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

(10) **Patent No.:** **US D879,544 S**  
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(54) **MULTIPURPOSE SOLAR DRYING TRAY ASSEMBLY**

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(73) Assignee: **Purdue Research Foundation**, West Lafayette, IN (US)

(\*\*) Term: **15 Years**

(21) Appl. No.: **29/650,725**

(22) Filed: **Jun. 8, 2018**

(51) **LOC (12) Cl.** ..... **07-02**

(52) **U.S. Cl.**

USPC ..... **D7/359**; D7/354

(58) **Field of Classification Search**

USPC ..... D3/313-314, 323; D7/323, 354-361, D7/409, 543, 545, 549, 550.1, D7/553.1-553.8, 554.1-554.4, 555, 584, D7/586, 688; D9/430-433, 455-456, D9/737, 756-762; D11/155

CPC .. A21B 3/00; A21B 3/003; A21B 3/13; A21B 3/15; A21B 3/134; A21B 5/00; A21B 5/02; A47J 36/022; A47J 36/025; A47J 36/027; A47J 37/00; A47J 37/01; A47J

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(57) **CLAIM**

The ornamental design for a multipurpose solar drying tray assembly, as shown and described.

**DESCRIPTION**

This invention was made with government support under Contract No. AID-OAA-L-14-00003 awarded by the U.S. Agency for International Development. The government has certain rights in the invention.

FIG. 1 is a perspective view of a multipurpose solar drying tray assembly comprising a tray and a cover in accordance with this invention.

FIG. 2 is a right elevational end view of the multipurpose solar drying tray assembly of FIG. 1.

FIG. 3 is a left elevational end view of the multipurpose solar drying tray assembly of FIG. 1.

FIG. 4 is a rear elevational view of the multipurpose solar drying tray assembly of FIG. 1.

FIG. 5 is a front elevational view of the multipurpose solar drying tray assembly of FIG. 1.

FIG. 6 is a top view of the multipurpose solar drying tray assembly of FIG. 1.

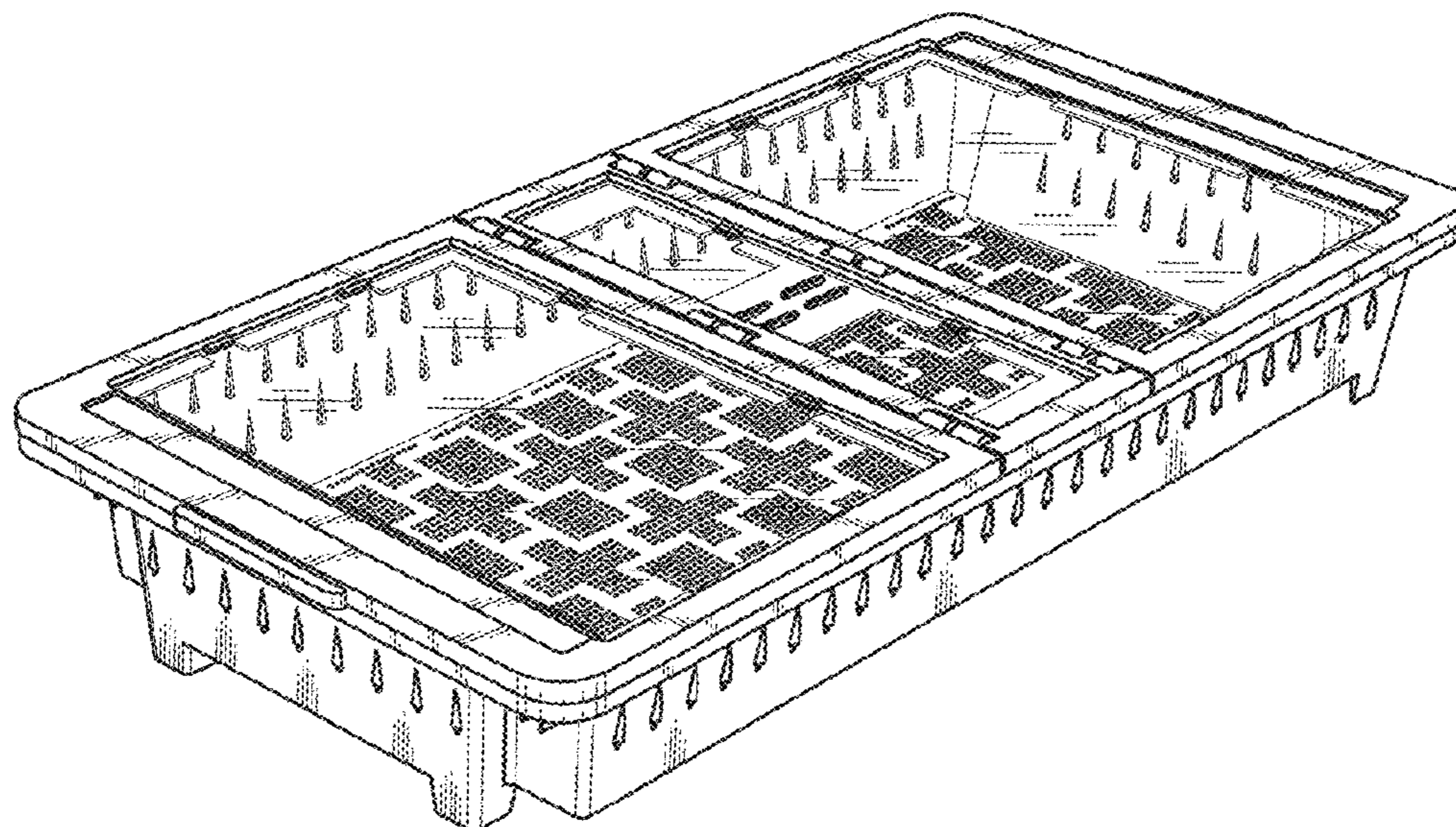
FIG. 7 is a bottom view of the multipurpose solar drying tray assembly of FIG. 1.

FIG. 8 is an isolated perspective view of the cover of the multipurpose solar drying tray assembly of FIG. 1.

FIG. 9 is an exploded perspective view of the cover of the multipurpose solar drying tray assembly of FIG. 1; and,

FIG. 10 is a right elevational end view of the tray of the multipurpose solar drying tray assembly of FIG. 1 nested with an identical tray.

**1 Claim, 10 Drawing Sheets**



(58) **Field of Classification Search**

CPC ..... 37/04; A47J 43/28; A47J 43/284; B65D  
1/22; B65D 1/24; B65D 1/34; B65D  
1/36; B65D 21/0215; B65D 81/343;  
B65D 85/36

See application file for complete search history.

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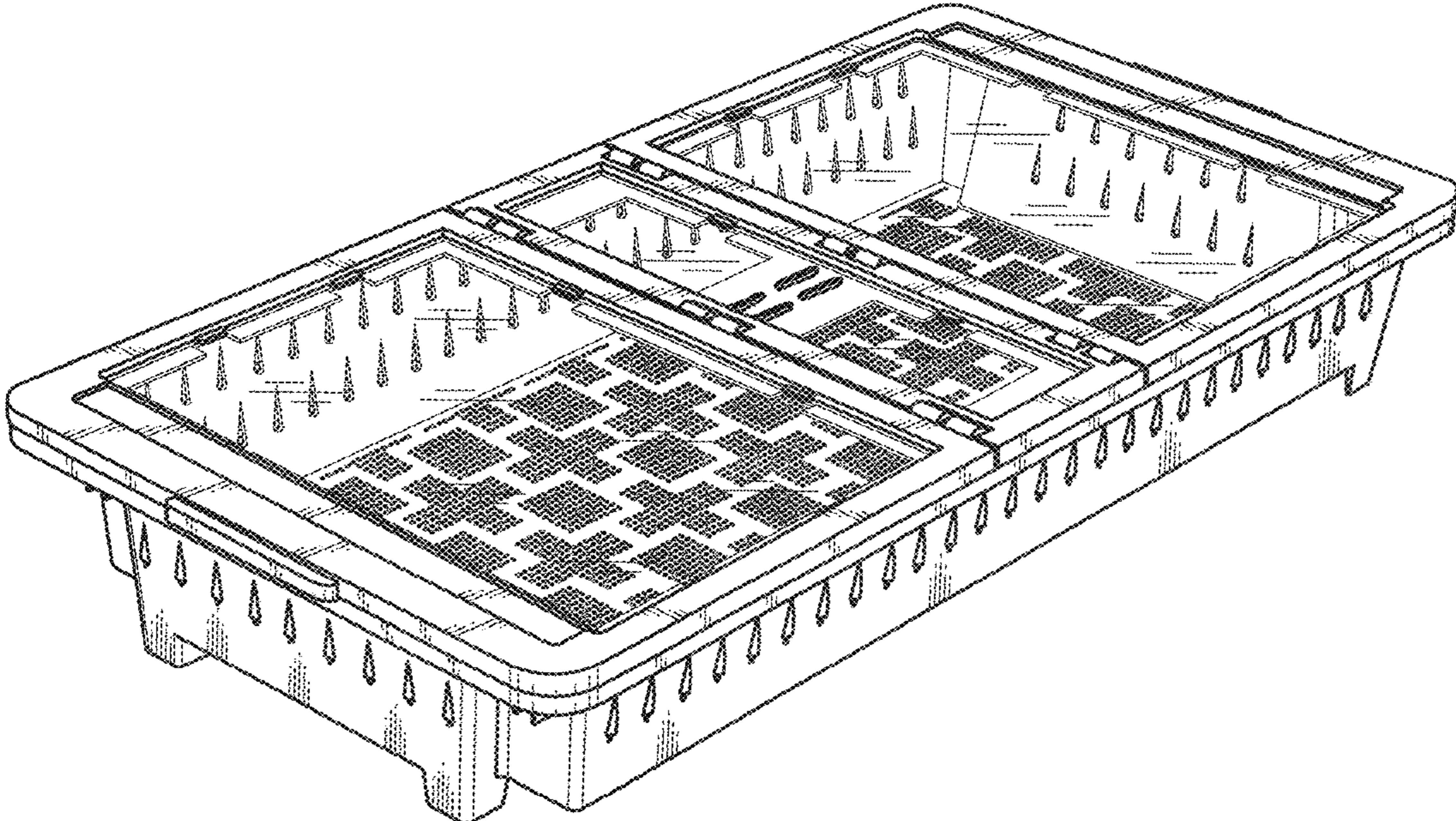


FIG. 1

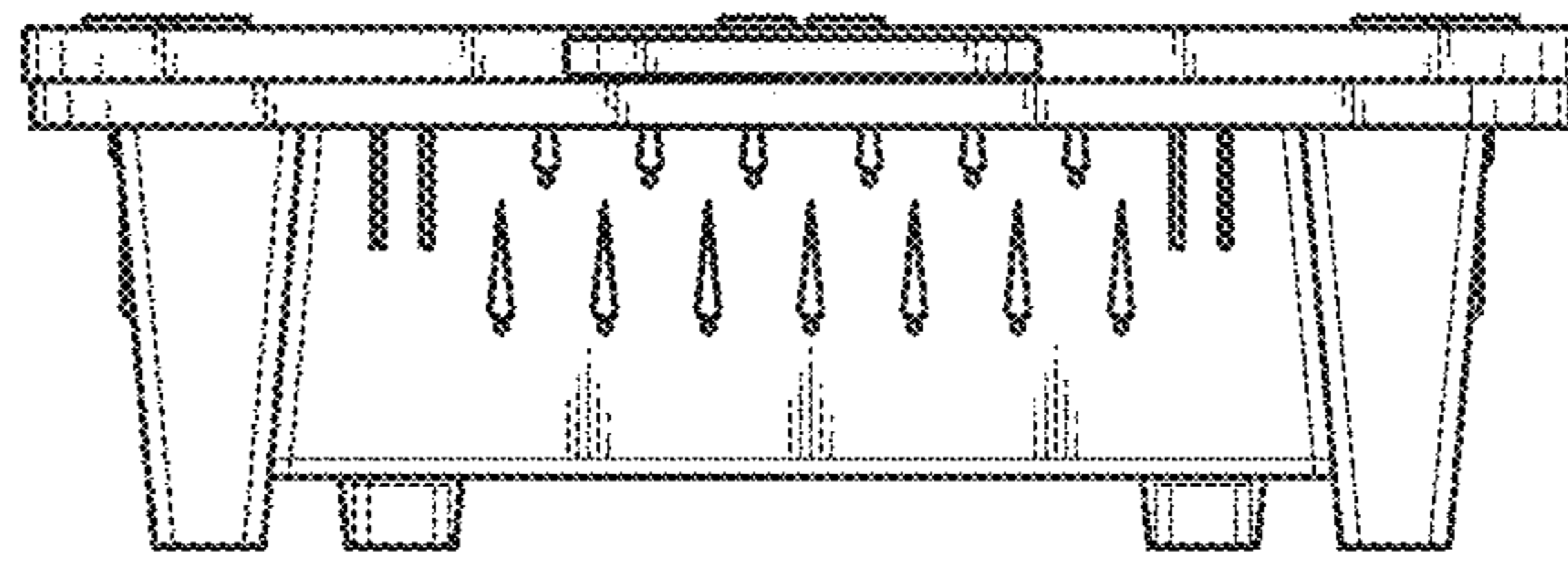


FIG. 2

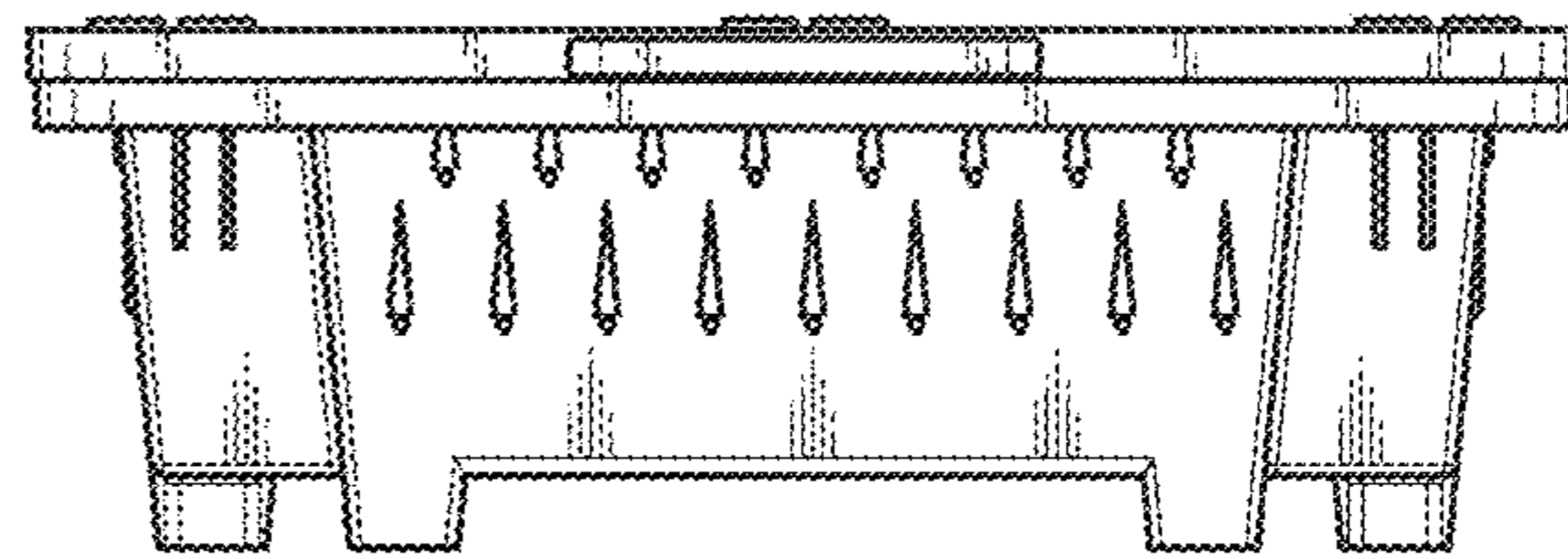


FIG. 3

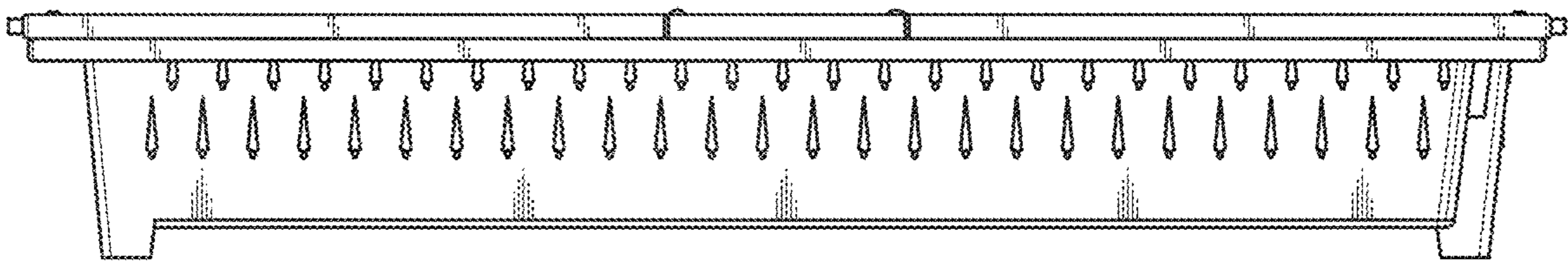


FIG. 4

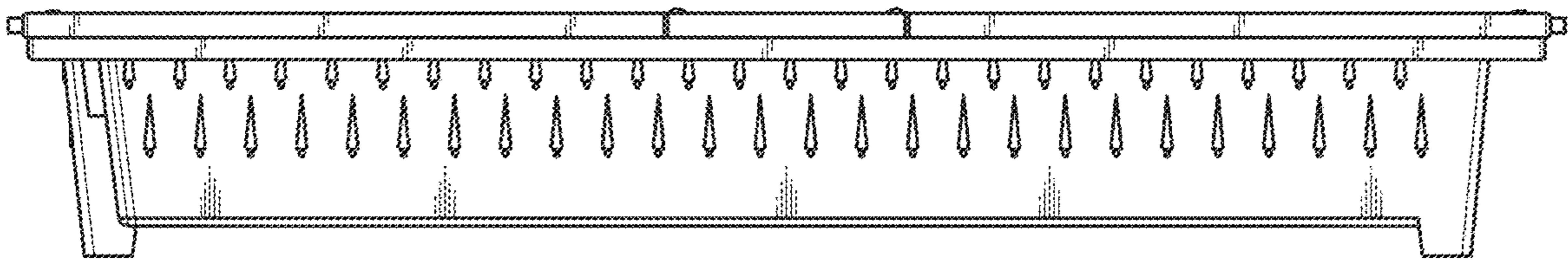


FIG. 5

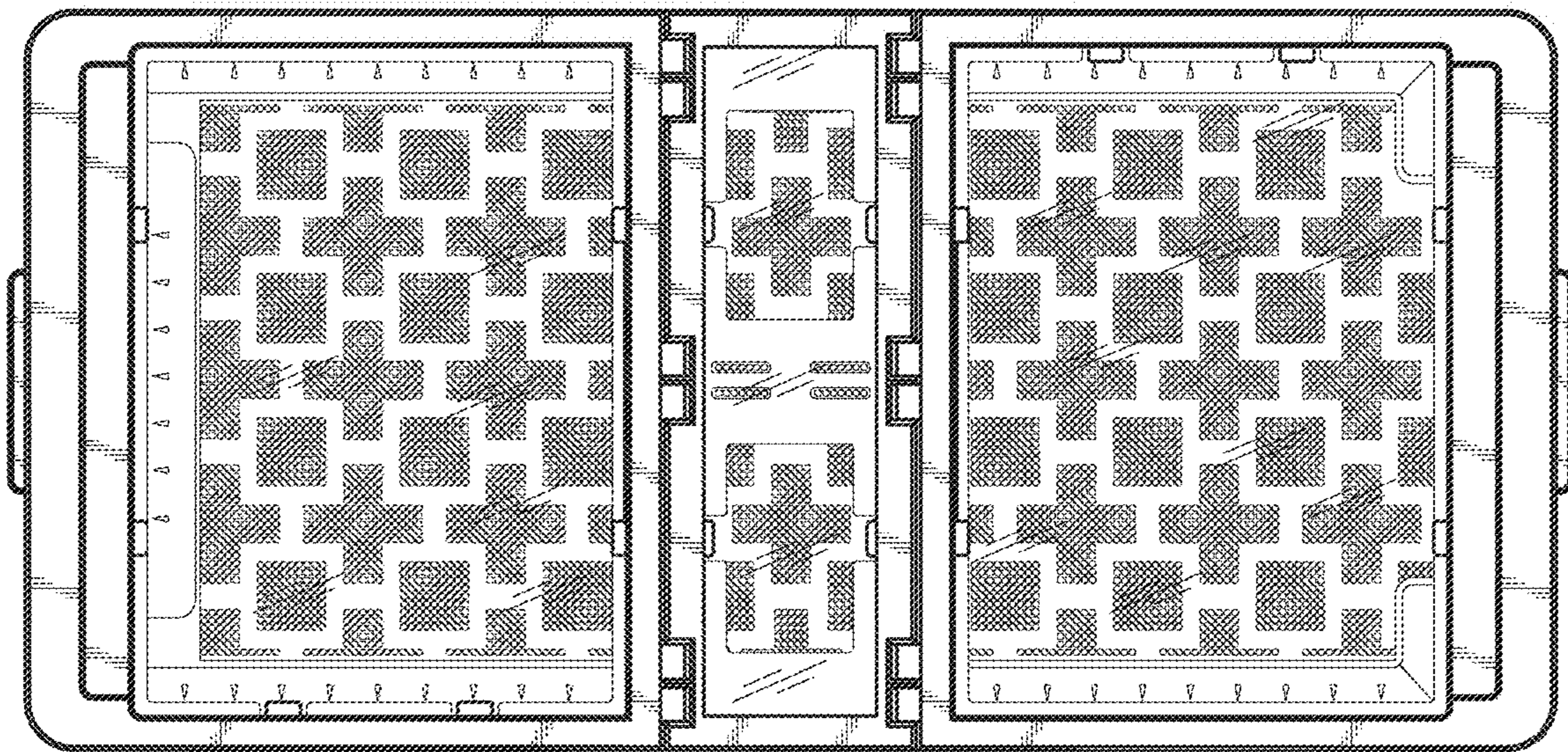


FIG. 6



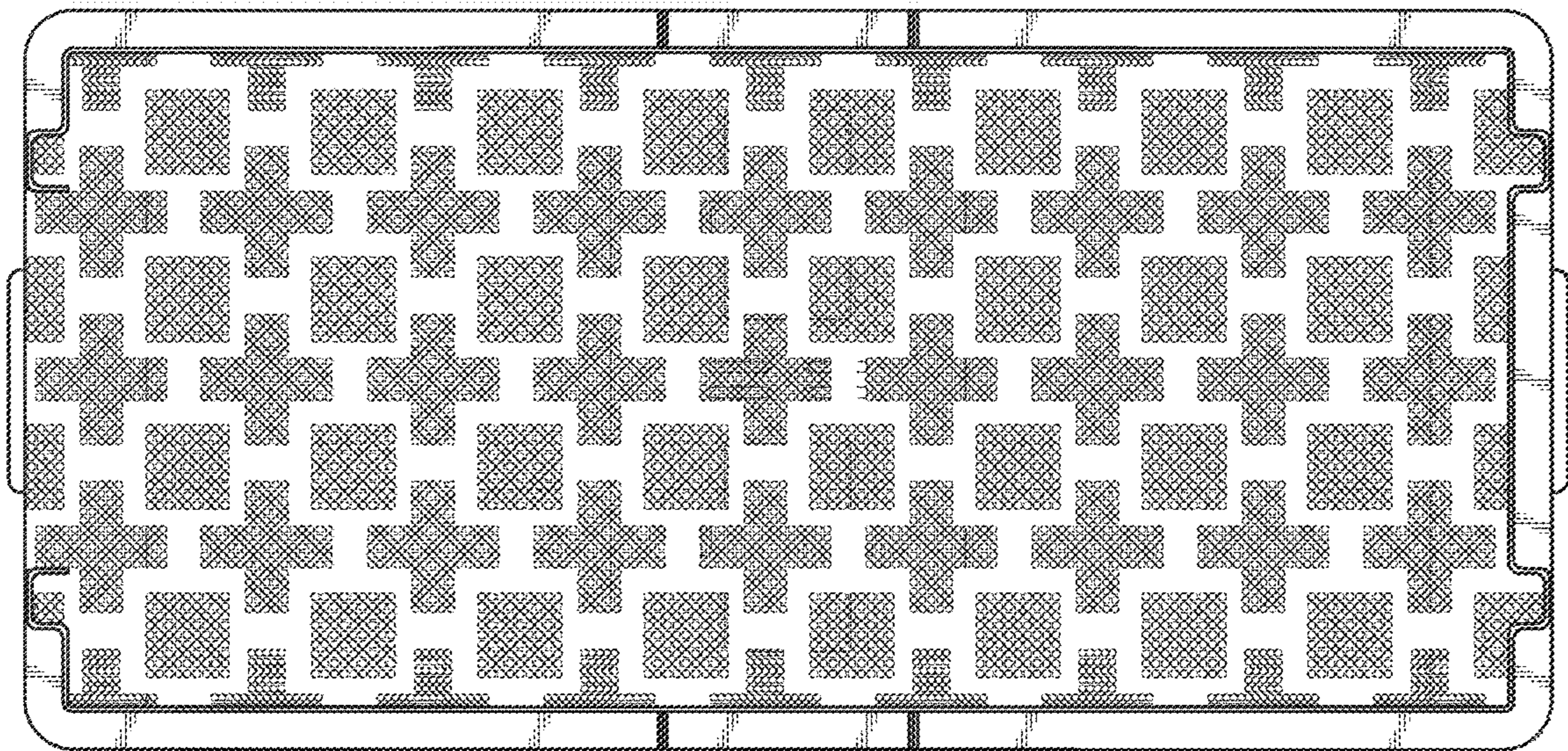


FIG. 7

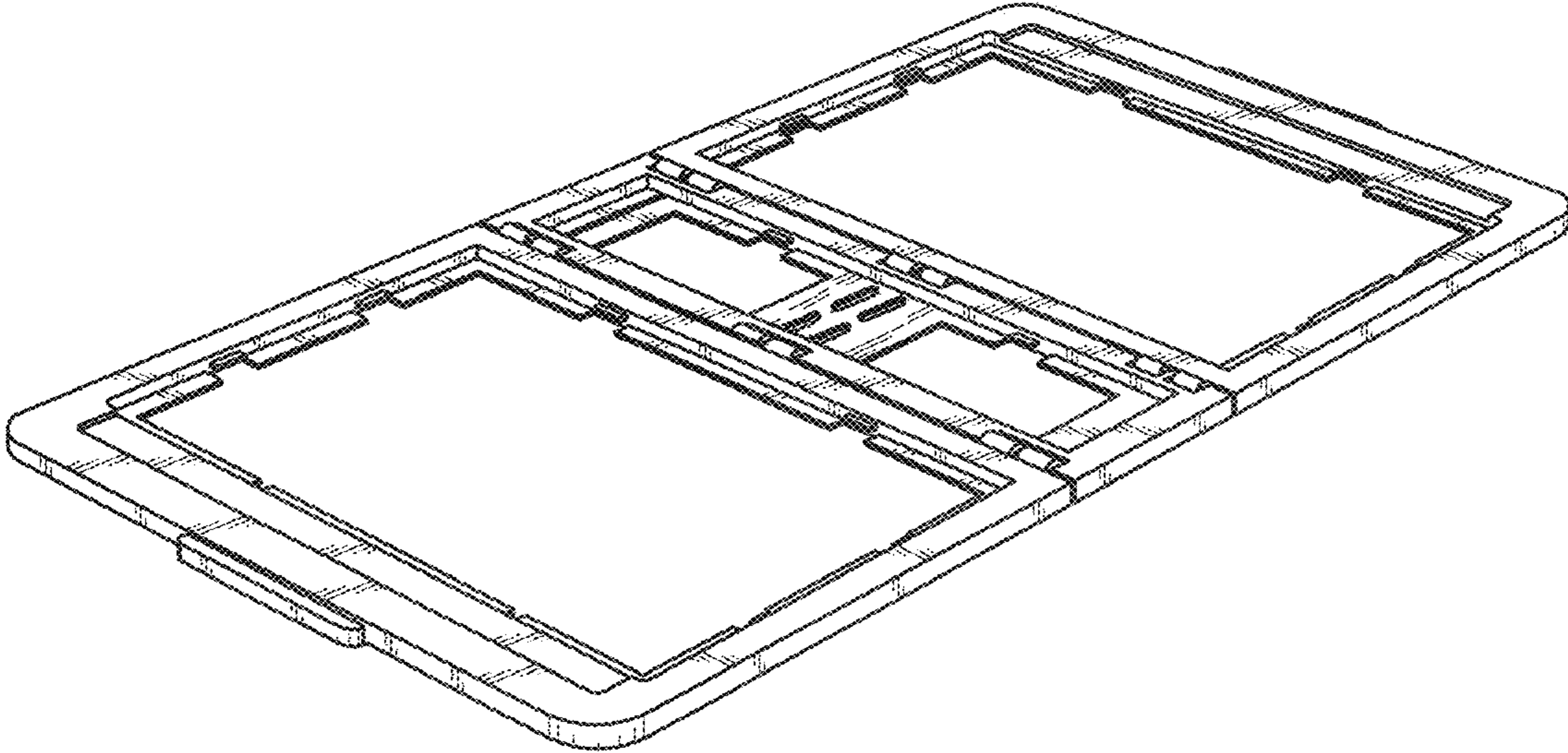


FIG. 8

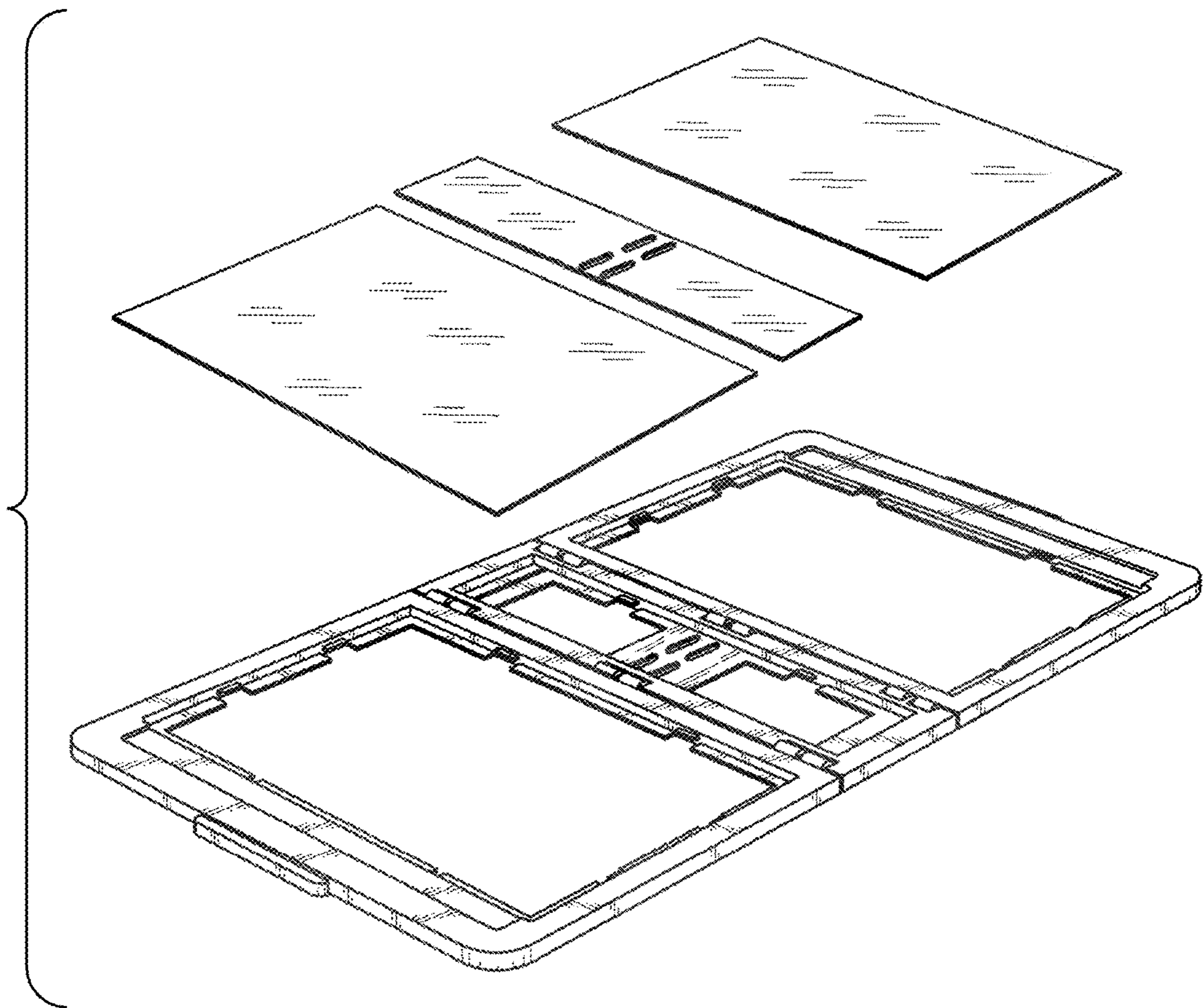


FIG. 9

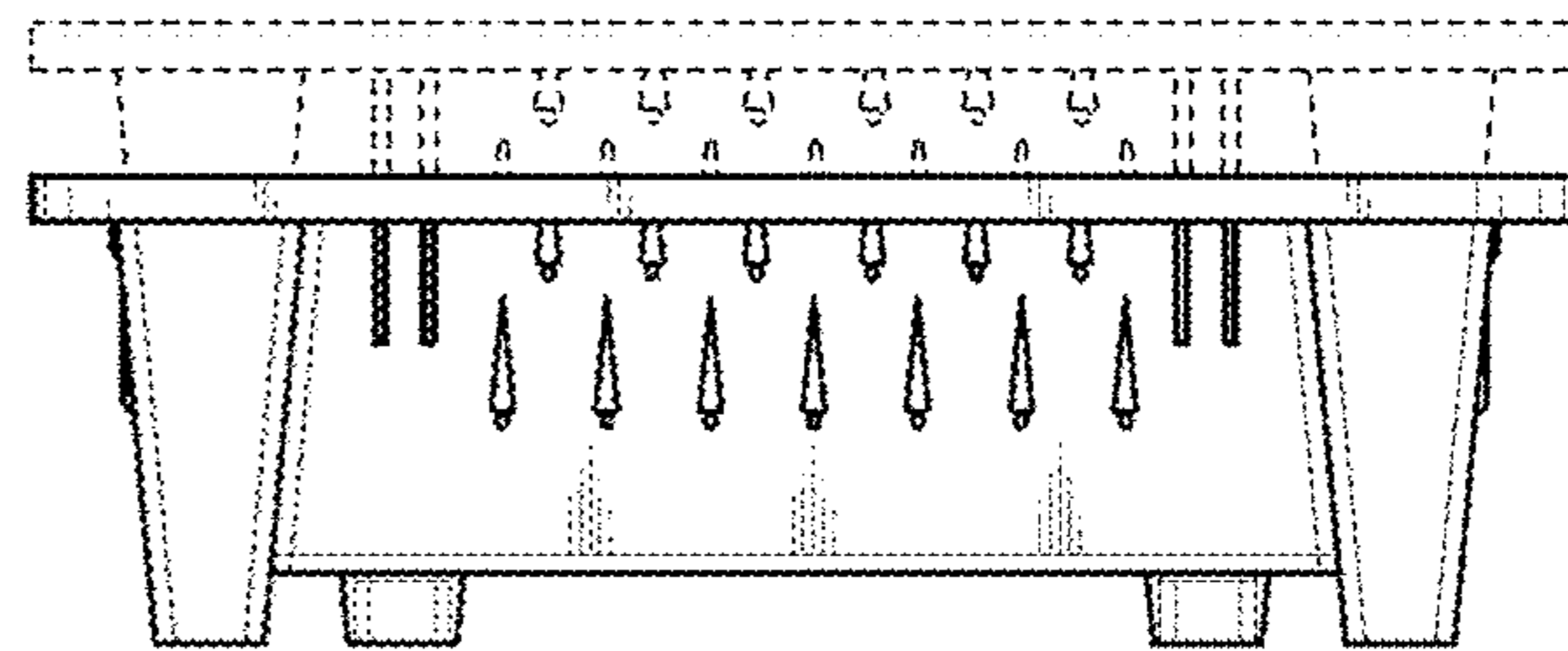


FIG. 10