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(12) **United States Design Patent**
Dugas

(10) **Patent No.:** **US D479,828 S**

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(54) **INSIDE-OUT HEAT SINK**

OTHER PUBLICATIONS

(75) Inventor: **Roger Dugas**, Chester, NH (US)

Press Release JARO Intros Honeycomb™ BGA Heat Sink, Nov. 2002, 2 pages.

(73) Assignee: **Xanoptix, Inc.**, Merrimack, NH (US)

Honeycomb Heat Sink Drawing, Nov. 1, 2001, 1 page.

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

* cited by examiner

(21) Appl. No.: **29/172,257**

Primary Examiner—Philip S. Hyder

(22) Filed: **Dec. 9, 2002**

Assistant Examiner—Selina Sikder

(51) **LOC (7) Cl.** **13-03**

(74) *Attorney, Agent, or Firm*—Morgan & Finnegan, LLP

(52) **U.S. Cl.** **D13/179**

(58) **Field of Search** D13/179; 165/80.3,
165/80.4; 174/16.3; 257/714; 361/697,
702, 704, 718

(57) **CLAIM**

I claim the ornamental design for an inside-out heat sink, as shown and described.

(56) **References Cited**

DESCRIPTION

U.S. PATENT DOCUMENTS

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D449,587 S	*	10/2001	Cronin	D13/179

FIG. 1 is a perspective view illustrating the top, front and right side of a design for the inside out heat sink;

FIG. 2 is a top plan view thereof;

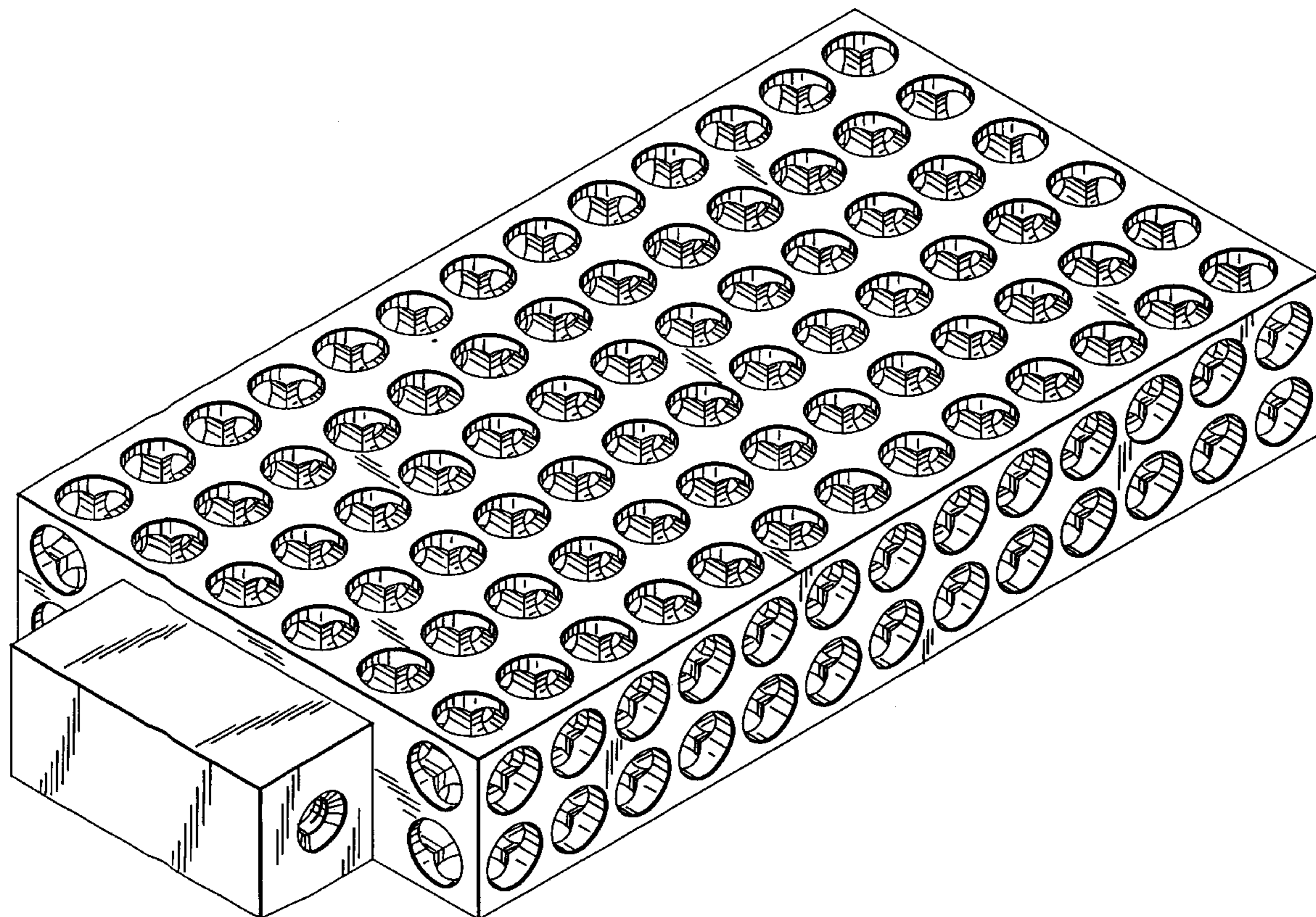
FIG. 3 is a right side elevational view thereof, with the opposite side being a mirror image;

FIG. 4 is a front elevational view thereof;

FIG. 5 is a rear elevational view thereof; and,

FIG. 6 is a bottom plan view thereof.

1 Claim, 3 Drawing Sheets



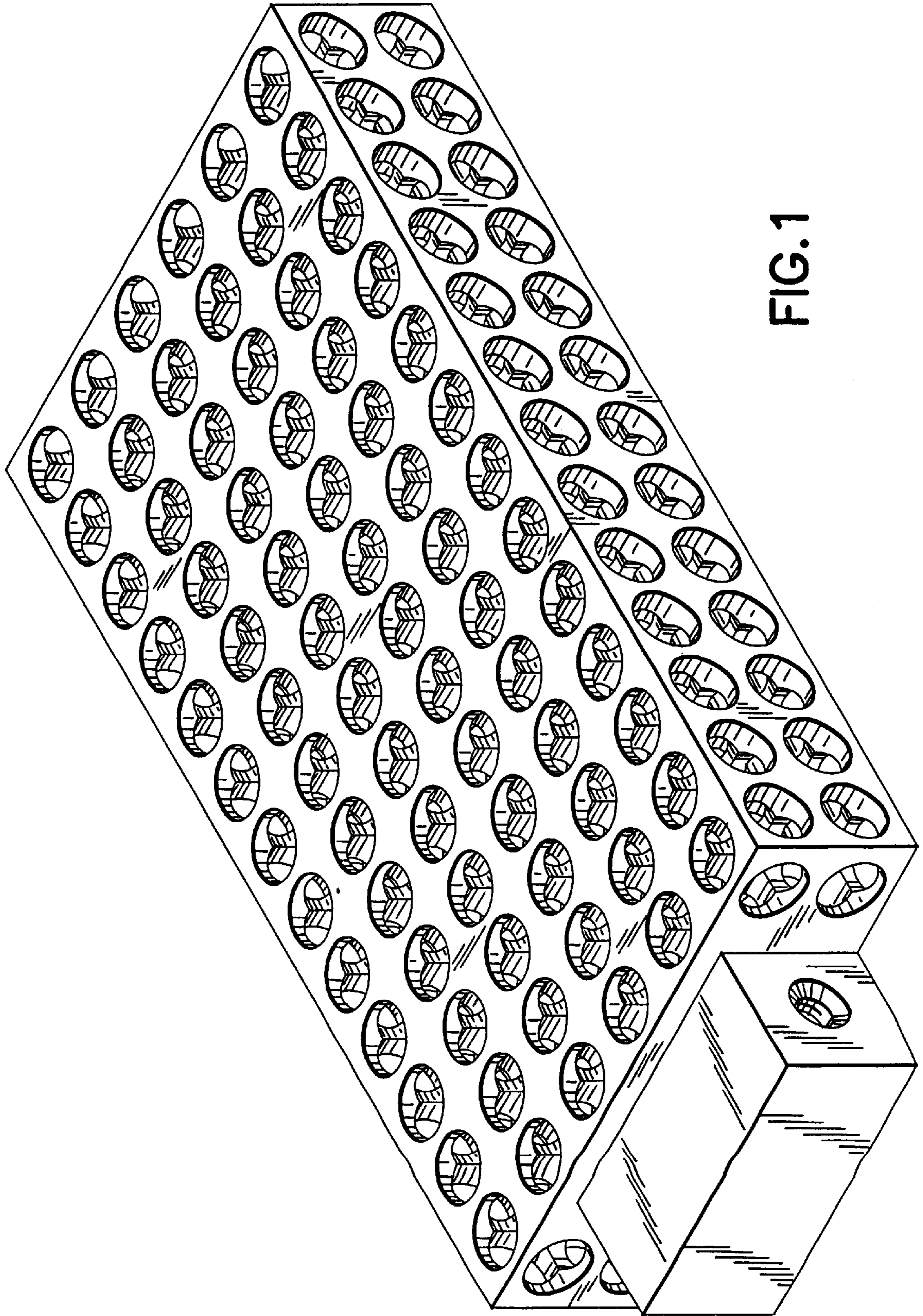


FIG. 1

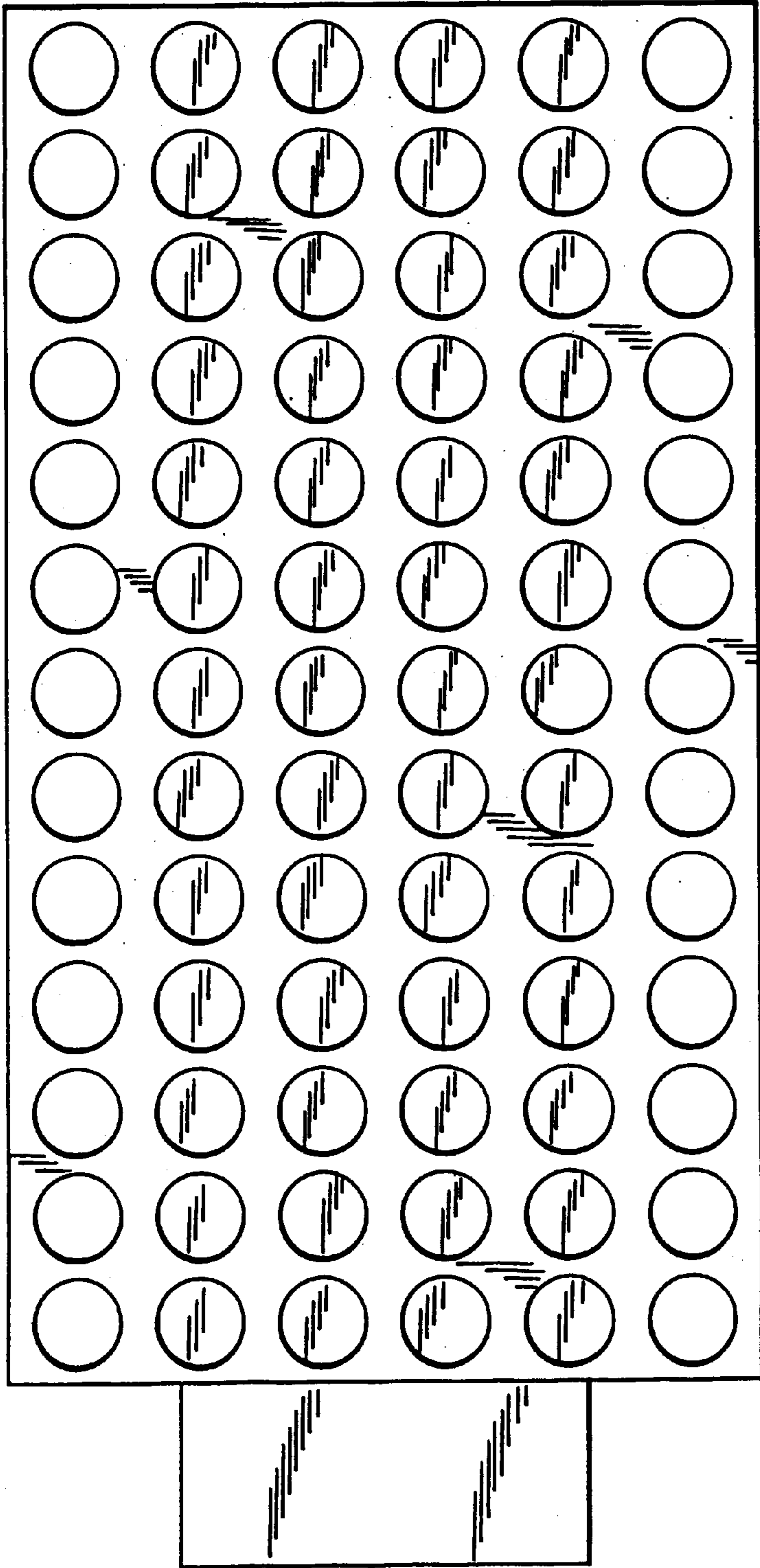


FIG. 2

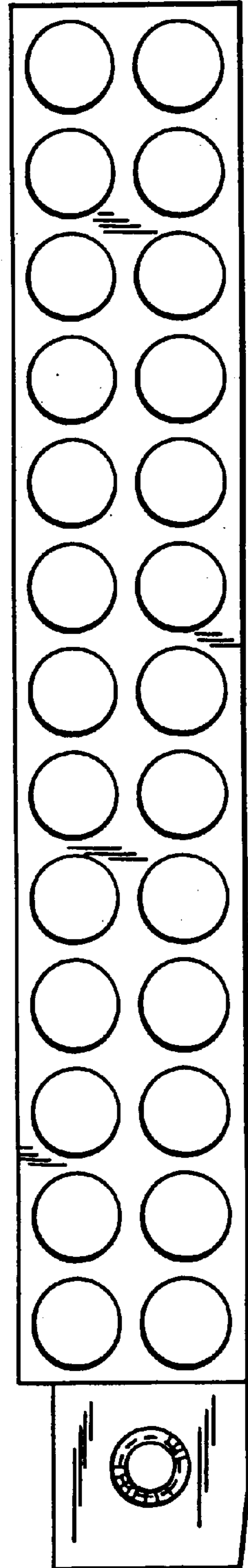


FIG. 3

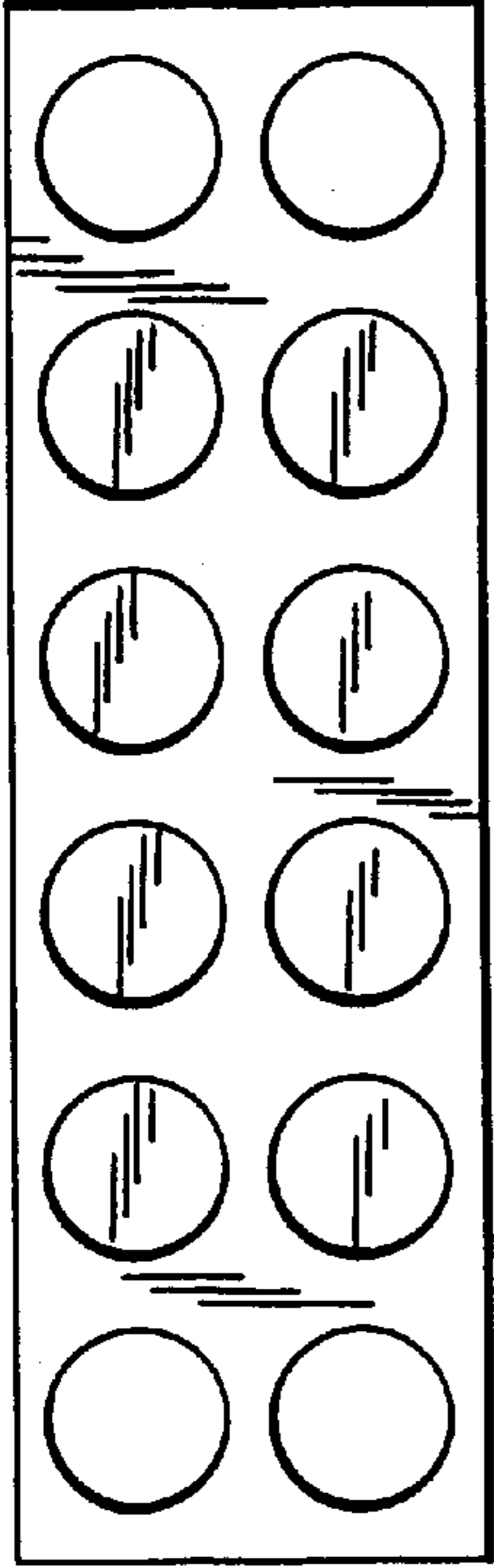


FIG. 5

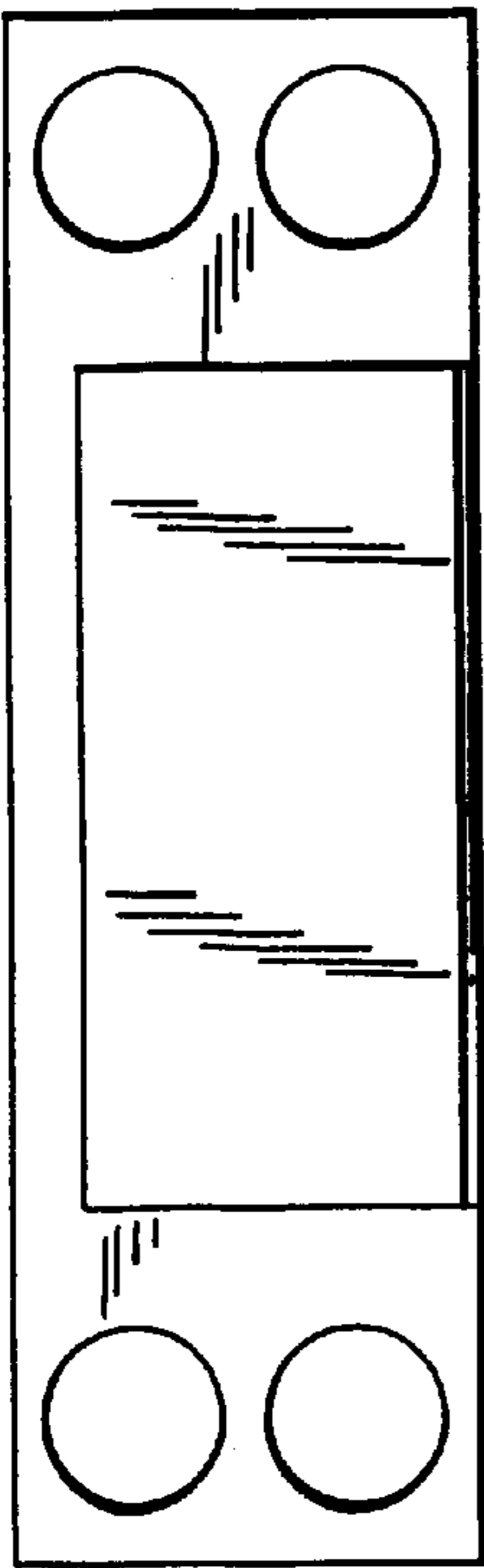


FIG. 4

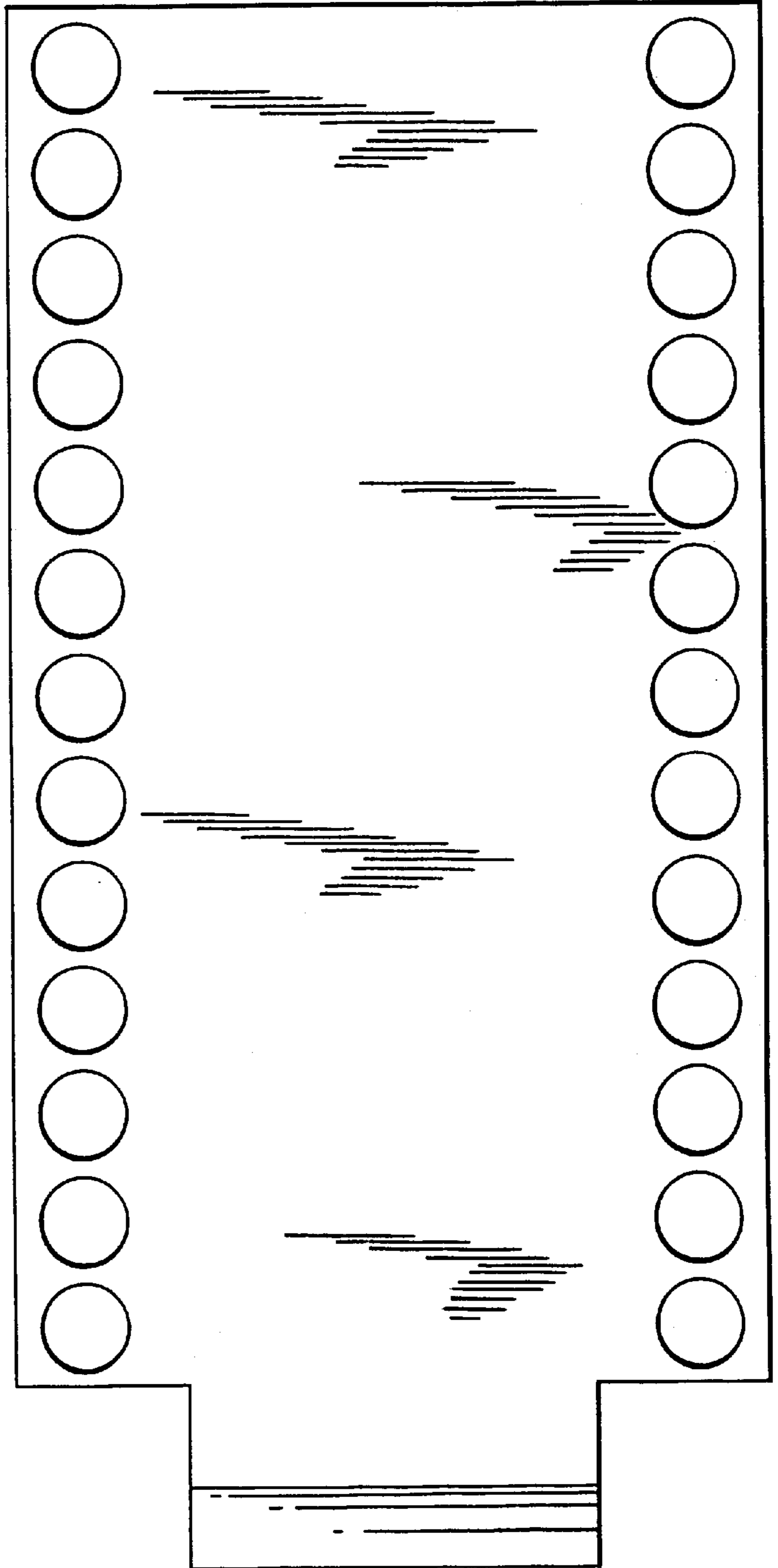


FIG. 6