



US00D347639S

# United States Patent [19]

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Fast et al.

[45] Date of Patent: **\*\* Jun. 7, 1994**

[54] **DIAPHRAGM PUMP**

3,849,033 11/1974 Schan ..... 417/454

[75] Inventors: **Kelly Fast, Bryan; John R. Shafer, Archibold; Thomas E. Burton, Bryan, all of Ohio**

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[73] Assignee: **The ARO Corporation, Bryan, Ohio**

[57] **CLAIM**

[\*\*] Term: **14 Years**

The ornamental design for a diaphragm pump, as shown and described.

[21] Appl. No.: **278**

**DESCRIPTION**

[22] Filed: **Oct. 13, 1992**

FIG. 1 is a front view of a diaphragm pump showing our design;

[52] U.S. Cl. .... **D15/7**

FIG. 2 is a left side view;

[58] Field of Search ..... **407/393, 394, 395-397, 407/427; D15/7, 9**

FIG. 3 is a right side view;

FIG. 4 is a top view; and,

FIG. 5 is a bottom view.

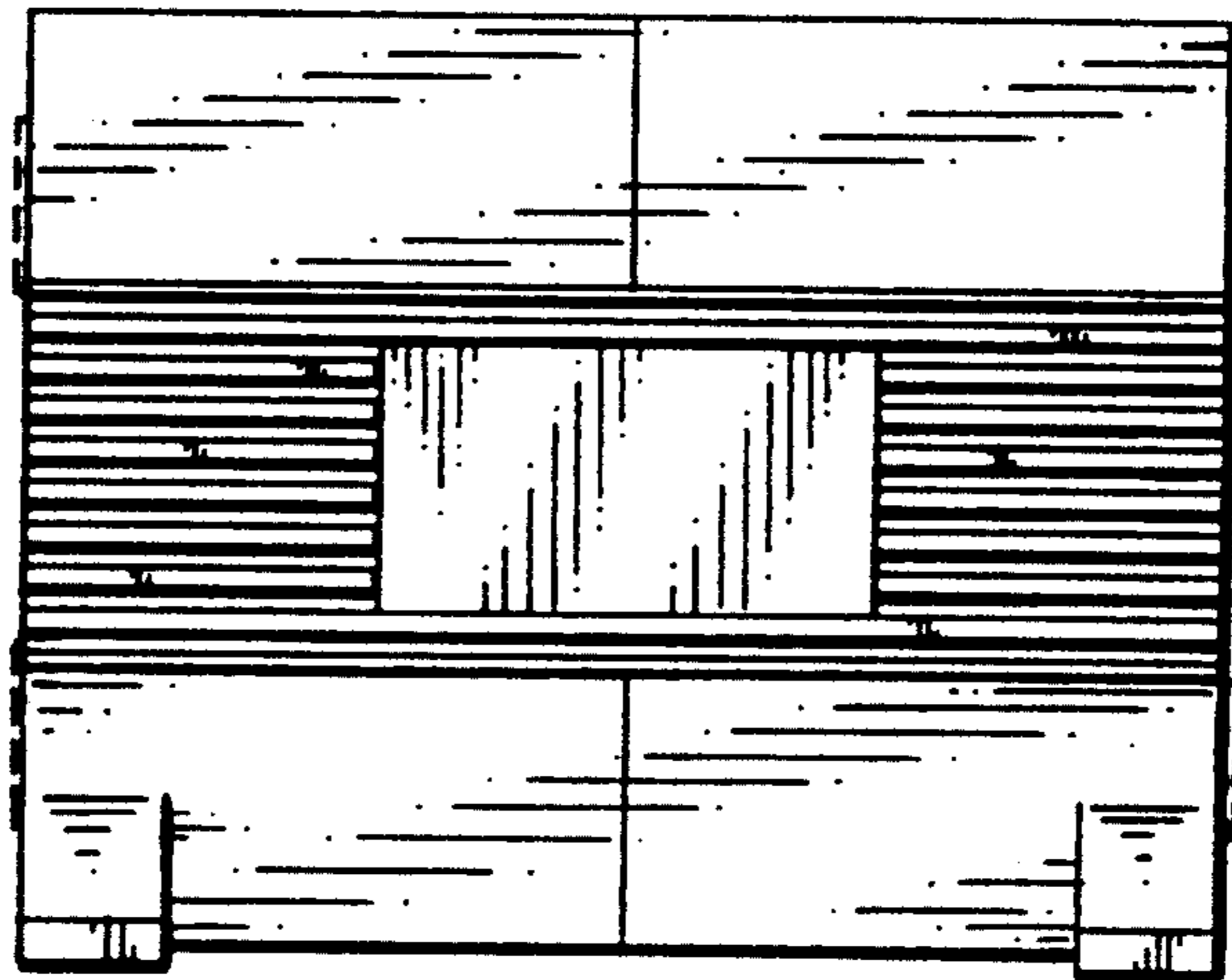
[56] **References Cited**

The back view is identical to the front view.

**U.S. PATENT DOCUMENTS**

The broken line showing of four sets of circles in FIG. 2, two sets of circles in FIG. 3 and their corresponding side views in FIGS. 1, 4 and 5 as well as the mounting slots in FIGS. 2, 3, and 5 are for illustrative purposes only and forms no part of the claimed design.

- D. 294,947 3/1988 Wilden ..... D15/7
- D. 306,447 3/1990 Whitley II ..... D15/7
- D. 335,292 5/1993 Schnell ..... D15/7
- 3,782,863 11/1974 Rupp ..... 417/393



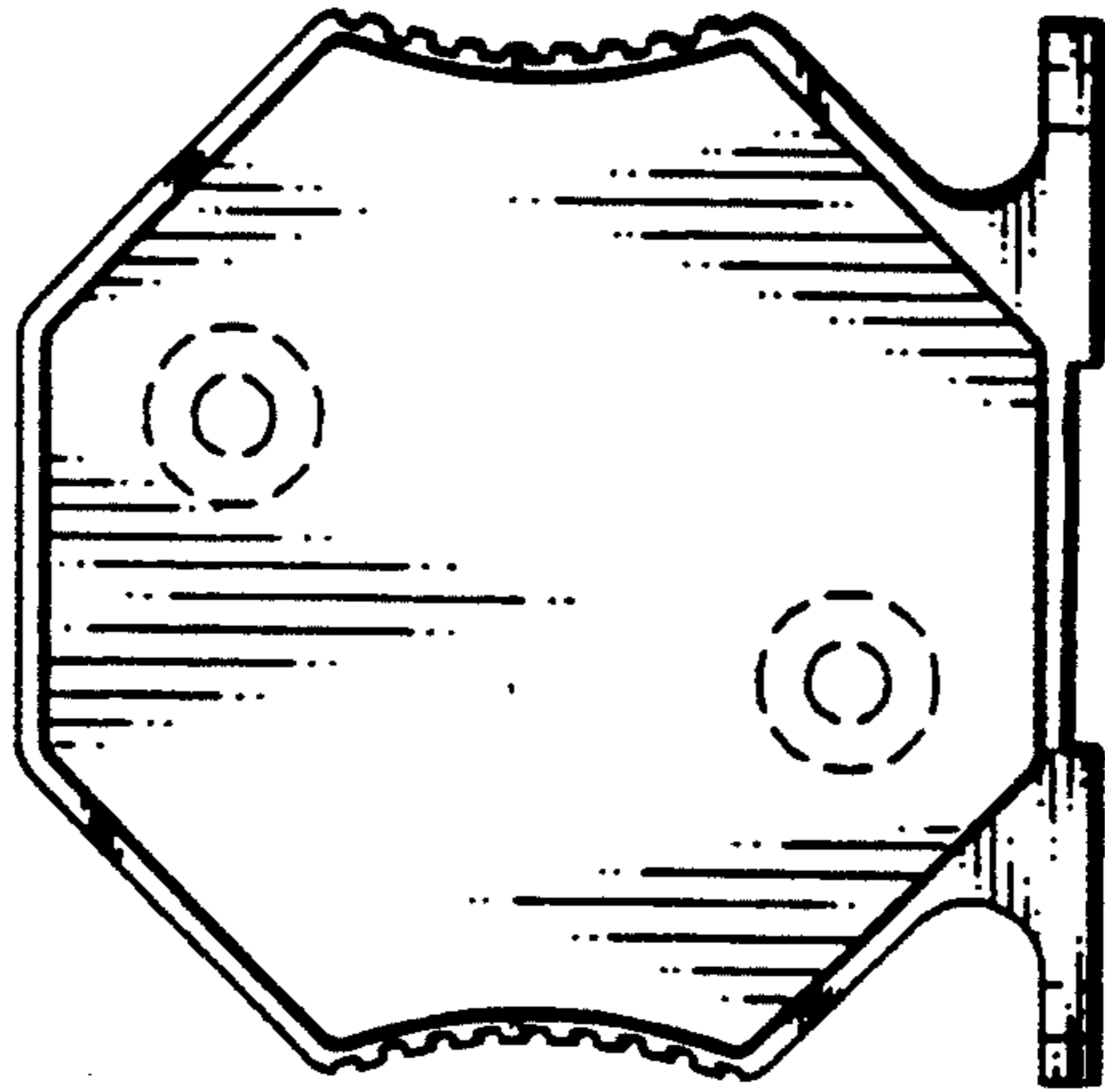


FIG. 3

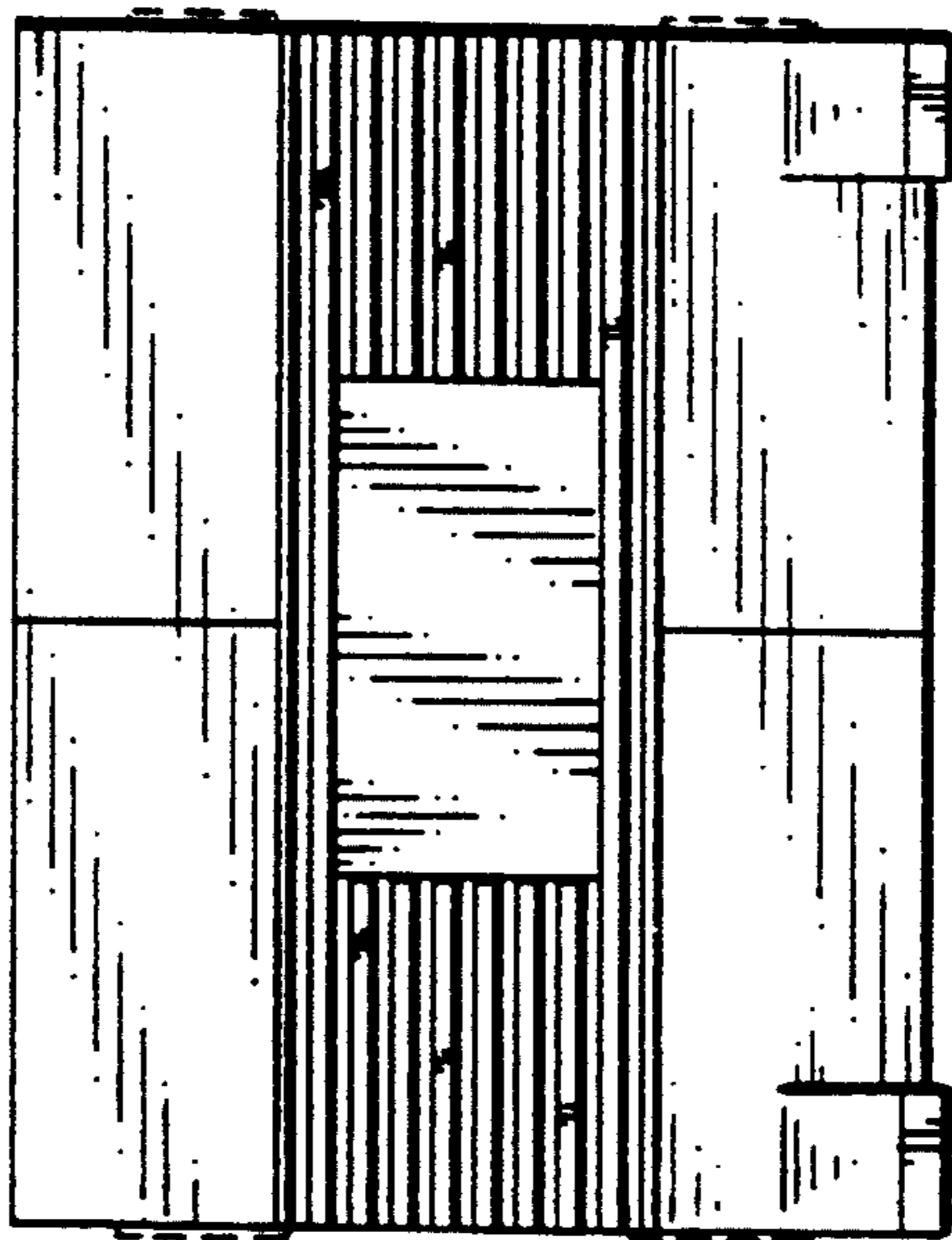


FIG. 1

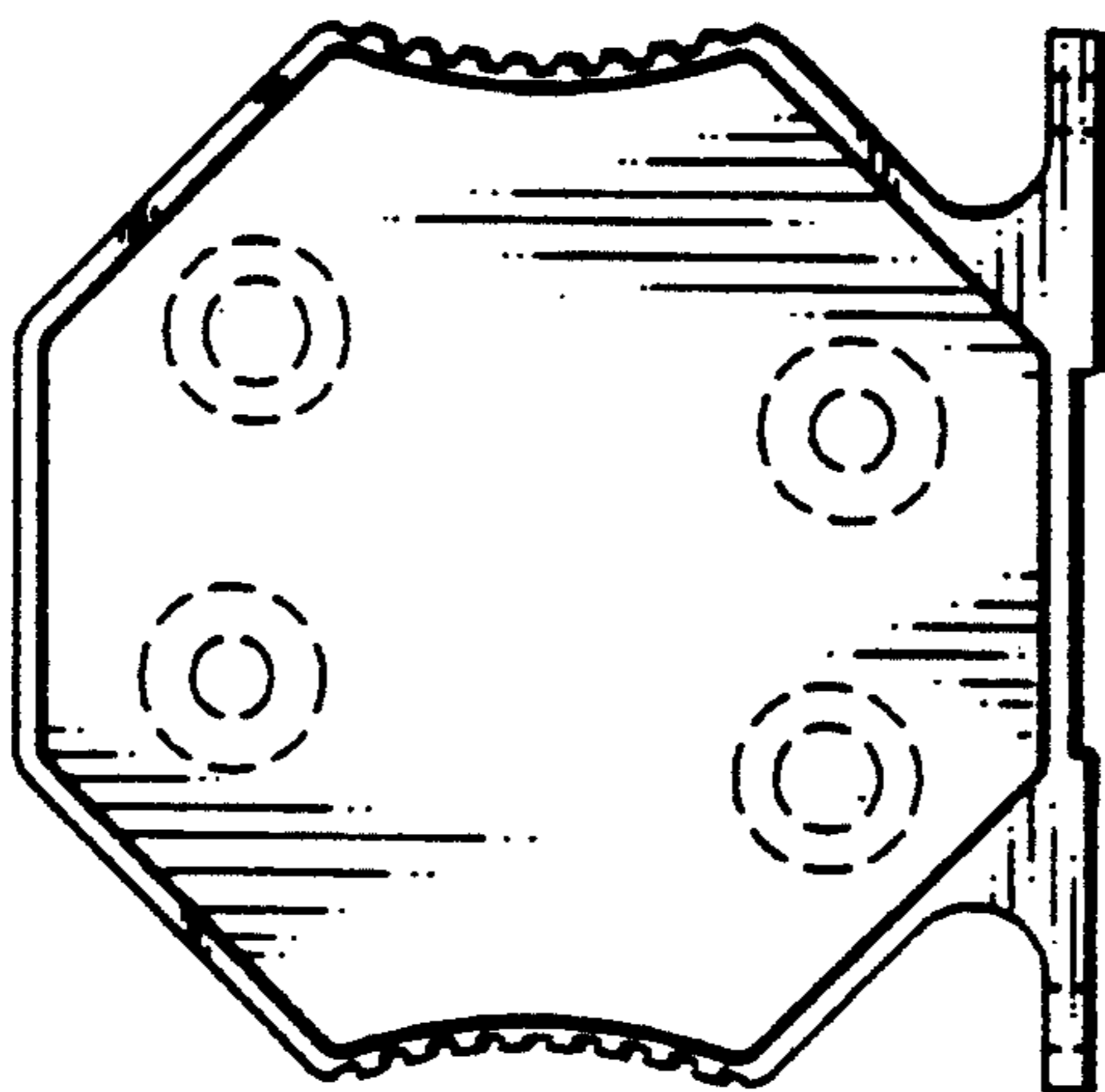


FIG. 2

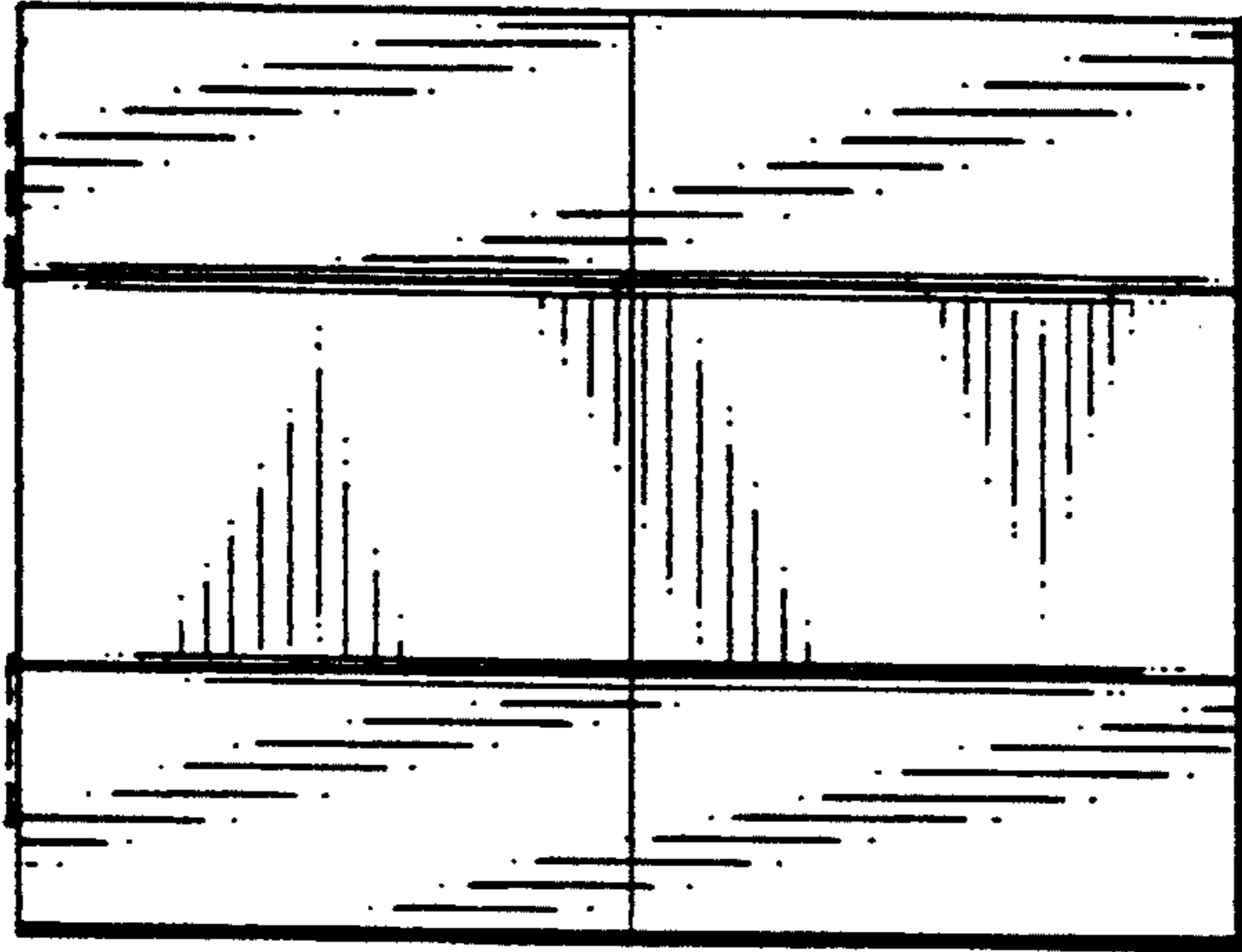


FIG. 4

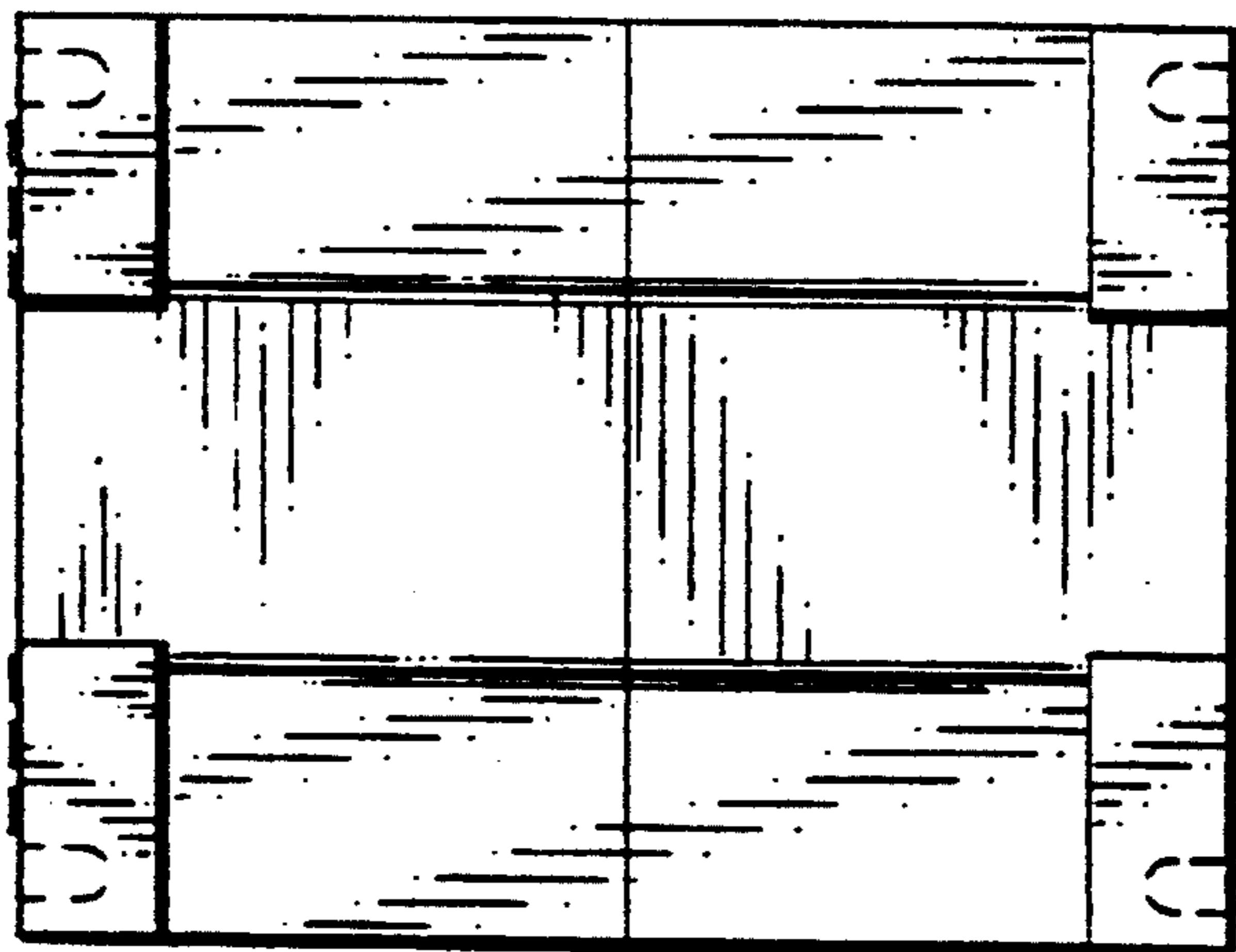


FIG. 5