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(12) **United States Design Patent** (10) **Patent No.:** **US D526,044 S**
Torichigai et al. (45) **Date of Patent:** **** Aug. 1, 2006**

(54) **HOLLOW FIBER ELEMENT FOR FILTRATION**

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

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(51) **LOC (8) Cl.** **23-01**

(52) **U.S. Cl.** **D23/209**

(58) **Field of Classification Search** D23/209,
D23/207; 210/321.8, 321.89, 323.2, 321.61
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,425,234 A * 1/1984 Reitz 210/321.8
5,922,201 A * 7/1999 Yamamori et al. 210/321.79
D481,782 S 11/2003 Okazaki
6,790,360 B1 * 9/2004 Pedersen et al. 210/636

FOREIGN PATENT DOCUMENTS

JP D1229495 2/2005

* cited by examiner

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(57) **CLAIM**

The ornamental design for a hollow fiber element for filtration, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a hollow fiber element for filtration showing our new design;

FIG. 2 is a front elevational view thereof, the rear elevational view being a mirror image of the front elevational view;

FIG. 3 is a right side elevational view thereof, the left side elevational view being a mirror image of the right side view;

FIG. 4 is a top plan view thereof; and,

FIG. 5 is an enlarged detail of a partial perspective view thereof shown in FIG. 1.

The broken line in the drawings is for illustrative purpose only and forms no part of the claimed design.

1 Claim, 2 Drawing Sheets

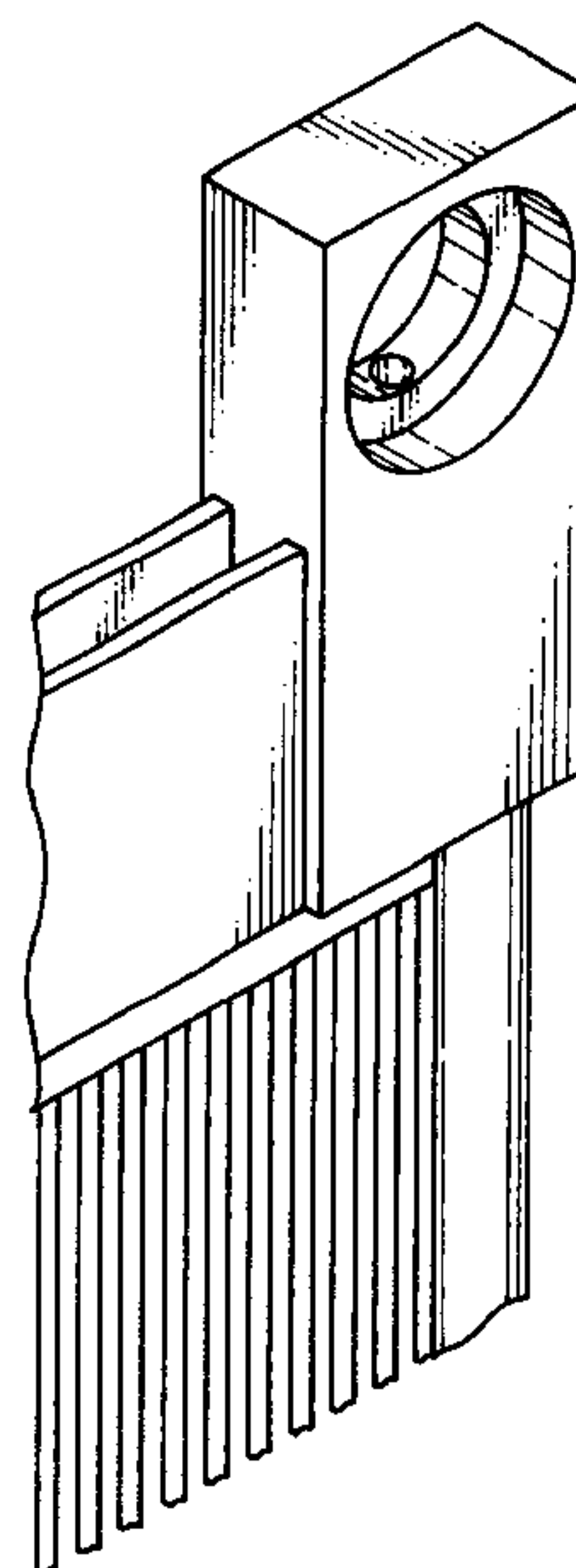
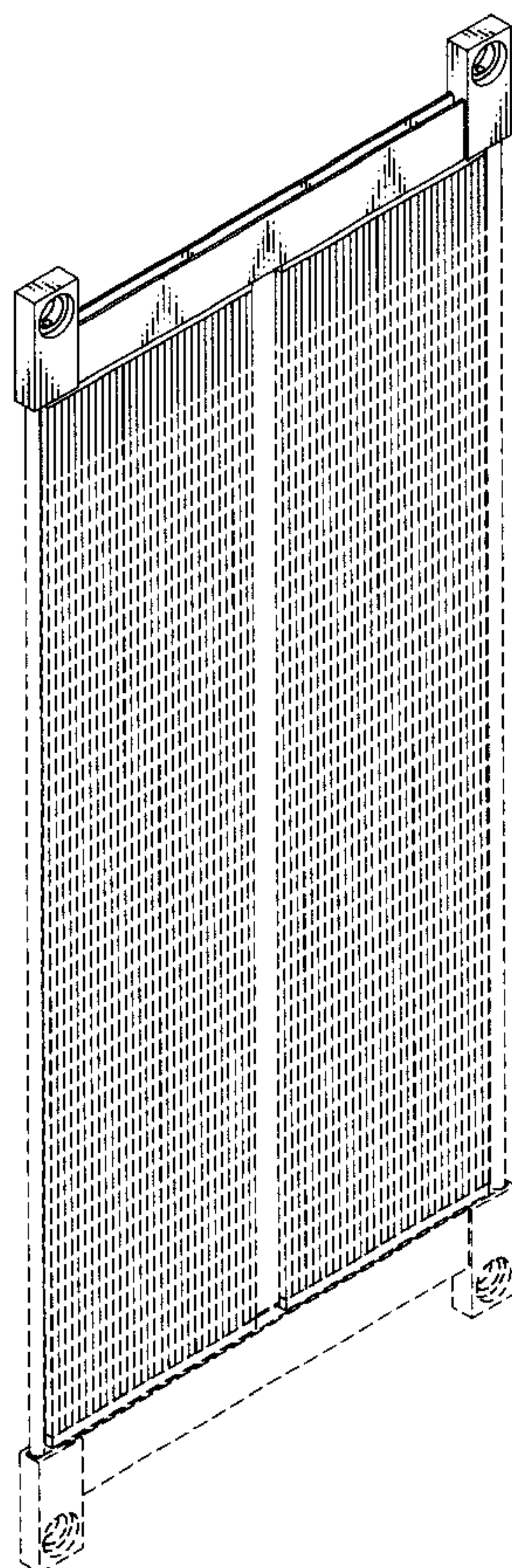


Fig. 1

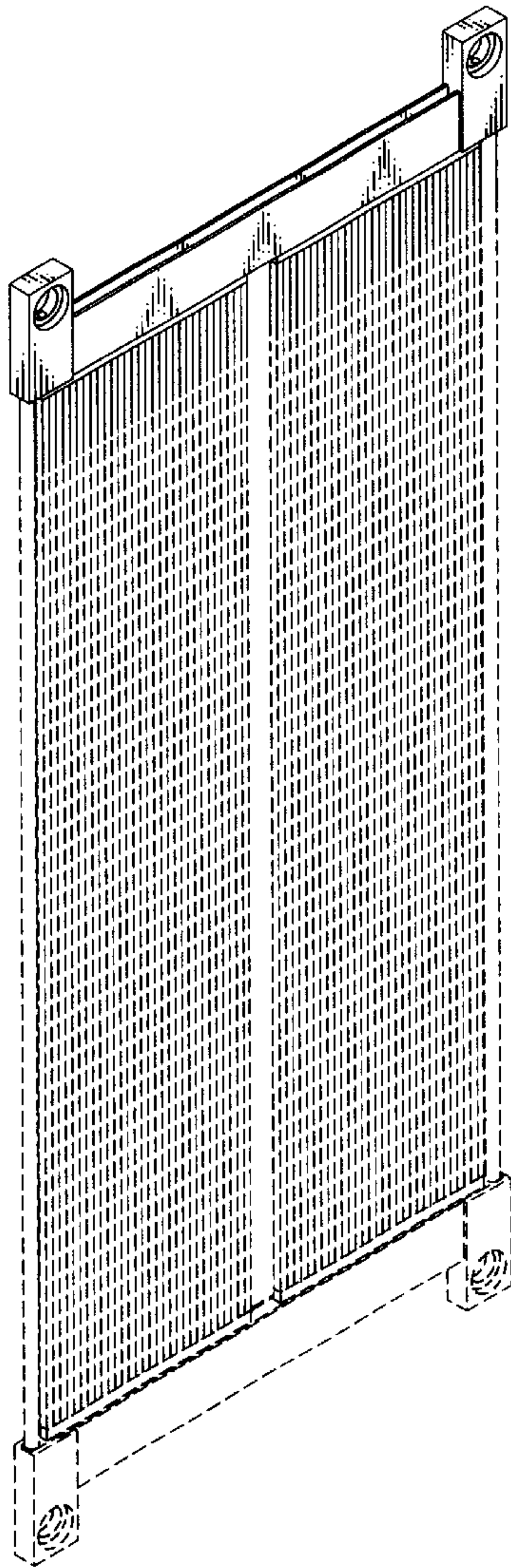


Fig. 2

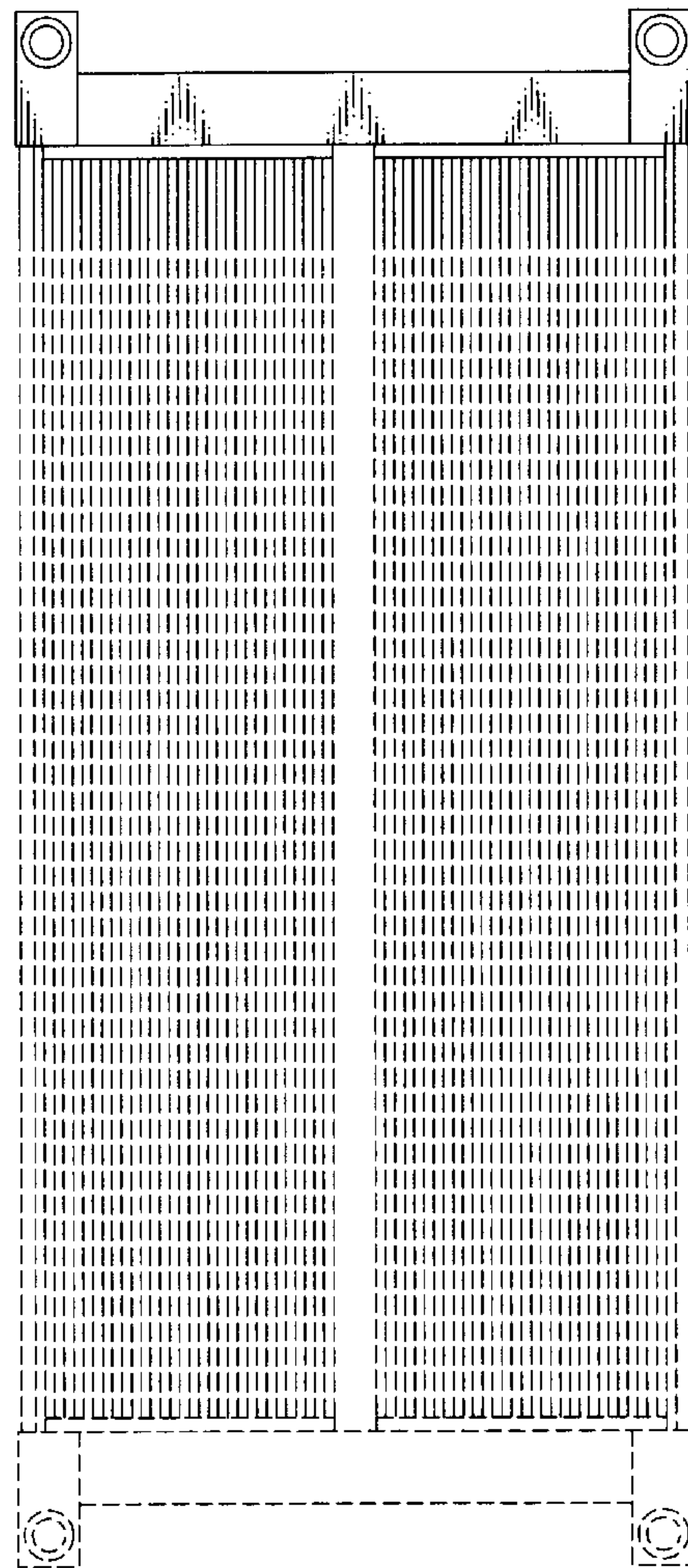


Fig.3

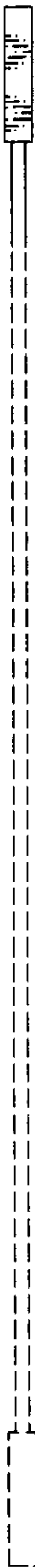


Fig.4

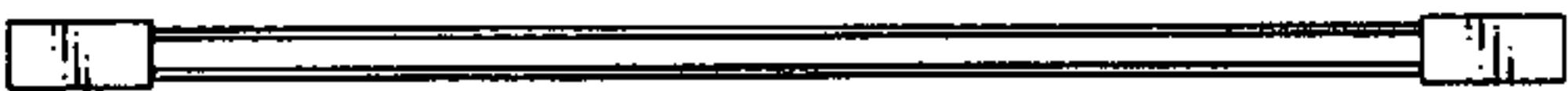


Fig.5

