



US00D490448S

(12) **United States Design Patent**
Ishihara

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(54) **CONTROLLER FOR SOLDERING IRON**

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(73) Assignee: **Hakko Corporation**, Osaka (JP)

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

(21) Appl. No.: **29/180,798**

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(30) **Foreign Application Priority Data**

Feb. 13, 2003 (CN) 03 3 01473

(51) **LOC (7) Cl.** **15-09**

(52) **U.S. Cl.** **D15/144**

(58) **Field of Search** D15/144, 144.1,
D15/144.2; 219/125.1, 130.5, 132

(56) **References Cited**

U.S. PATENT DOCUMENTS

D277,636 S * 2/1985 Rittmann D15/144

5,278,390 A * 1/1994 Blankenship 219/130.5

5,864,117 A * 1/1999 Kneisley et al. 219/132

* cited by examiner

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(57) **CLAIM**

The ornamental design for a controller for soldering iron, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a controller for soldering iron;

FIG. 2 is a front view thereof;

FIG. 3 is a rear view thereof;

FIG. 4 is a left side view thereof;

FIG. 5 is a right side view thereof;

FIG. 6 is a top view thereof; and,

FIG. 7 is a bottom view thereof.

1 Claim, 5 Drawing Sheets

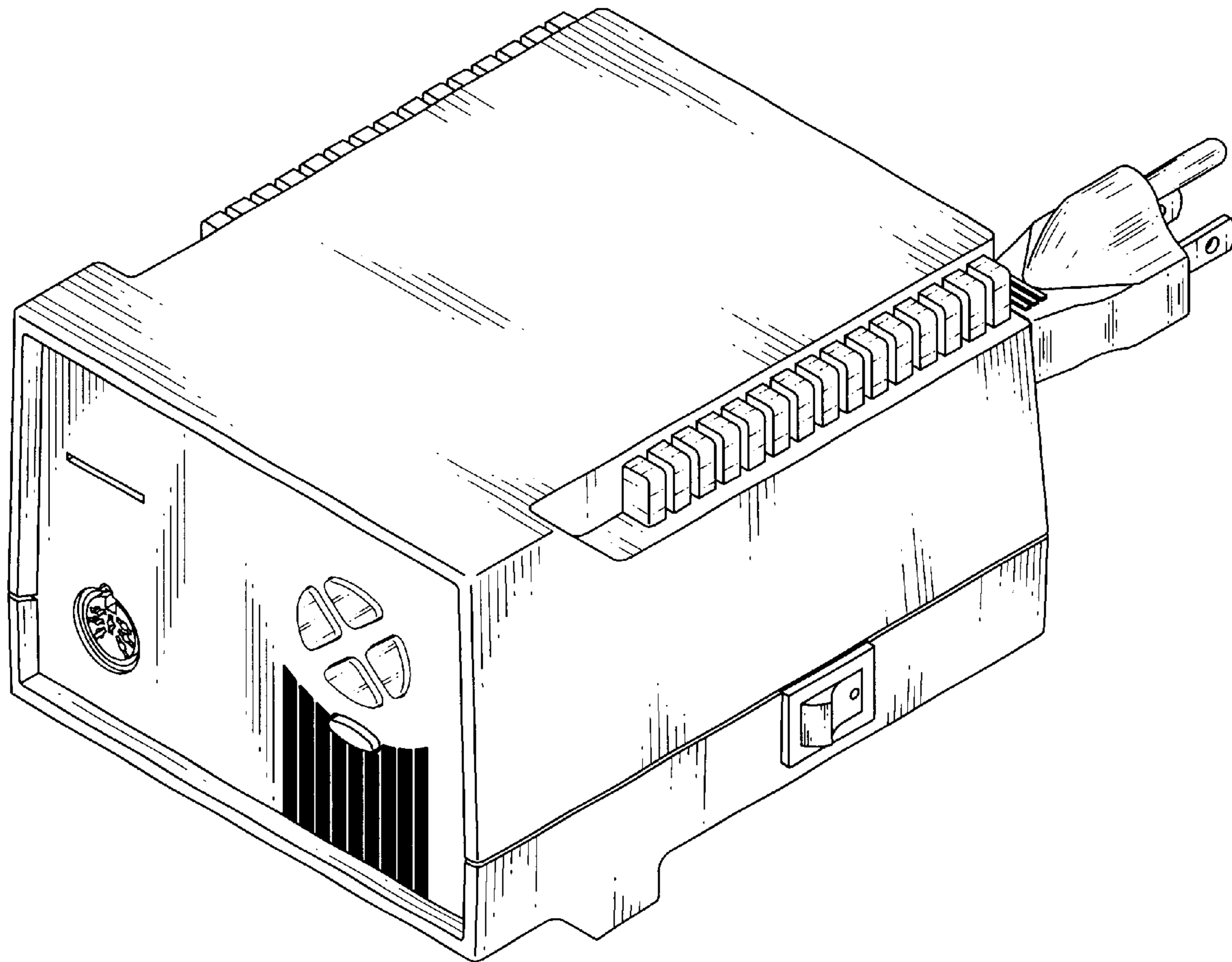


Fig. 1

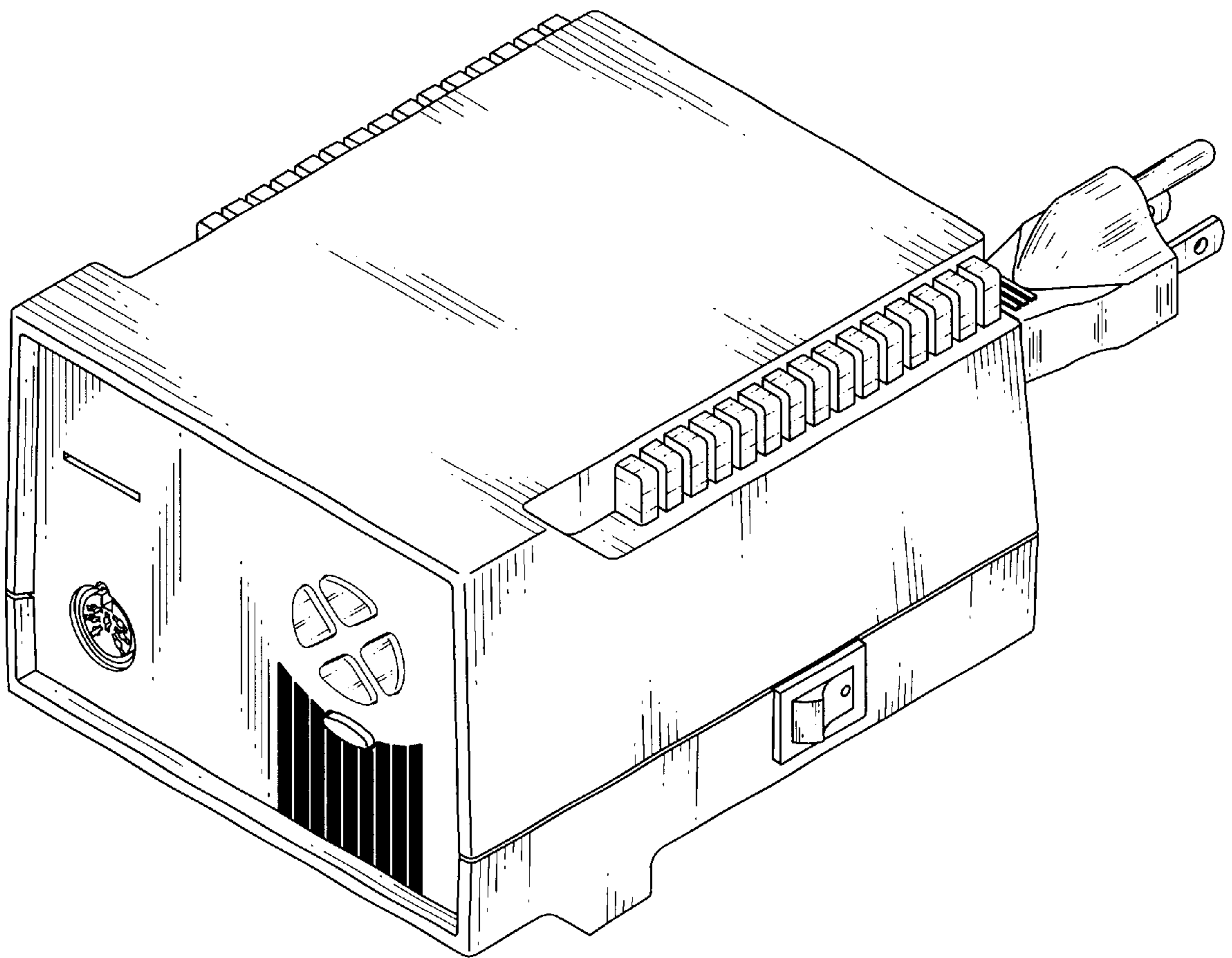


Fig. 2

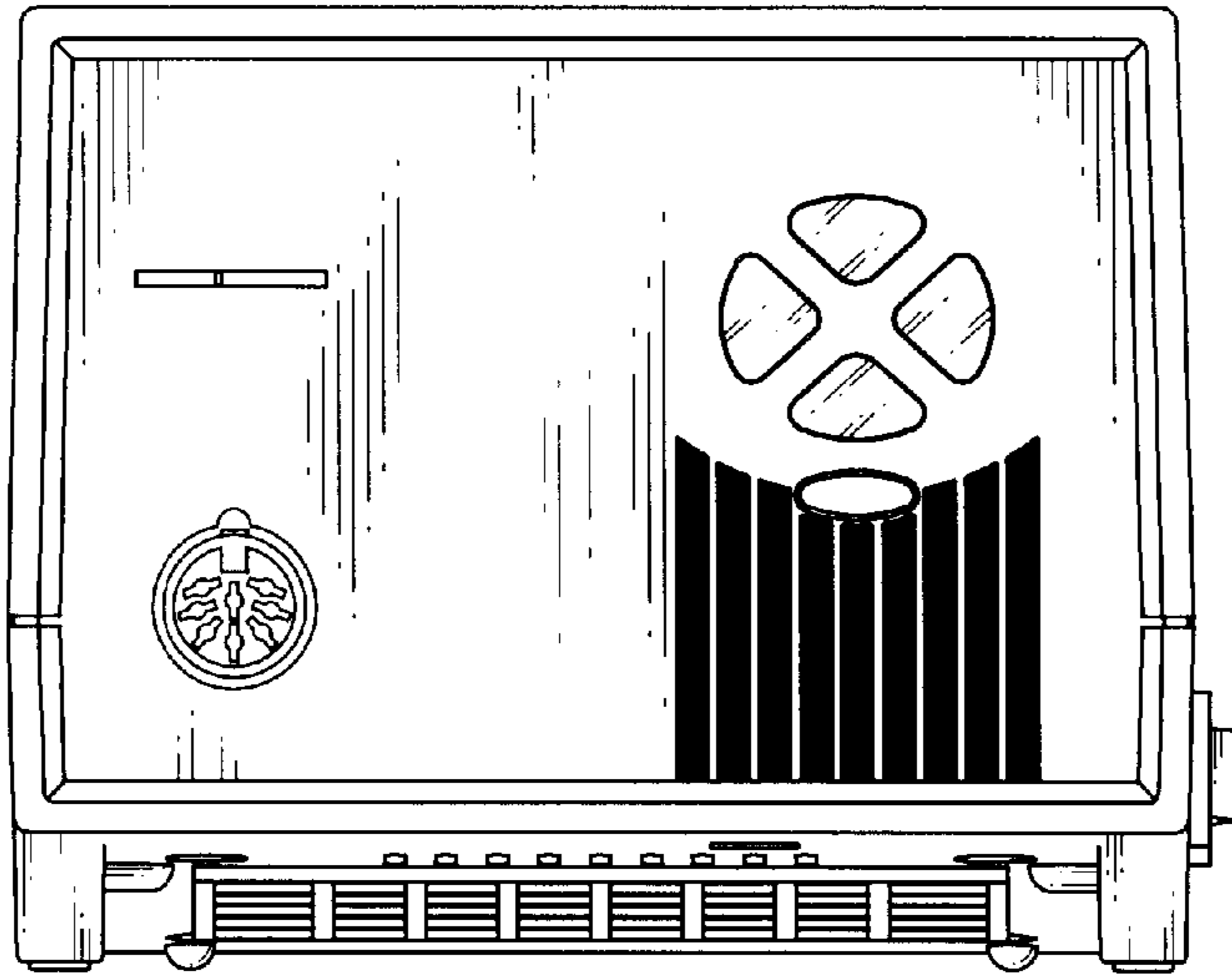


Fig. 3

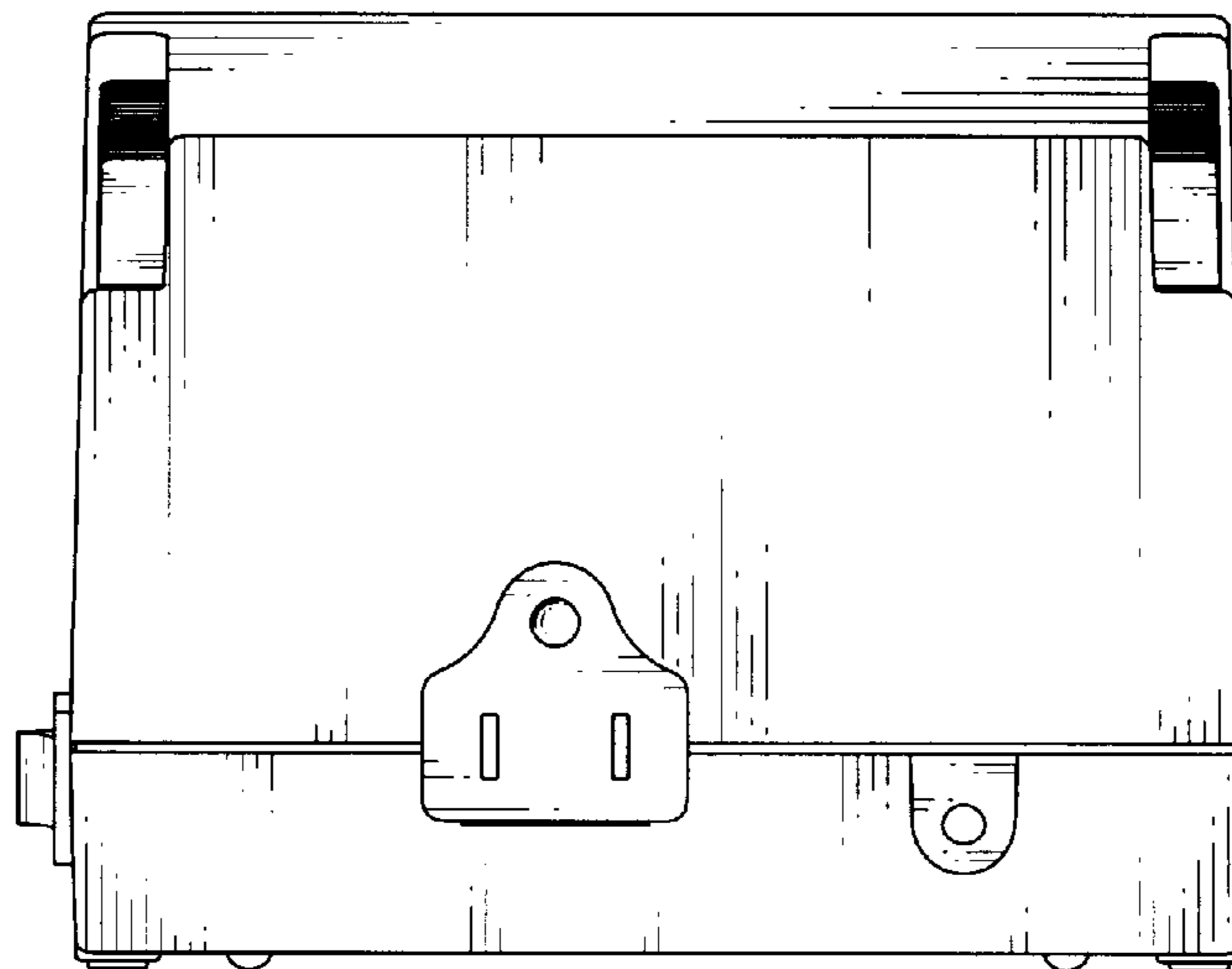


Fig. 4

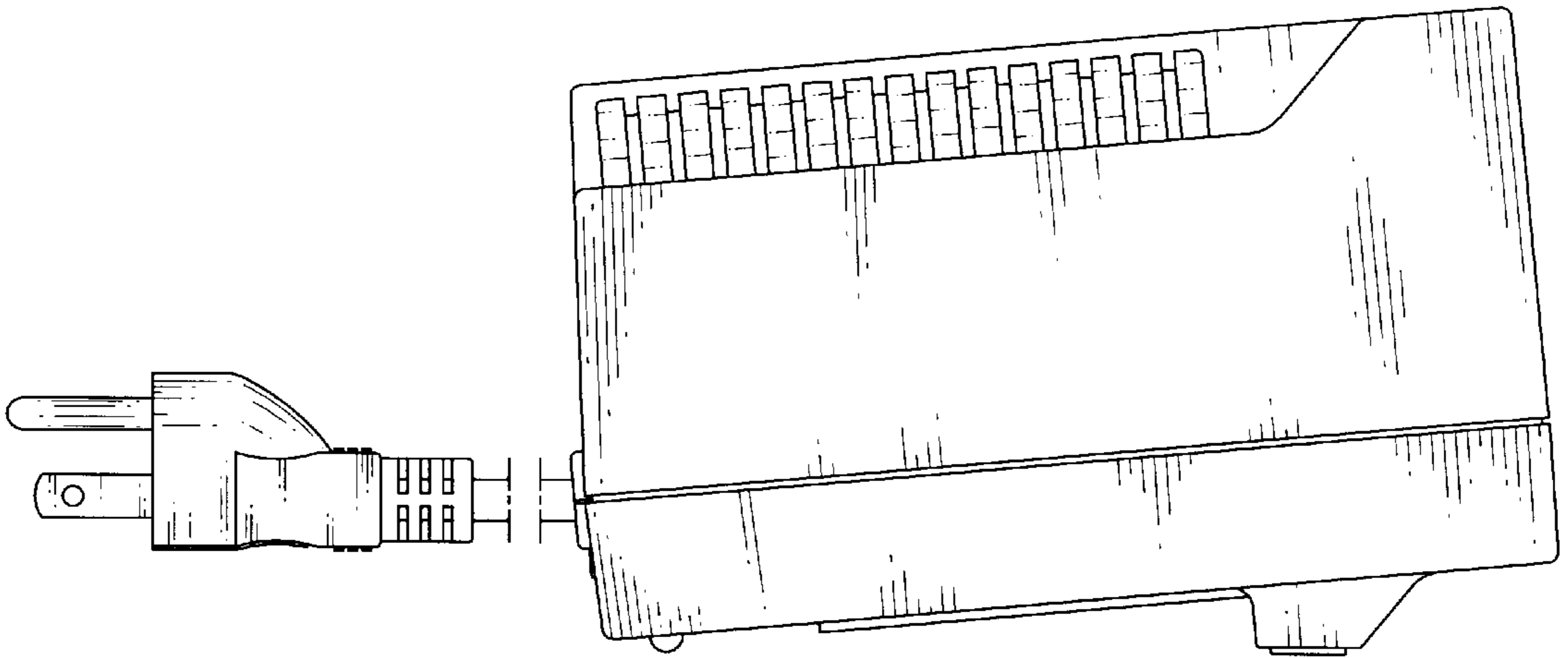


Fig. 5

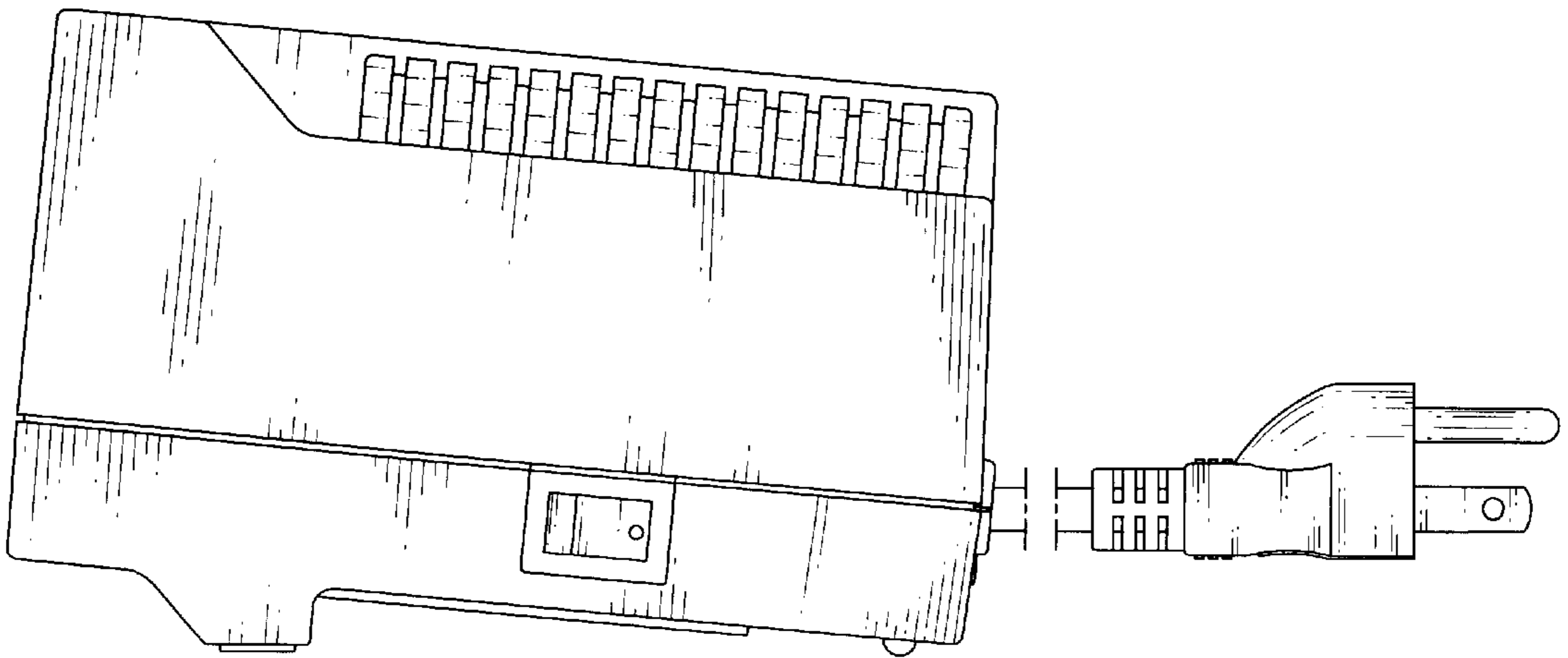


Fig. 6

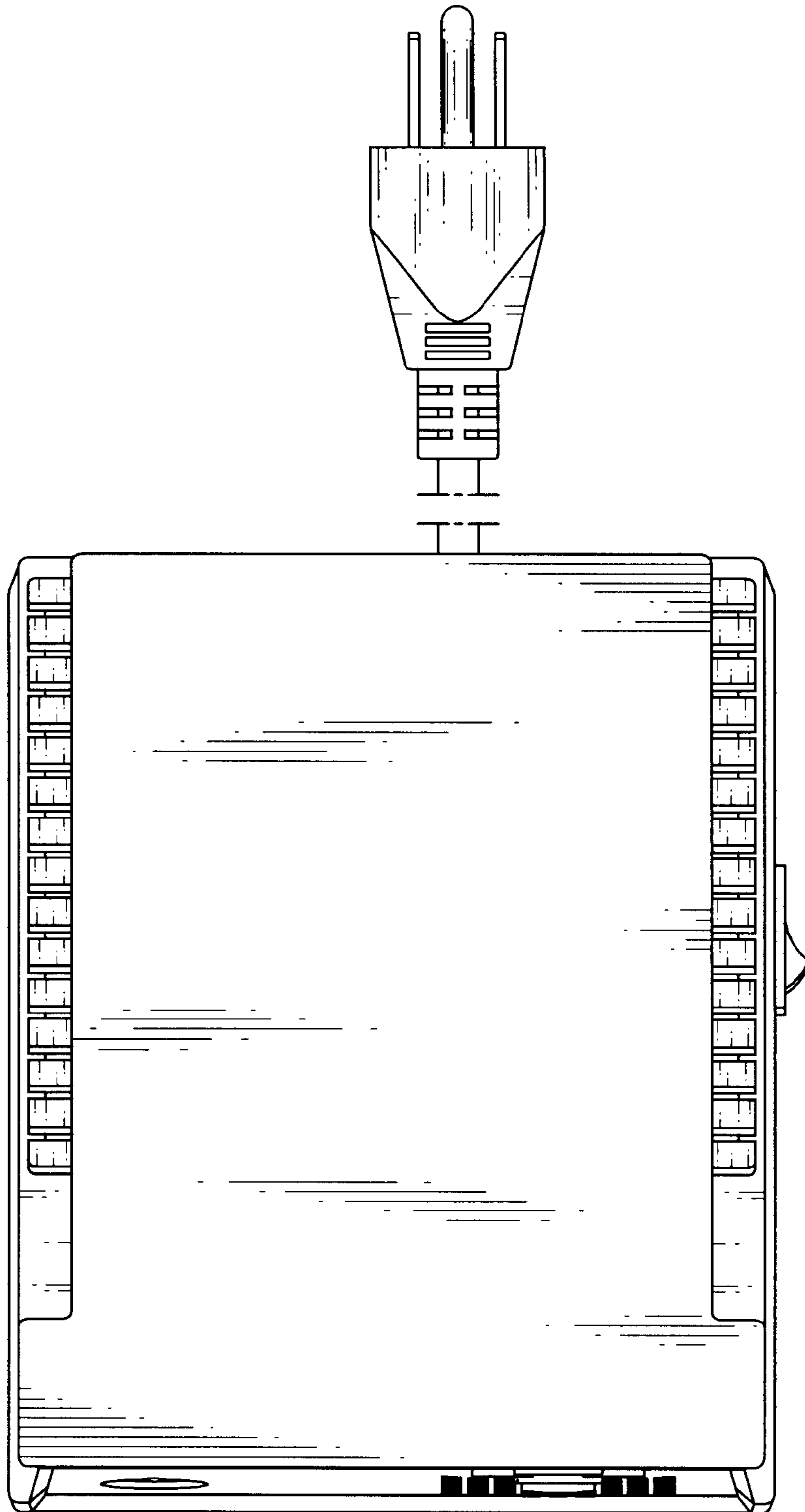


Fig. 7

