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

(10) **Patent No.:** **US D706,903 S**  
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(54) **HOLLOW FIBER ELEMENT FOR FILTRATION**

FOREIGN PATENT DOCUMENTS

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\* cited by examiner

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(57) **CLAIM**

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

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

**DESCRIPTION**

(21) Appl. No.: **29/433,238**

(22) Filed: **Sep. 27, 2012**

(30) **Foreign Application Priority Data**

Mar. 30, 2012 (JP) ..... 2012-007564

(51) **LOC (10) Cl.** ..... **23-01**

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

(58) **Field of Classification Search**  
CPC ..... B01D 63/02  
USPC ..... D23/207, 209; 210/321.8, 321.88,  
210/323.2, 321.79, 500.23; 96/8  
See application file for complete search history.

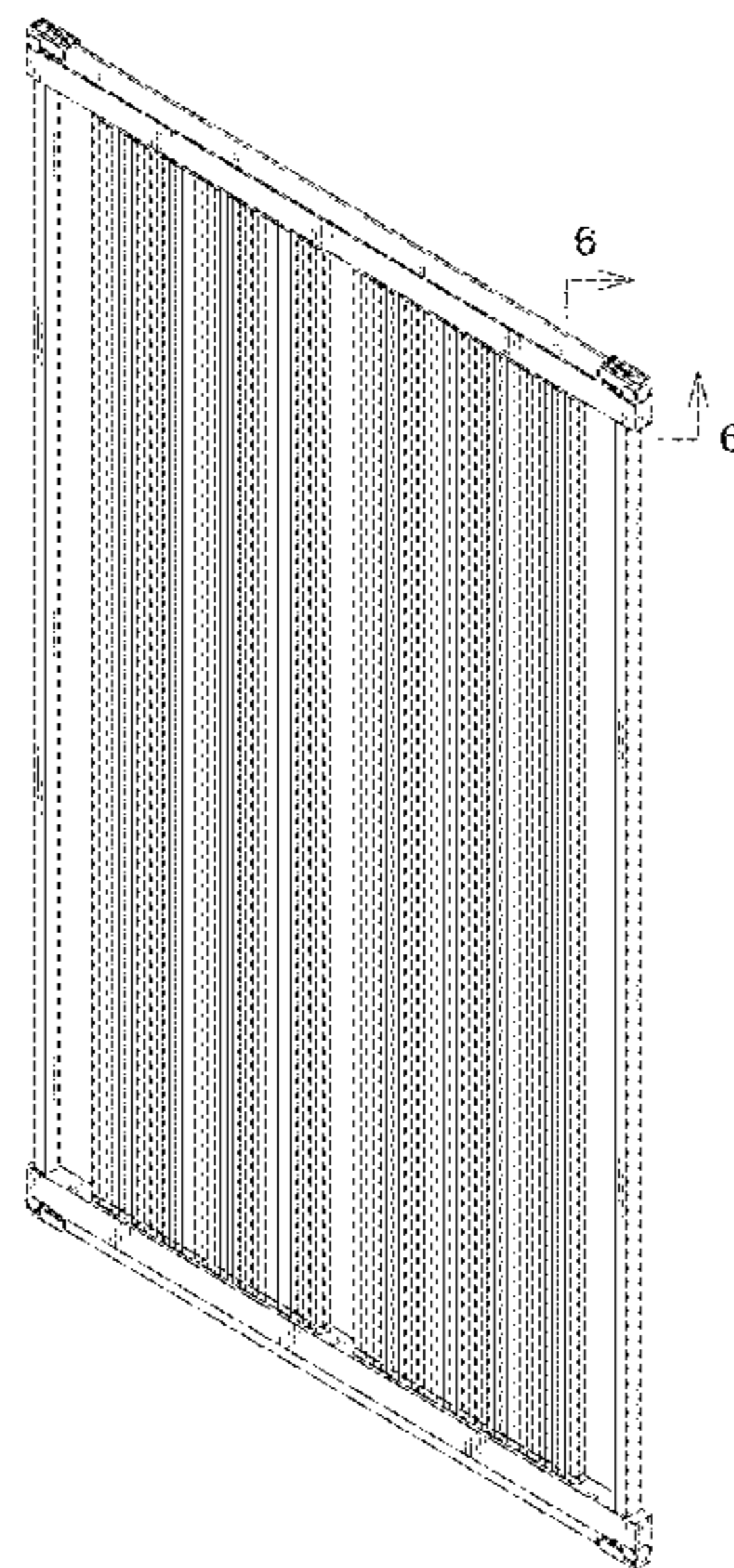
FIG. 1 is a perspective view of a hollow fiber element for filtration showing my new design;  
FIG. 2 is a front elevational view; the rear elevational view is the same as the front elevational view;  
FIG. 3 is a right side elevational view thereof; the left side elevational view is the same as the right side elevational view;  
FIG. 4 is a top plan view thereof;  
FIG. 5 is a bottom plan view thereof;  
FIG. 6 is an enlarged perspective view taken along line 6-6 and in the direction of arrows in FIG. 1;  
FIG. 7 is an enlarged front elevational view taken along line 7-7 and in the direction of arrows in FIG. 2;  
FIG. 8: is an enlarged front elevational view taken along line 8-8 and in the direction of arrows in FIG. 3;  
FIG. 9: is an enlarged front elevational view taken along line 9-9 and in the direction of arrows in FIG. 4;  
FIG. 10: is a cross-sectional view thereof taken in the direction of arrows 10-10 in FIG. 7; and,  
FIG. 11: is a cross-sectional view thereof taken in the direction of arrows 11-11 in FIG. 7.

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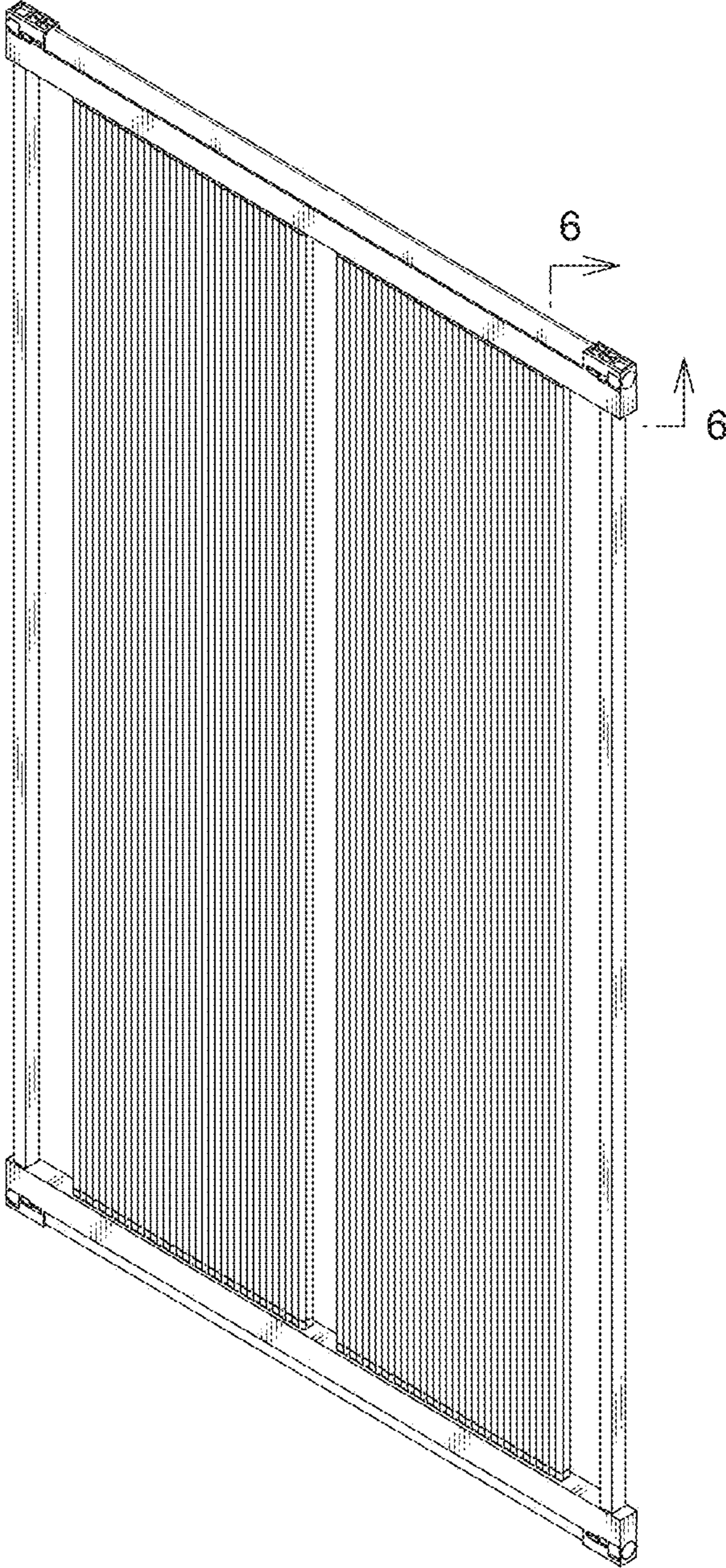
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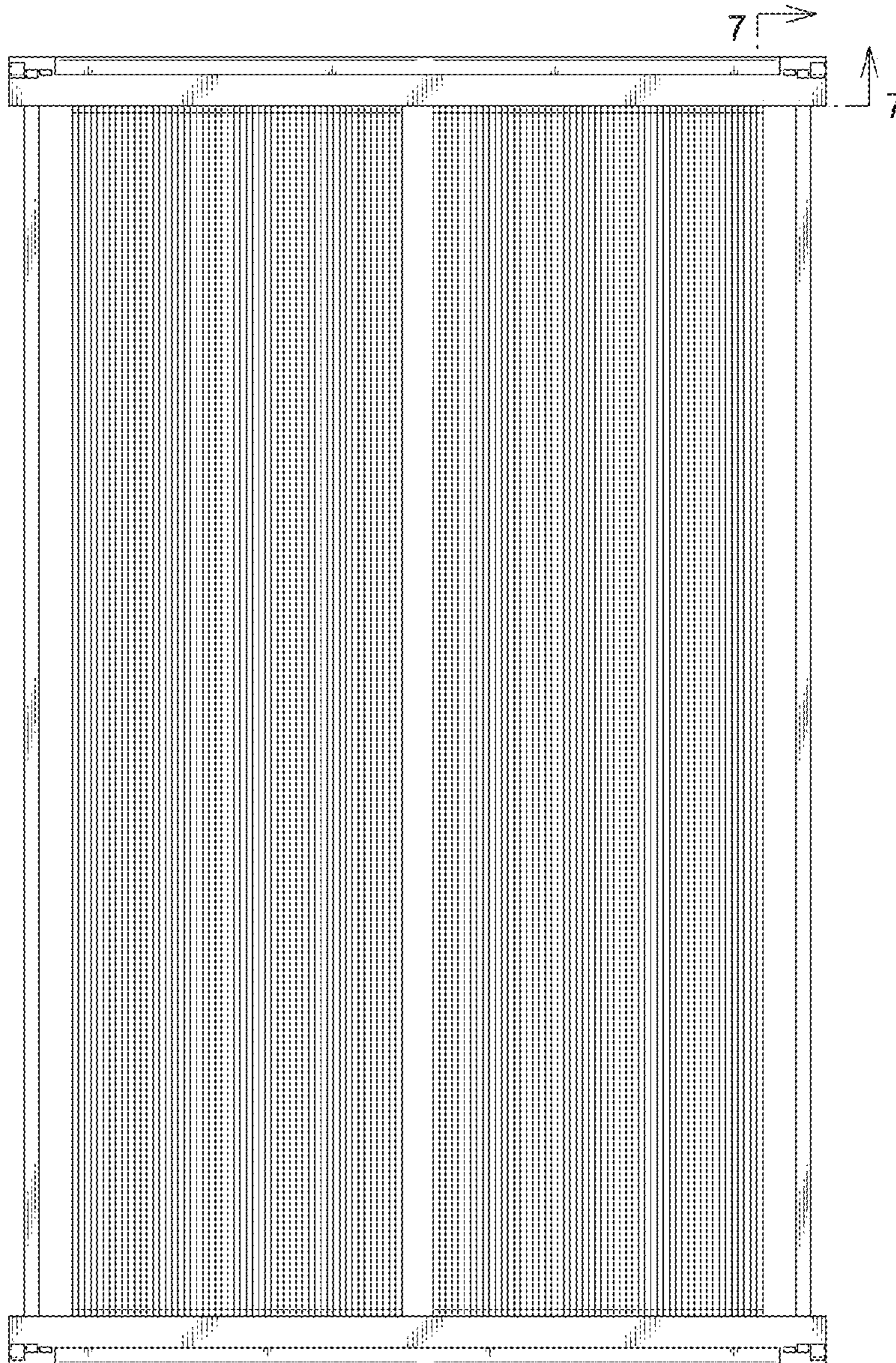
**1 Claim, 6 Drawing Sheets**



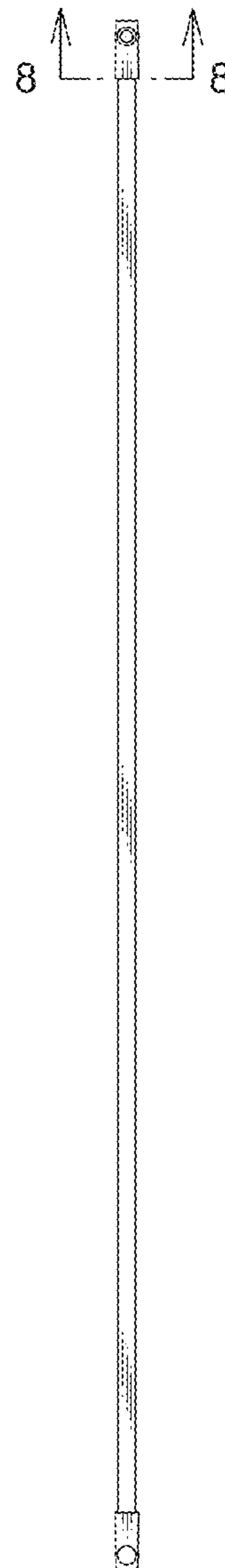
*Fig. 1*



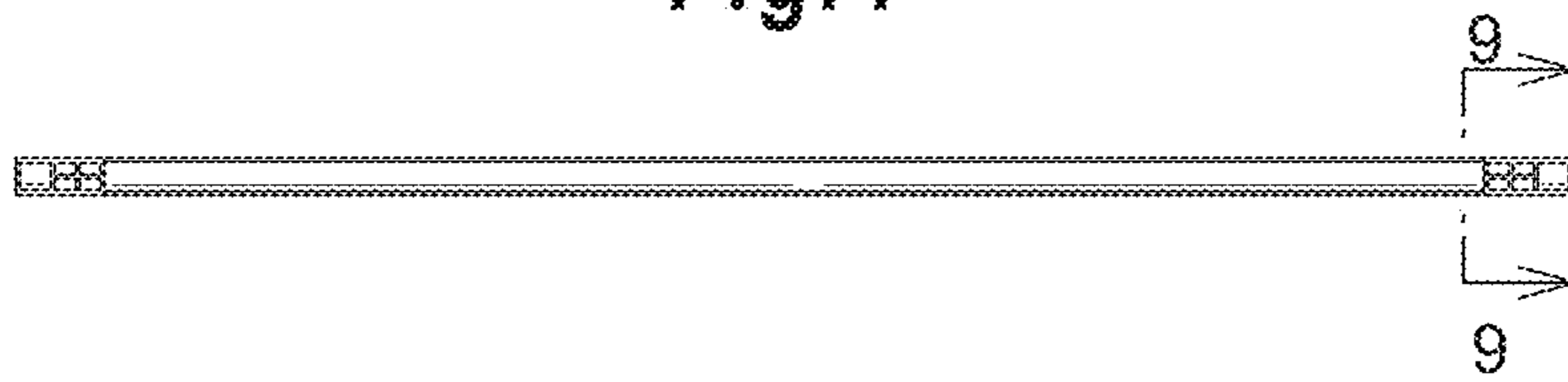
*Fig. 2*



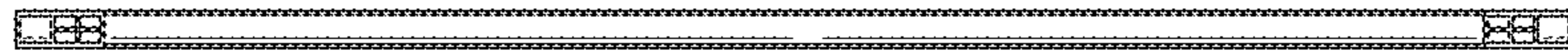
*Fig. 3*



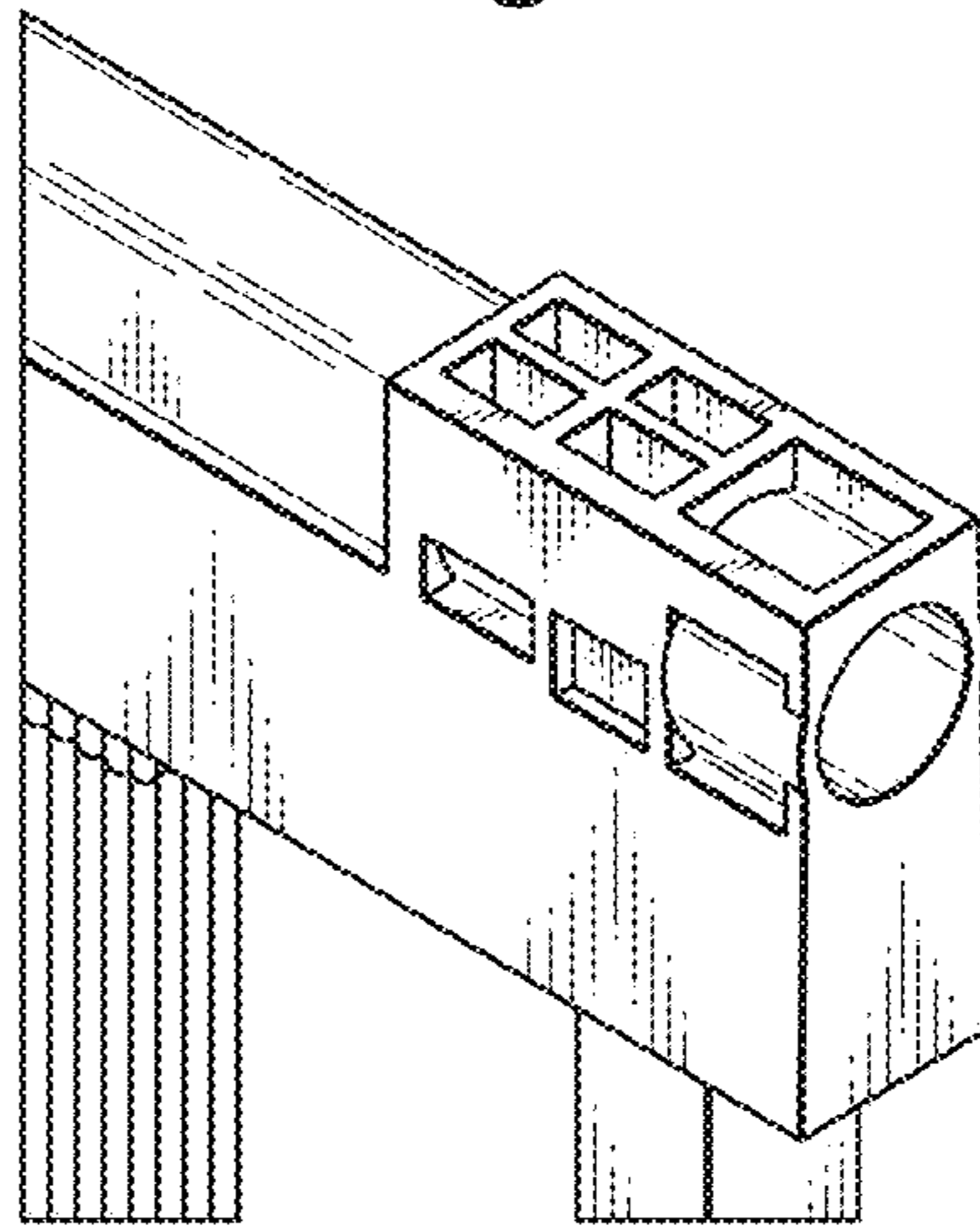
*Fig. 4*



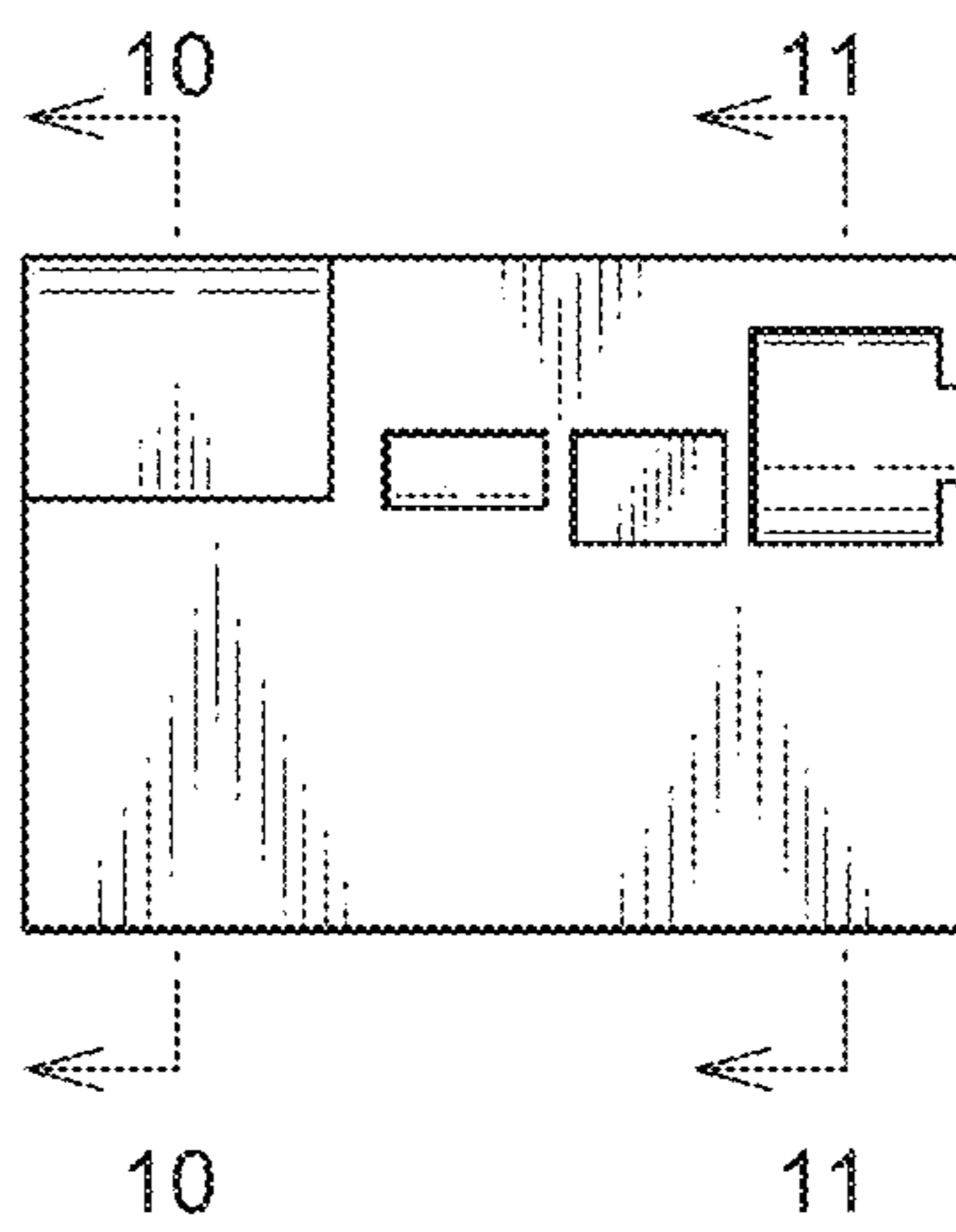
*Fig. 5*



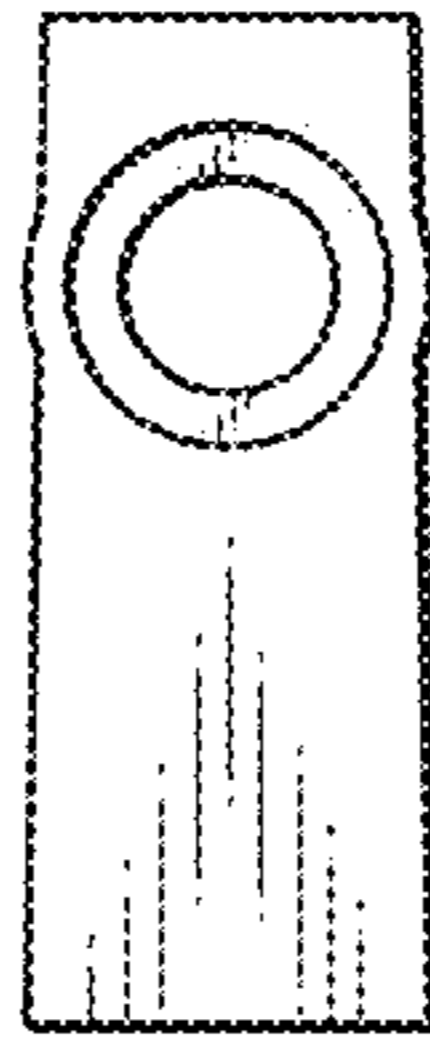
**Fig. 6**



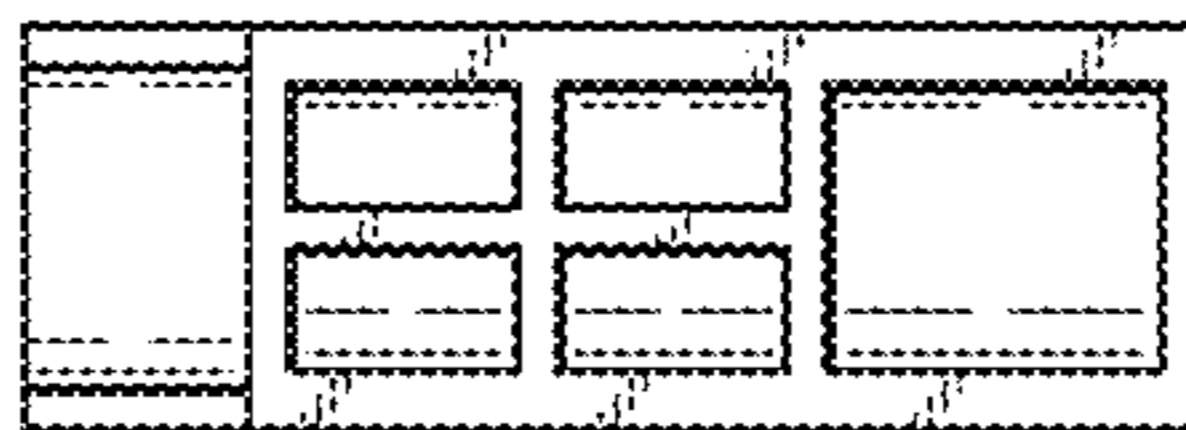
**Fig. 7**



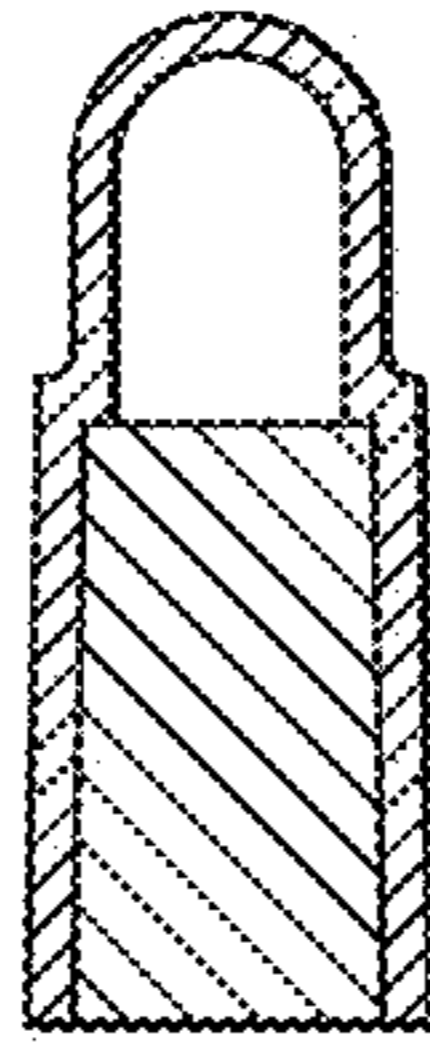
**Fig. 8**



**Fig. 9**



***Fig. 10***



***Fig. 11***

