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

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(54) **ELECTRICAL CONNECTOR**

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

(21) Appl. No.: **29/116,148**

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(30) **Foreign Application Priority Data**

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

(52) **U.S. Cl.** **D13/133**

(58) **Field of Search** D13/133; 439/76.1,
439/78, 83, 84, 296, 367, 370, 483, 733.1,
374, 329, 876

(56) **References Cited**

U.S. PATENT DOCUMENTS

D. 345,546 * 3/1994 Lin et al. D13/133

3,221,291 * 11/1965 Pratt 439/733.1
4,350,401 * 9/1982 Allen et al. 439/374
4,473,268 * 9/1984 Watanabe 439/483
4,509,811 * 4/1985 Amano et al. 439/77
5,336,117 * 8/1994 Mizuguchi et al. 439/717
5,842,873 * 12/1998 Gonzales 439/329 X

* cited by examiner

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(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a top plan view of an electrical connector showing the embodiment of our new design;

FIG. 2 is a side elevational view thereof, the opposite side being a mirror image;

FIG. 3 is a bottom plan view thereof;

FIG. 4 is a front elevational view thereof; and,

FIG. 5 is a rear elevational view thereof.

1 Claim, 1 Drawing Sheet

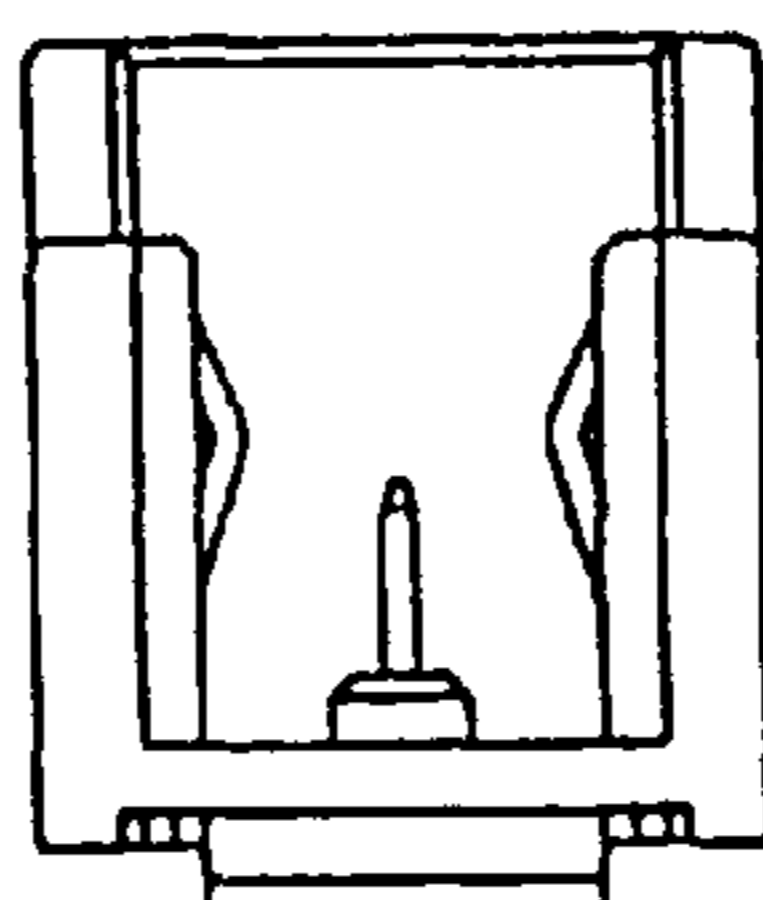
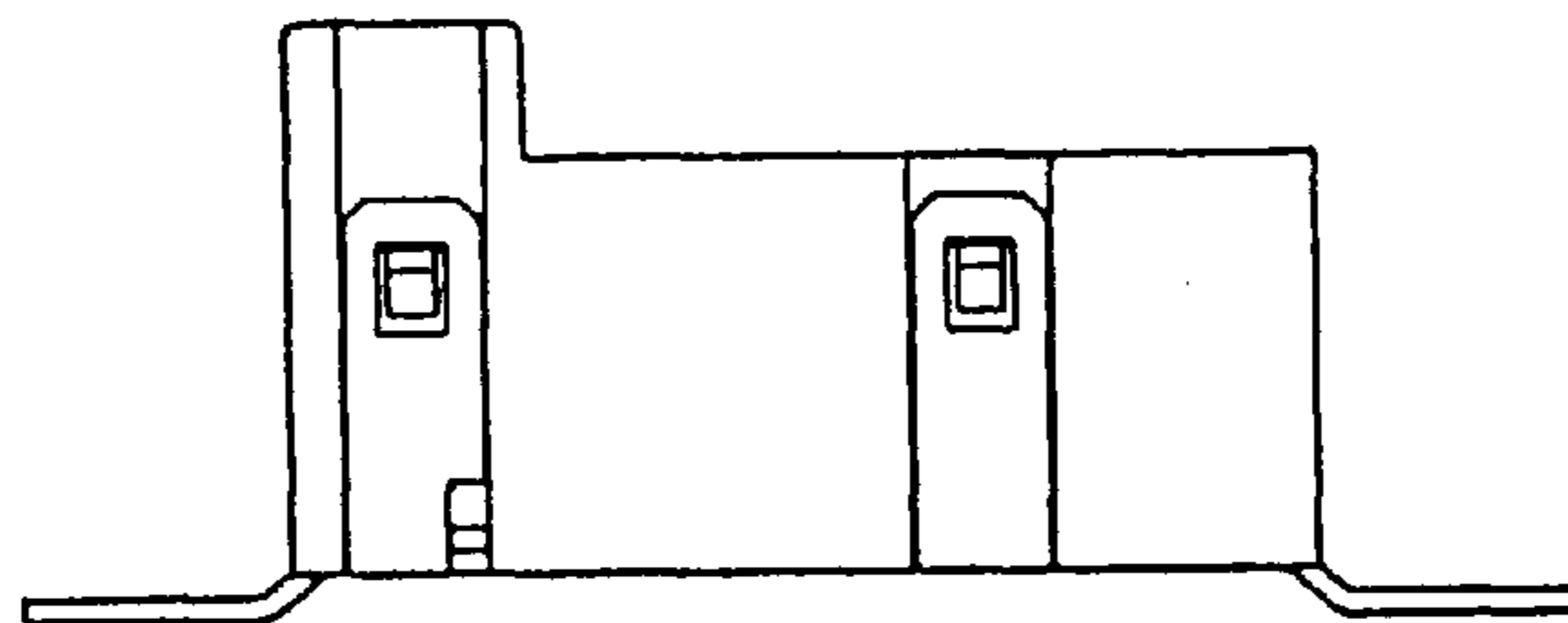
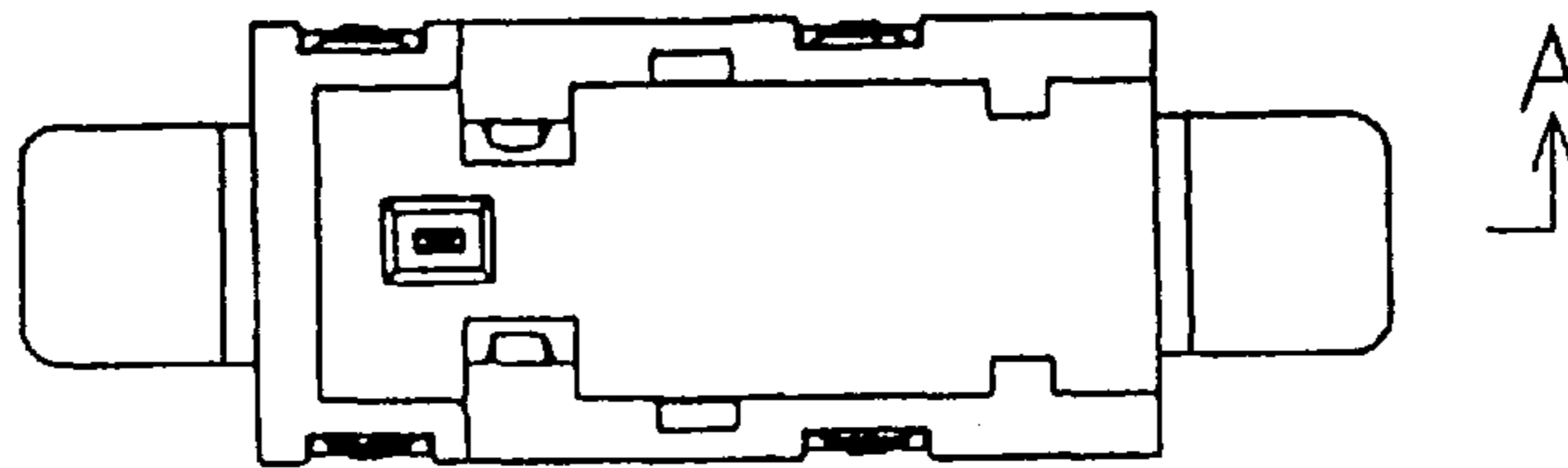


Fig. 1

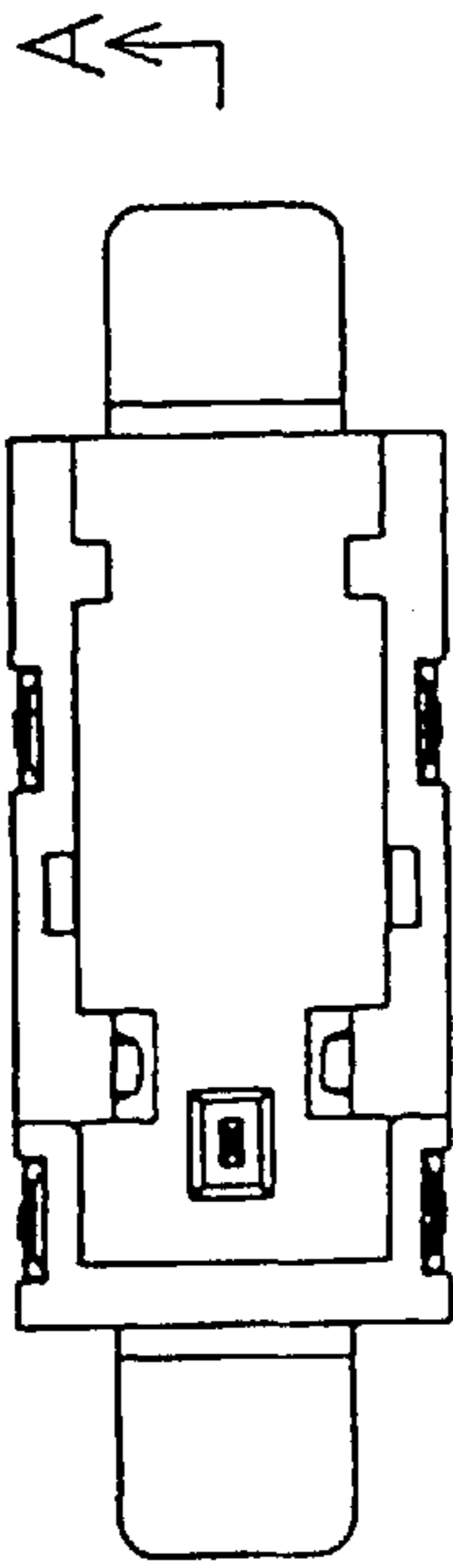


Fig. 4

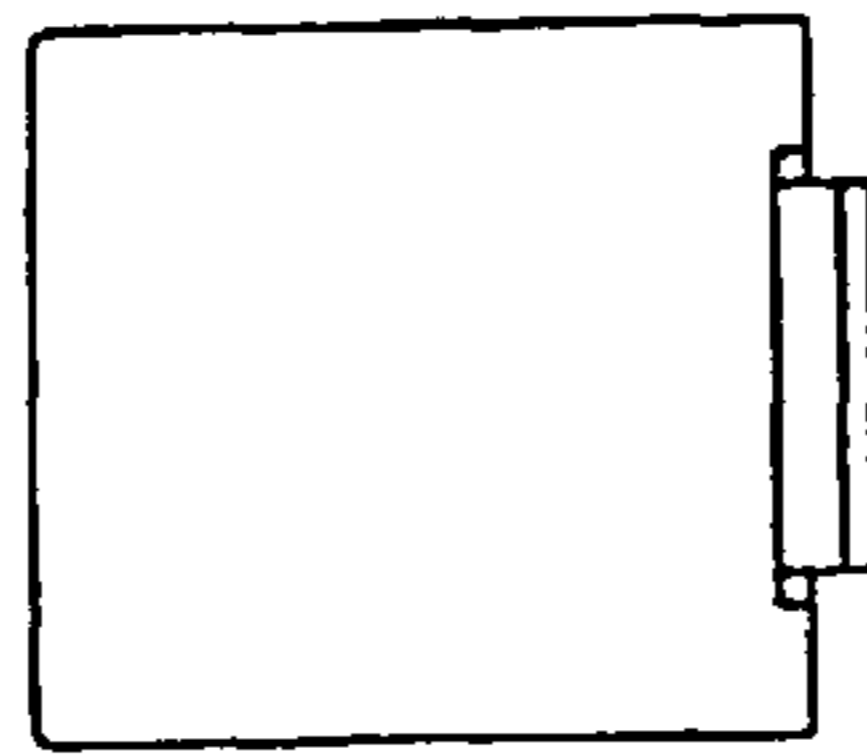


Fig. 2

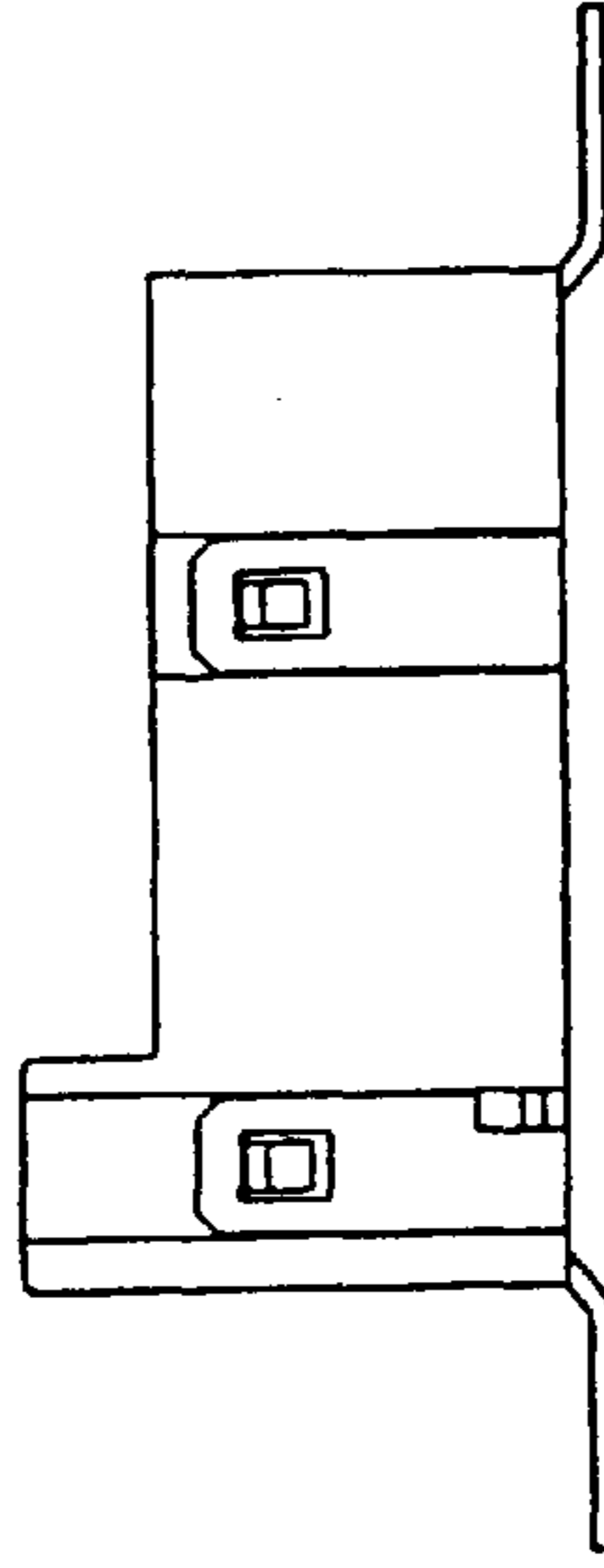


Fig. 5

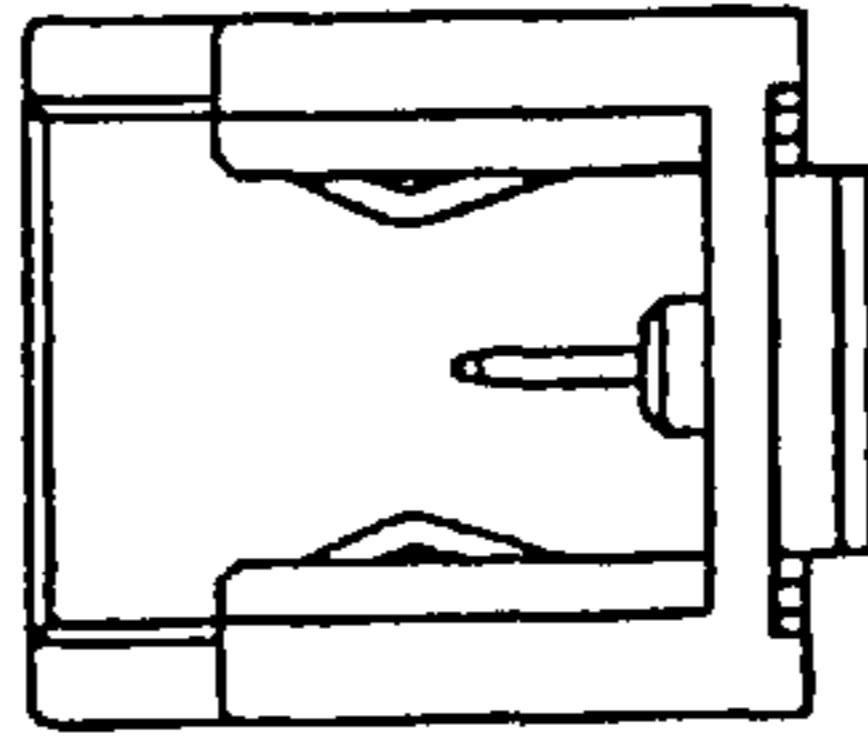


Fig. 3

