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

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(54) **MOLDING SAND INTRODUCING NOZZLE FOR TIGHT-FLASK MOLDING MACHINE**

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

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(51) **LOC (11) Cl.** **15-03**

(52) **U.S. Cl.**
USPC **D15/135**

(58) **Field of Classification Search**
USPC D15/122, 135, 136, 137, 138, 141, 142,
D15/199, 89, 91; D12/1, 2, 8; D8/313;
D7/339-341, 348-349, 402-404
(Continued)

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(57) **CLAIM**

The ornamental design for a molding sand introducing nozzle for tight-flask molding machine, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a molding sand introducing nozzle for tight-flask molding machine of the present invention.

FIG. 2 is a rear perspective view of the molding sand introducing nozzle for tight-flask molding machine of FIG. 1.

FIG. 3 is a front view of the molding sand introducing nozzle for tight-flask molding machine of FIG. 1.

FIG. 4 is a rear view of the molding sand introducing nozzle for tight-flask molding machine of FIG. 1.

FIG. 5 is a top plan view of the molding sand introducing nozzle for tight-flask molding machine of FIG. 1.

FIG. 6 is a bottom view of the molding sand introducing nozzle for tight-flask molding machine of FIG. 1.

FIG. 7 is a right side view of the molding sand introducing nozzle for tight-flask molding machine of FIG. 1.

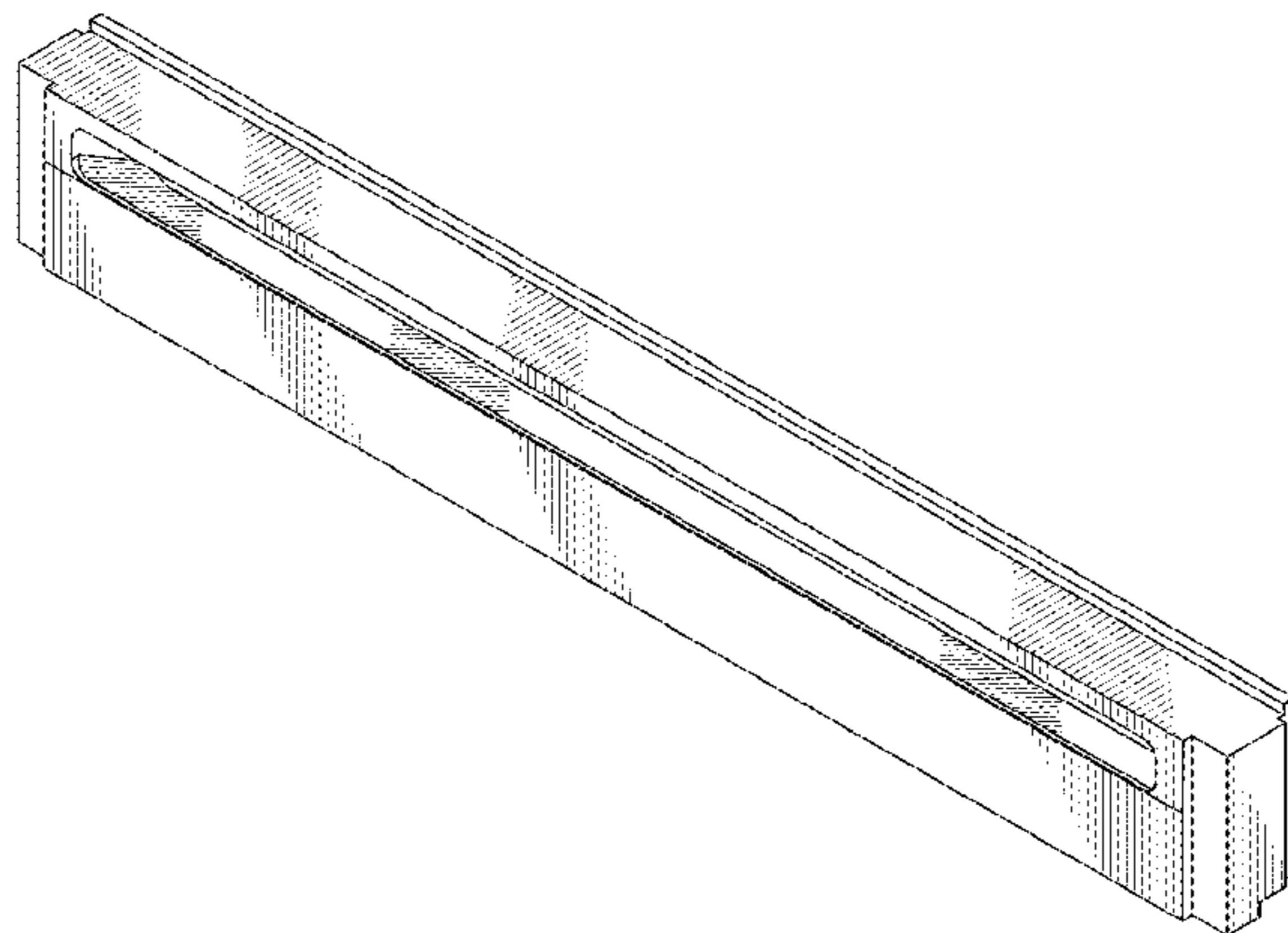
FIG. 8 is a left side view of the molding sand introducing nozzle for tight-flask molding machine of FIG. 1.

FIG. 9 is an enlarged sectional view taken along the line 9-9 of the molding sand introducing nozzle for tight-flask molding machine of FIG. 3; and,

FIG. 10 is a reference perspective view of the molding sand introducing nozzle for tight-flask molding machine of FIG. 1 in use, wherein the molding sand introducing nozzle is attached to an upper overlay frame part of a tight-flask molding machine for molding a cast, which is for illustrative purpose only and form no part of the claimed design.

The features shown in broken lines illustrate portions of the molding sand introducing nozzle for tight-flask molding machine and form no part of the claimed design.

1 Claim, 10 Drawing Sheets



(58) **Field of Classification Search**

CPC B29C 45/0001; B29C 2043/3427; B29C 2043/3494; B29C 2045/0006; B29C 2045/0043; B29C 2045/0049; B29C 2045/14803; B29C 2945/76444; B29C 43/24; B29C 45/0005; B29C 45/0025; B29C 45/006; B29C 45/14778; B29C 45/14811; B29C 45/14819; B29C 45/1657; B29C 45/14311; B29C 45/1671; B29C 45/1761; B29C 45/2708; B29C 45/40; B29C 45/401; B29C 45/42; B29C 45/84; B29C 47/0004; B29C 47/0021

See application file for complete search history.

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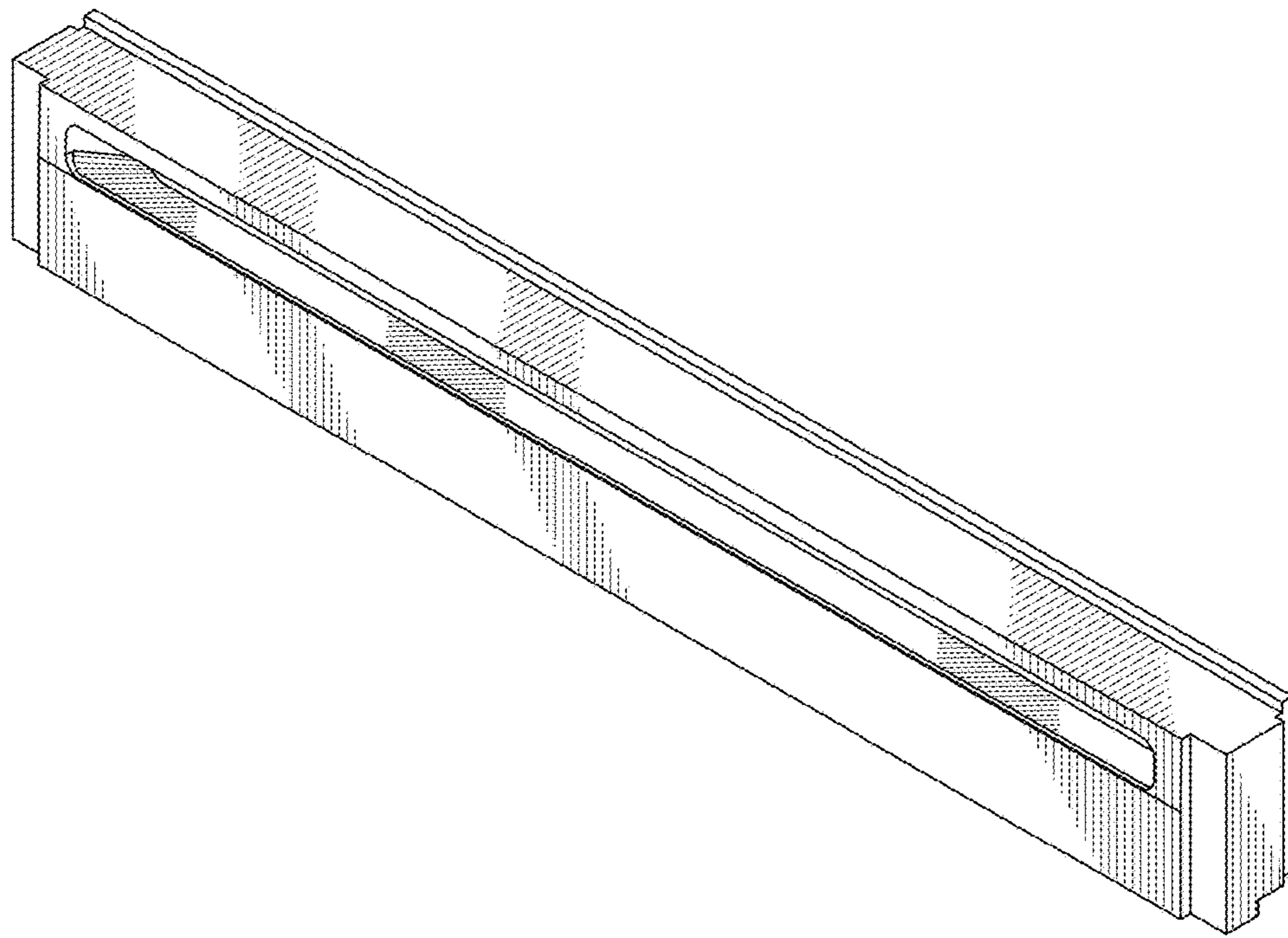


FIG. 1

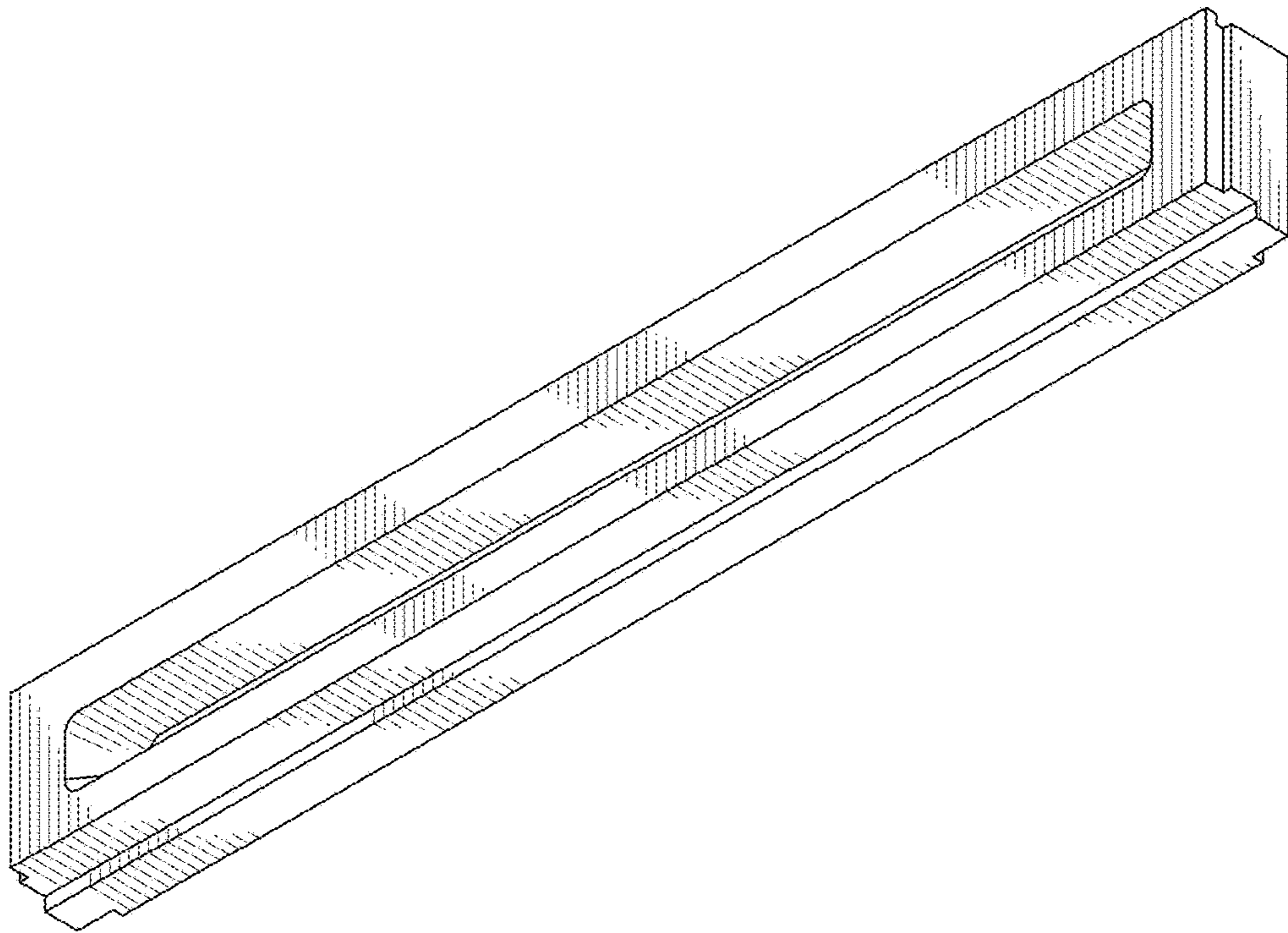


FIG. 2

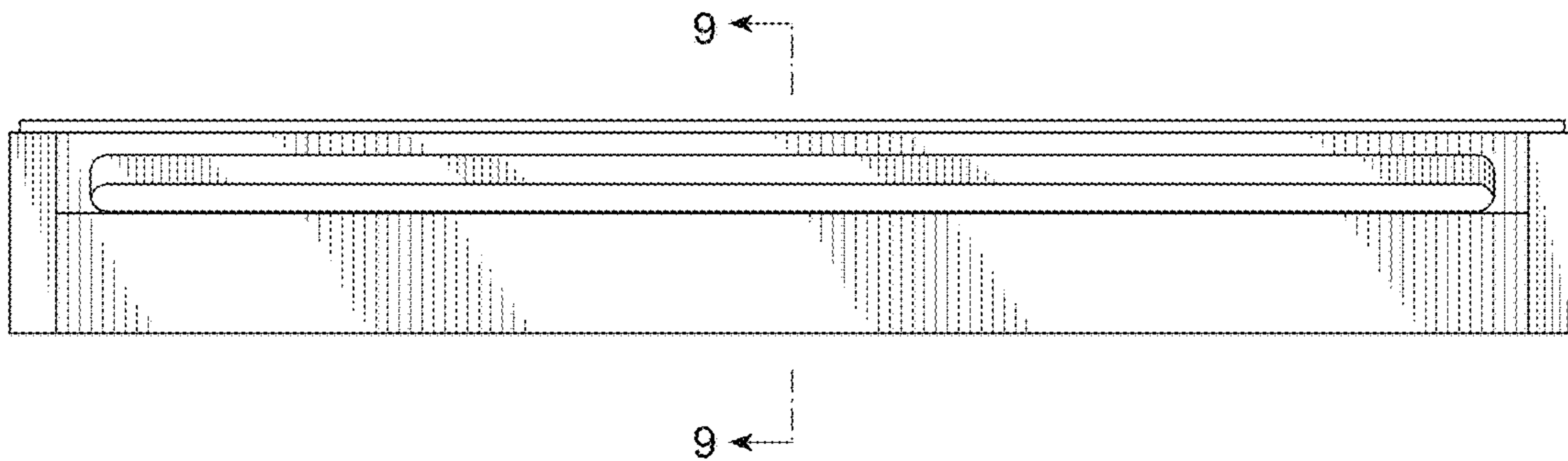


FIG. 3

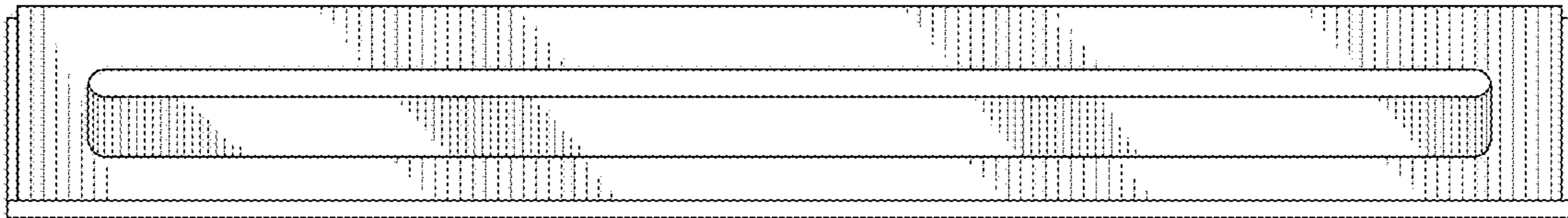


FIG. 4



FIG. 5



FIG. 6

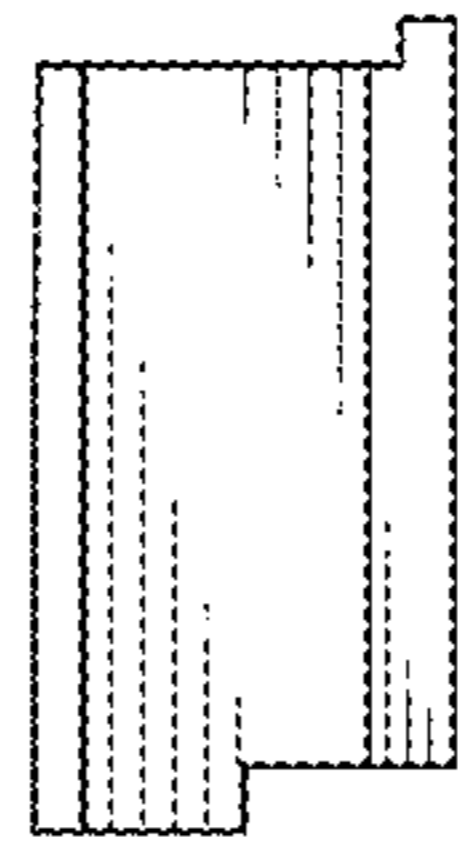


FIG. 7

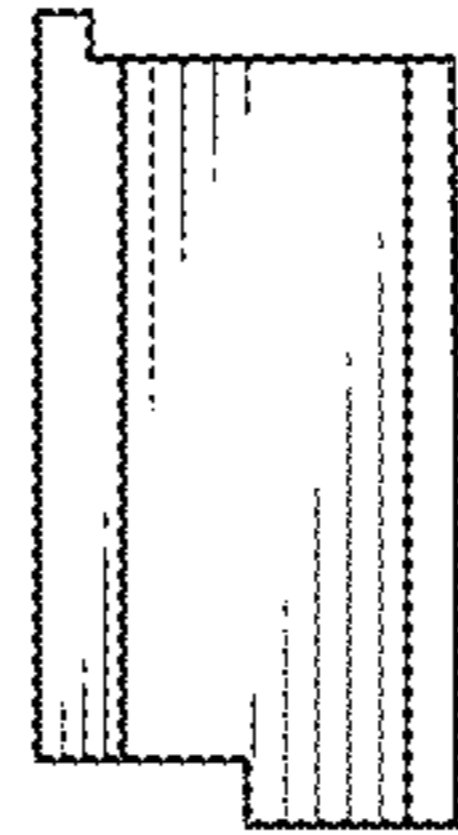


FIG. 8

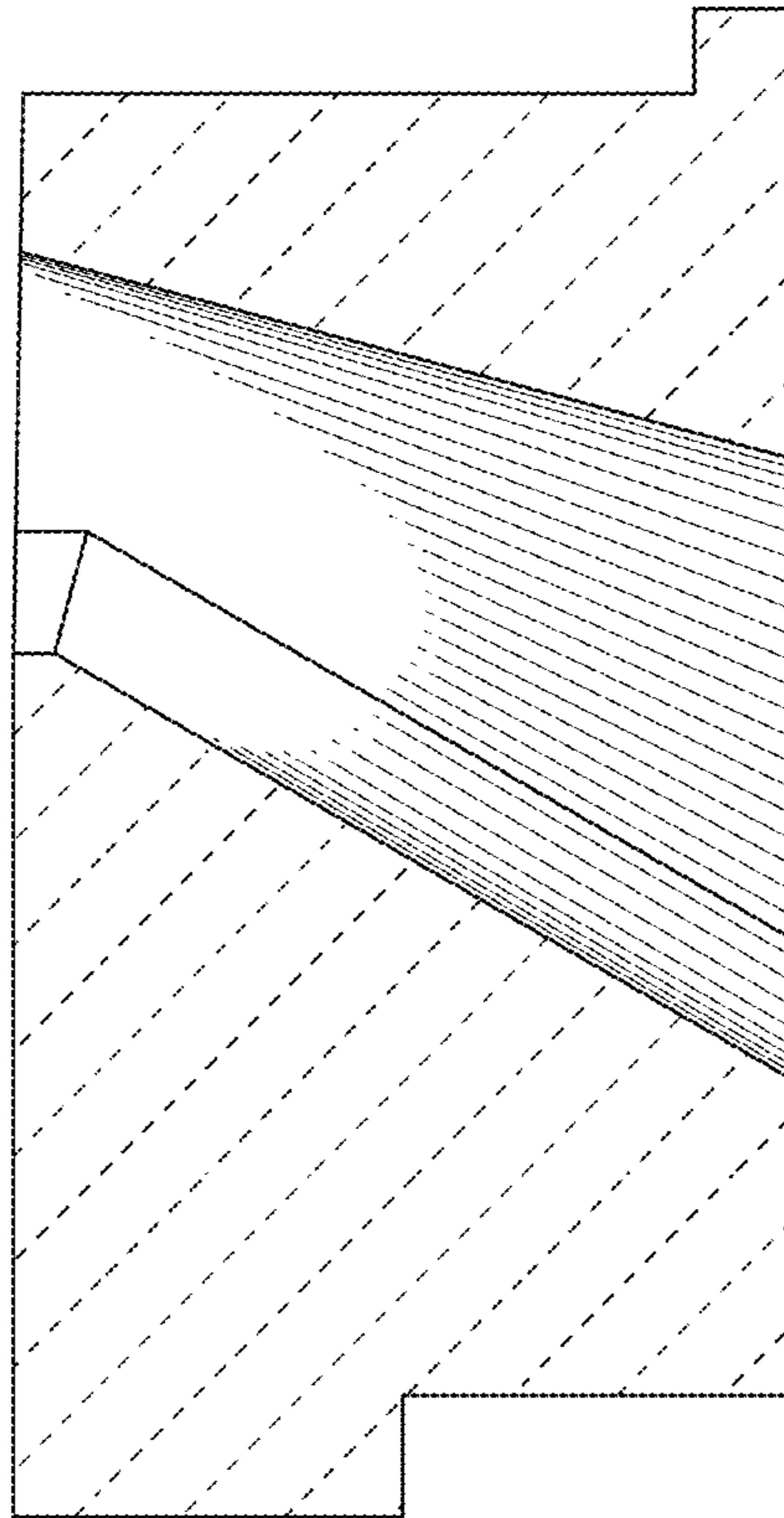


FIG. 9

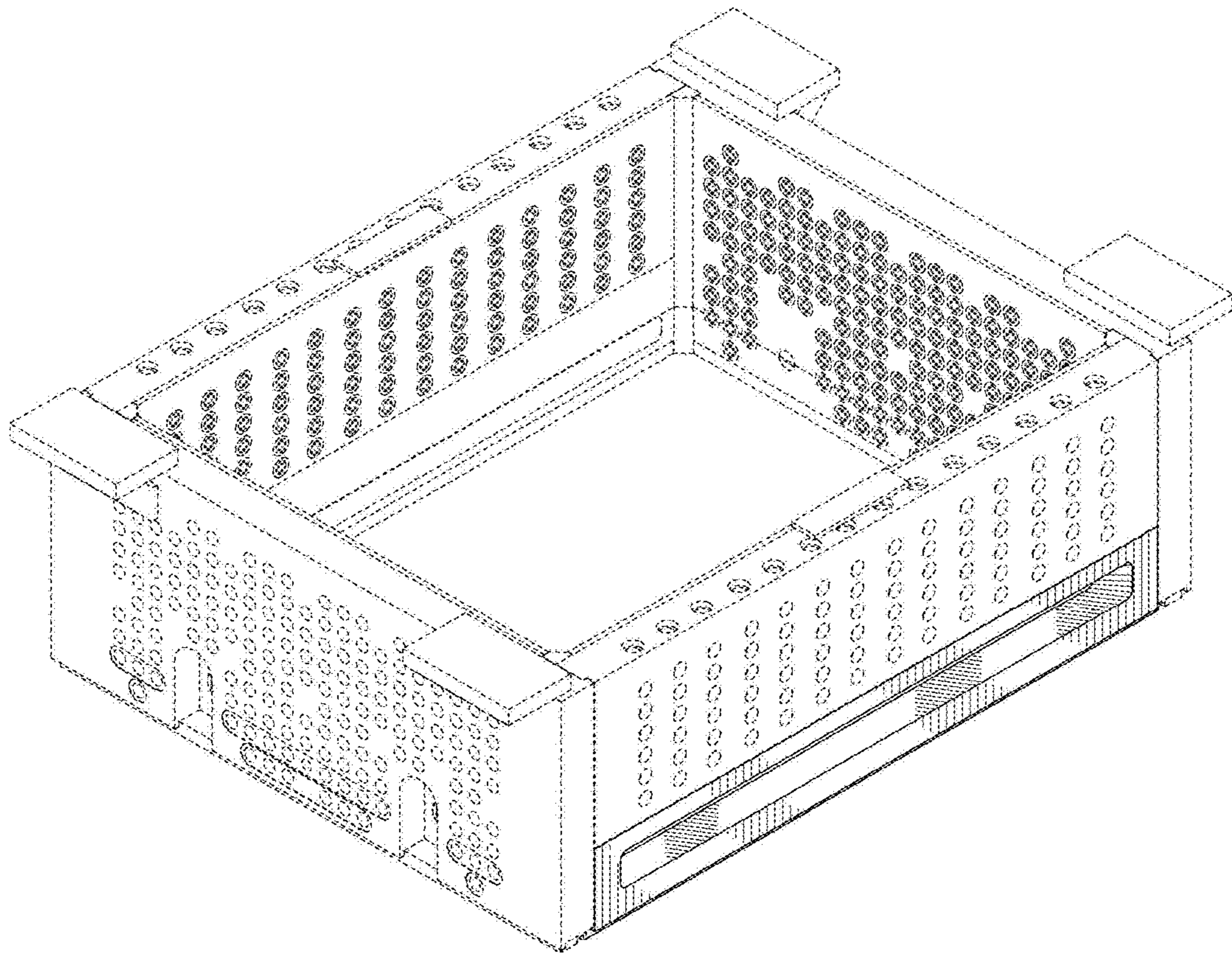


FIG. 10