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

(10) **Patent No.:** **US D454,578 S**

(45) **Date of Patent:** **\*\* Mar. 19, 2002**

(54) **STUD WELDING UNIT**

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\* cited by examiner

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(US)

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

(57) **CLAIM**

The ornamental design for a stud welding unit, as shown and described.

(21) Appl. No.: **29/137,241**

**DESCRIPTION**

(22) Filed: **Feb. 15, 2001**

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

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

(58) **Field of Search** ..... D15/144, 144.1,  
D15/144.2; 219/69.11, 69.14, 69.16, 130.1–136,  
227, 240, 242; 228/1.1, 44.7, 56.5

FIG. 1 is a front perspective view of a stud welding unit showing our new design;

FIG. 2 is a front elevational view of the stud welding unit;

FIG. 3 is a rear elevational view of the stud welding unit;

FIG. 4 is a right side elevational view of the stud welding unit;

FIG. 5 is a left side elevational view of the stud welding unit;

FIG. 6 is a bottom plan view of the stud welding unit; and,

FIG. 7 is a top plan view of the stud welding unit.

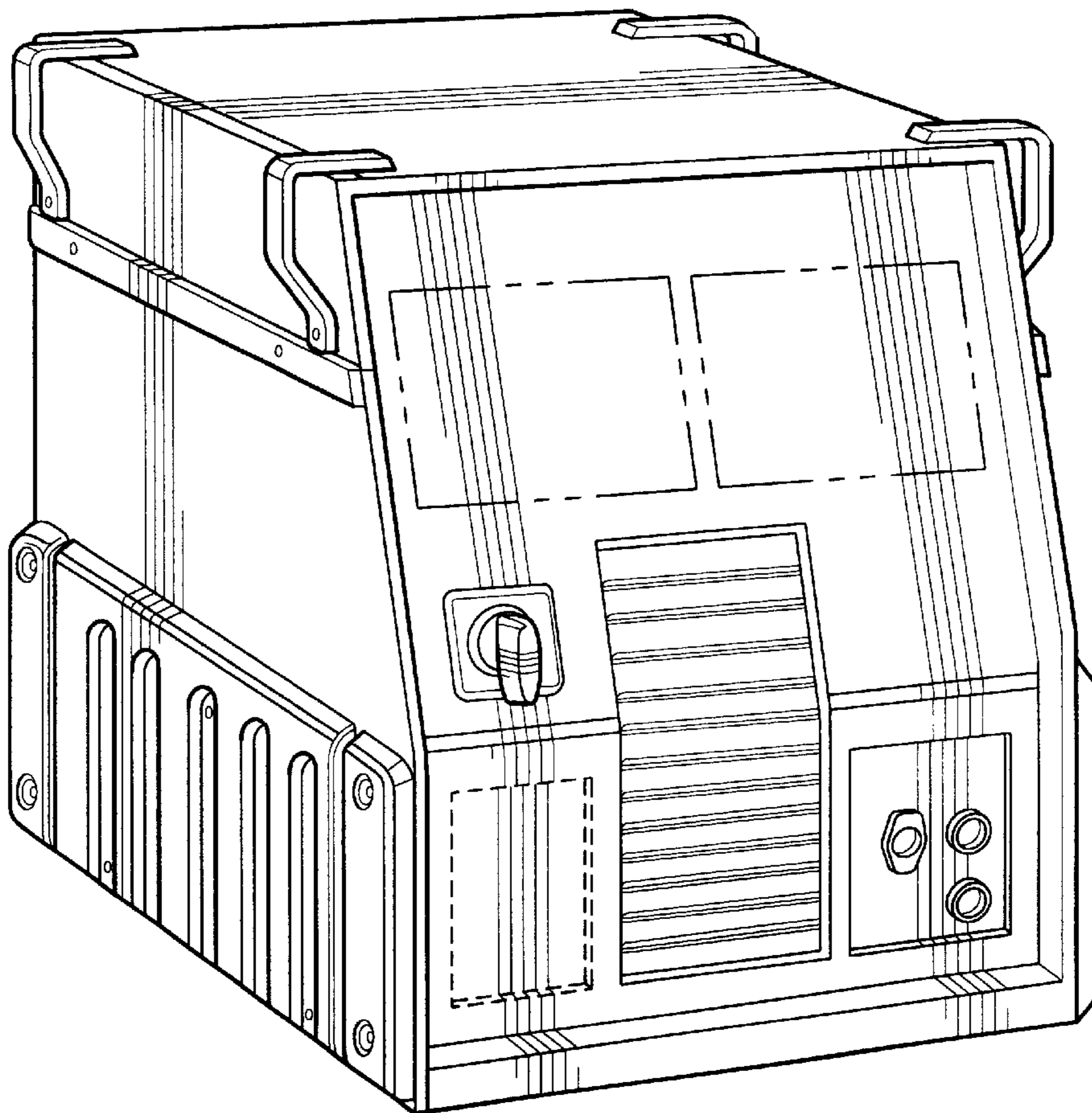
The broken line showing is for illustrative purposes only and forms no part of the claimed design.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

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**1 Claim, 4 Drawing Sheets**



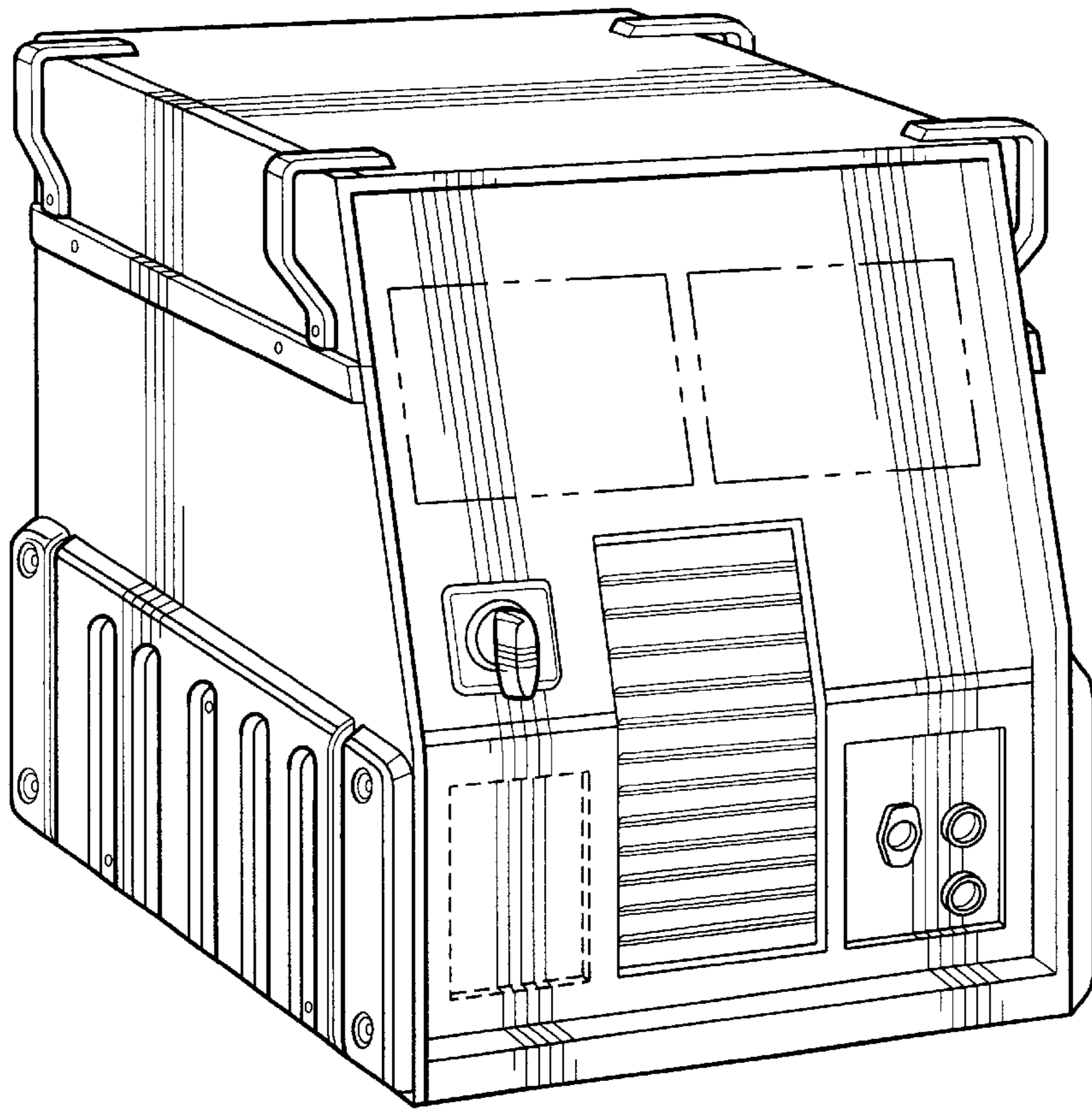


Fig-1

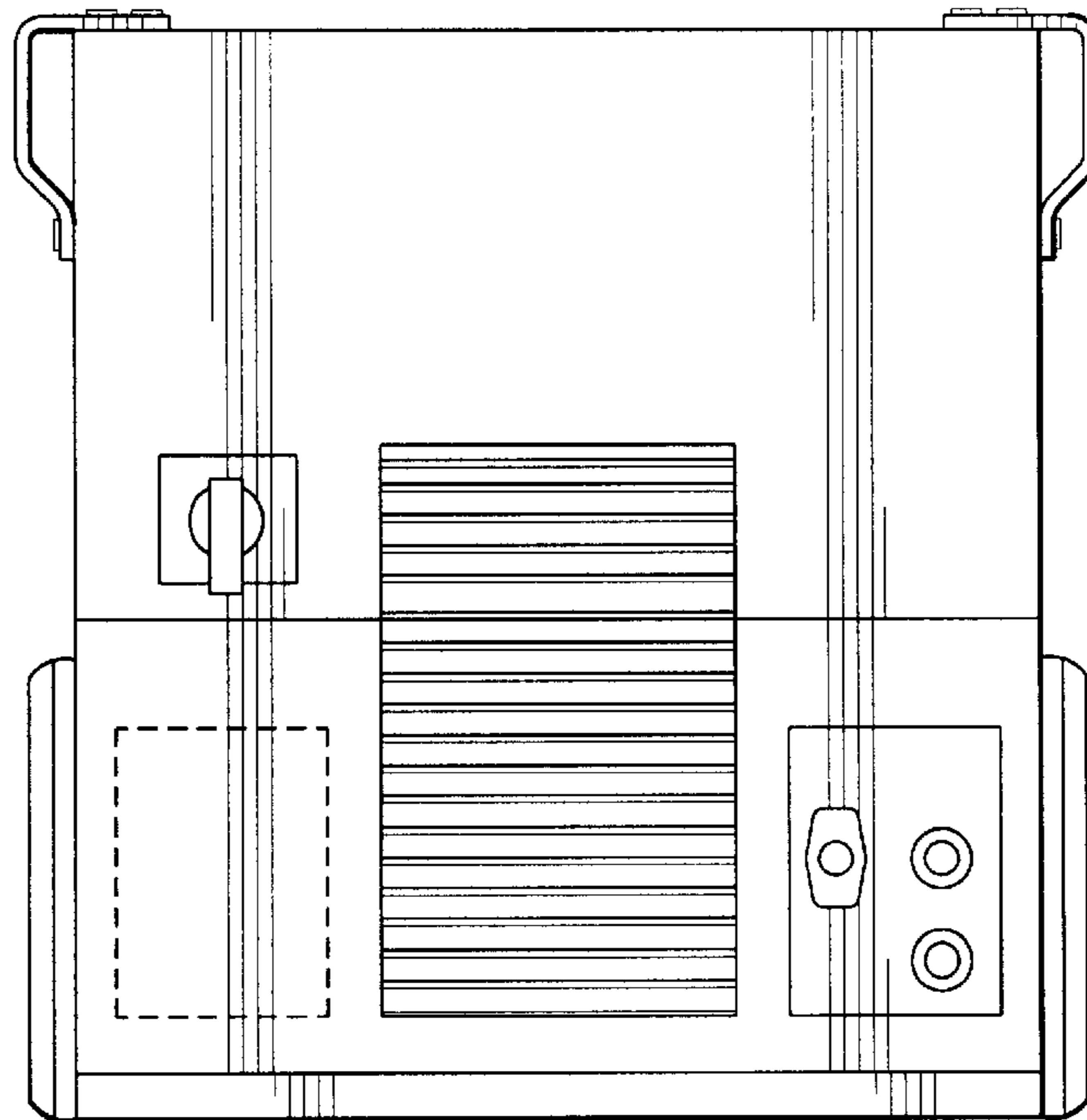


Fig-2

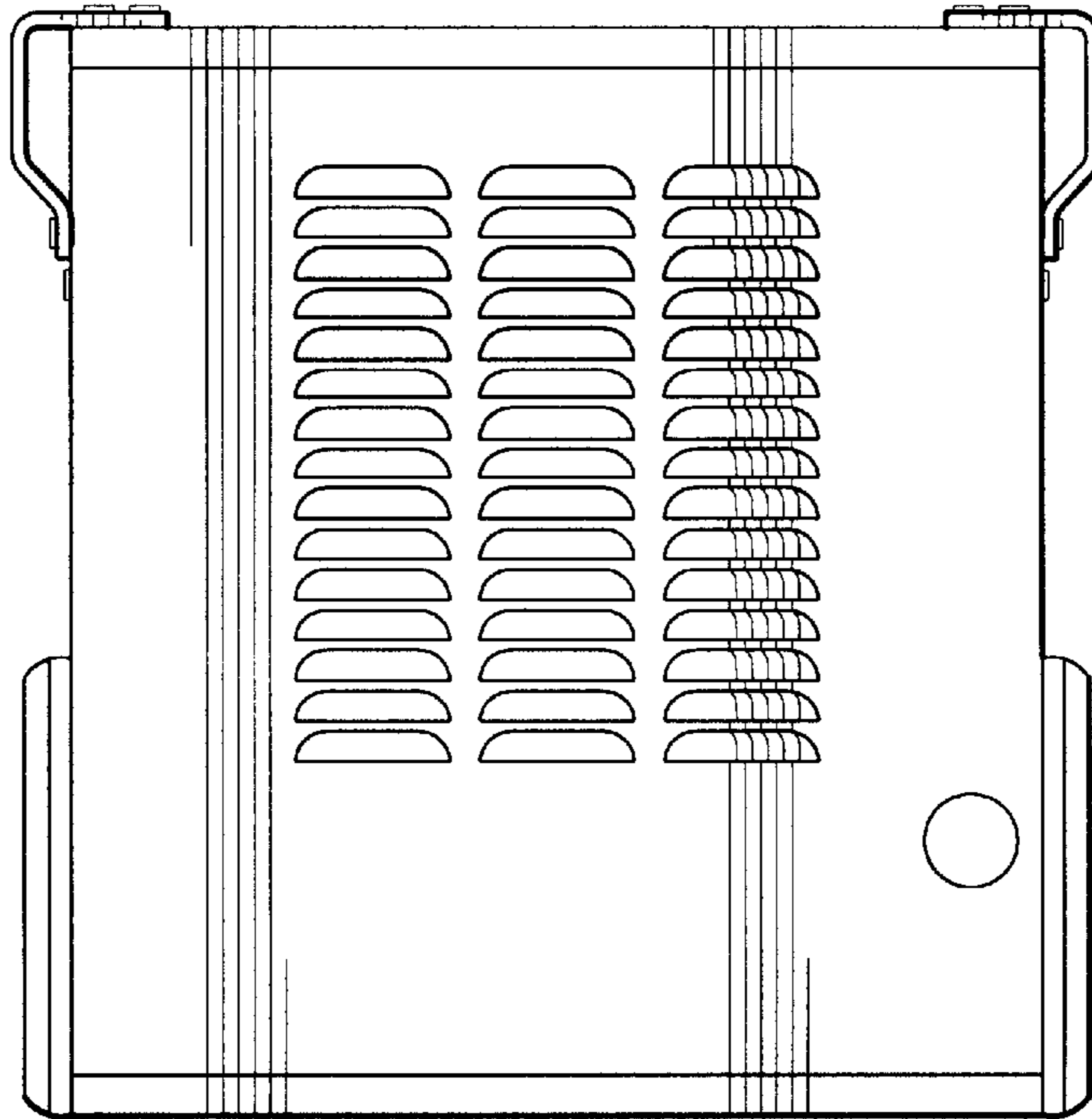


Fig-3

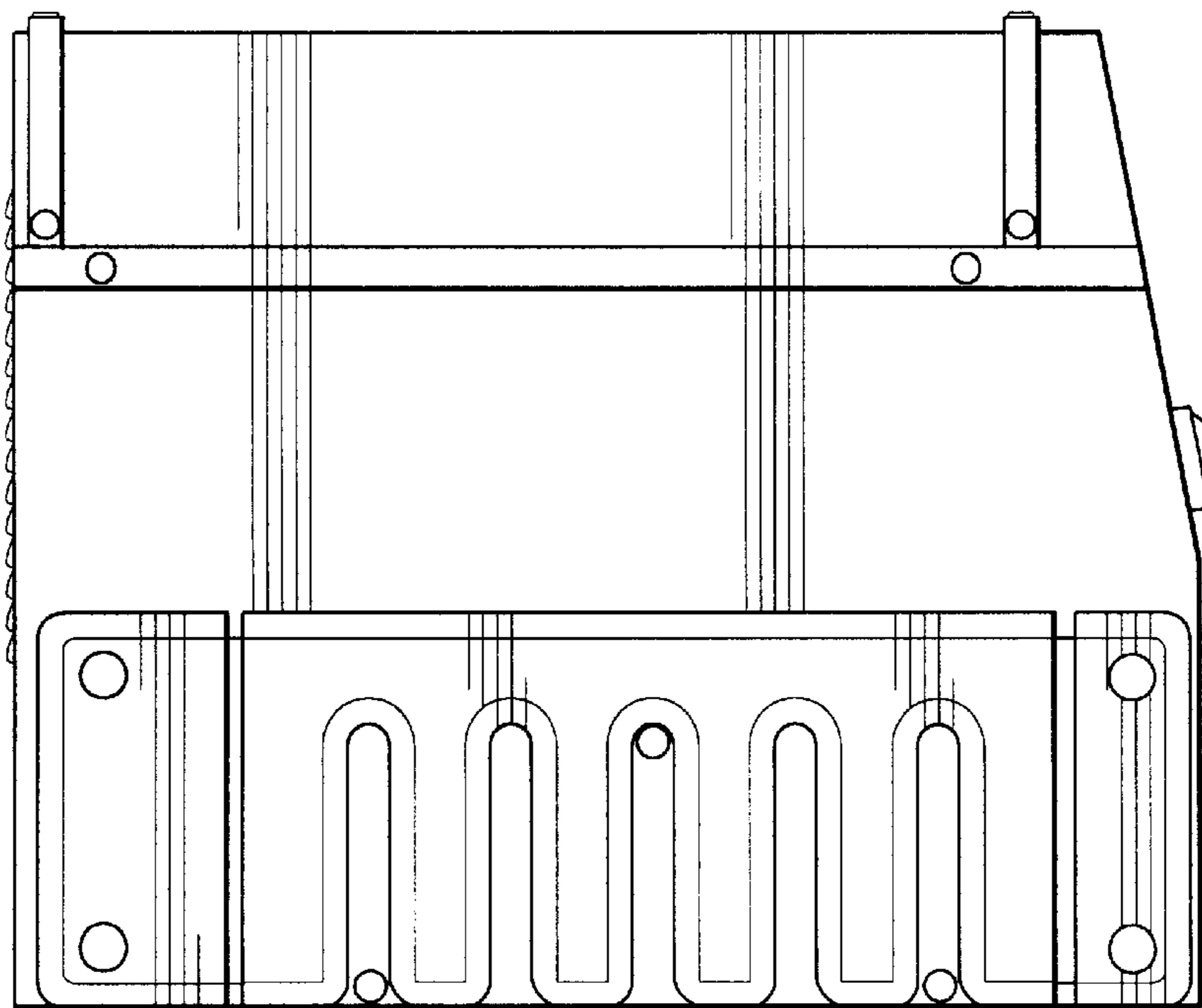


Fig-4

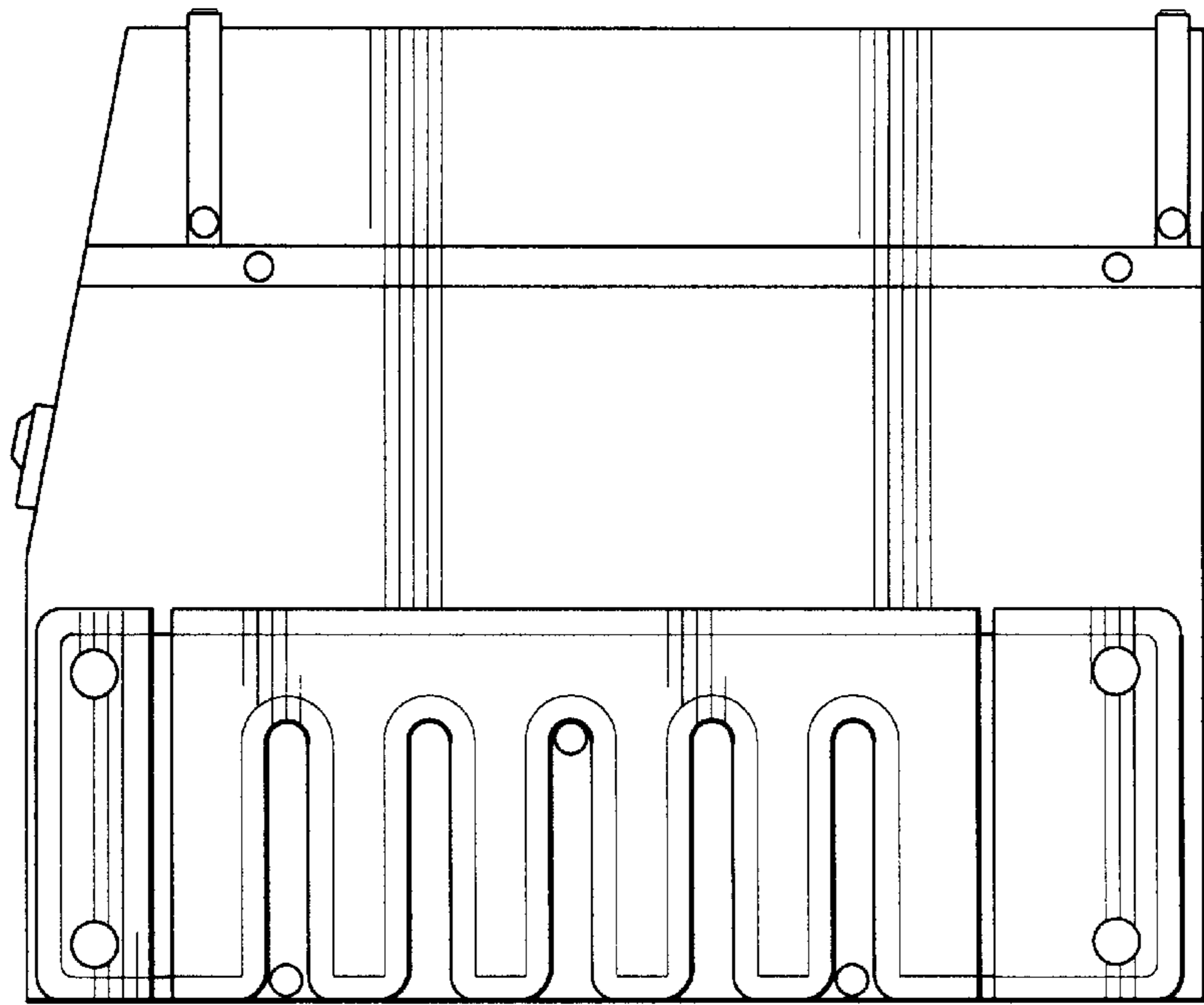


Fig-5

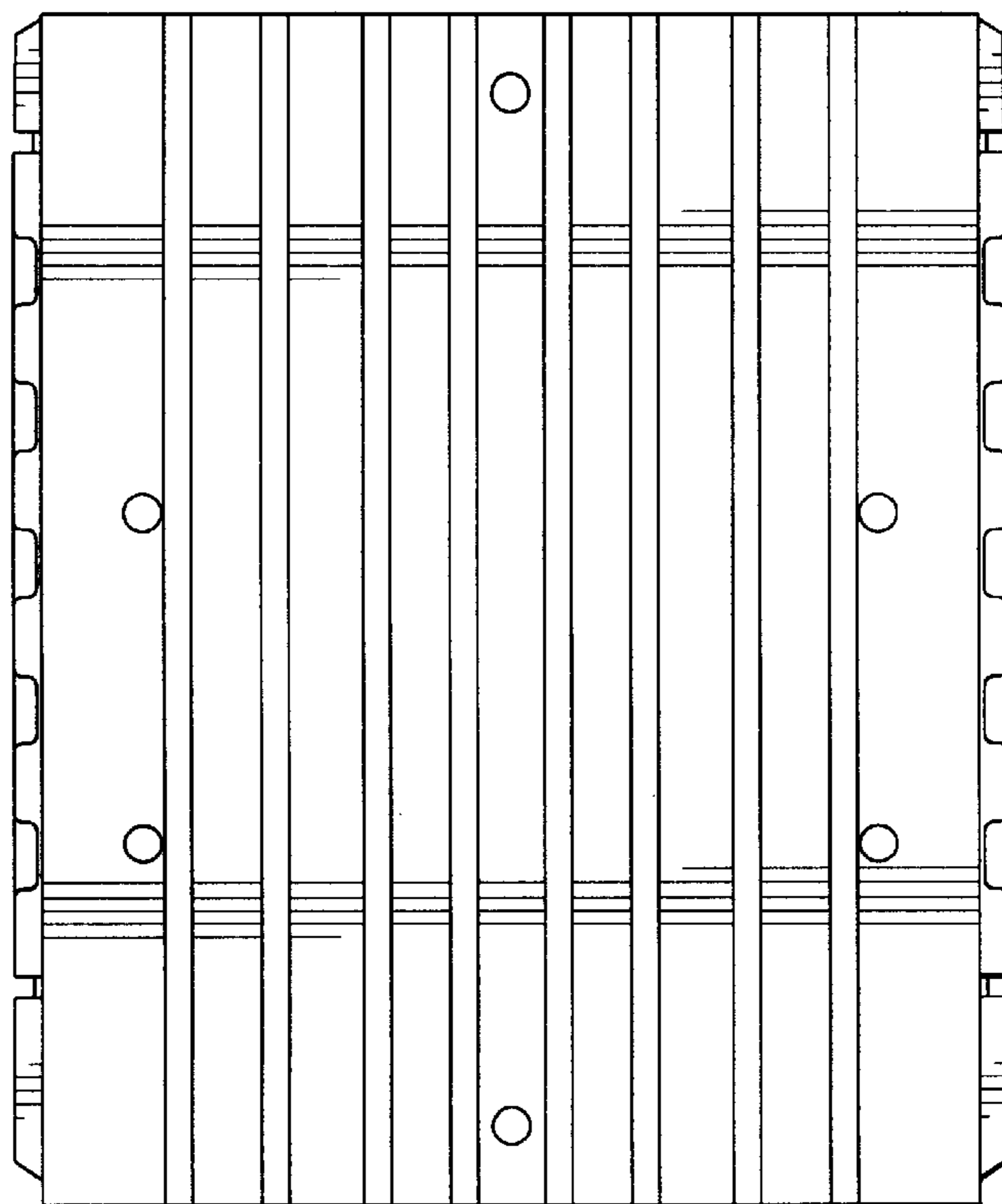


Fig-6

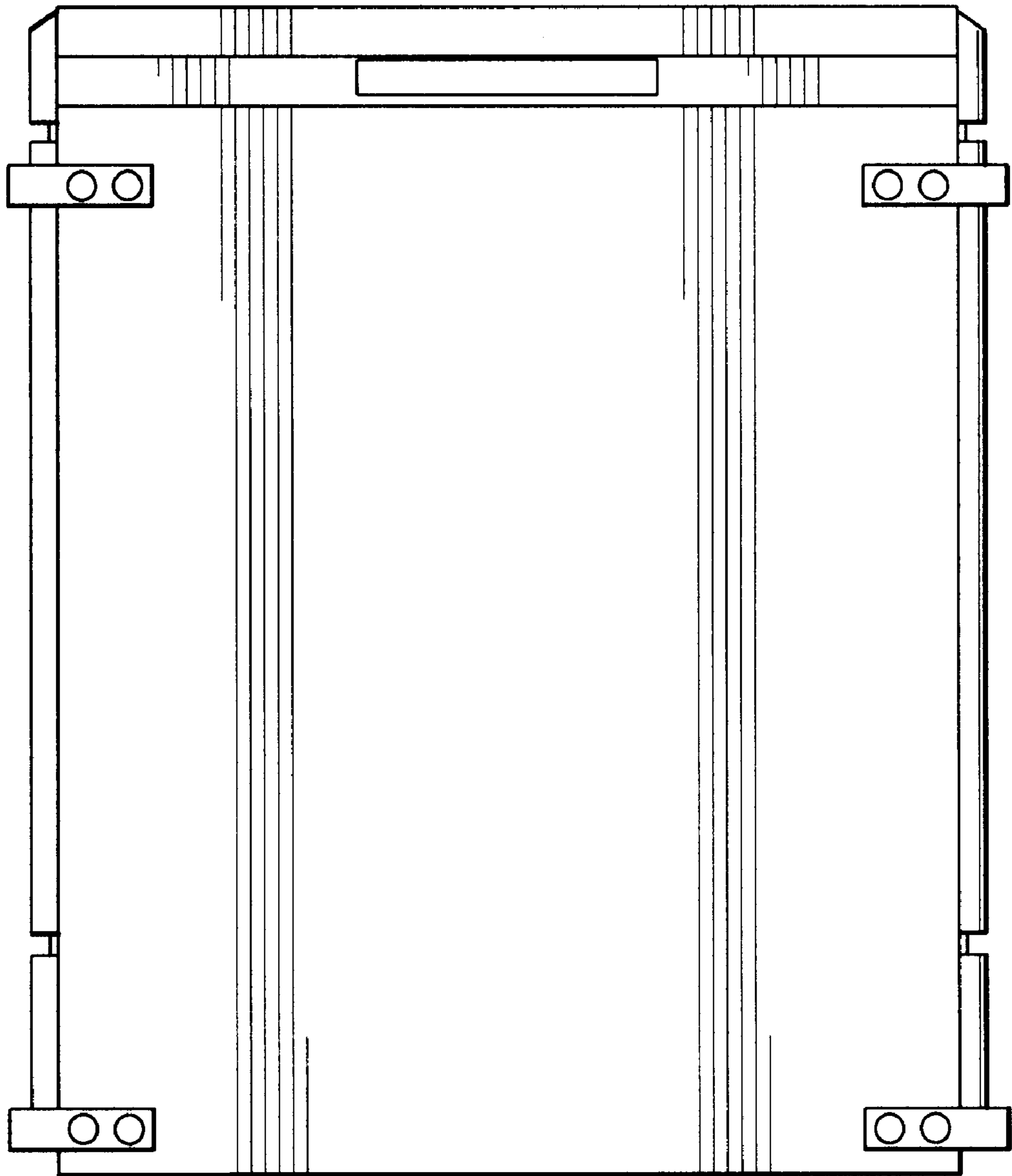


Fig-7