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(12)

United States Design Patent

Chen

(10)

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(45)

Date of Patent:

** Jan. 10, 2023

(54) SWIVEL TO OPEN STANDING SHELF

* cited by examiner

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(73) Assignee: Ximing Chen, Shenzhen (CN)

(57) CLAIM

The ornamental design for a swivel to open standing shelf, as shown and described.

(**) Term: 15 Years

DESCRIPTION

(21) Appl. No.: 29/834,360

FIG. 1 is a front, top and right-side perspective view of a first embodiment of a swivel to open standing shelf, showing my new design;

(22) Filed: Apr. 11, 2022

FIG. 2 is a perspective view thereof shown in an open position;

(51) LOC (14) Cl. 06-06

(52) U.S. Cl.

FIG. 3 is a front view of FIG. 1;

USPC D6/675.1

(58) Field of Classification Search

USPC D6/672, 675, 675.1, 675.2, 679, 691, D6/705, 705.6

CPC A47B 46/00; A47B 46/005; A47B 47/021; A47B 49/00; A47B 49/002; A47F 5/0081; A47F 5/0087; A47F 5/0093

See application file for complete search history.

FIG. 4 is a rear view of FIG. 1;

FIG. 5 is a left-side view of FIG. 1;

FIG. 6 is a right-side view of FIG. 1;

FIG. 7 is a top view of FIG. 1;

FIG. 8 is a bottom view of FIG. 1;

FIG. 9 is a perspective view of a second embodiment of a swivel to open standing shelf;

FIG. 10 is a perspective view thereof shown in an open position;

FIG. 11 is a perspective view of a third embodiment of a swivel to open standing shelf;

FIG. 12 is a perspective view thereof shown in an open position;

FIG. 13 is a perspective view of a fourth embodiment of a swivel to open standing shelf; and,

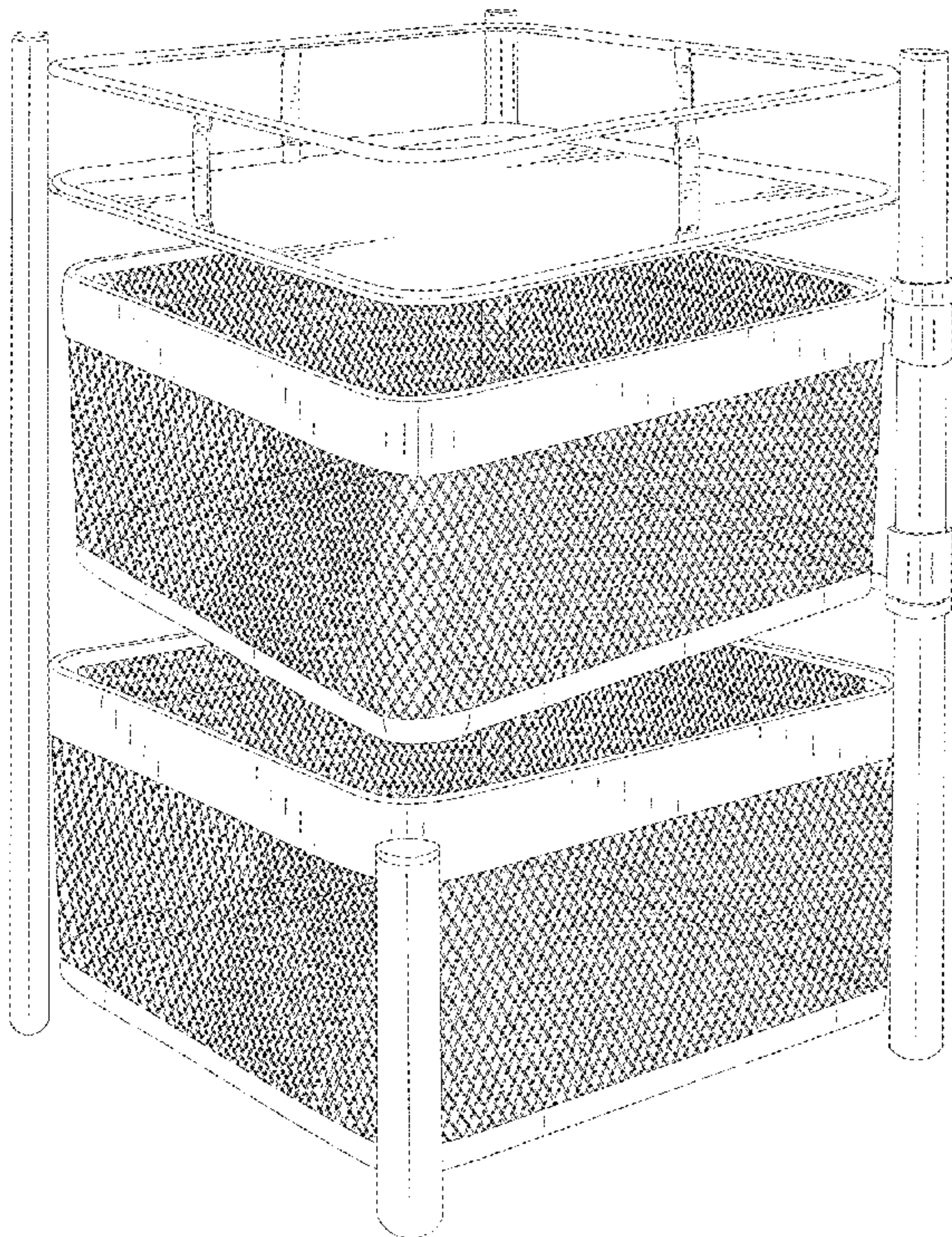
FIG. 14 is a perspective view thereof shown in an open position.

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1 Claim, 14 Drawing Sheets



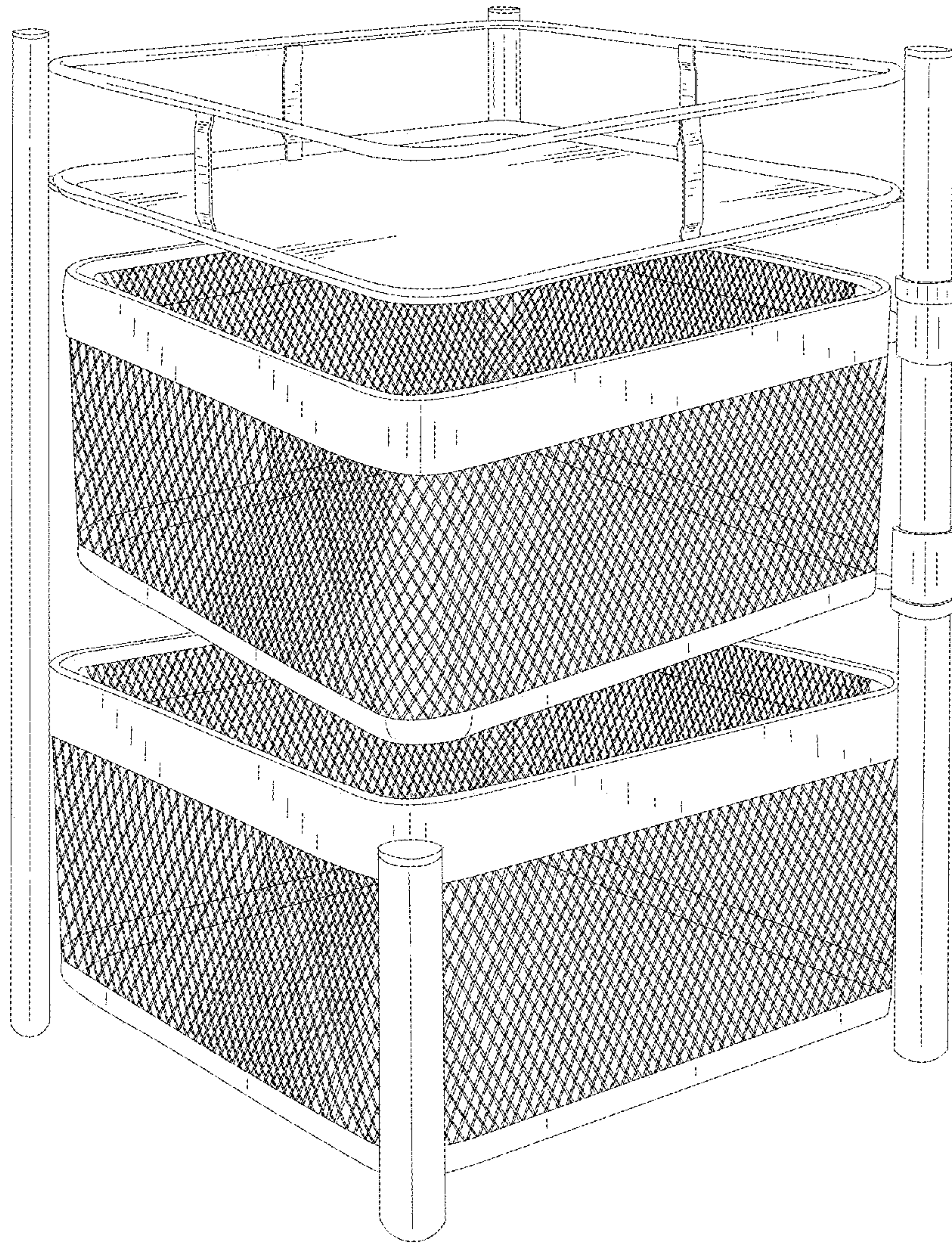


FIG. 1

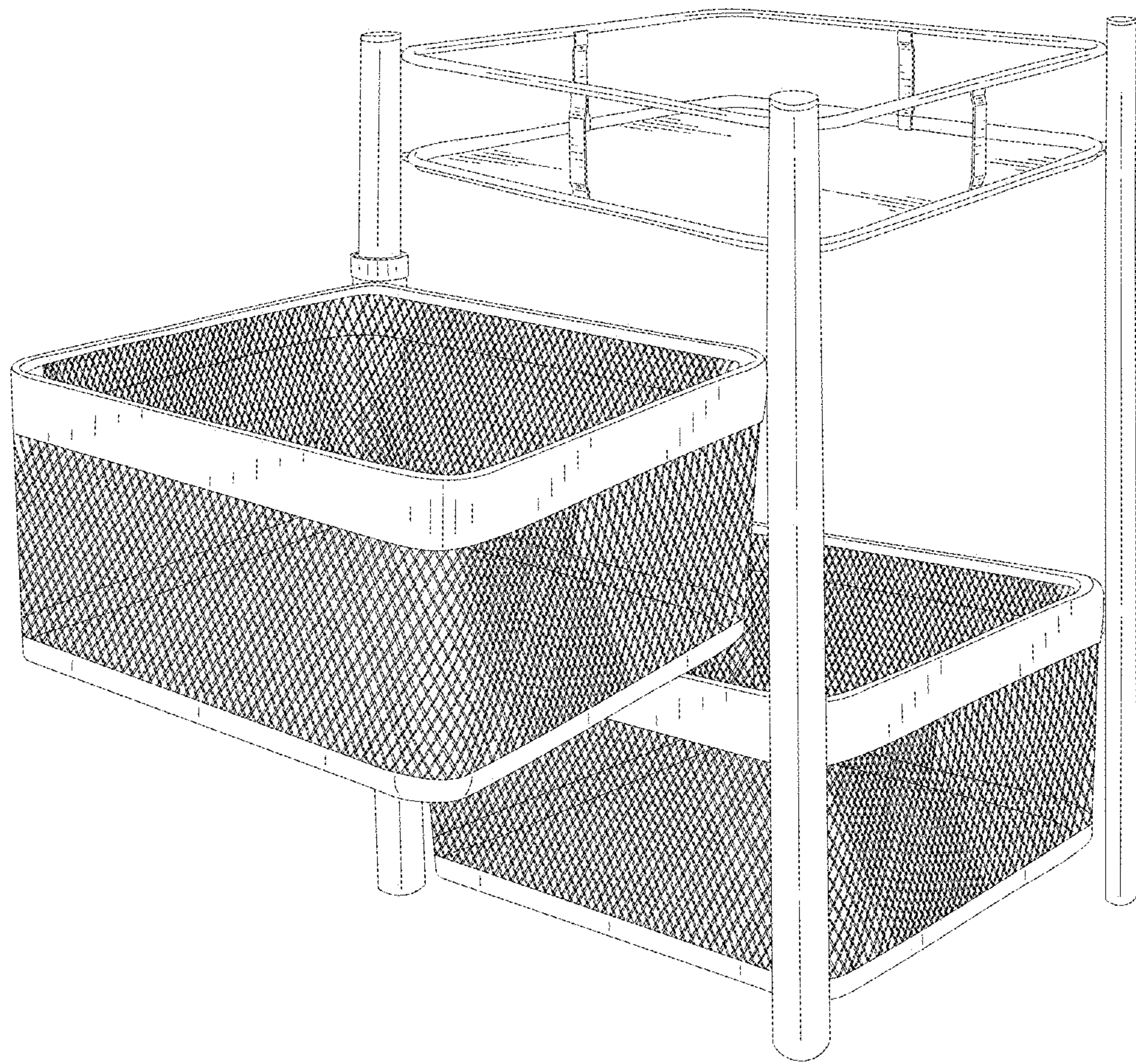


FIG. 2

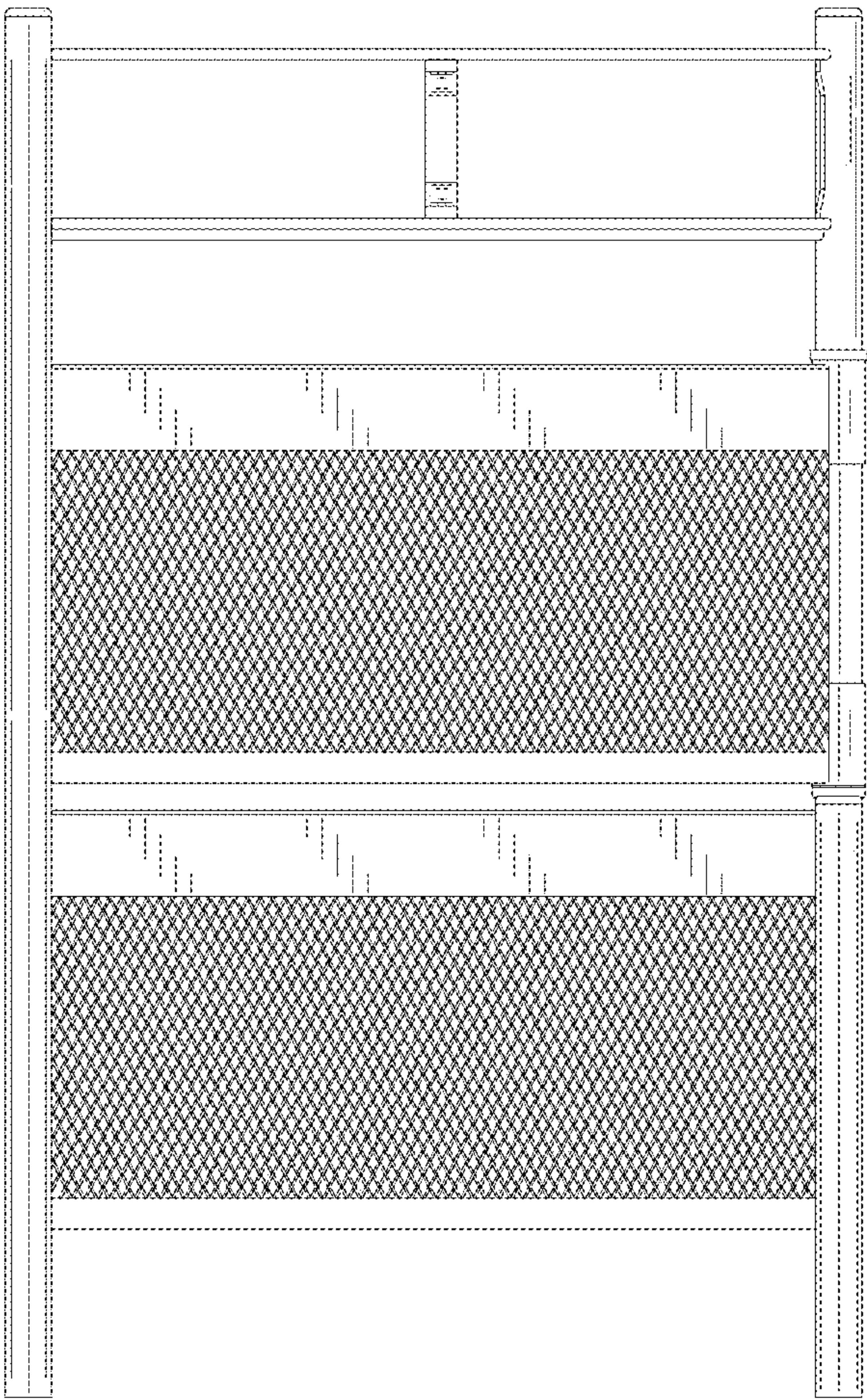


FIG. 3

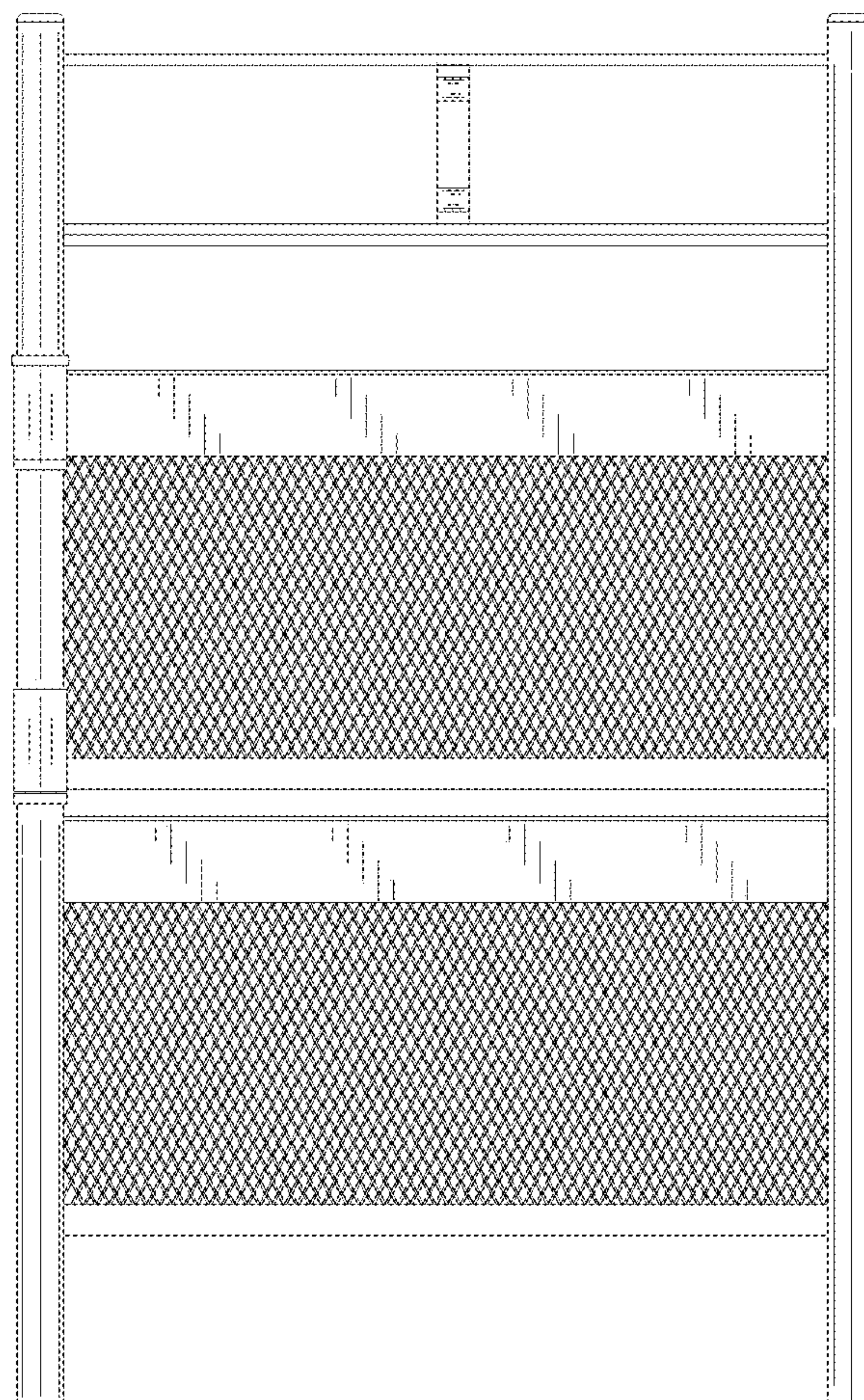


FIG. 4

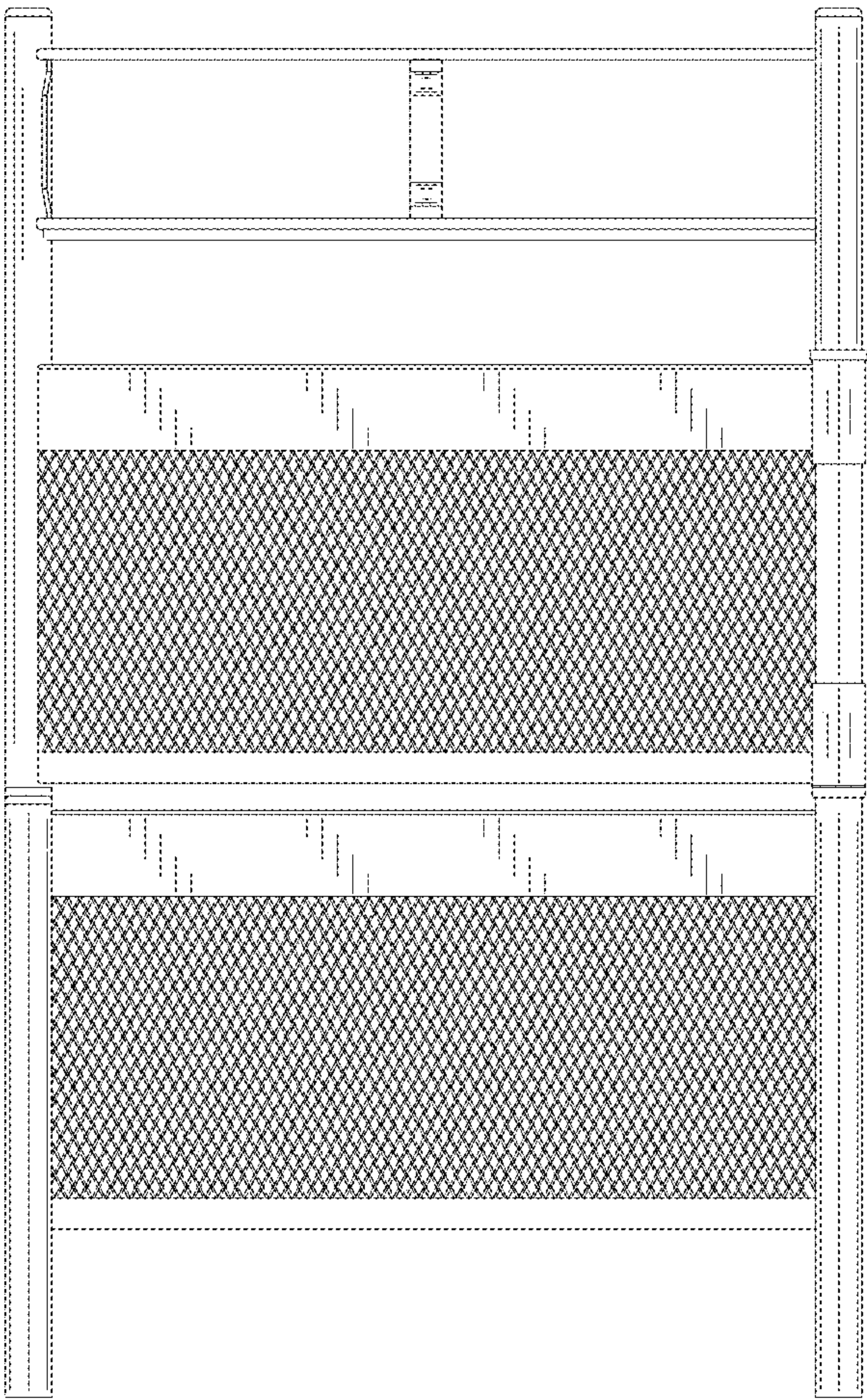


FIG. 5

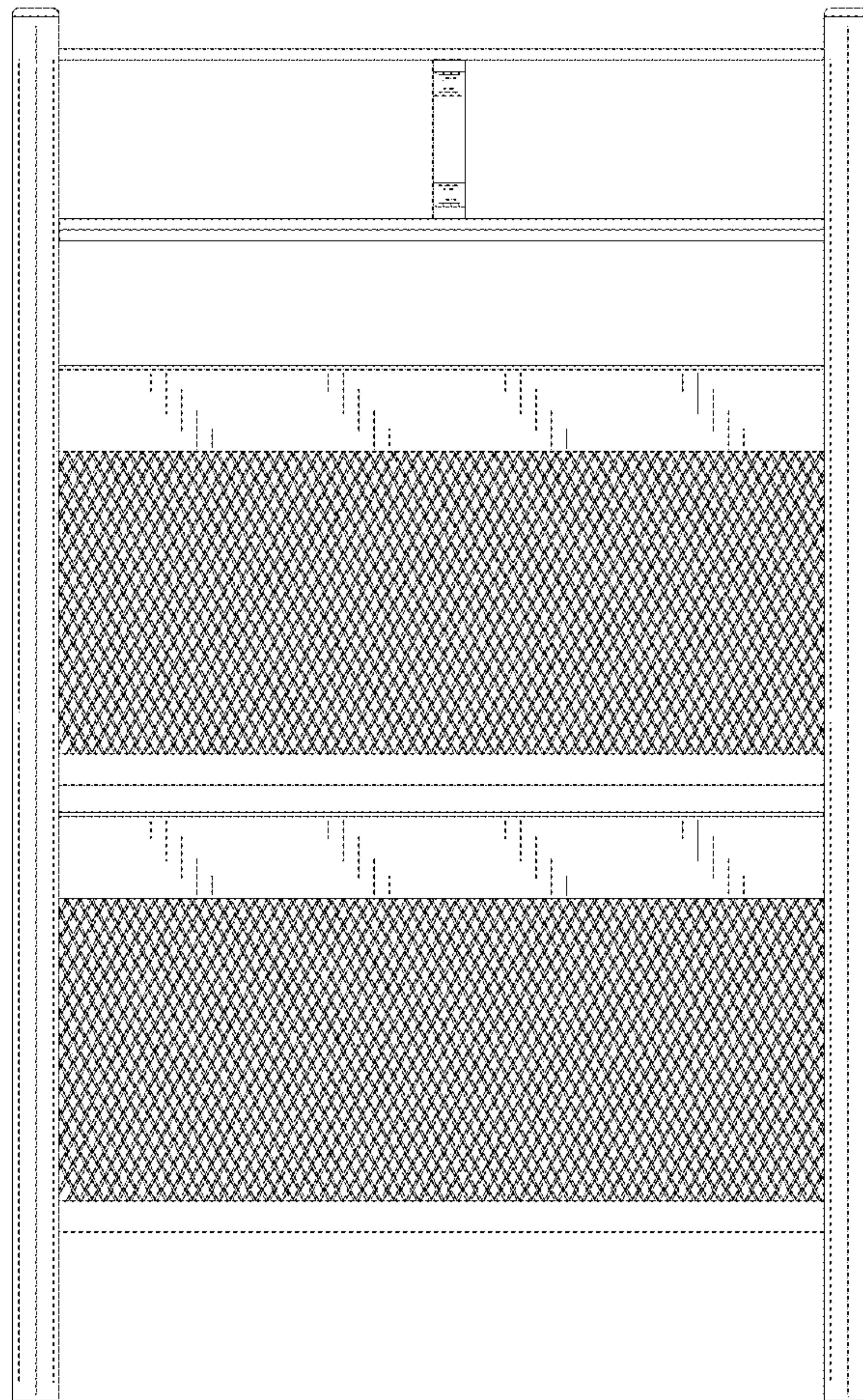


FIG. 6

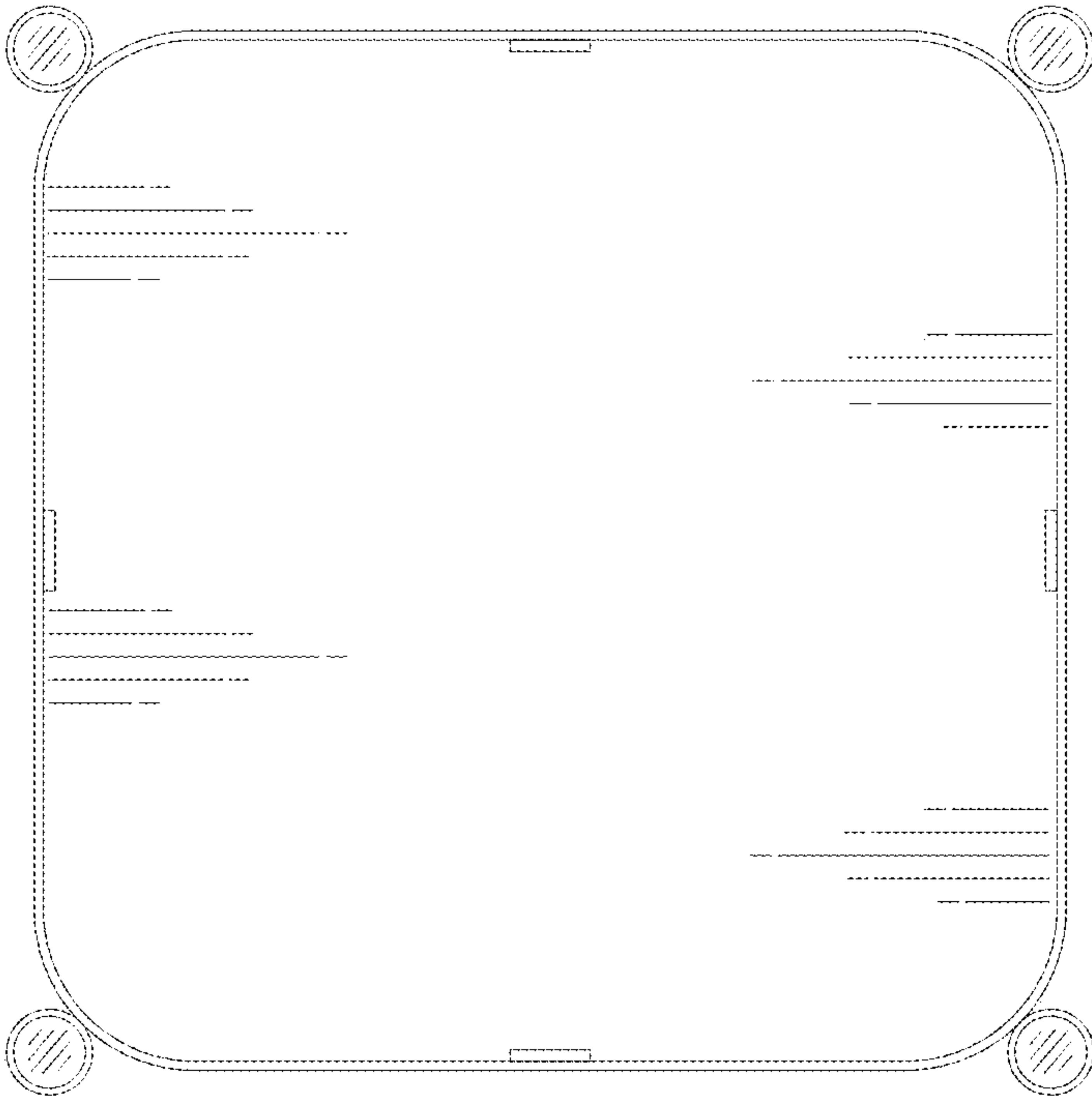


FIG. 7

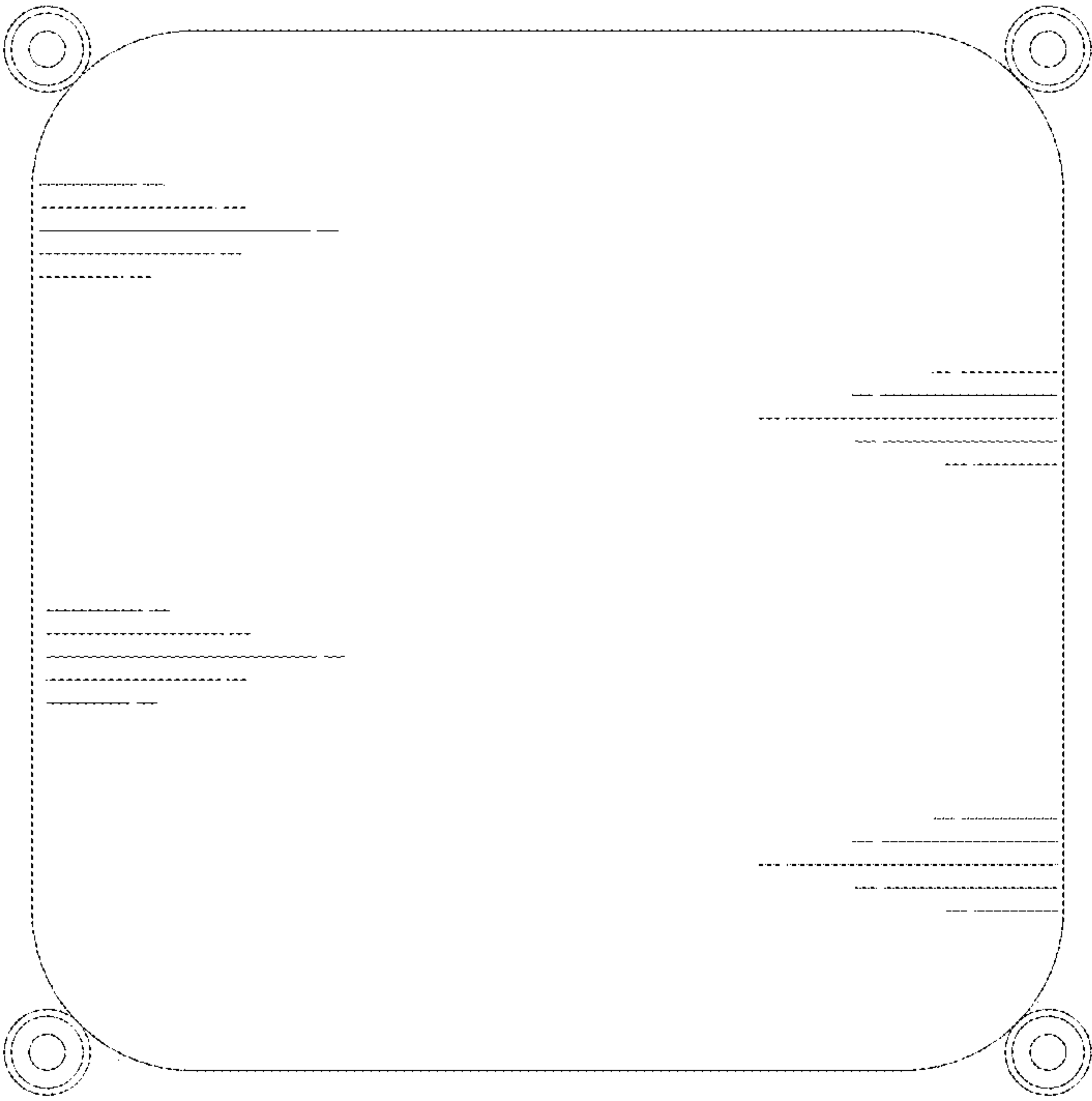


FIG. 8

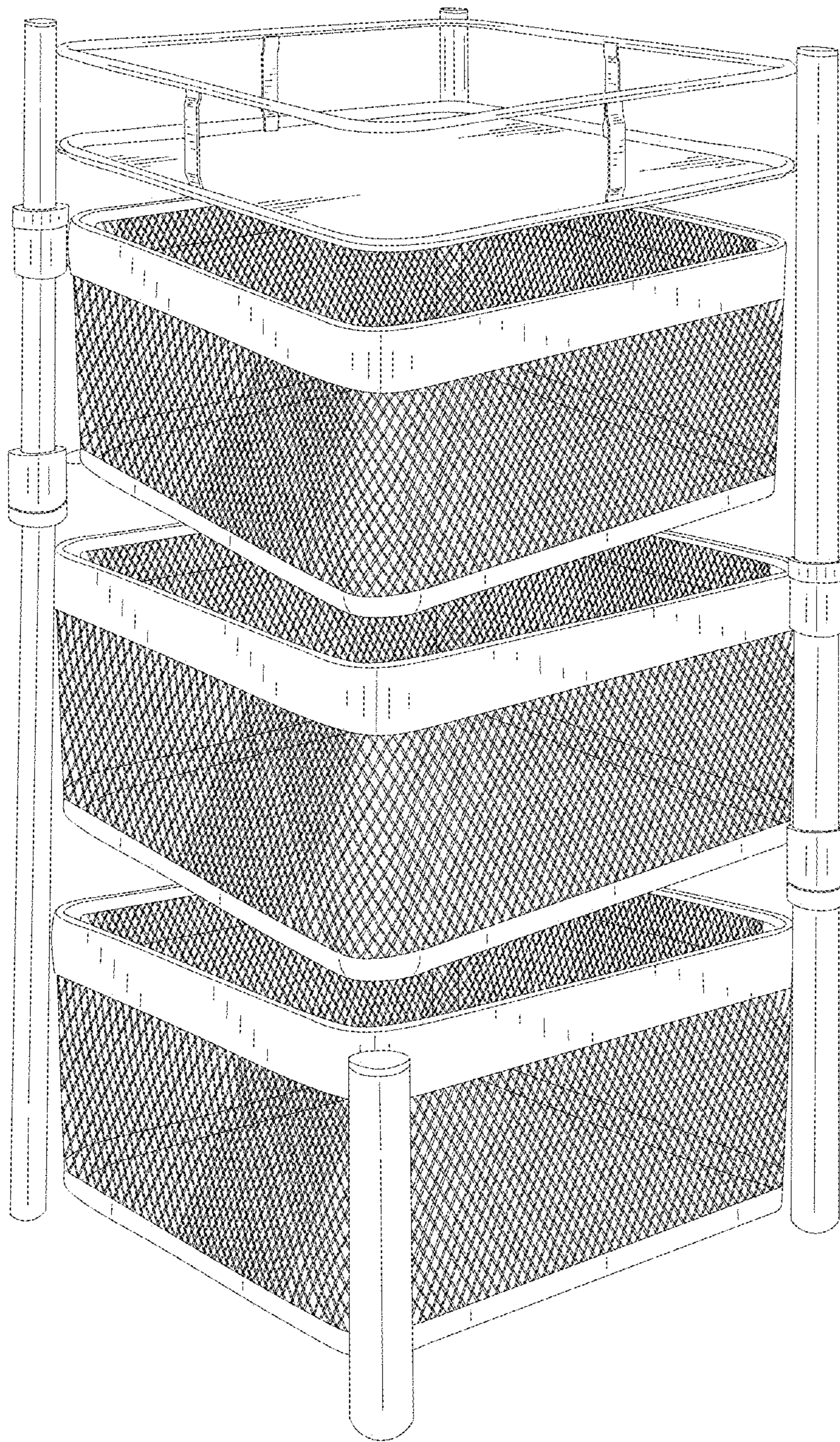


FIG. 9

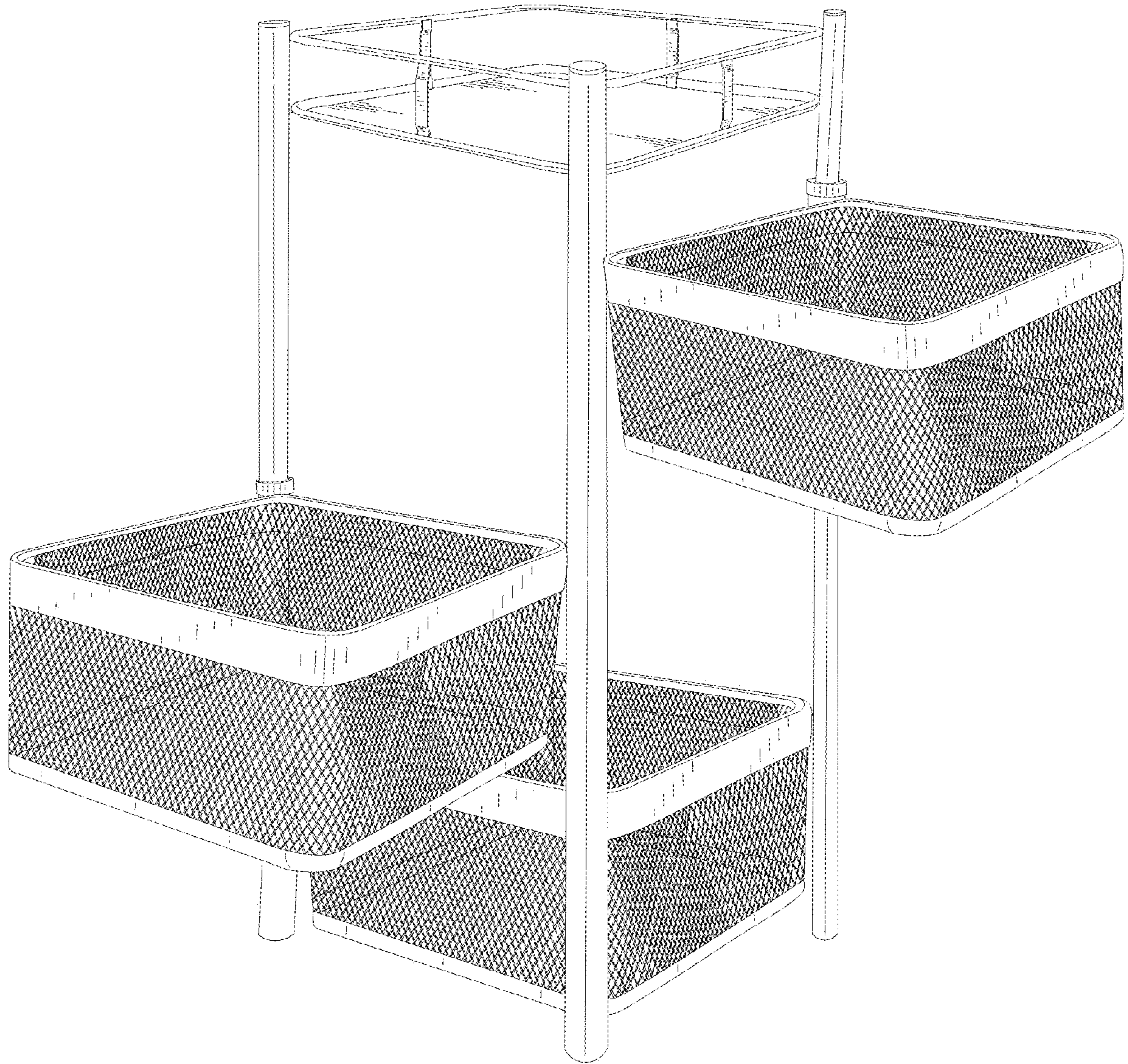


FIG. 10

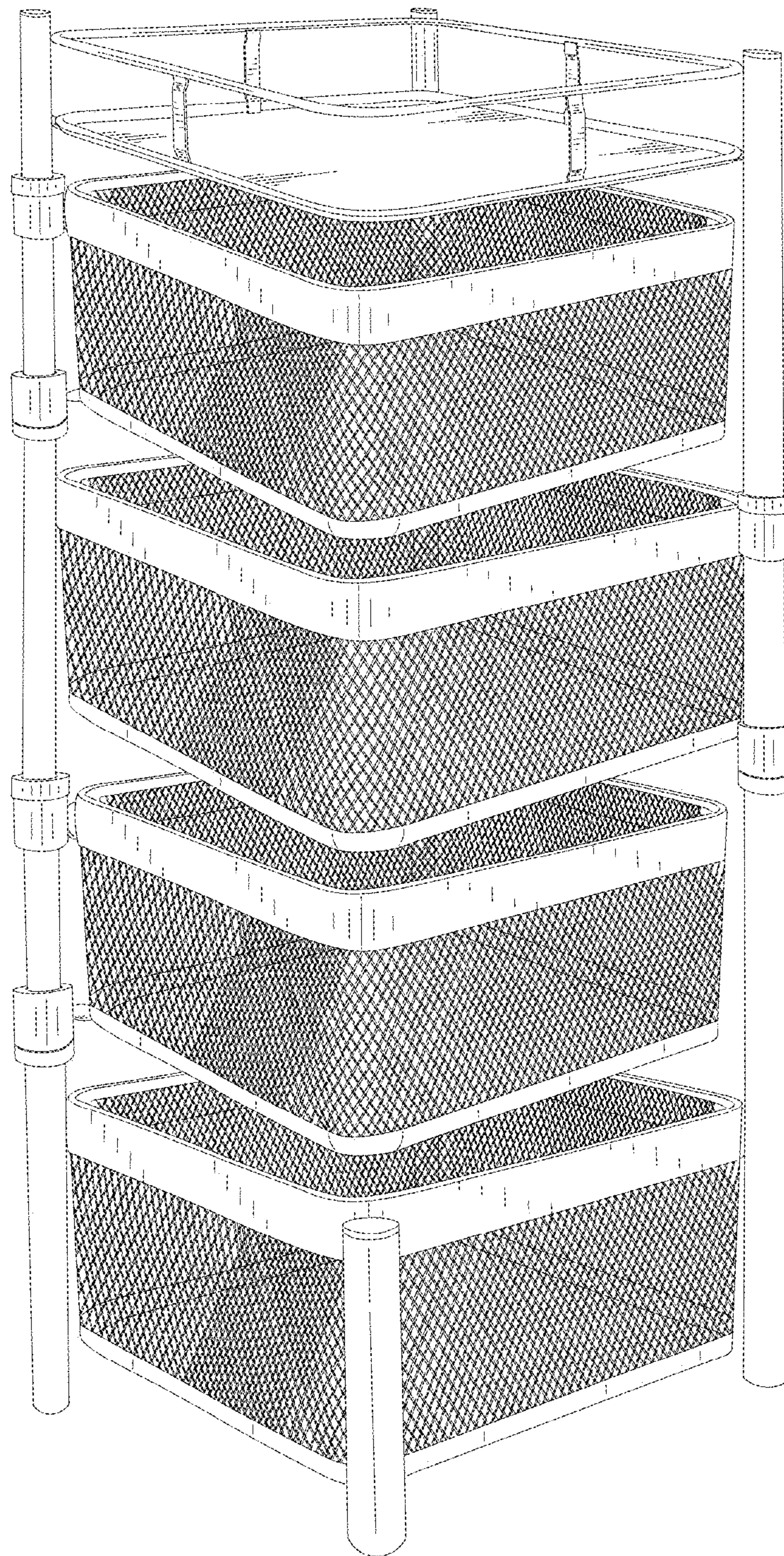


FIG. 11

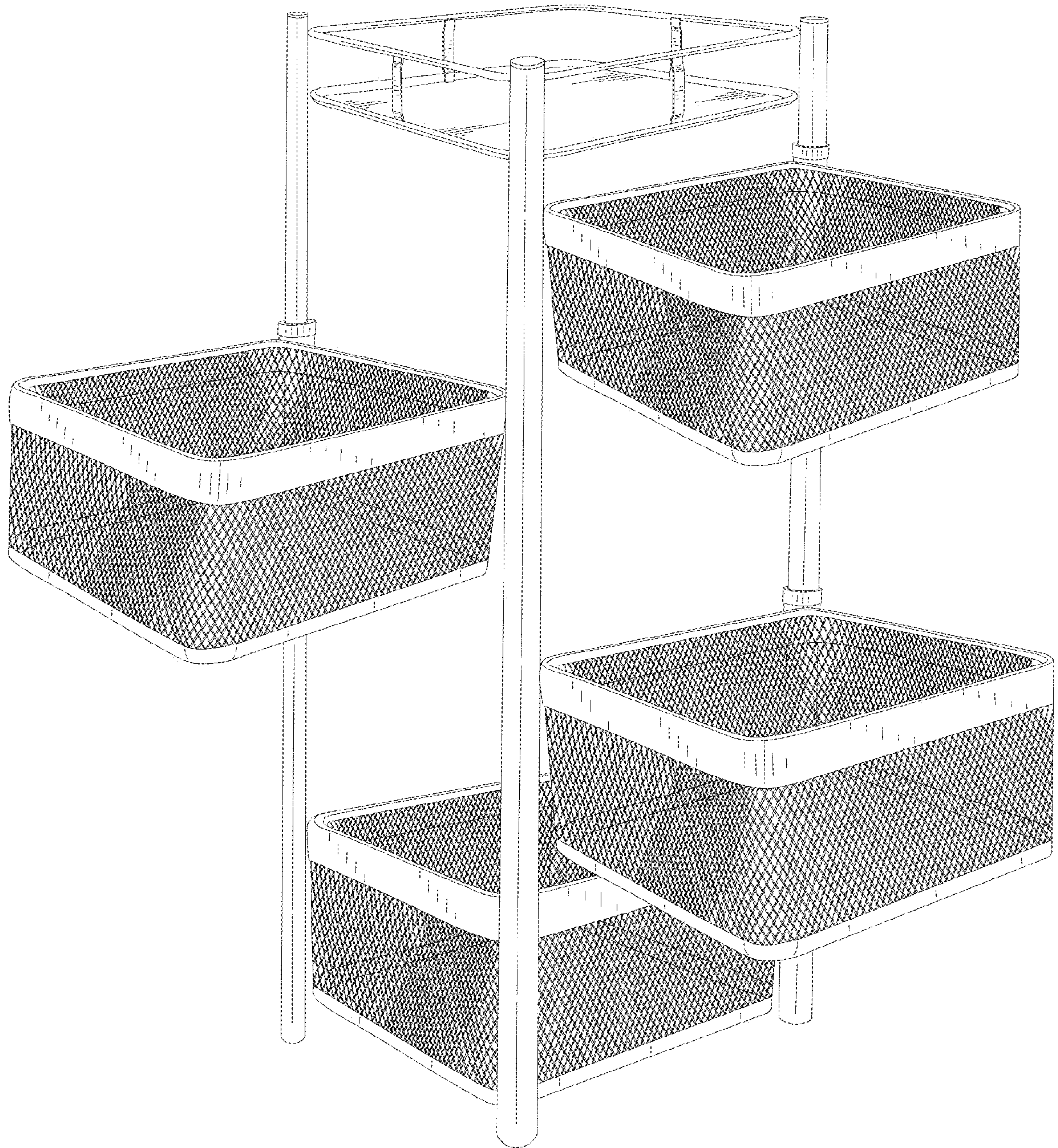


FIG. 12

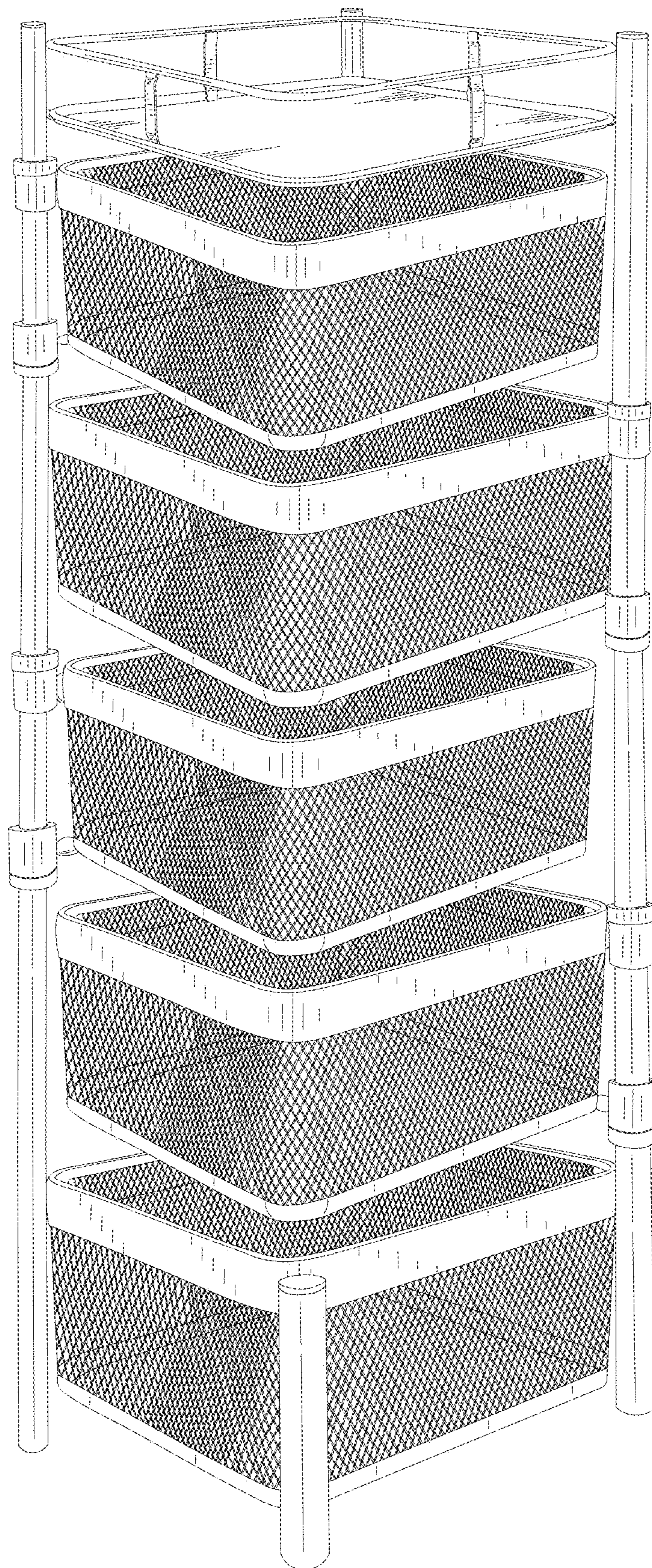


FIG. 13

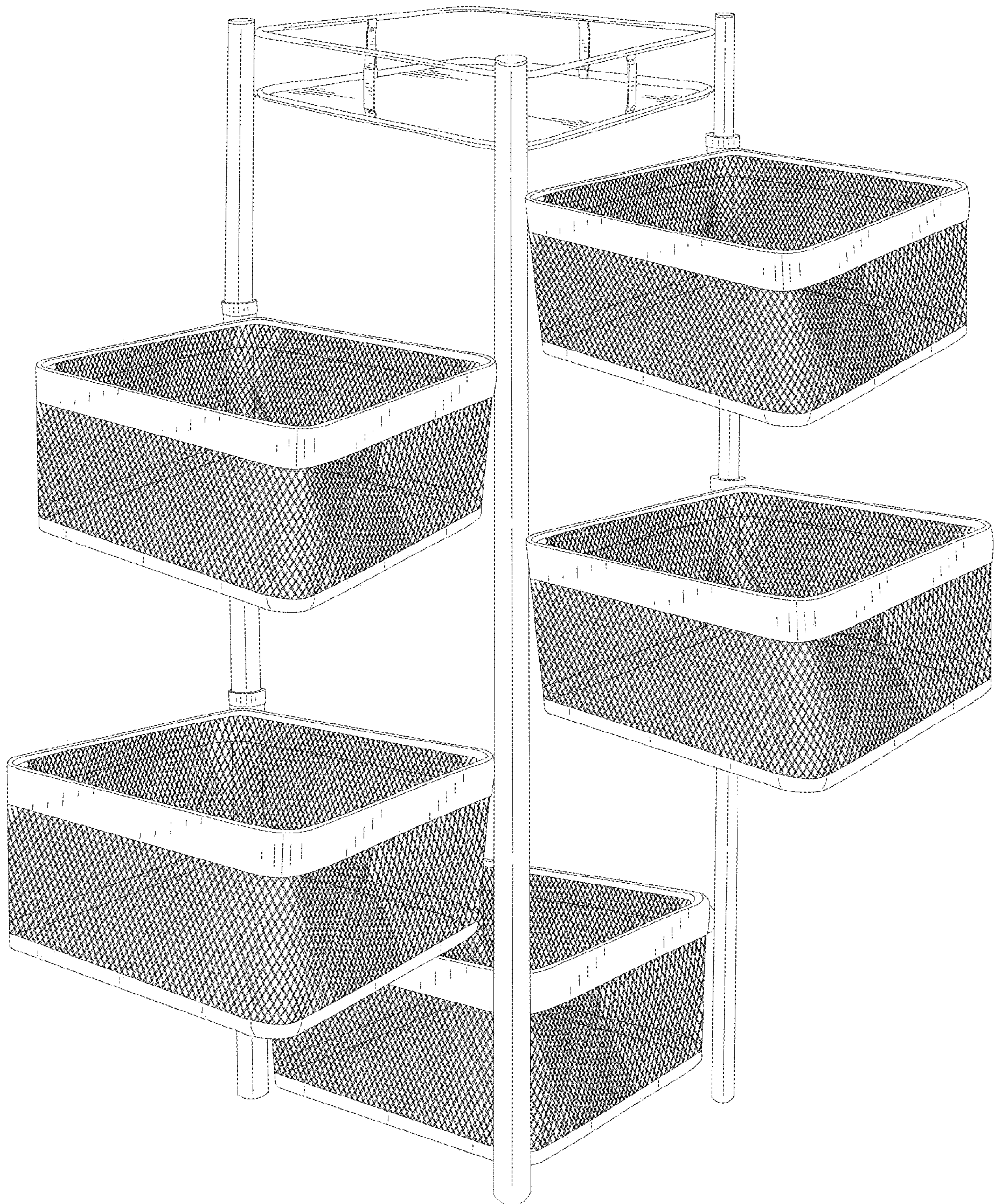


FIG. 14