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

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(54) **BATTERY PACK SPACER**

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(30) **Foreign Application Priority Data**

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(51) **LOC (7) Cl.** ..... **13-02**

(52) **U.S. Cl.** ..... **D13/119**

(58) **Field of Search** ..... D13/119; 429/129,  
429/148, 151, 159

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- 4,319,178 A \* 3/1982 Sugalski ..... 320/110
- D361,980 S \* 9/1995 Chen ..... D13/119
- 5,866,276 A \* 2/1999 Ogami et al. .... 429/148
- 6,174,618 B1 \* 1/2001 Nishiyama et al. .... 429/159

- 6,479,187 B1 \* 11/2002 Takasaki et al. .... 429/157
- 6,498,406 B1 \* 12/2002 Høriuchi et al. .... 307/150
- 2001/0046624 A1 \* 11/2001 Goto et al. .... 429/99
- 2003/0017383 A1 \* 1/2003 Ura et al. .... 429/120

**FOREIGN PATENT DOCUMENTS**

- JP D1039559 5/1999
- JP D1167633 3/2003

\* cited by examiner

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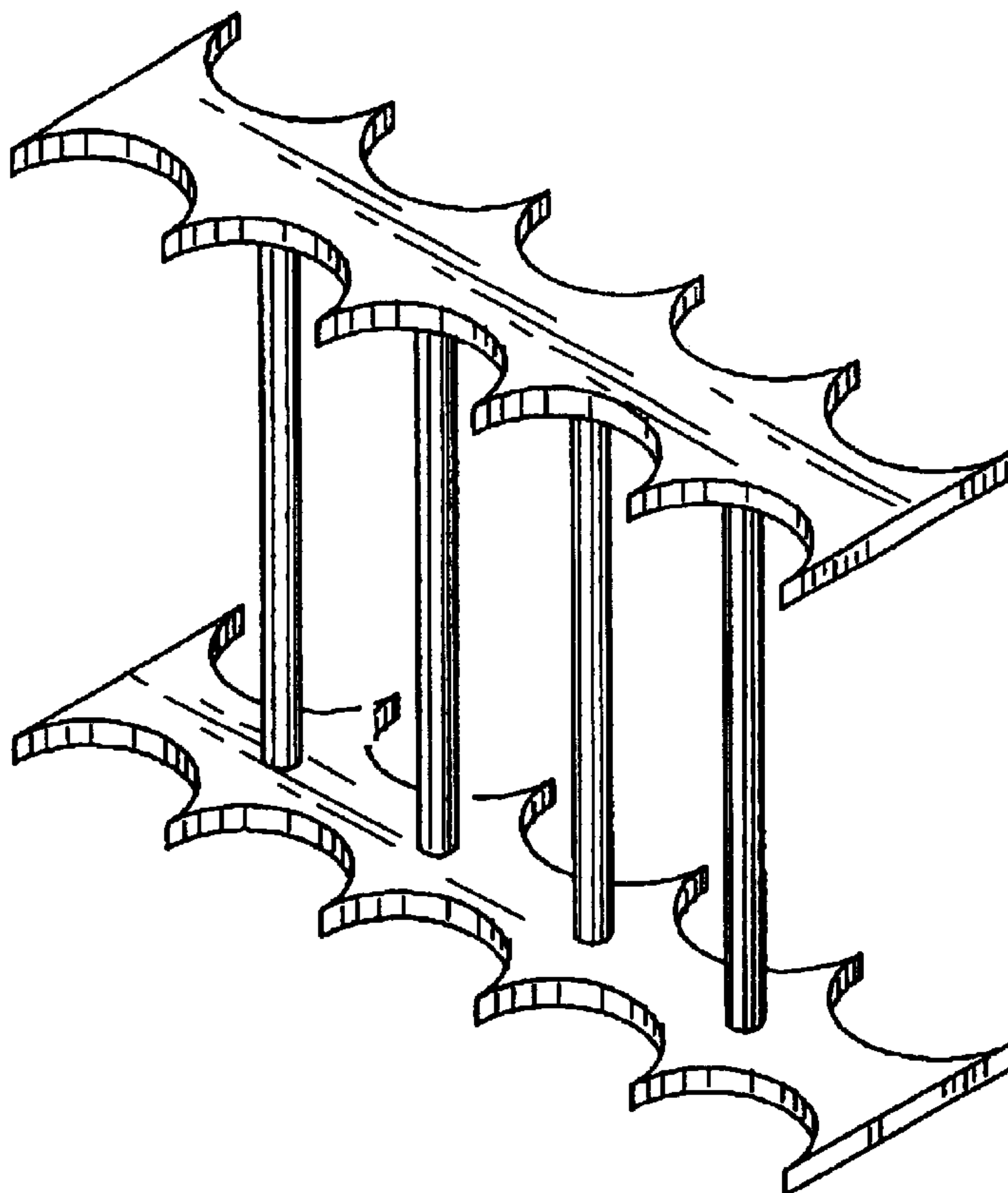
(57) **CLAIM**

The ornamental design for a battery pack spacer, as shown and described.

**DESCRIPTION**

FIG. 1 is a top perspective view of a battery pack spacer of the present invention;  
 FIG. 2 is a first side view thereof;  
 FIG. 3 is a second side view thereof;  
 FIG. 4 is a top view thereof;  
 FIG. 5 is a bottom view thereof;  
 FIG. 6 is a third side view thereof; and,  
 FIG. 7 is a fourth side view thereof.

**1 Claim, 2 Drawing Sheets**



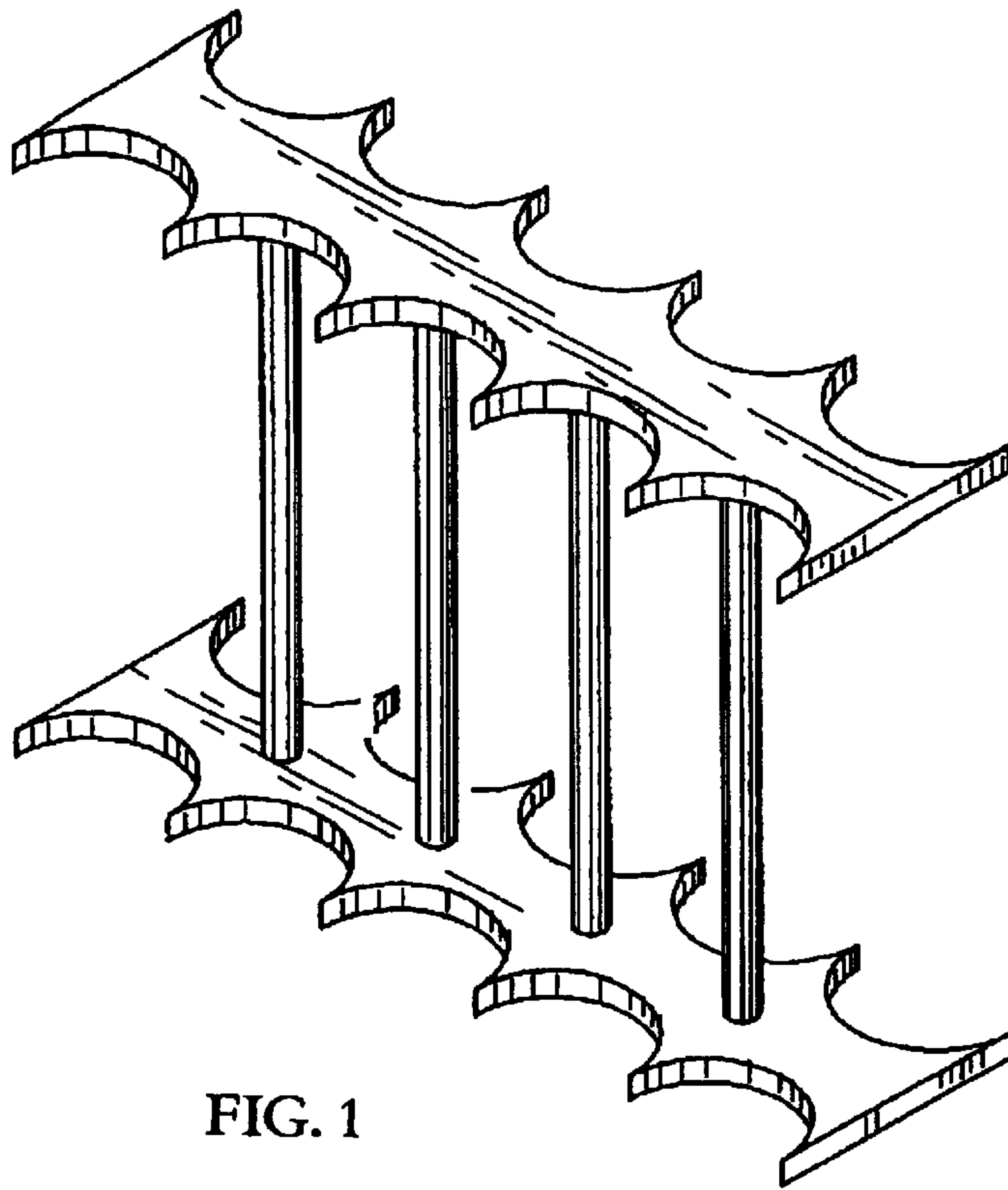


FIG. 1

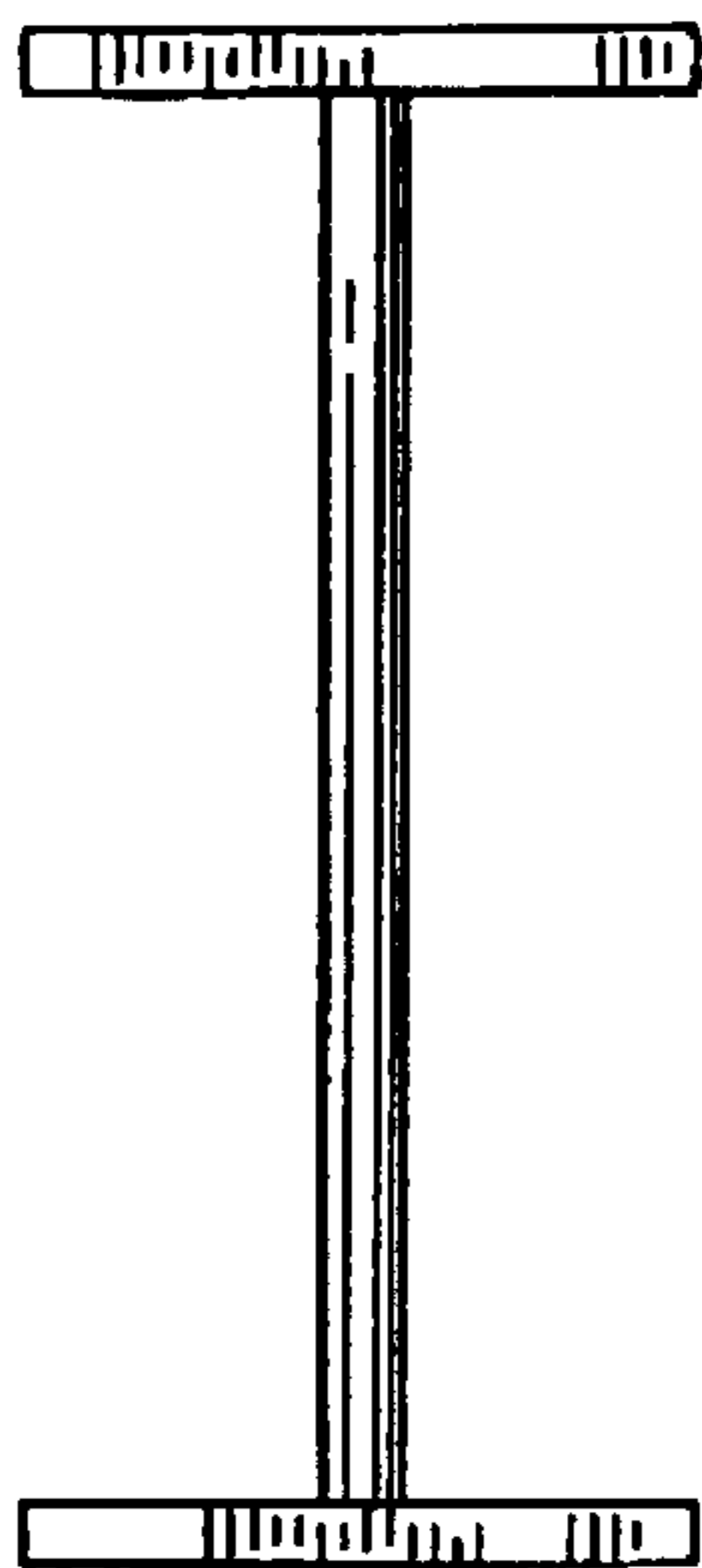


FIG. 2

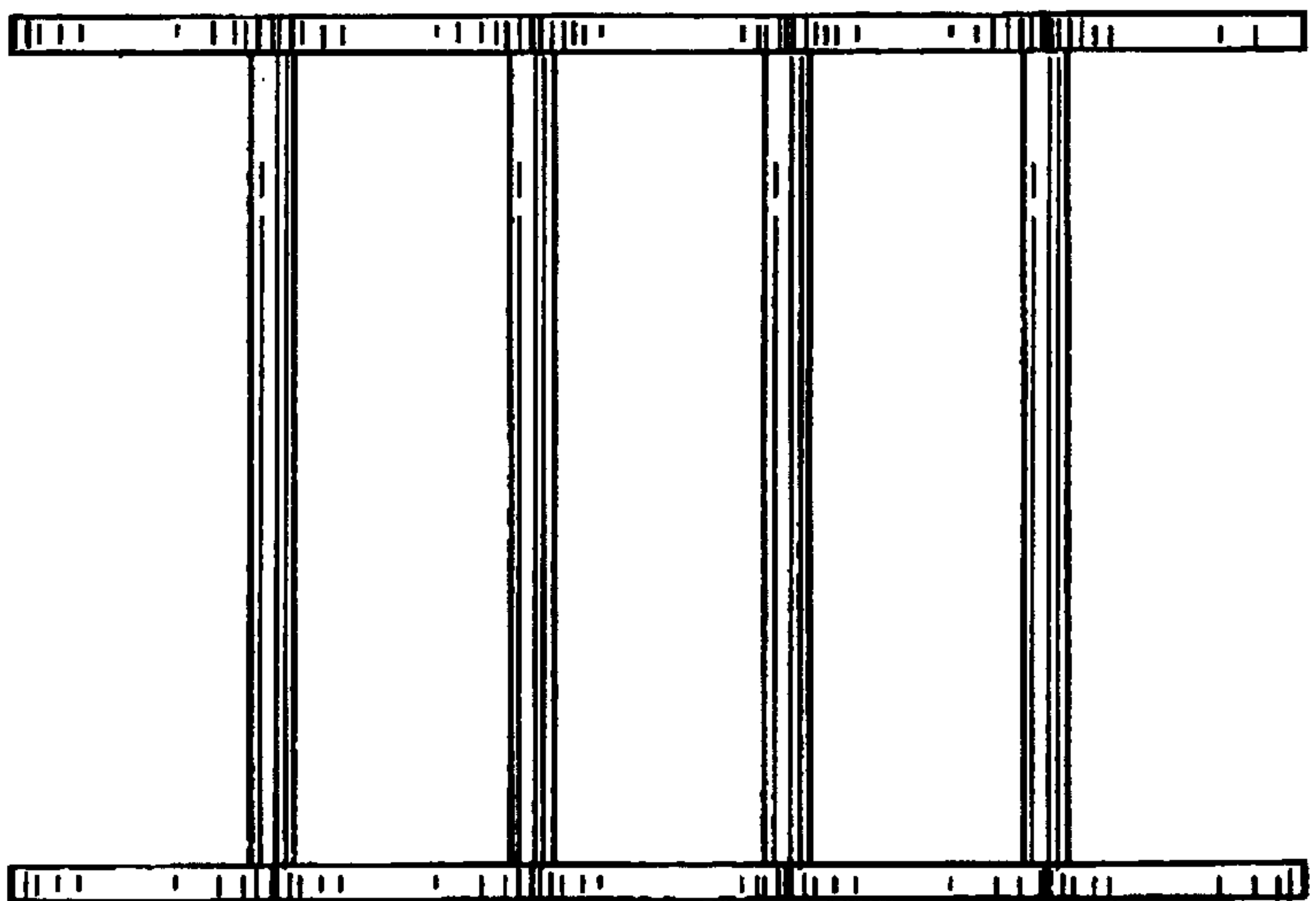


FIG. 3

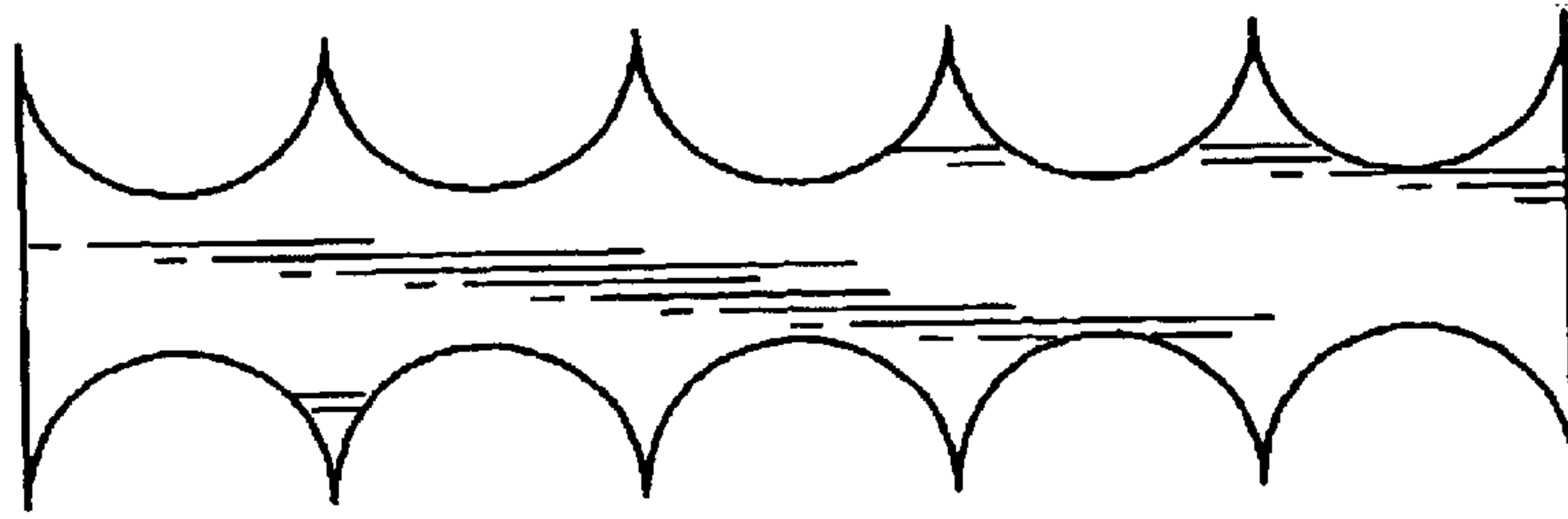


FIG. 4

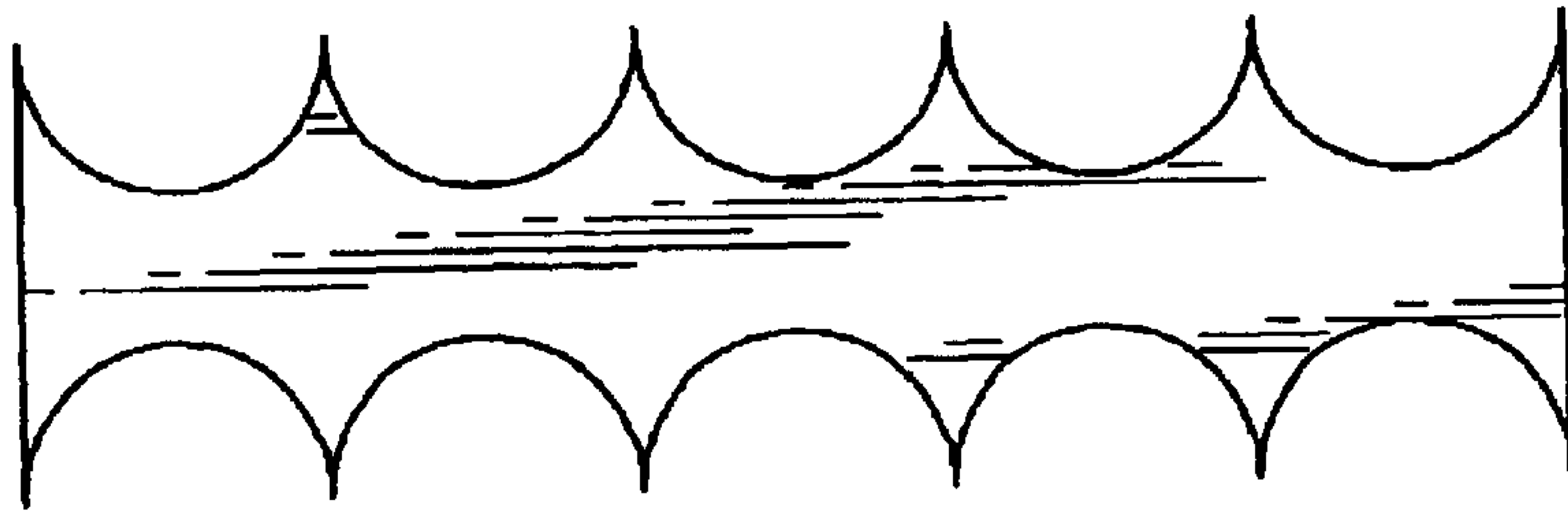


FIG. 5

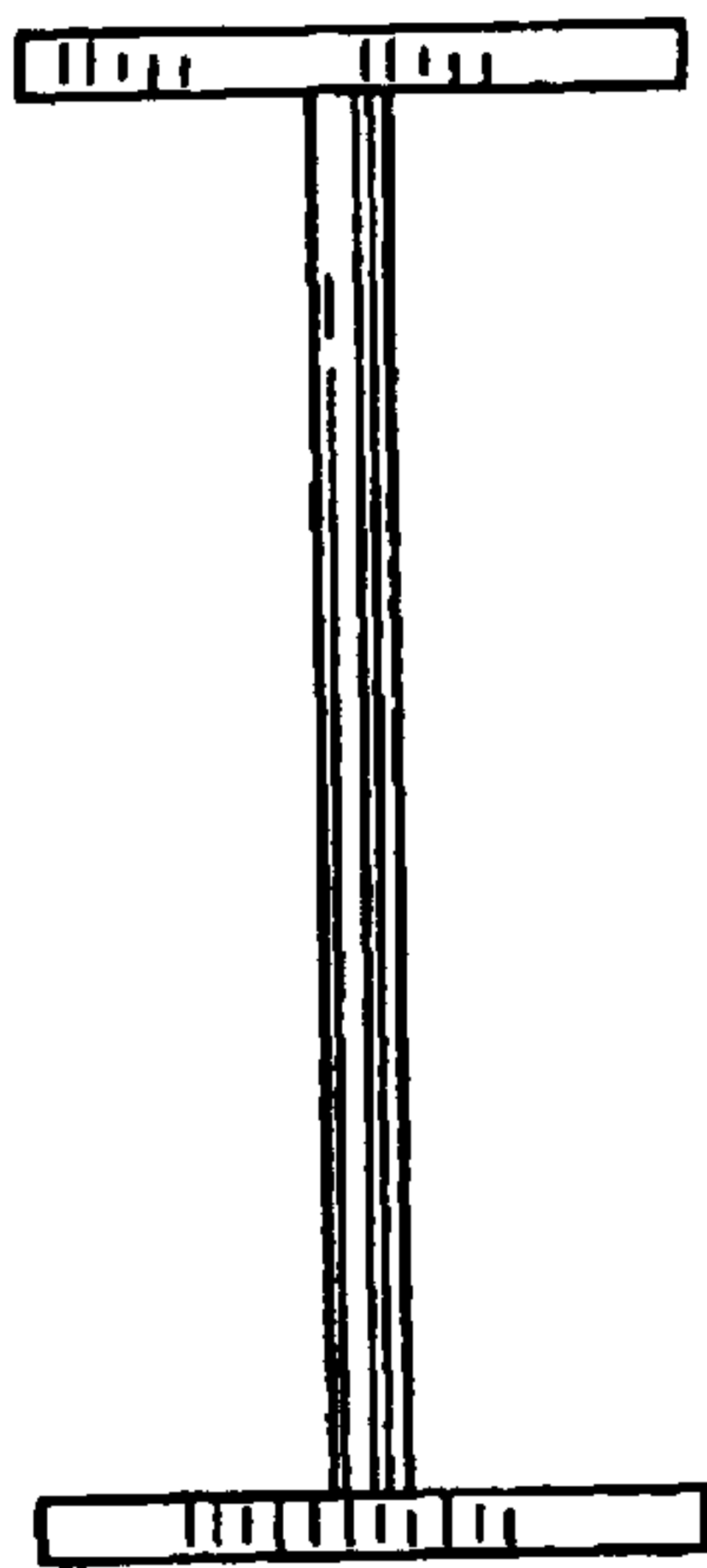


FIG. 6

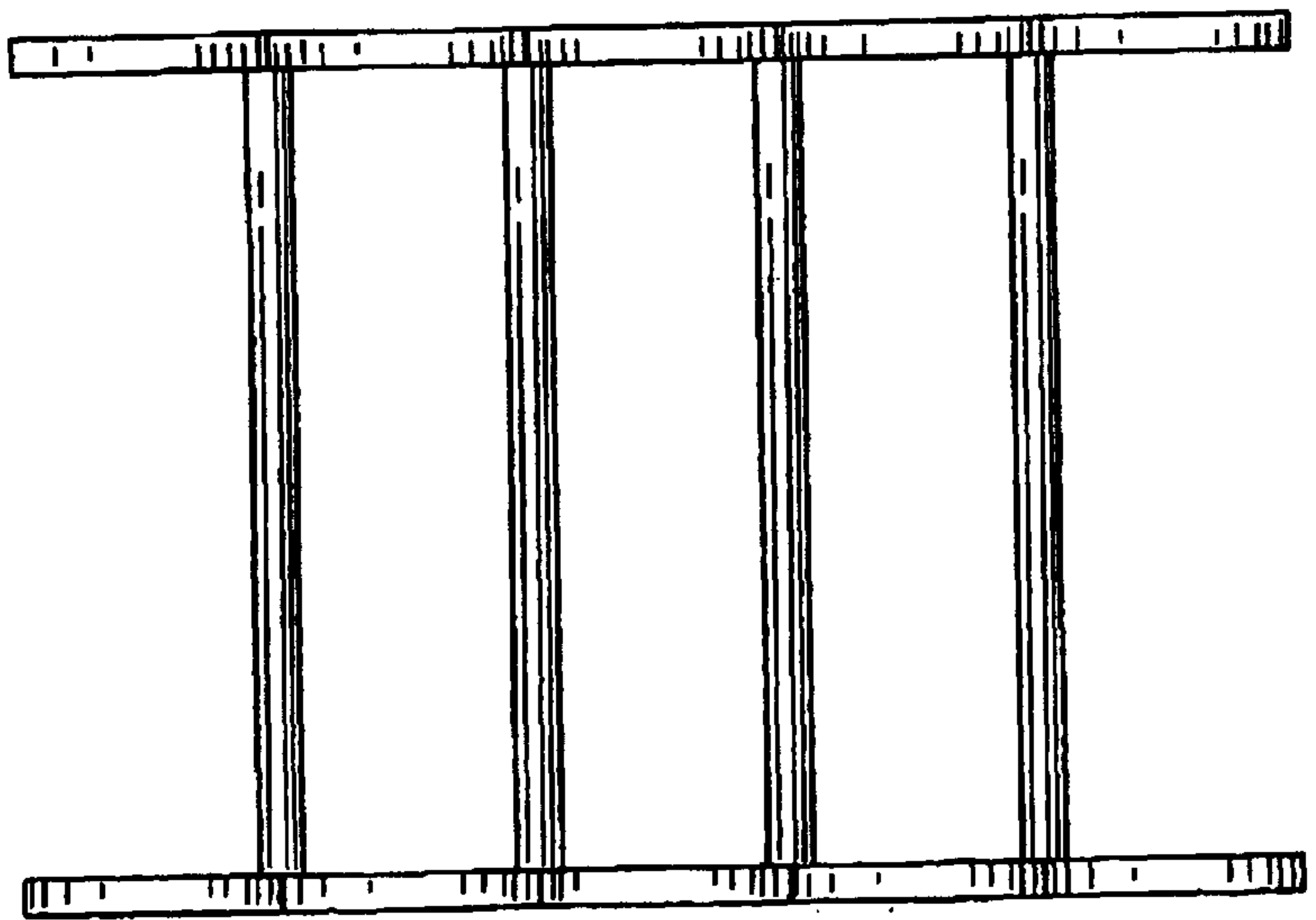


FIG. 7