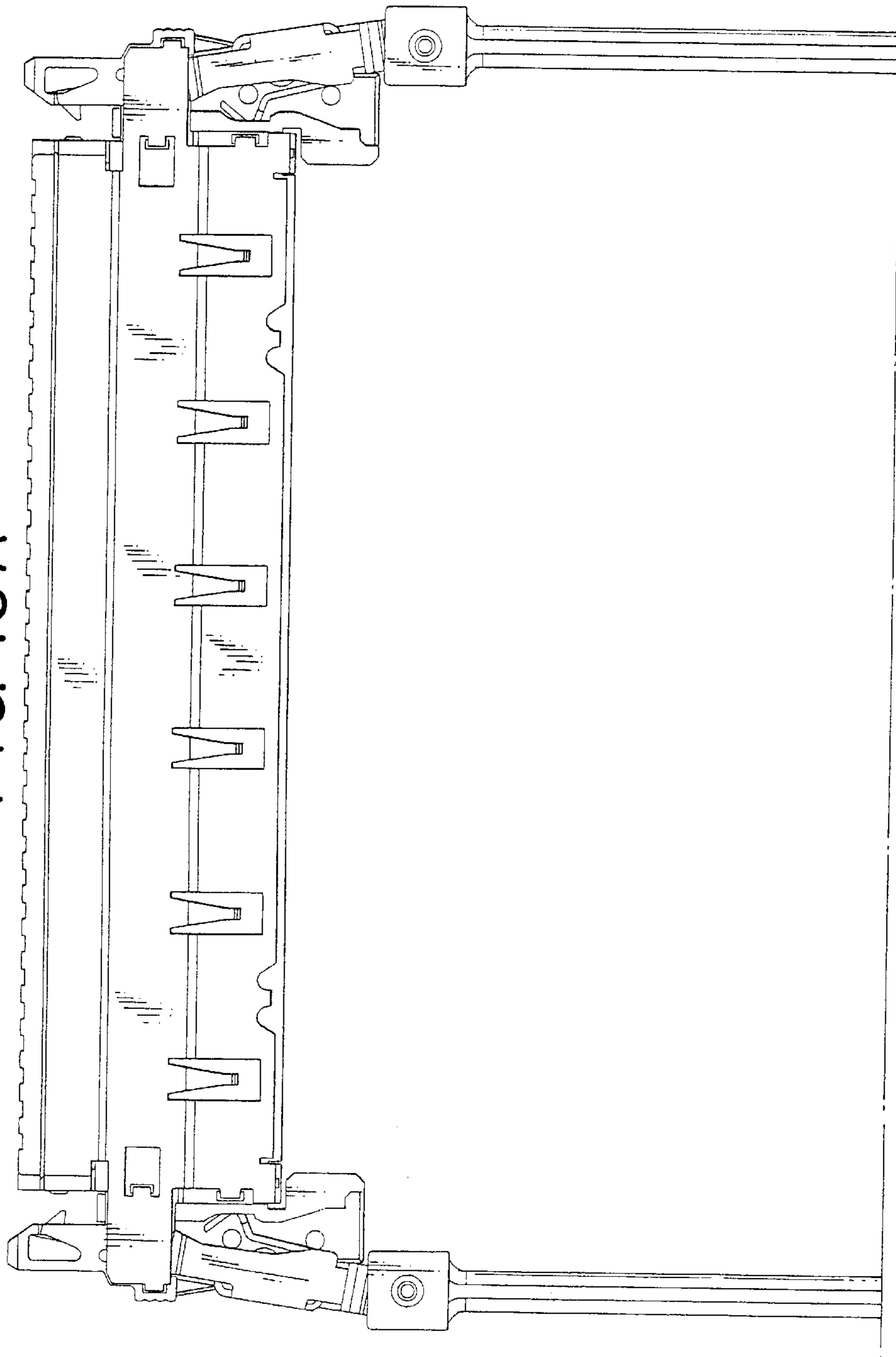


FIG. 15B

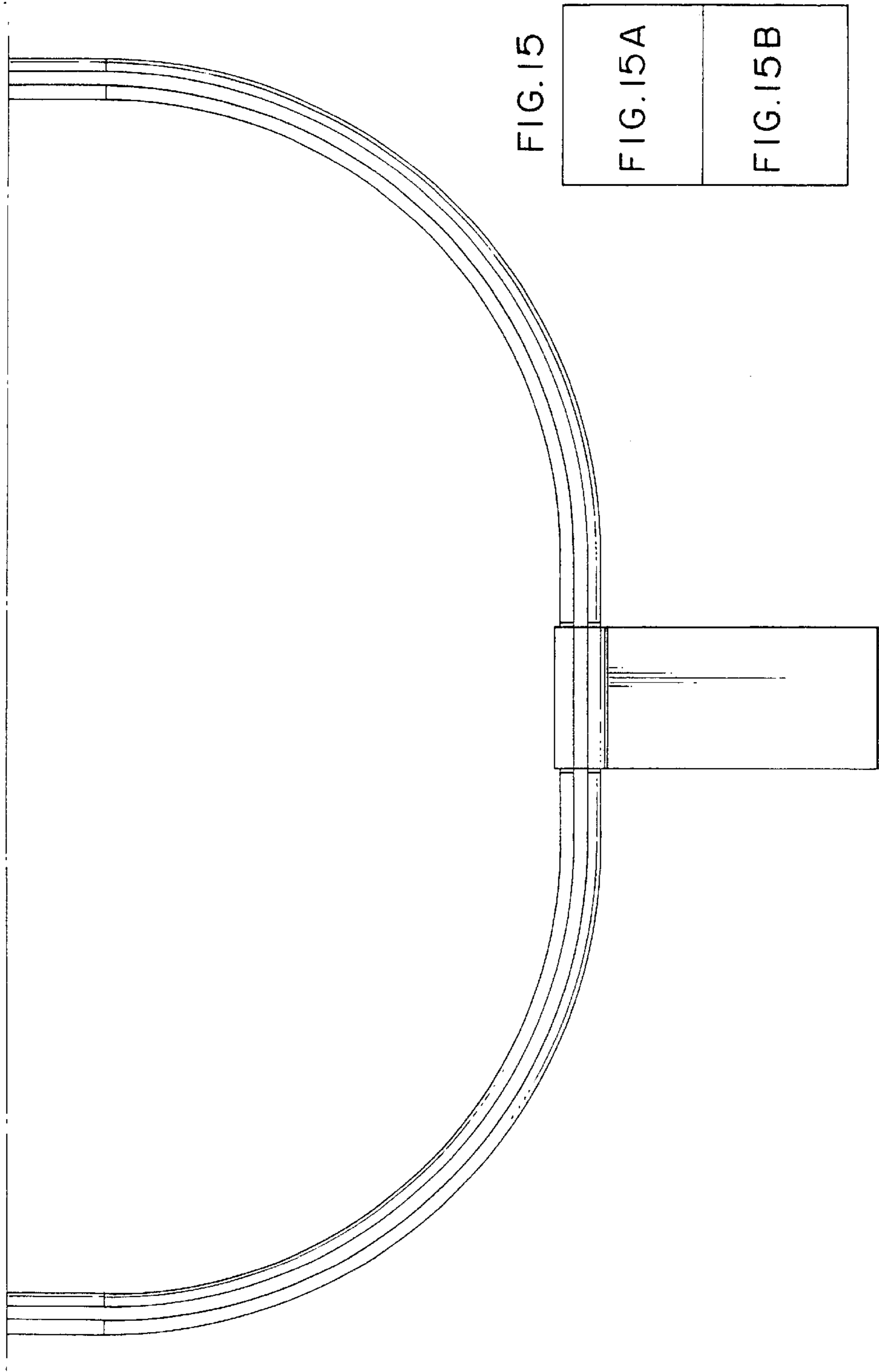


FIG. 15

FIG. 15A

FIG. 15B