

[54] ELECTRICAL CONNECTORS

- [75] Inventor: Shigeru Kikuta, Tokyo, Japan
[73] Assignee: Hirose Electric Co., Ltd., Tokyo, Japan
[**] Term: 14 Years
[21] Appl. No.: 852,923
[22] Filed: Apr. 16, 1986

[30] Foreign Application Priority Data

- Dec. 17, 1985 [JP] Japan 60-52417
Dec. 17, 1985 [JP] Japan 60-52419
[52] U.S. Cl. D13/24; D13/28
[58] Field of Search D13/24-31,
D13/40; 439/350, 354, 269, 270, 661, 662, 668,
669, 692-695, 677, 679, 694, 395, 396, 359, 92,
135

[56] References Cited

U.S. PATENT DOCUMENTS

- D. 225,857 1/1973 Kourimsky D13/24
3,170,749 2/1965 Johanson et al. 439/465
4,002,389 1/1977 Mammel 439/350
4,456,319 6/1984 Poulain Ricros 439/359

FOREIGN PATENT DOCUMENTS

- 3123825 1/1983 Fed. Rep. of Germany 439/269
3209076 9/1983 Fed. Rep. of Germany 439/135

OTHER PUBLICATIONS

Electrical World, May 1987, p. ET7, Westinghouse EMF-2000 modules.

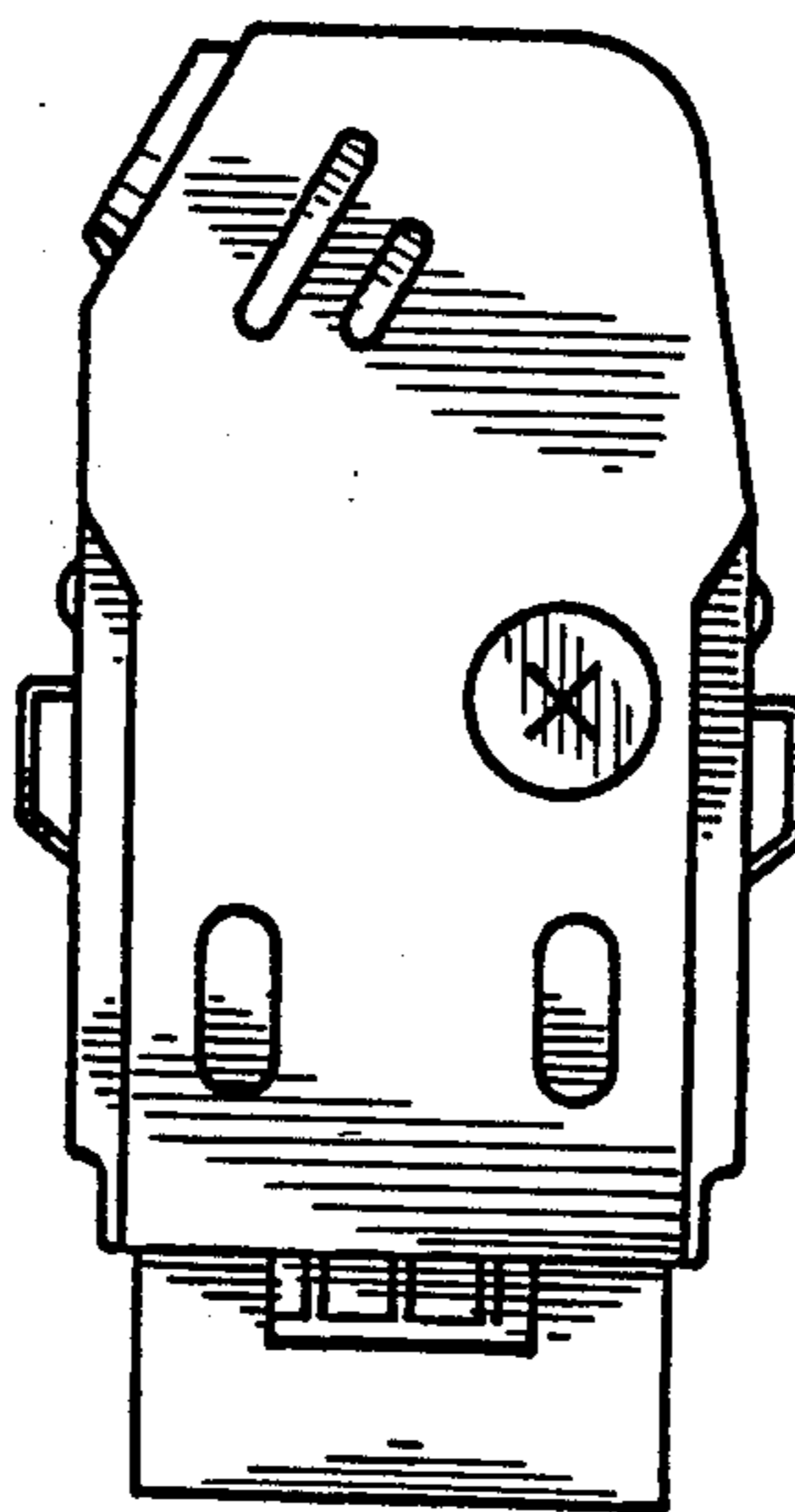
Primary Examiner—Bruce W. Dunkins
Assistant Examiner—Clare E. Heflin
Attorney, Agent, or Firm—Takeuchi Patent Office

[57] CLAIM

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

DESCRIPTION

FIG. 1 is a front elevational view of an electrical connector showing a first embodiment of my new design; FIG. 2 is a top plan view thereof; FIG. 3 is a bottom plan view thereof; FIG. 4 is a left side elevational view thereof; FIG. 5 is a right side elevational view thereof; FIG. 6 is a rear elevational view thereof; FIG. 7 is a cross-sectional view thereof taken along the line 7—7 in FIG. 6; FIG. 8 is a front elevational view of an electrical connector showing a second embodiment of my new design; FIG. 9 is a top plan view thereof; FIG. 10 is a bottom plan view thereof; FIG. 11 is a left side elevational view thereof; FIG. 12 is a right side elevational view thereof; FIG. 13 is a rear elevational view thereof; FIG. 14 is a cross-sectional view thereof taken along the line 14—14 in FIG. 13.



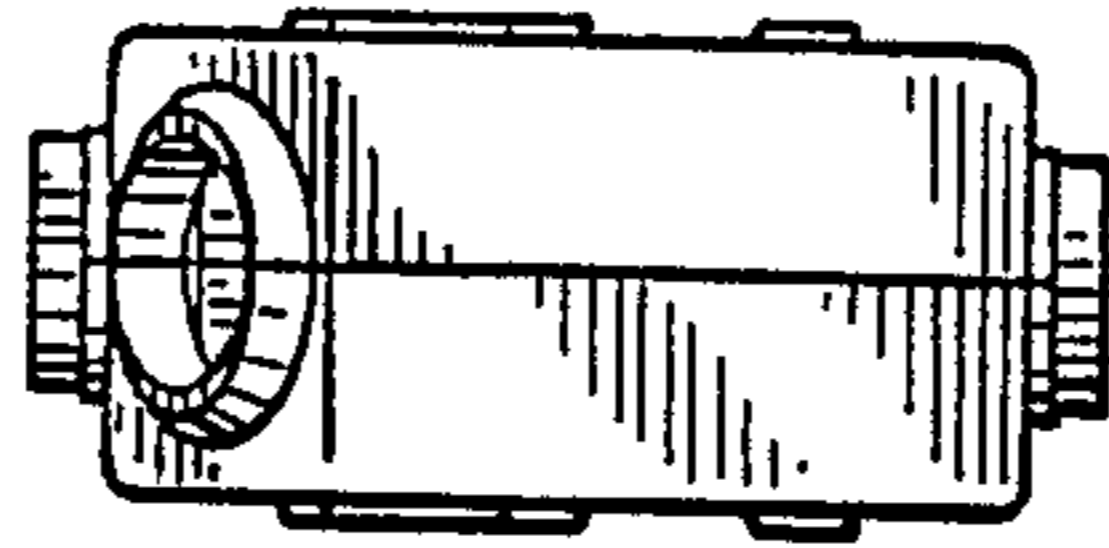


Fig. 2

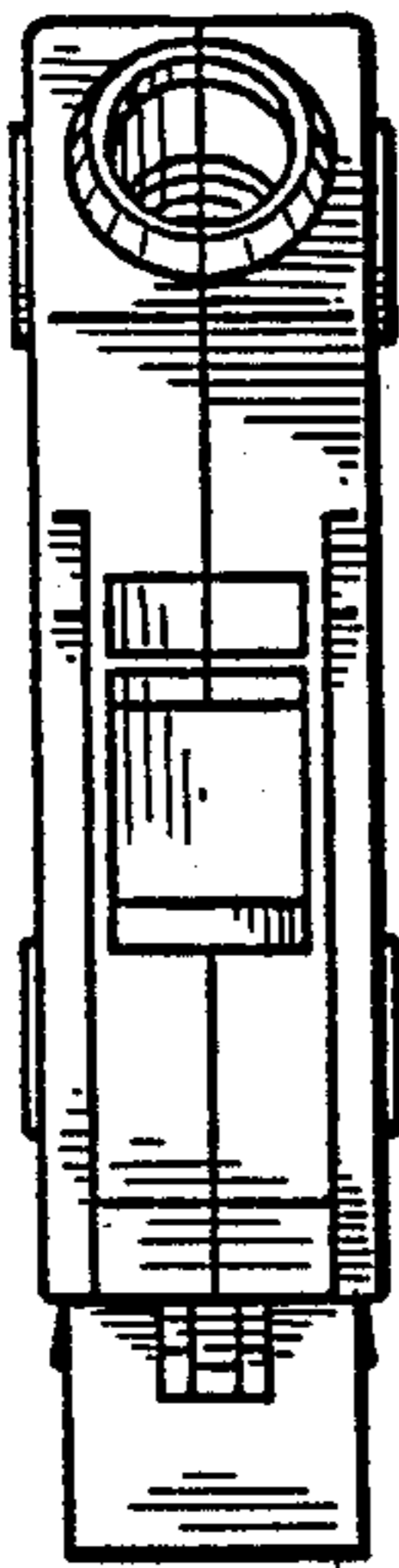


Fig. 4

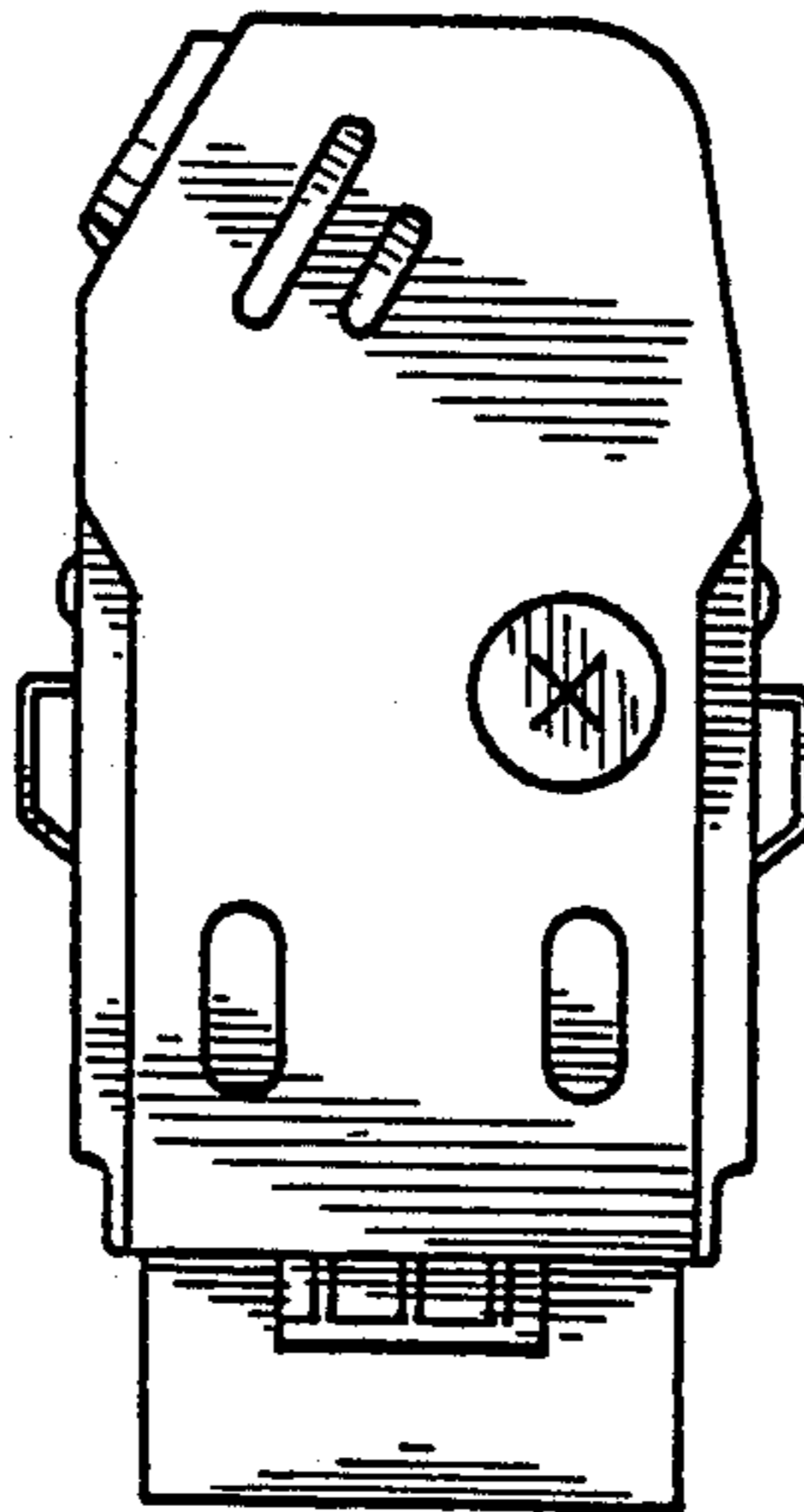


Fig. 1

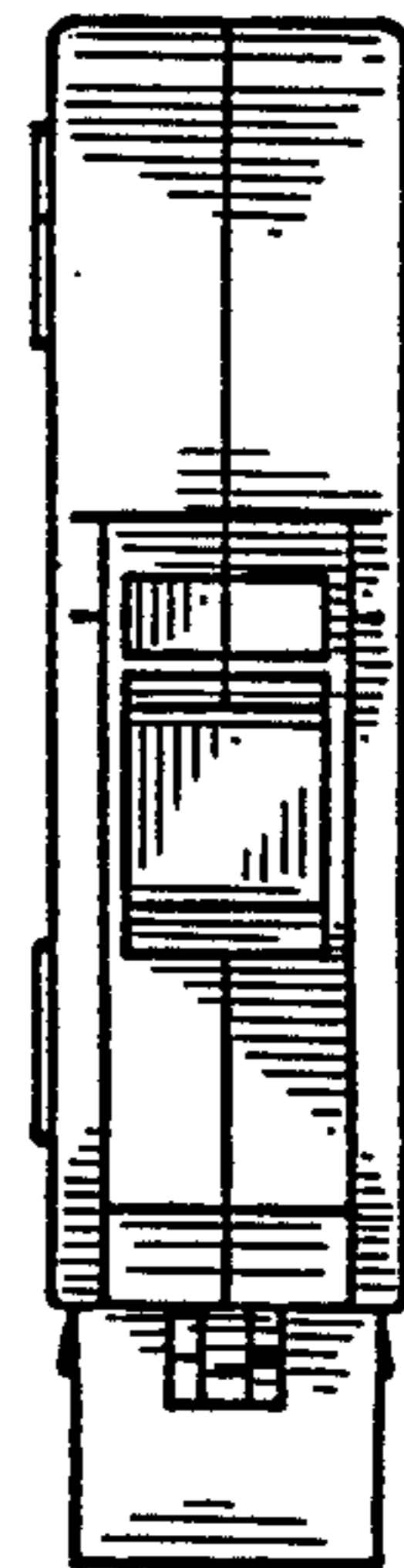


Fig. 5

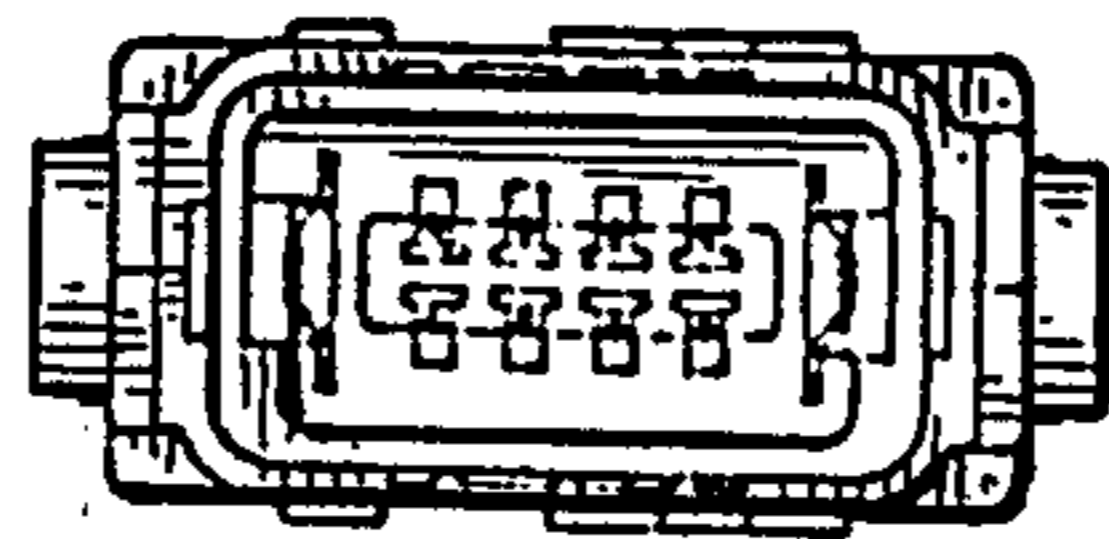


Fig. 3

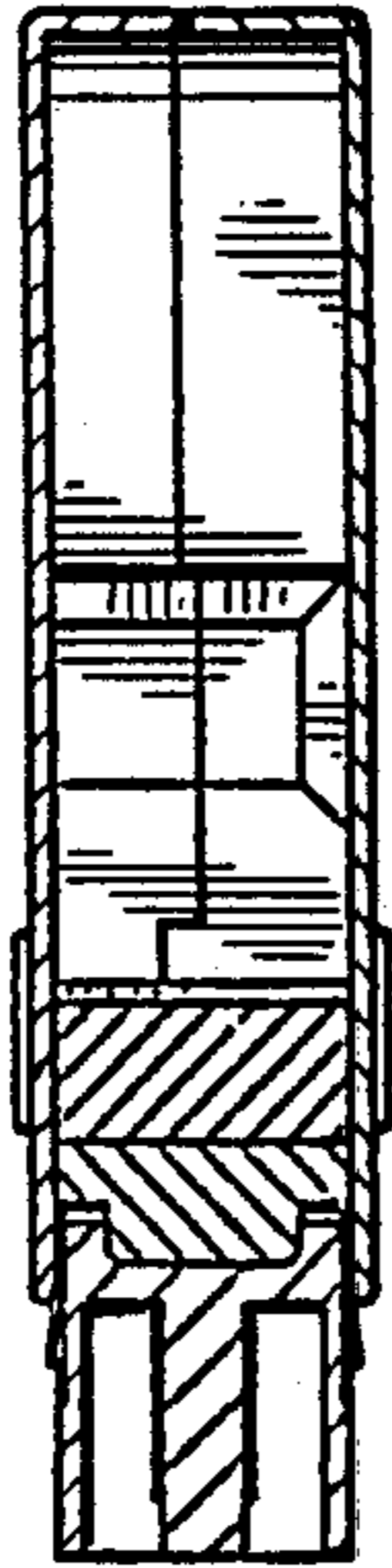


Fig. 7

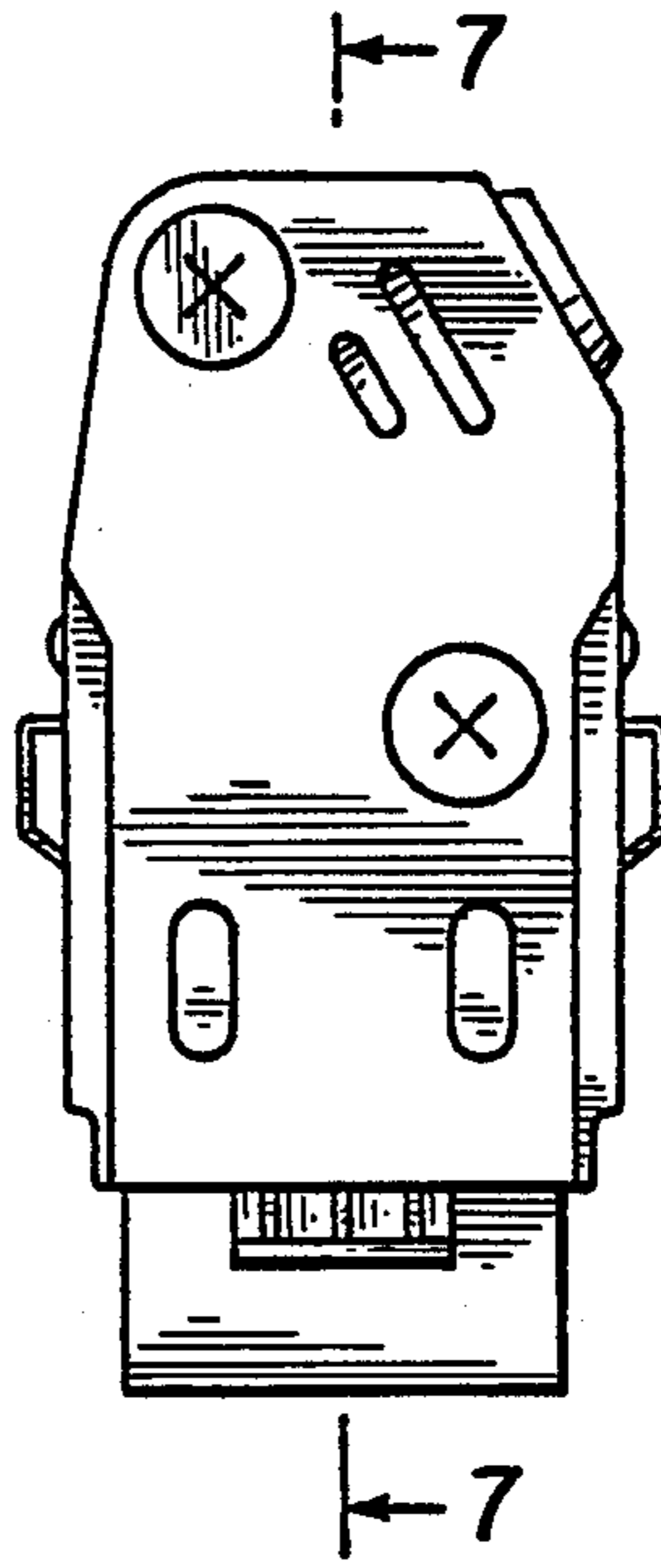


Fig. 6

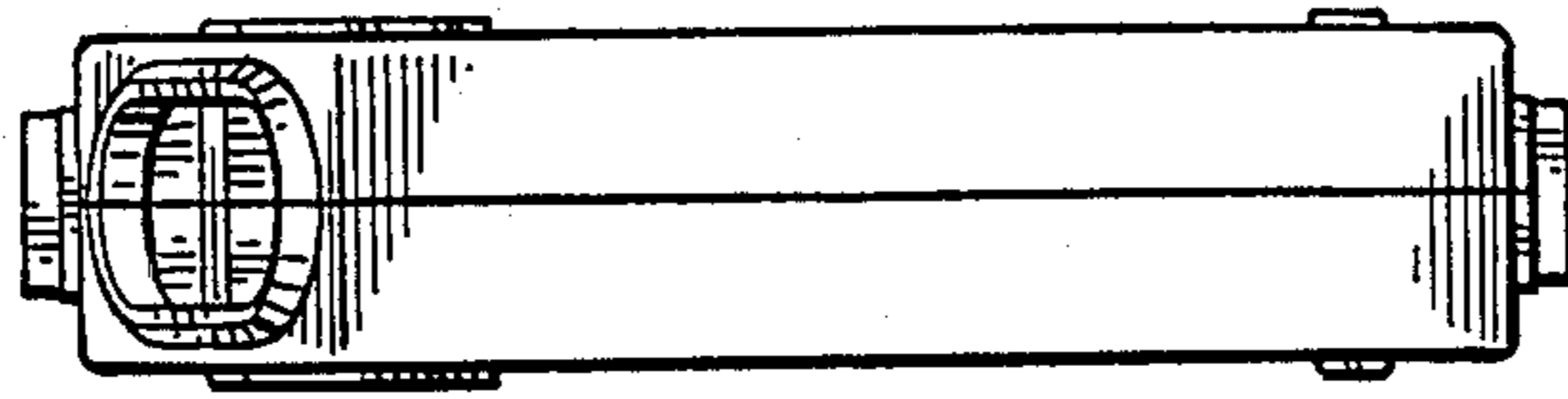


Fig. 9

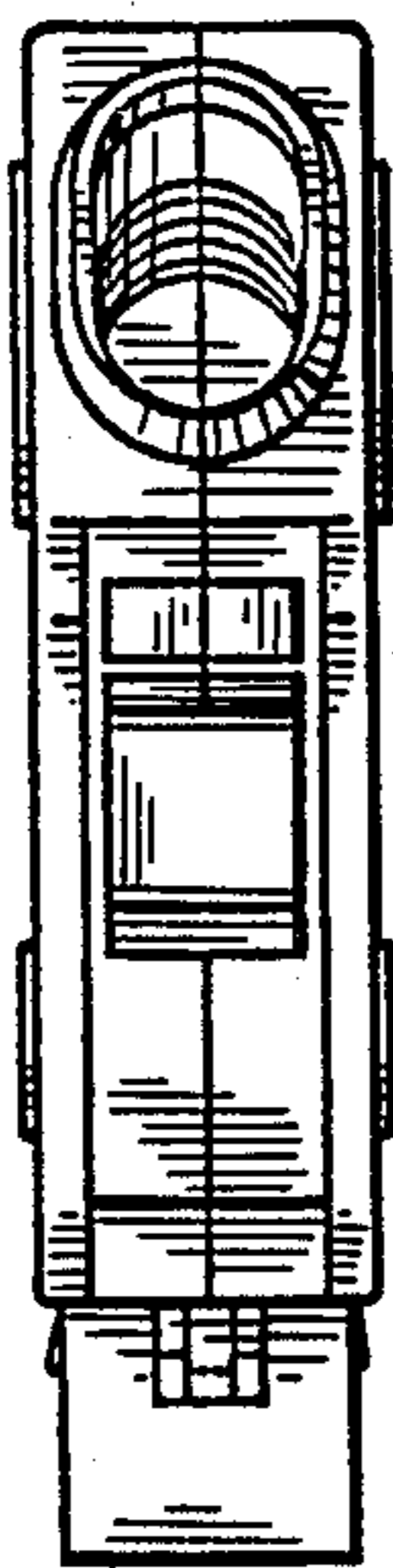


Fig. 11

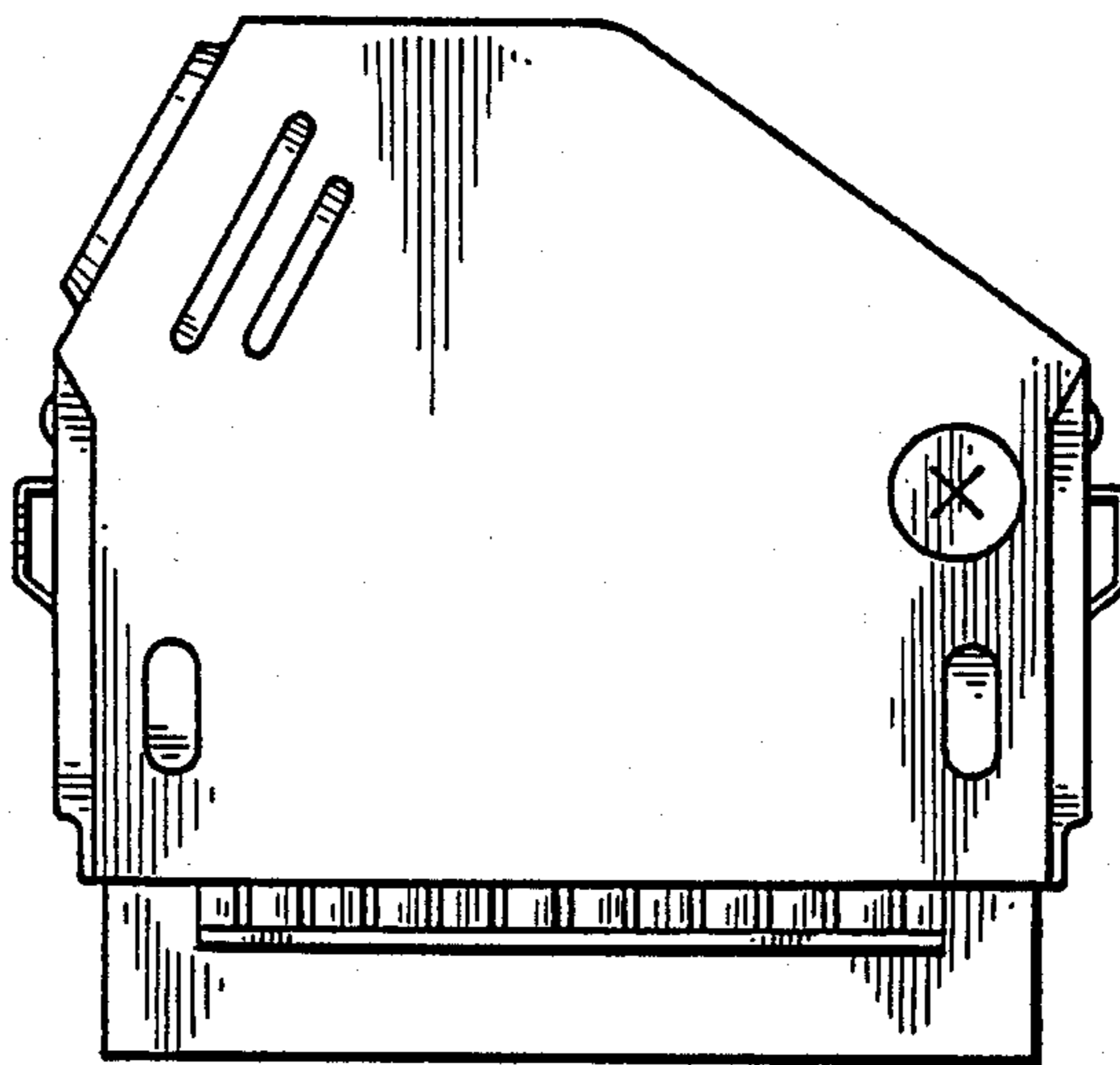


Fig. 8

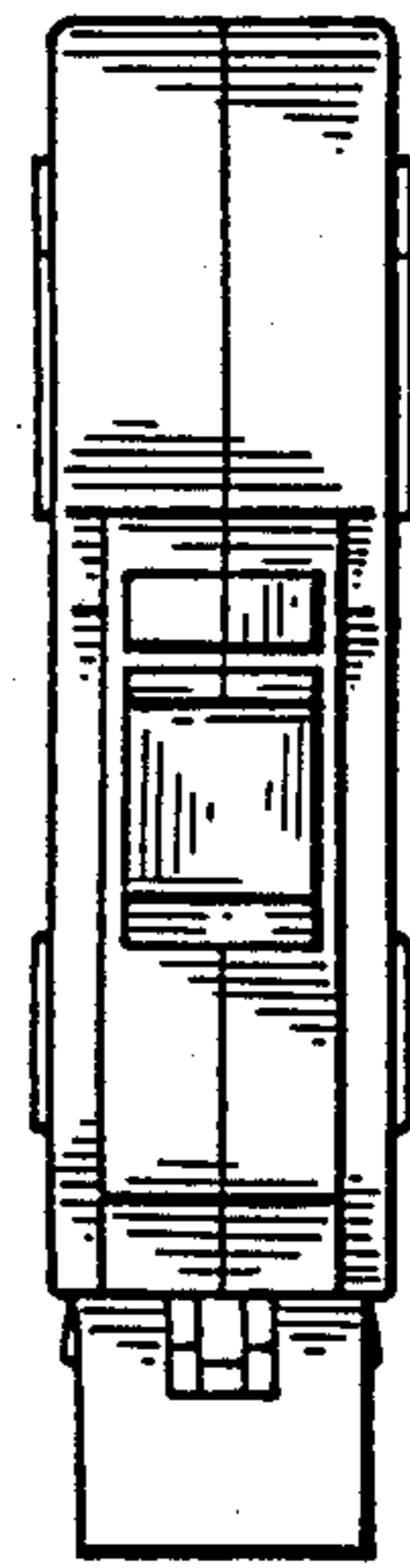


Fig. 12

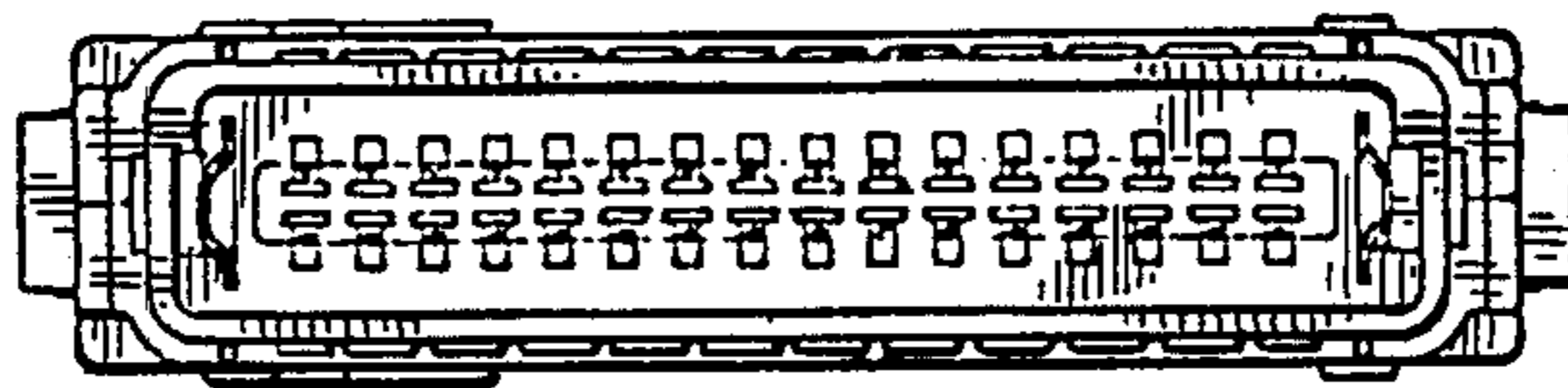


Fig. 10

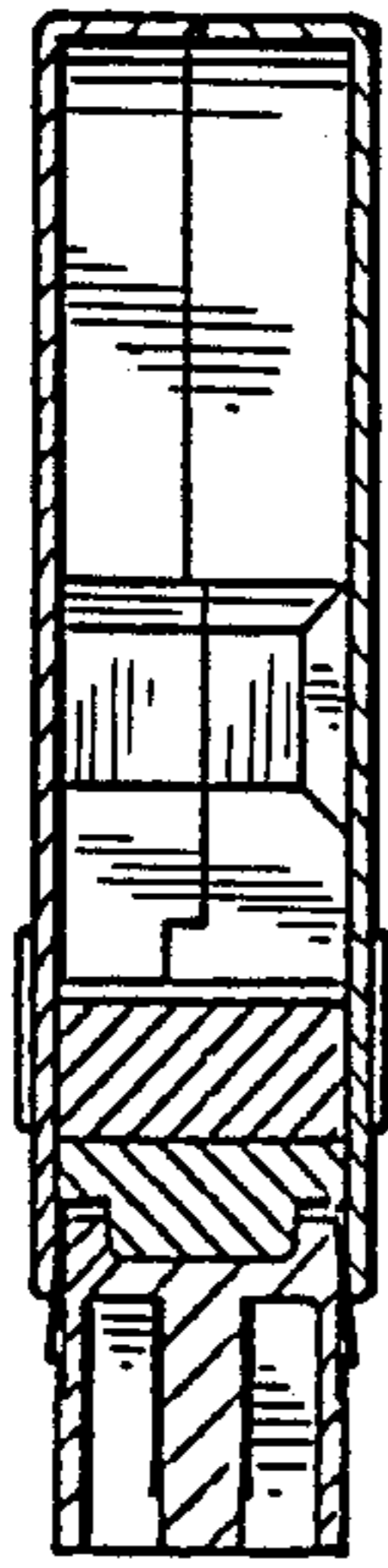


Fig. 14

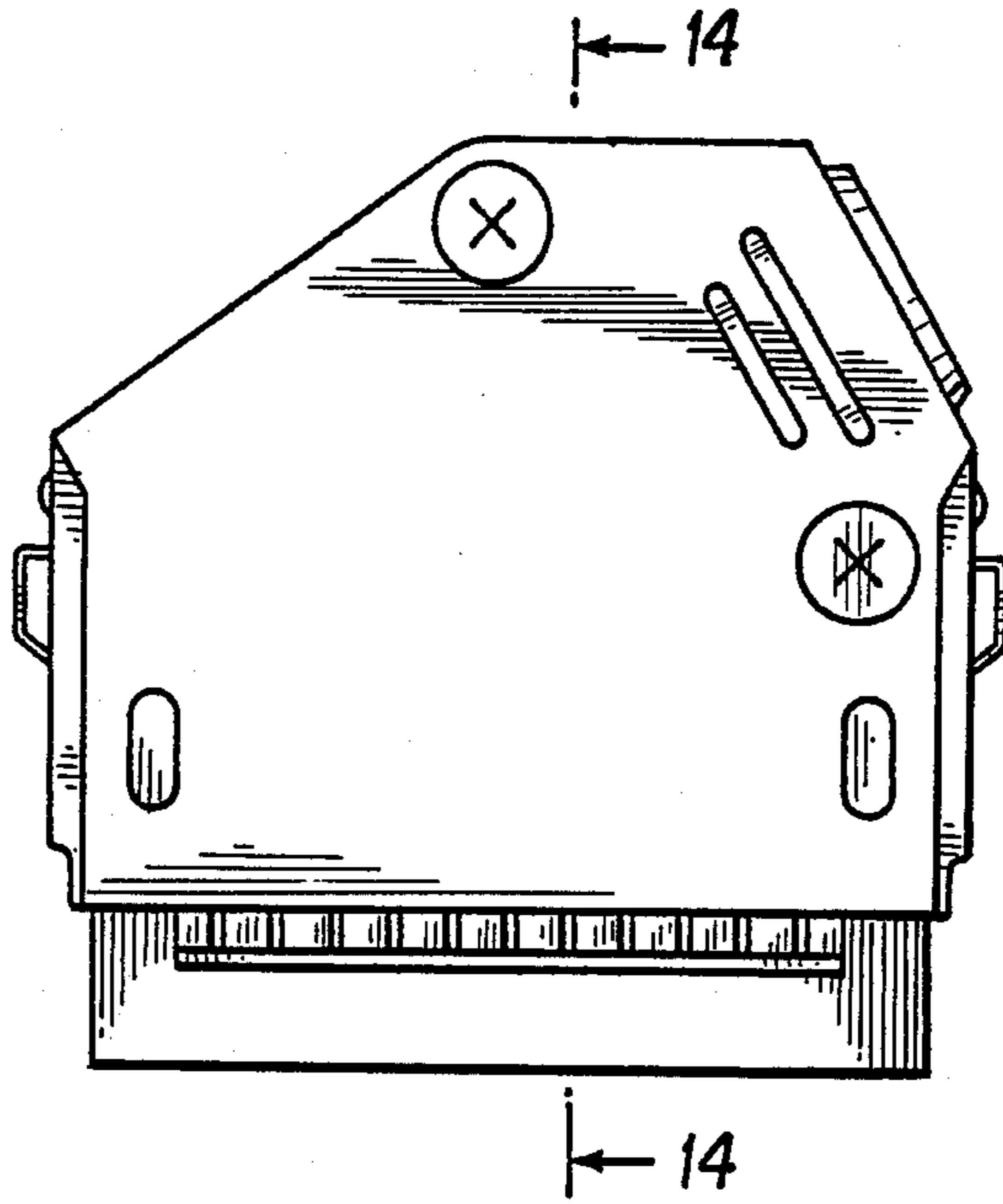


Fig. 13