



US00D411549S

# United States Patent [19]

[11] Patent Number: Des. 411,549

Garcia et al.

[45] Date of Patent: \*\* Jun. 29, 1999

[54] SANDING MACHINE

[57] CLAIM

[75] Inventors: **Jaime E. Garcia**, Wexford; **Ronald E. Young**, Cheswick, both of Pa.

The ornamental design for a sanding machine, as shown and described.

[73] Assignee: **Delta International Machinery Corp.**, Pittsburgh, Pa.

### DESCRIPTION

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

FIG. 1 is a front perspective view of the sanding machine of the present invention;

[21] Appl. No.: **29/090,456**

FIG. 2 is a rear perspective view of the invention of FIG. 1;

[22] Filed: **Jul. 9, 1998**

FIG. 3 is a front elevational view of the invention of FIG. 1;

[51] LOC (6) Cl. .... **15-09**

FIG. 4 is a rear elevational view of the invention of FIG. 1;

[52] U.S. Cl. .... **D15/125**

FIG. 5 is a top view of the invention of FIG. 1;

[58] Field of Search ..... D15/124, 125;  
451/906, 918, 411-414, 340

FIG. 6 is a bottom view of the invention of FIG. 1;

FIG. 7 is a left side elevational view of the invention of FIG. 1;

### [56] References Cited

FIG. 8 is a right side elevational view of the invention of FIG. 1;

#### U.S. PATENT DOCUMENTS

- D. 143,704 2/1946 Bogert et al. .... D15/124
- D. 345,366 3/1994 Hewitt .
- D. 349,292 8/1994 Chunn .
- D. 353,149 12/1994 Hewitt .
- D. 377,180 1/1997 Young et al. .
- 3,137,977 6/1964 Graves .
- 4,821,457 4/1989 Ianuzzi .
- 5,402,604 4/1995 Hashii et al. .
- 5,476,409 12/1995 Wada et al. .
- 5,582,534 12/1996 Shendon et al. .

FIG. 9 is a front perspective view of the invention of FIG. 1, further comprising a plurality of rectangular voids provided in a base portion and in a central portion of the invention;

#### OTHER PUBLICATIONS

Instruction Manual for Delta Model 31-780 Bench Oscillating Spindle Sander, dated Sep. 28, 1995.

FIG. 10 is a rear perspective view of the invention of FIG. 9;

“Oscillating Spindle Sanders”, *American Woodworker 1996 Tool Buyer’s Guide*, pp. 90-92.

FIG. 11 is a front elevational view of the invention of FIG. 9;

“Random-Orbit Sanders”, *Fine Woodworking* (Jan./Feb. 1992), pp. 47-51.

FIG. 12 is a rear elevational view of the invention of FIG. 9;

“Buyers Guide to Random-Orbit Sanders”, *American Woodworker*, Aug. 1994, pp. 31-37.

FIG. 13 is a top view of the invention of FIG. 9;

*Primary Examiner*—Antoine Duval Davis  
*Attorney, Agent, or Firm*—Kirkpatrick & Lockhart LLP

FIG. 14 is a bottom view of the invention of FIG. 9;

FIG. 15 is a left side elevational view of the invention of FIG. 9;

FIG. 16 is a right side elevational view of the invention of FIG. 9;

FIG. 17 is a front perspective view of the invention of FIG. 9, further comprising on an upper portion of the invention visible portions of a circular platen and a ring-shaped region surrounding the platen;

FIG. 18 is a rear perspective view of the invention of FIG. 17;

FIG. 19 is a front elevational view of the invention of FIG. 17;

FIG. 20 is a rear elevational view of the invention of FIG. 17;

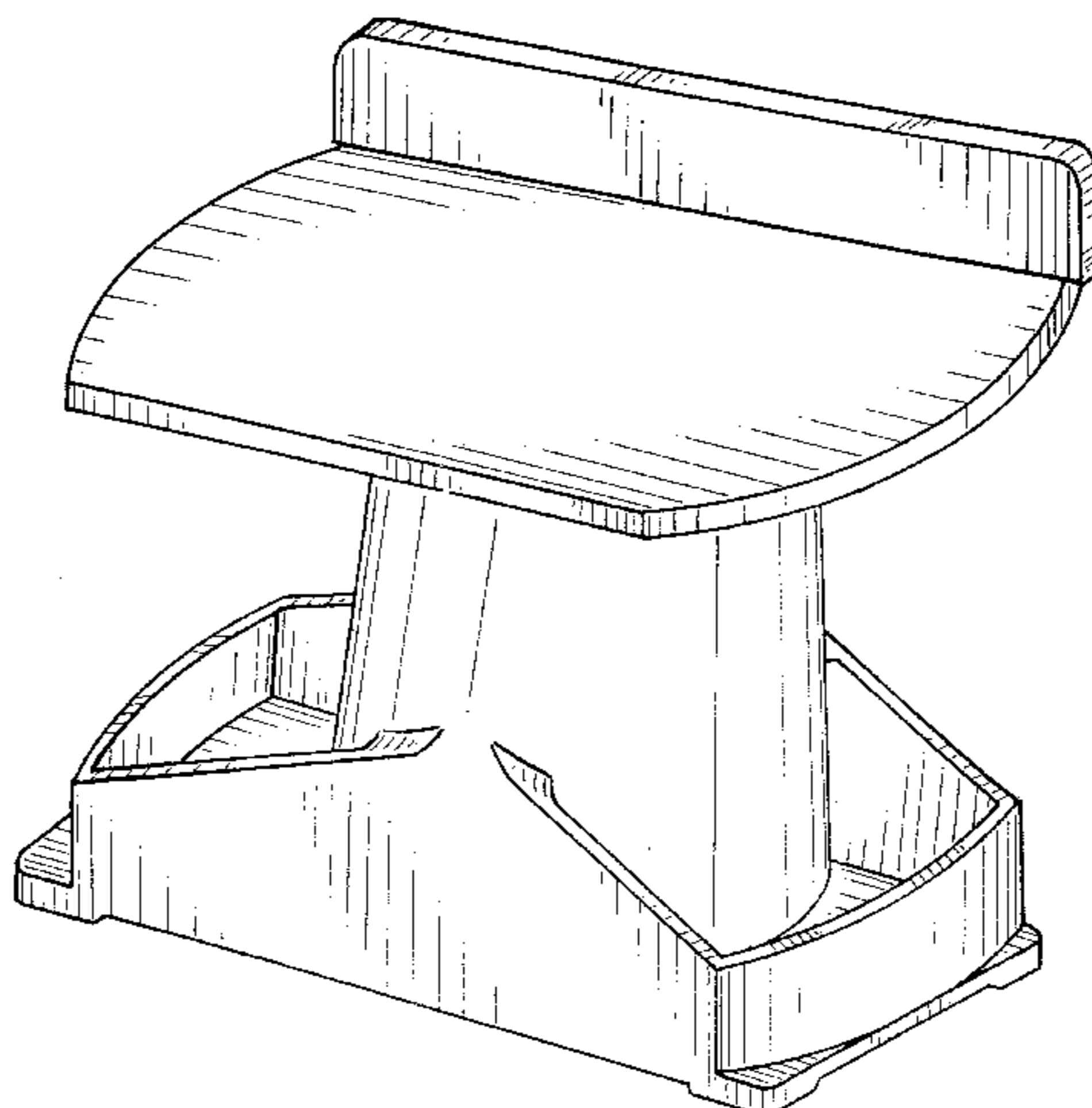


FIG. 21 is a top view of the invention of FIG. 17;  
FIG. 22 is a bottom view of the invention of FIG. 17;  
FIG. 23 is a left side elevational view of the invention of  
FIG. 17; and,

FIG. 24 is a right side elevational view of the invention of  
FIG. 17.

**1 Claim, 15 Drawing Sheets**

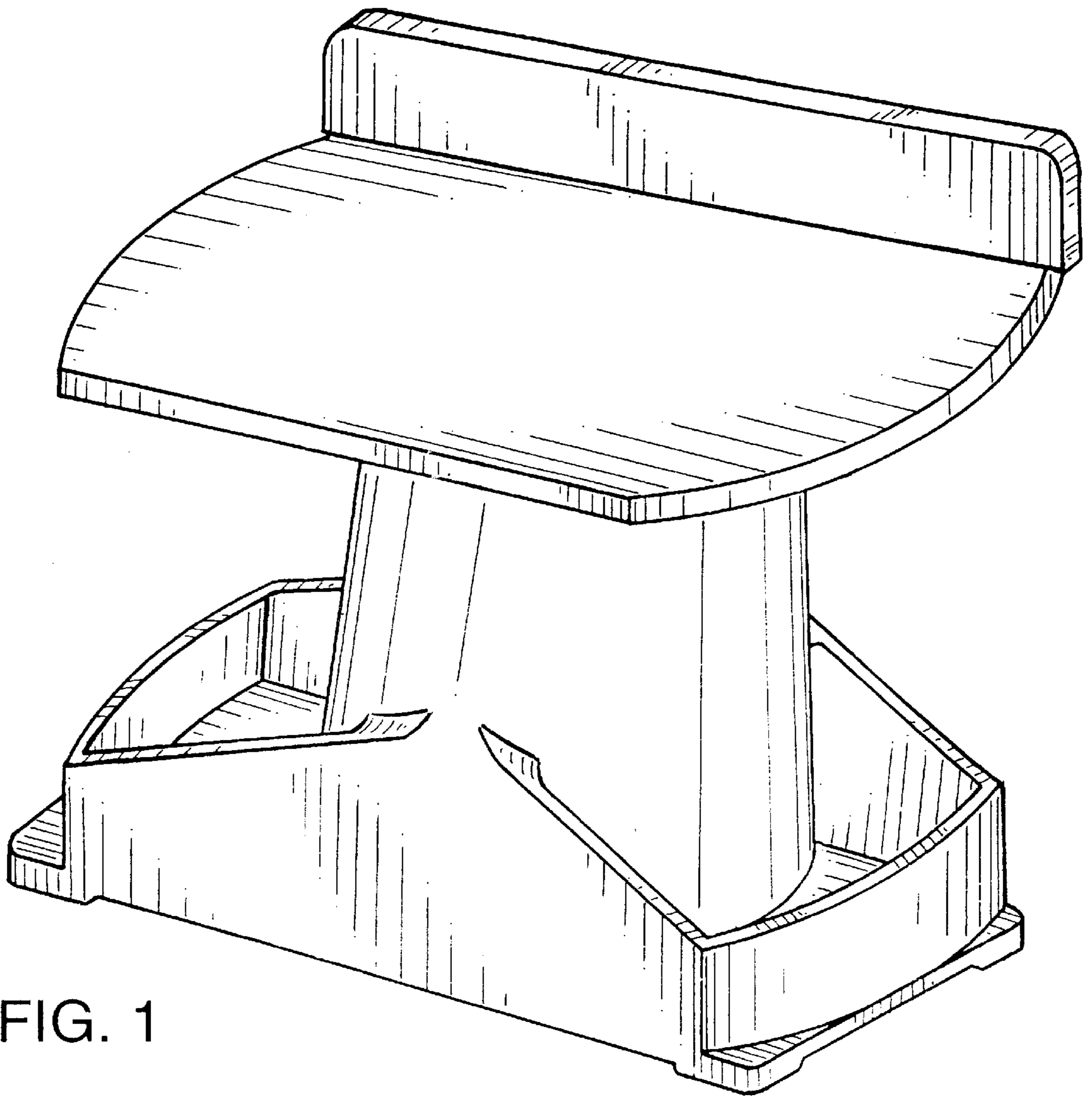


FIG. 1

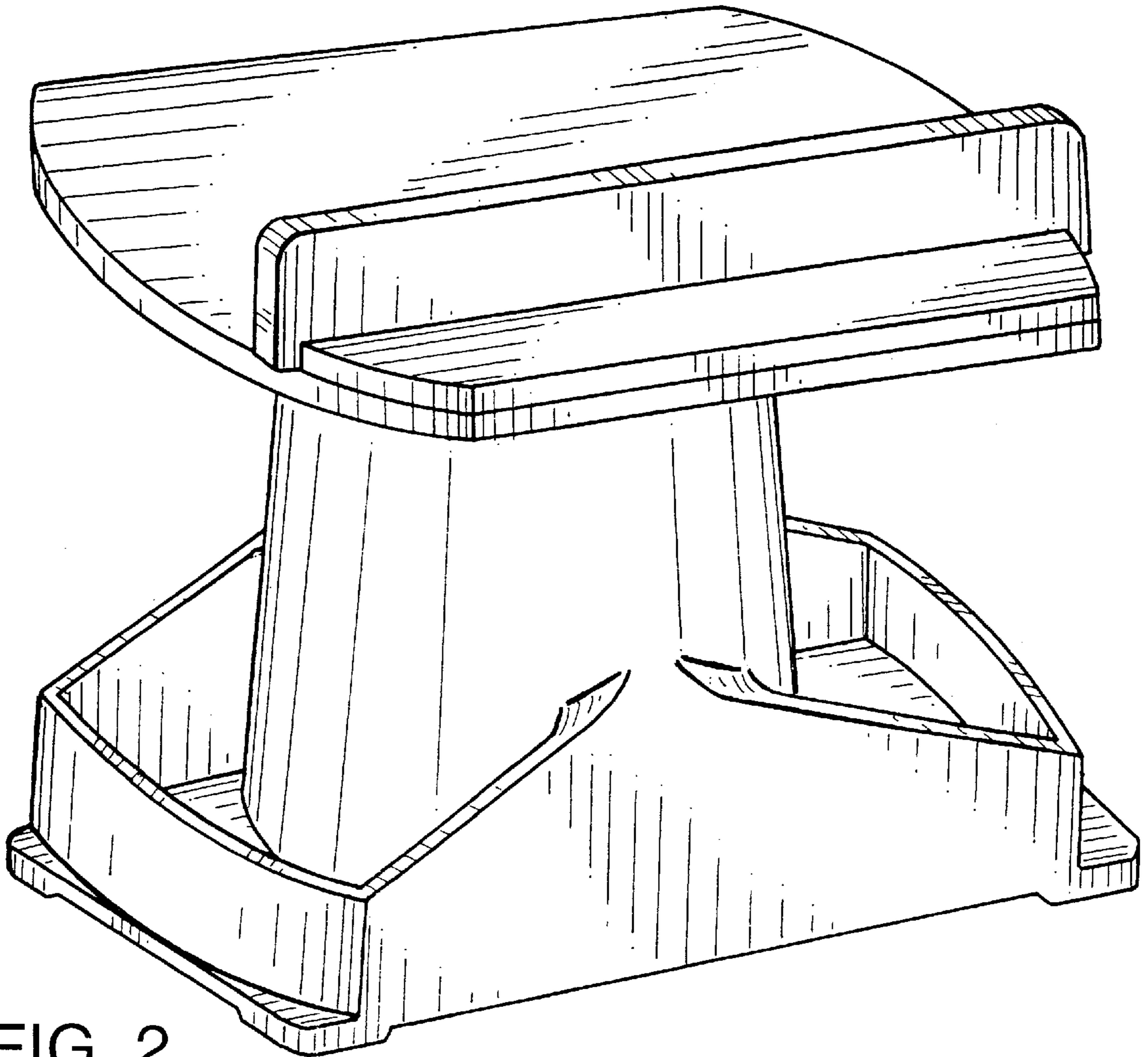


FIG. 2

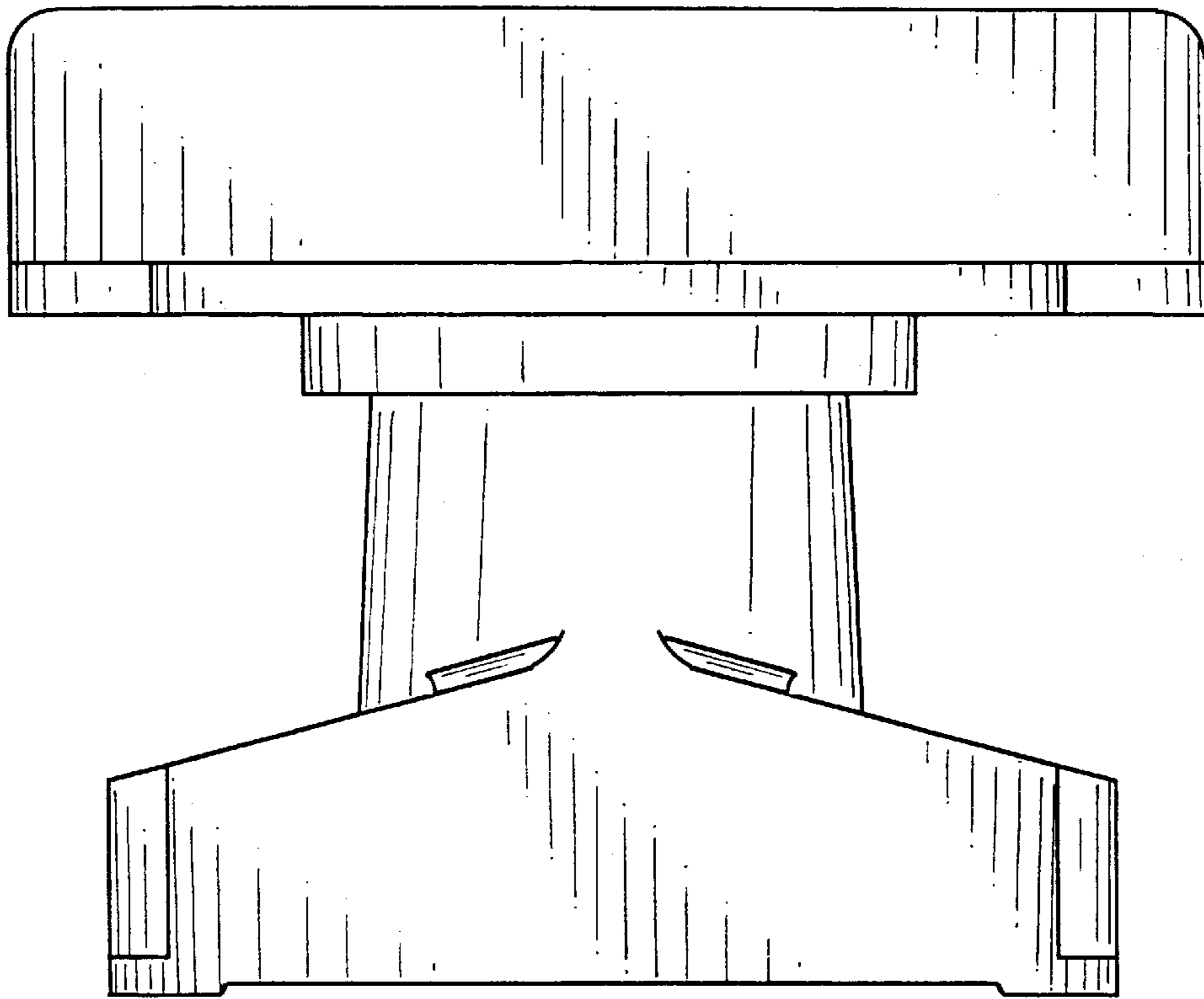


FIG. 3

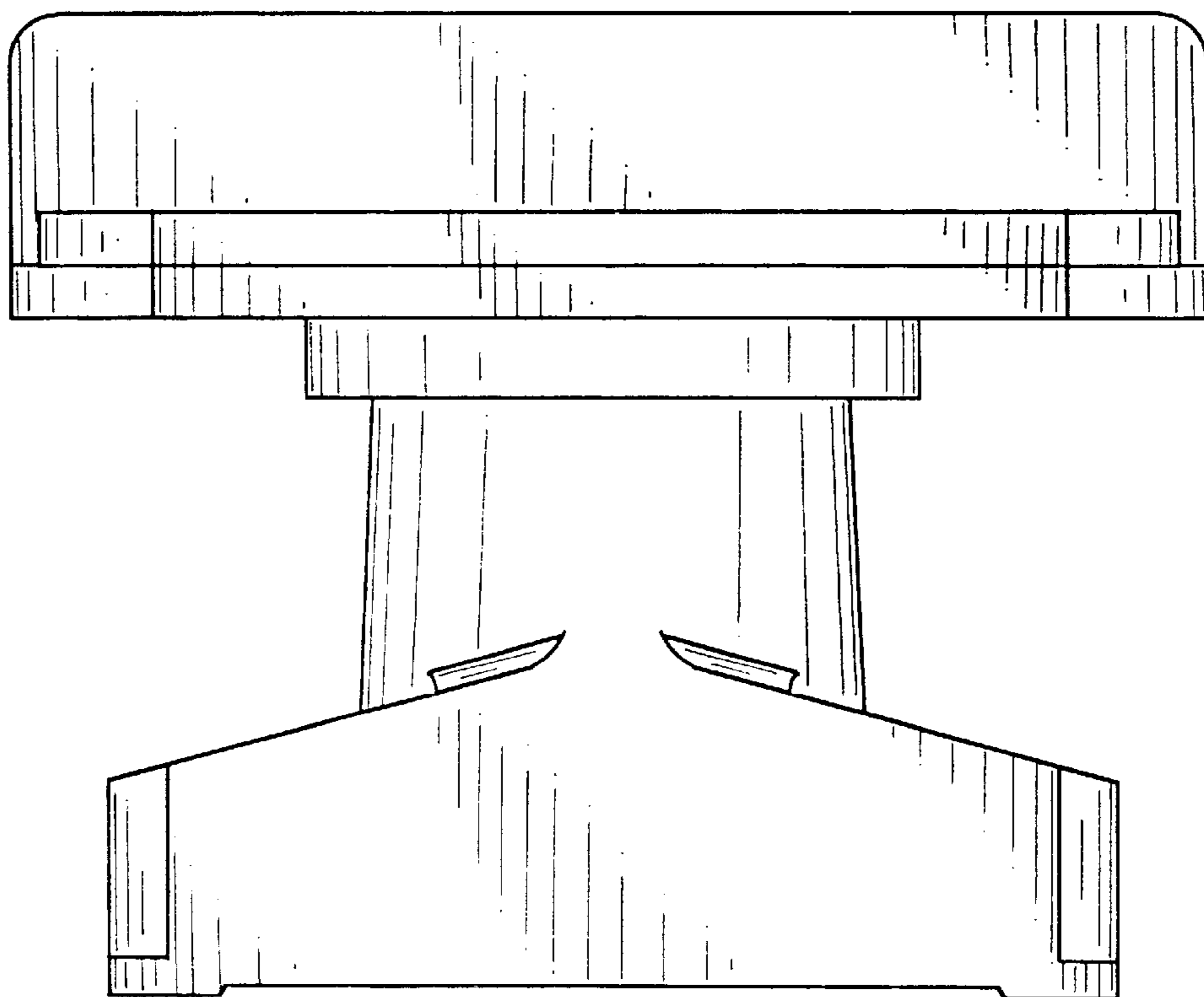


FIG. 4

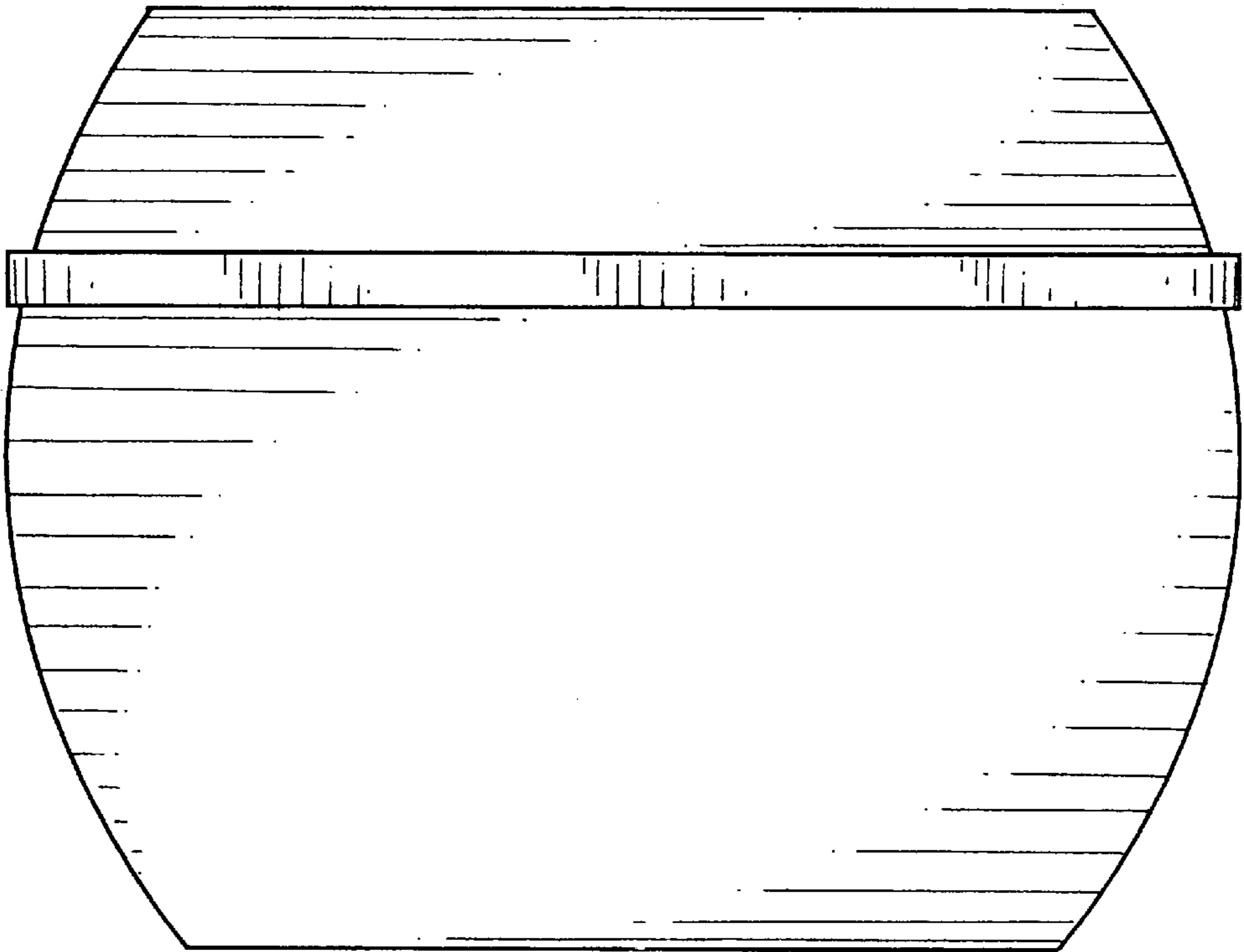


FIG. 5

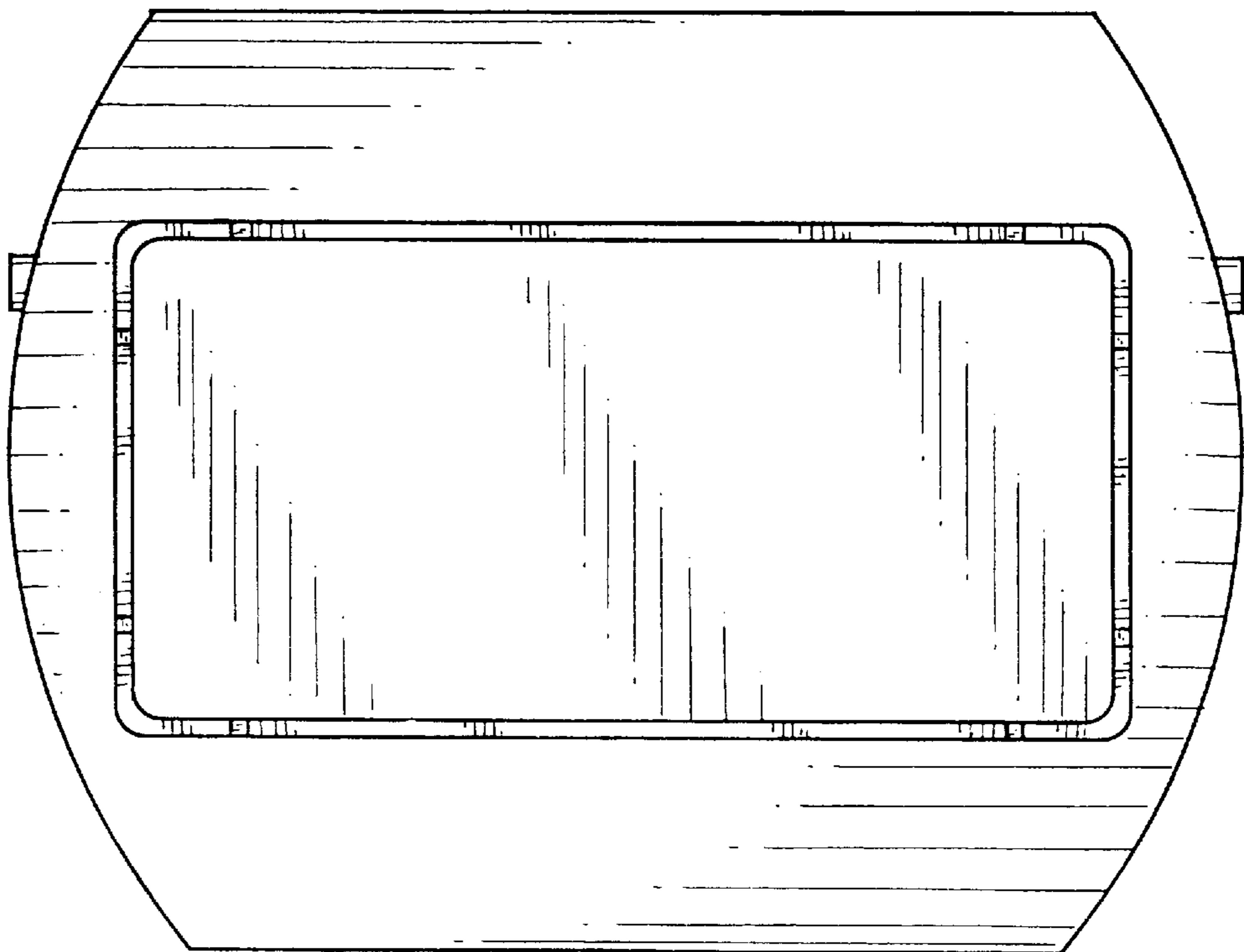


FIG. 6

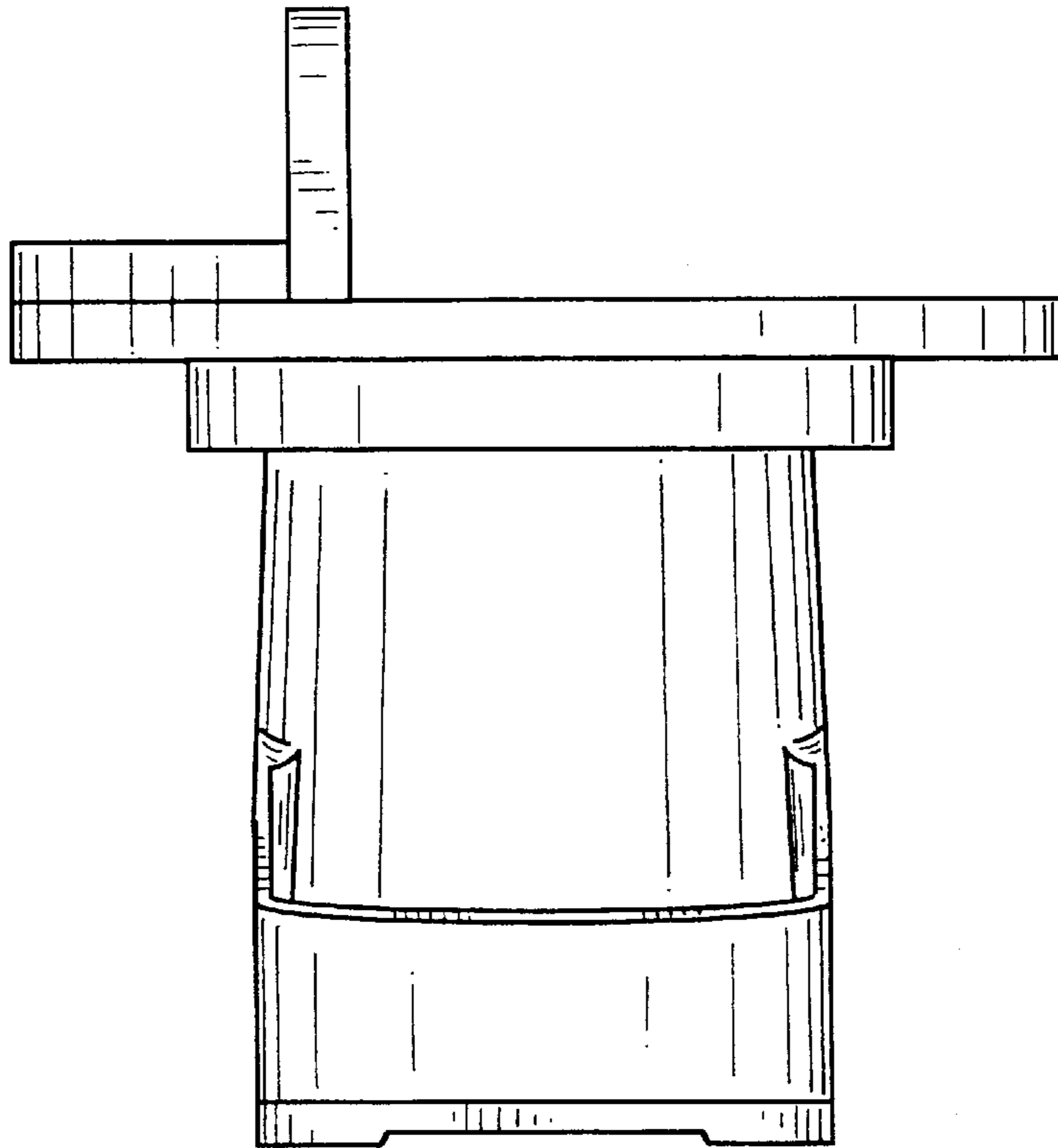


FIG. 7

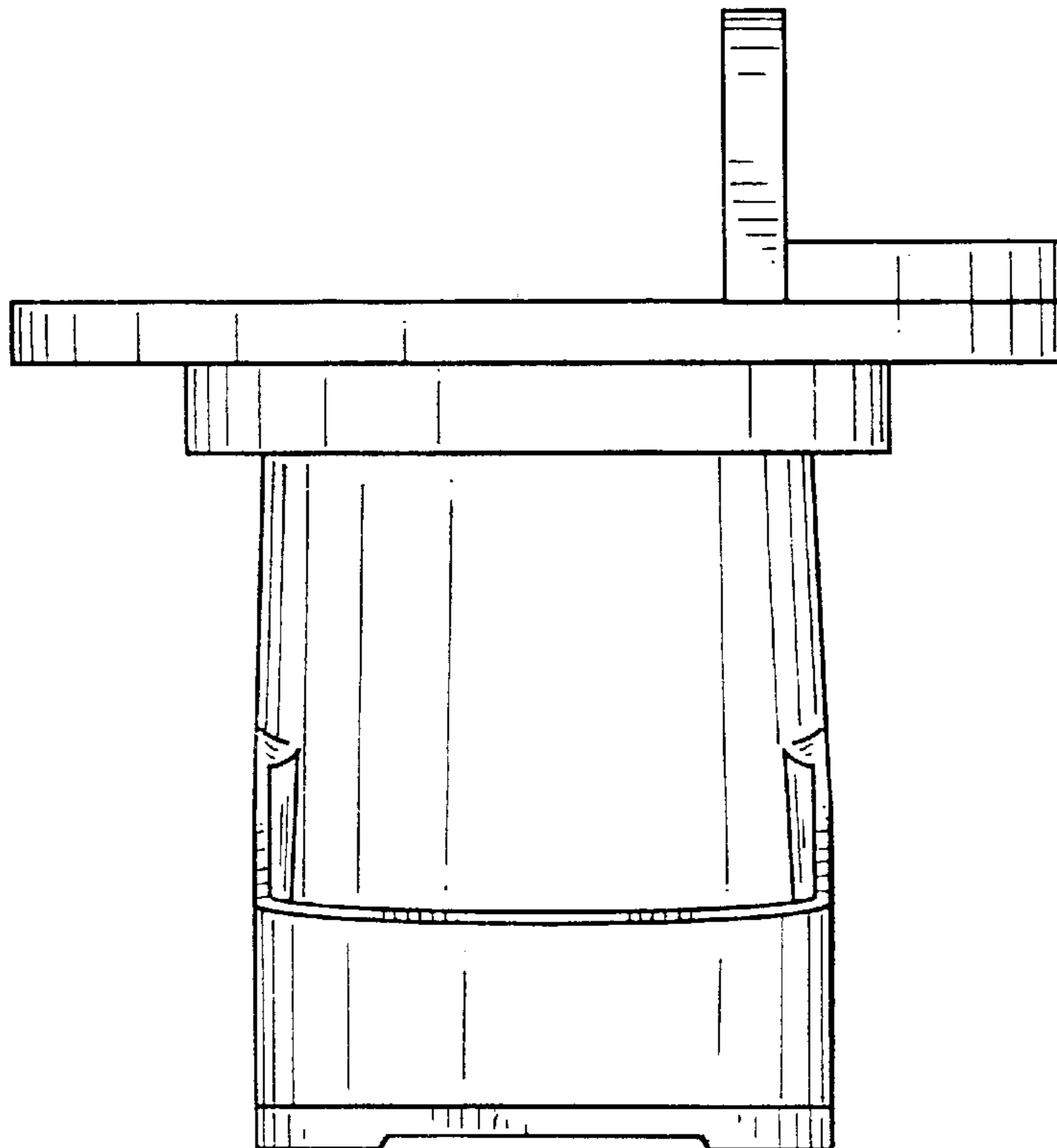


FIG. 8

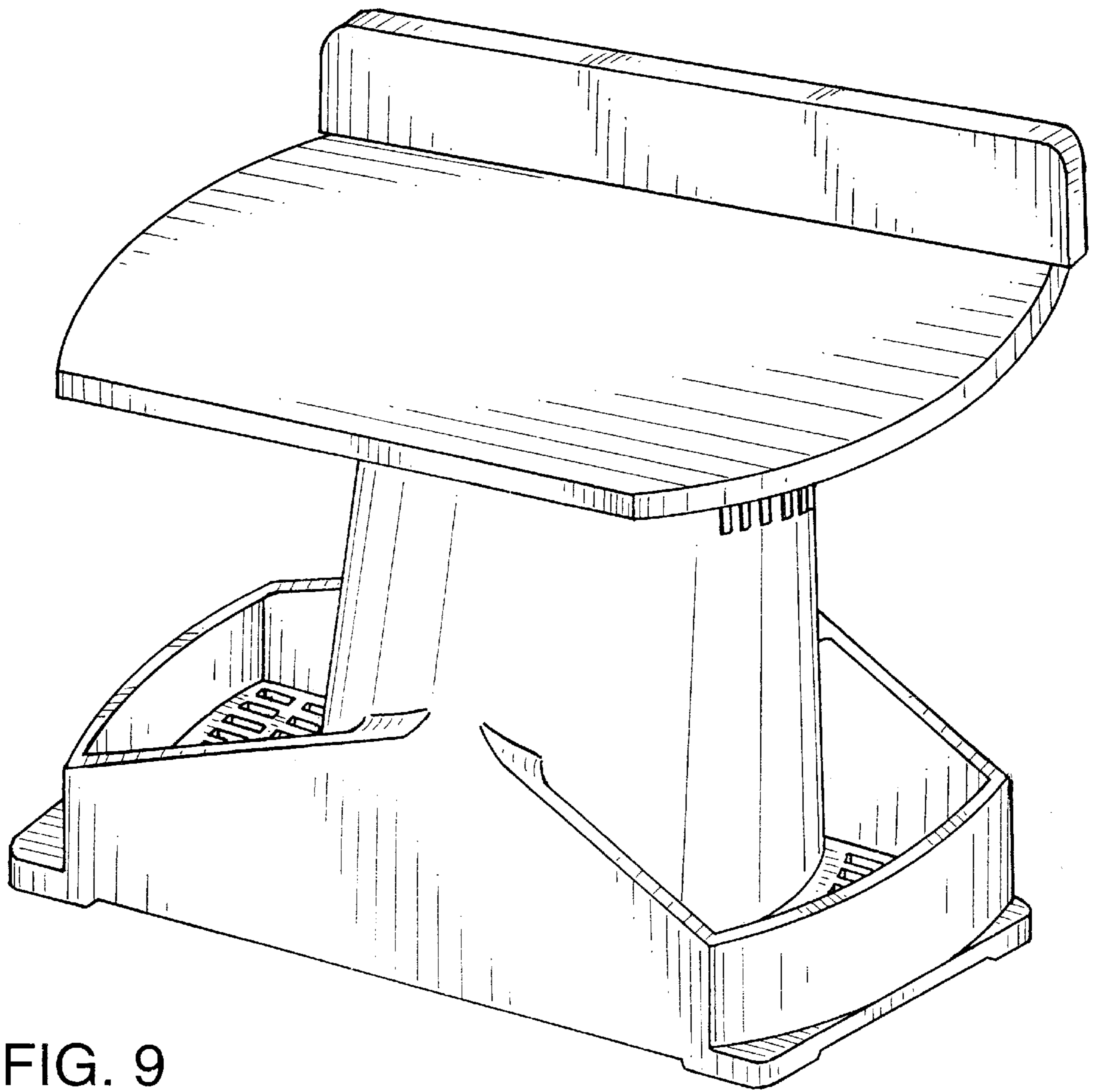


FIG. 9



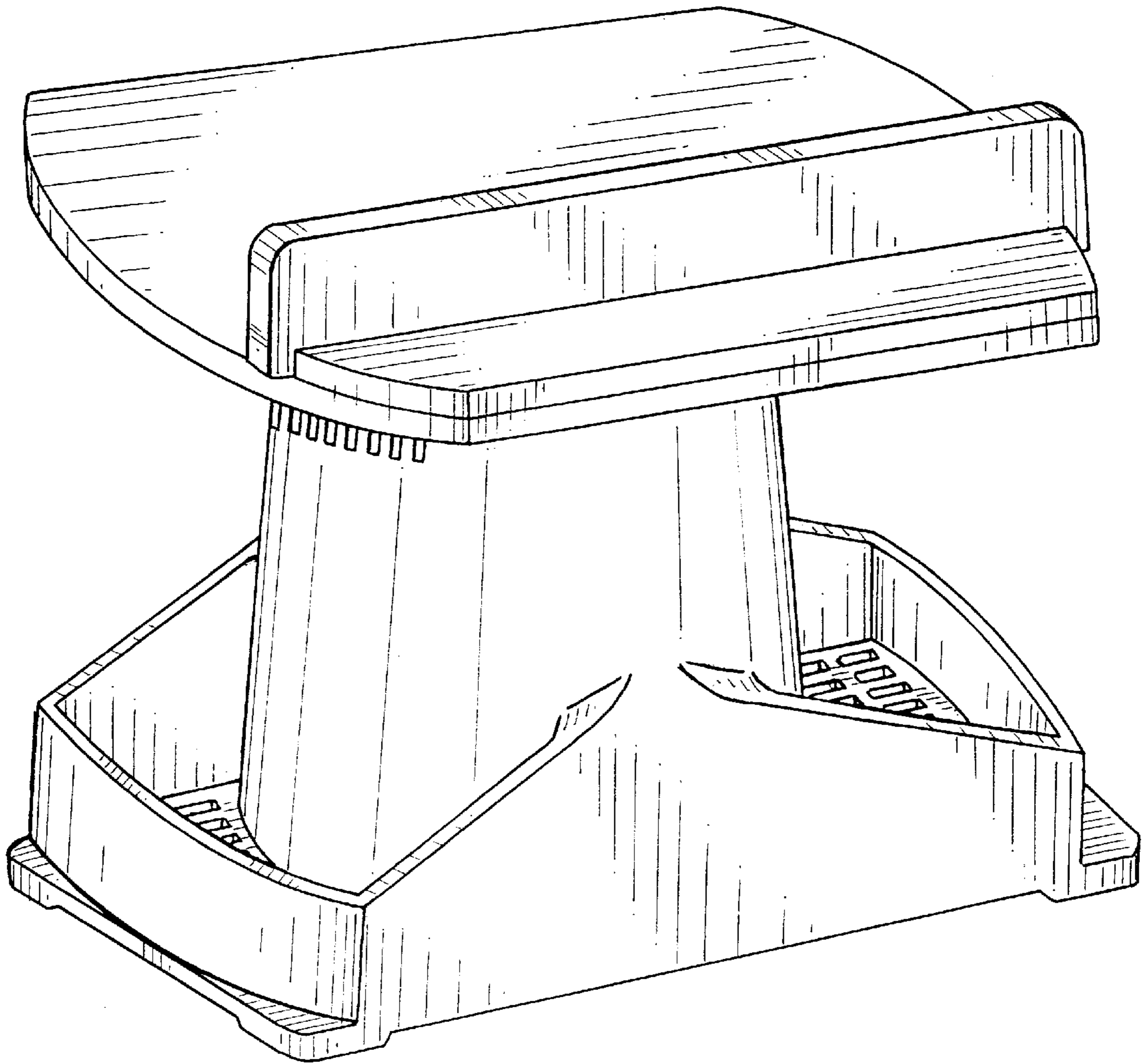


FIG. 10

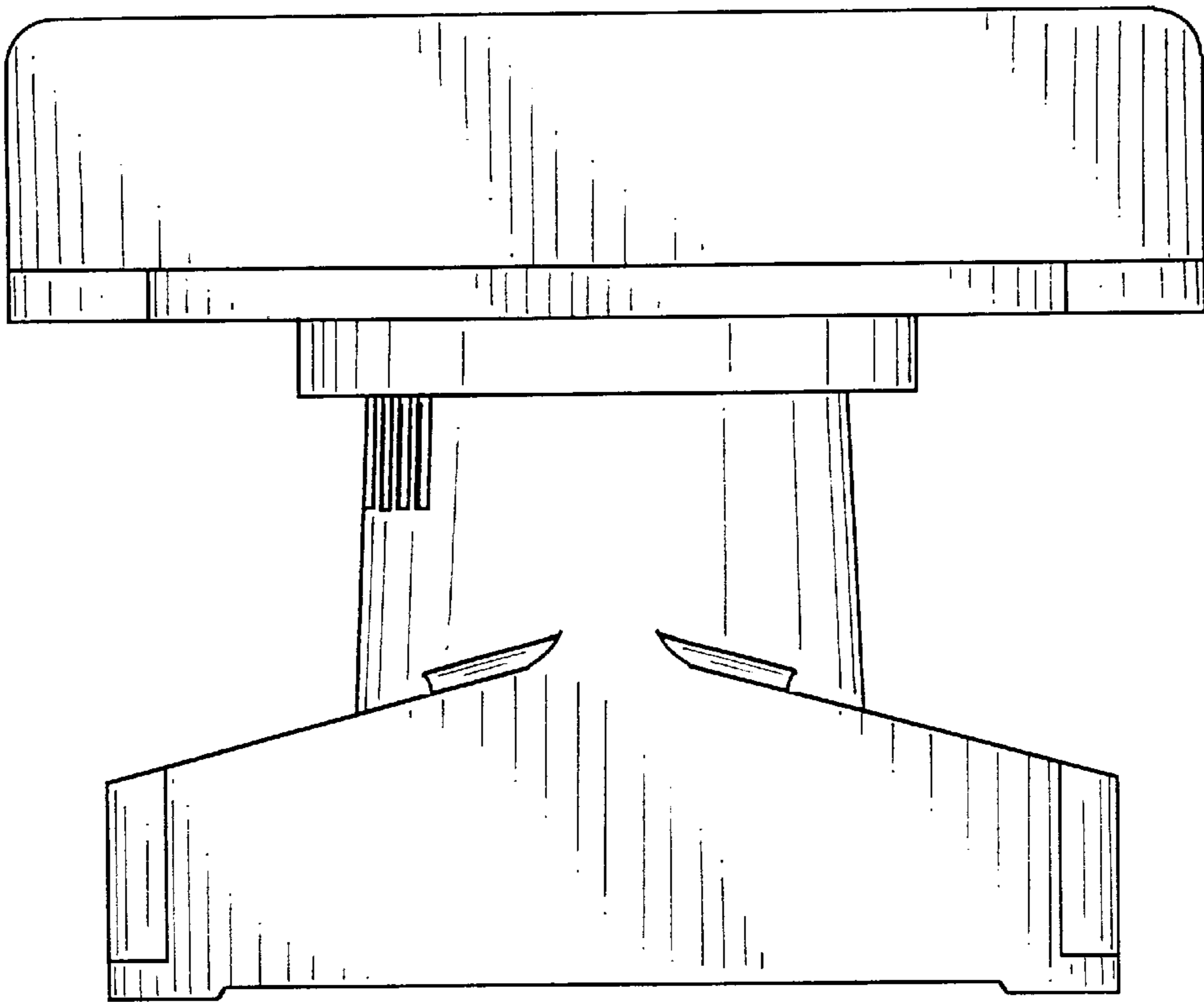


FIG. 11

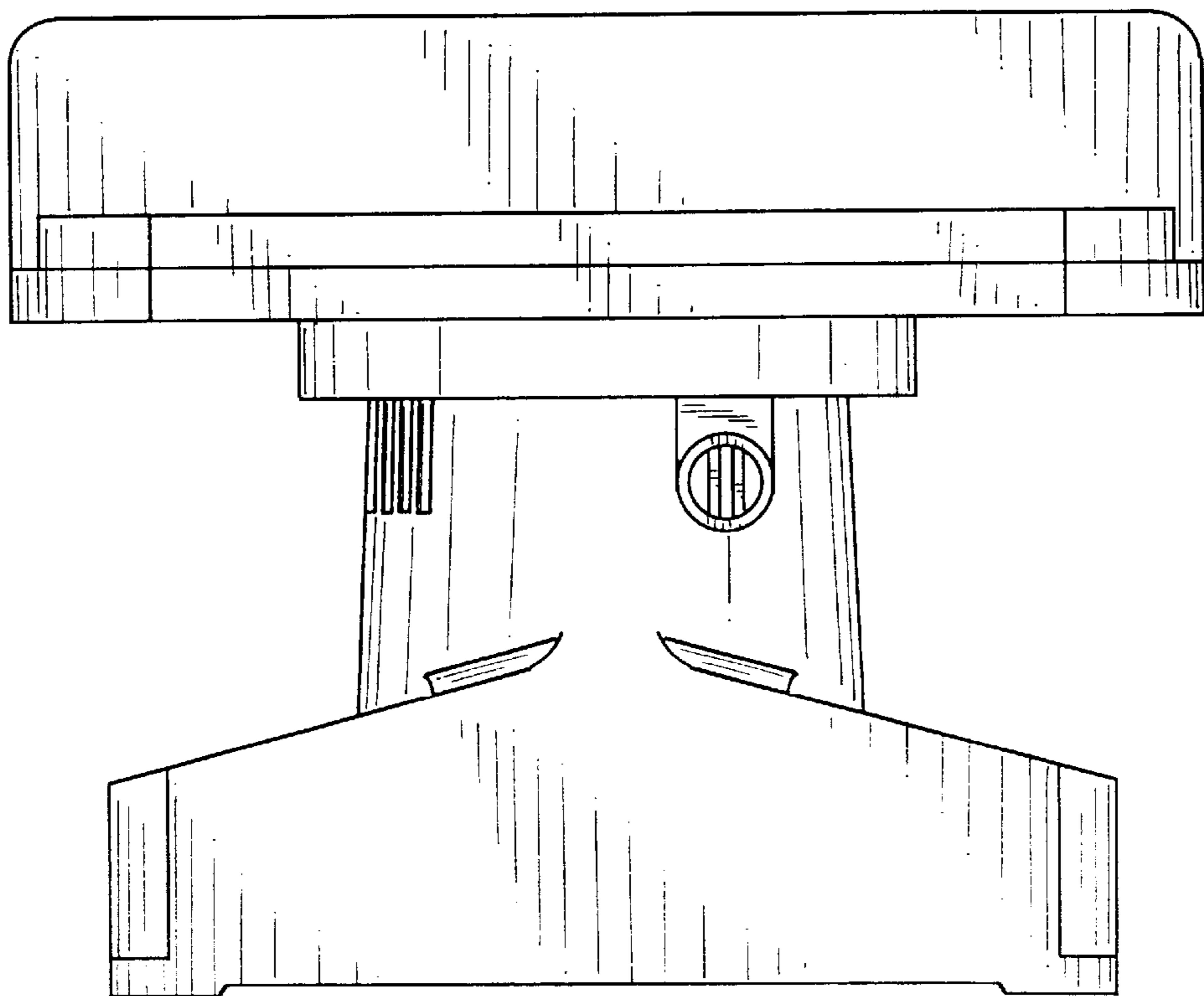


FIG. 12

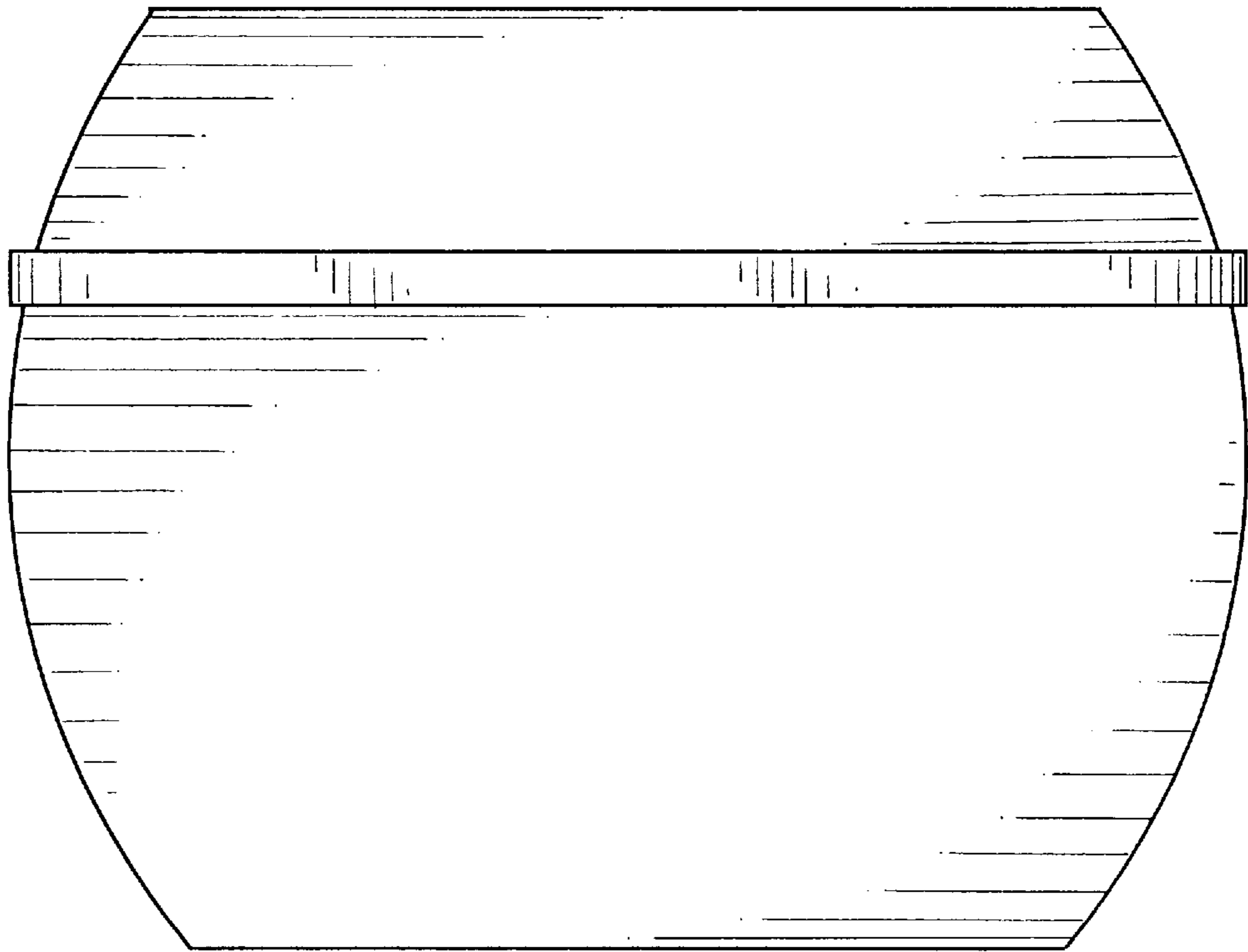


FIG. 13

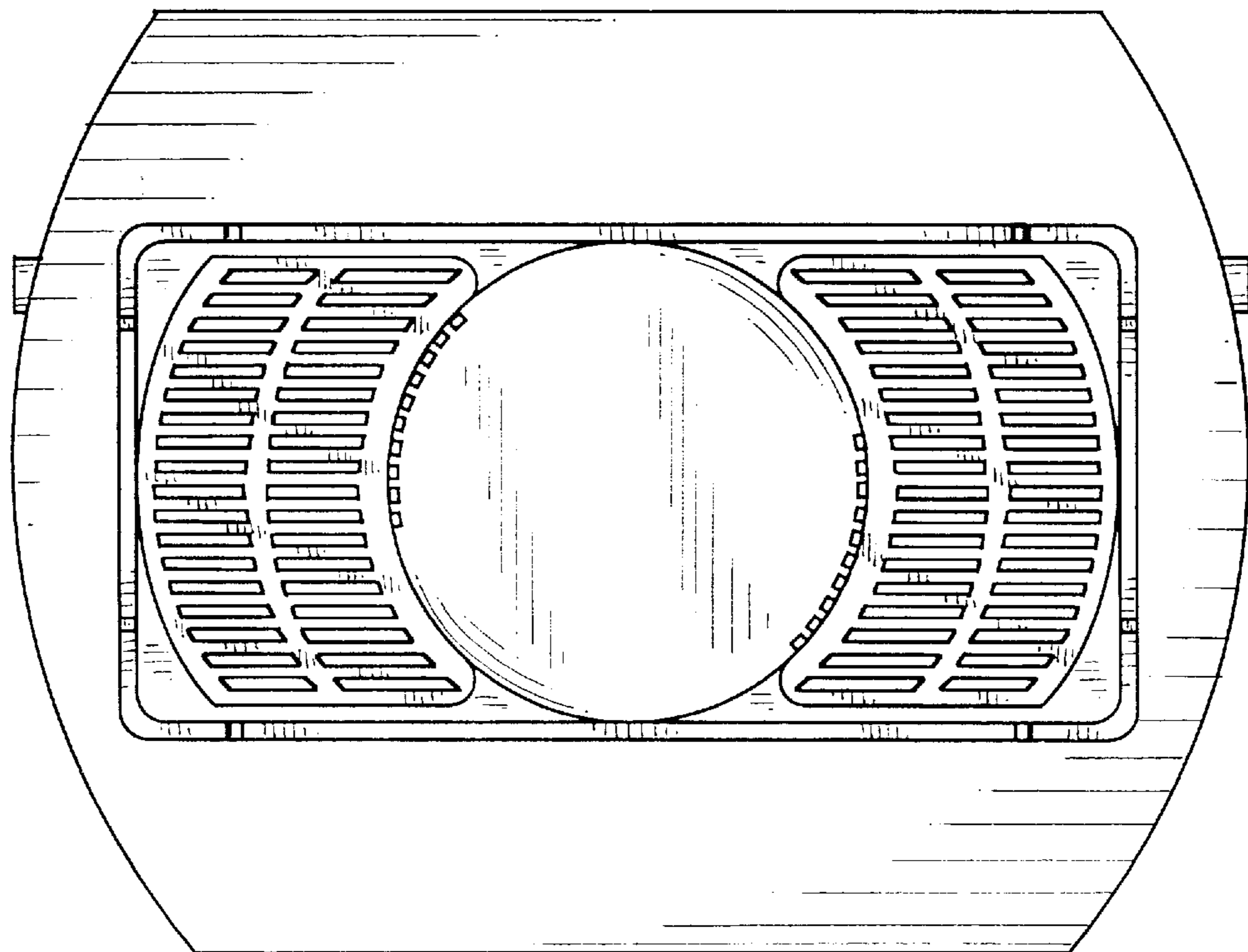


FIG. 14

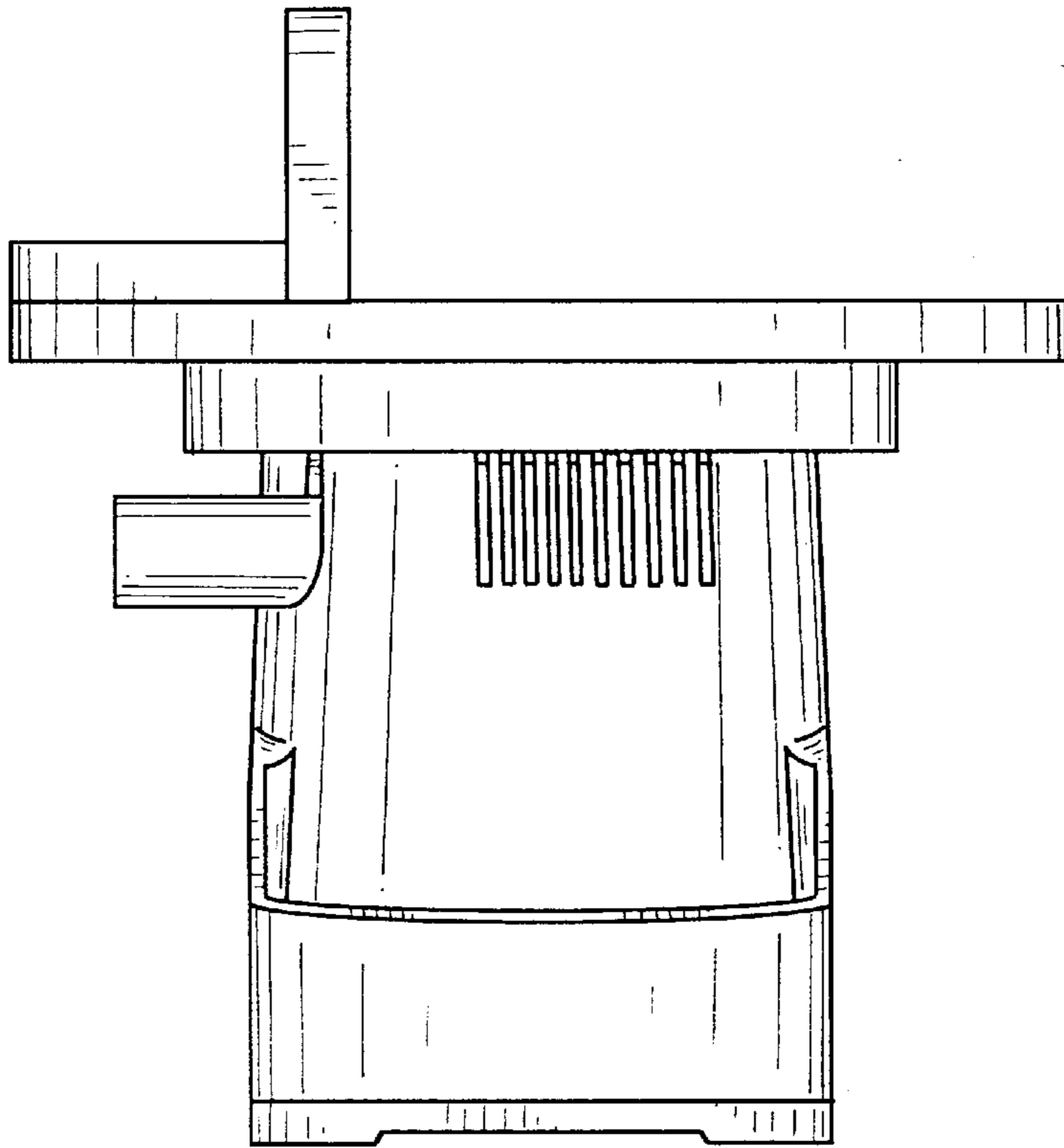


FIG. 15

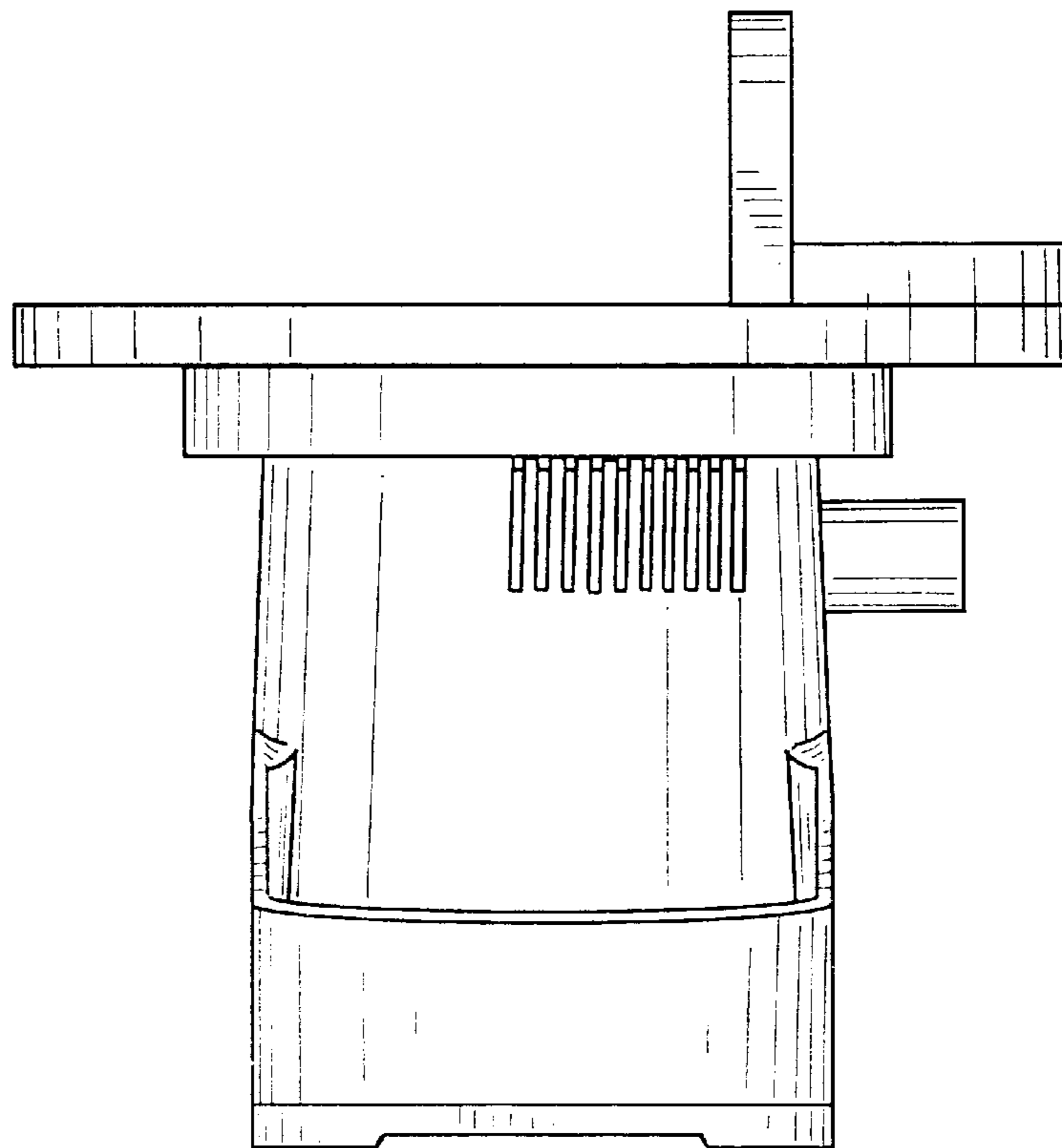


FIG. 16

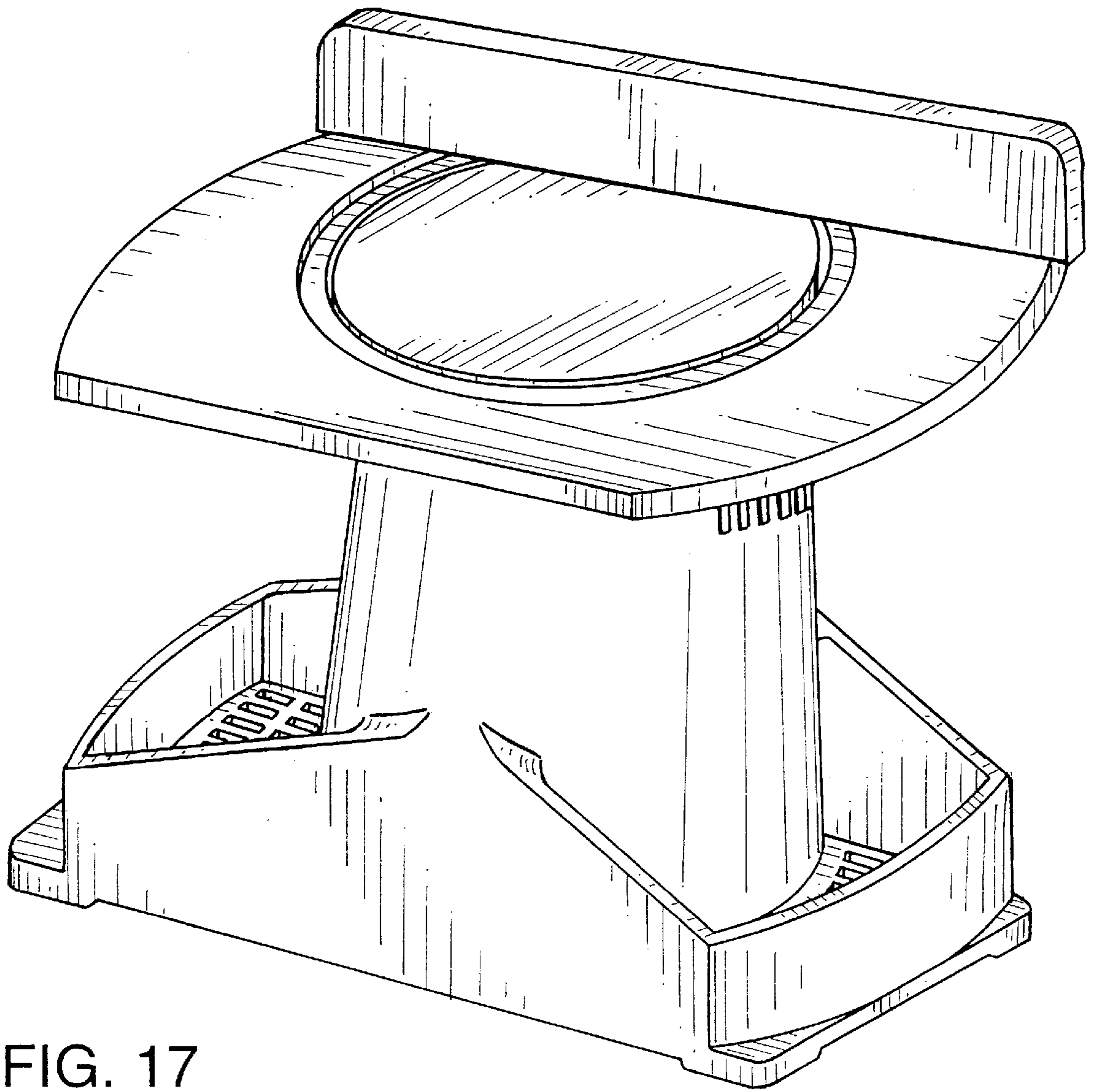


FIG. 17

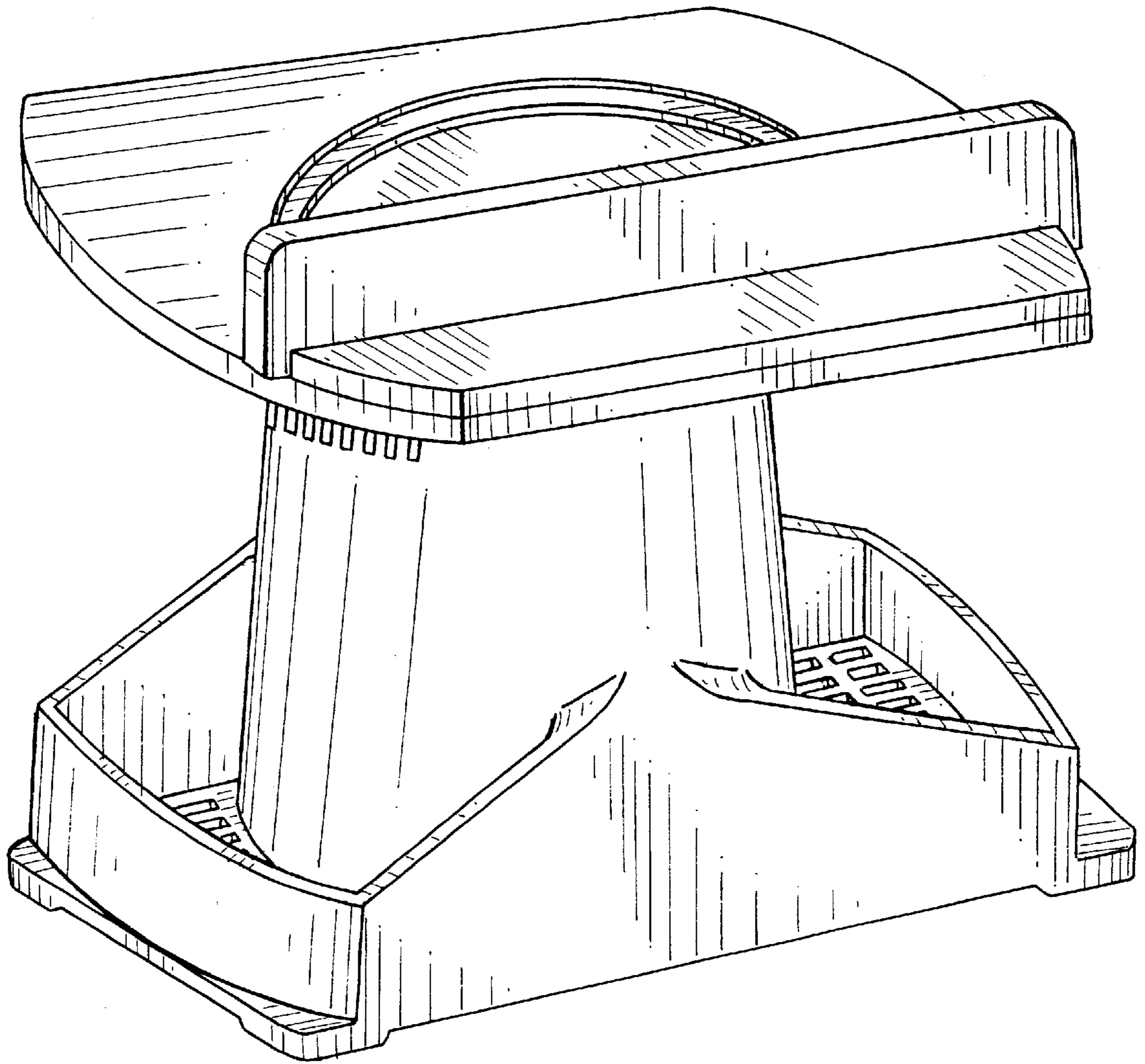


FIG. 18

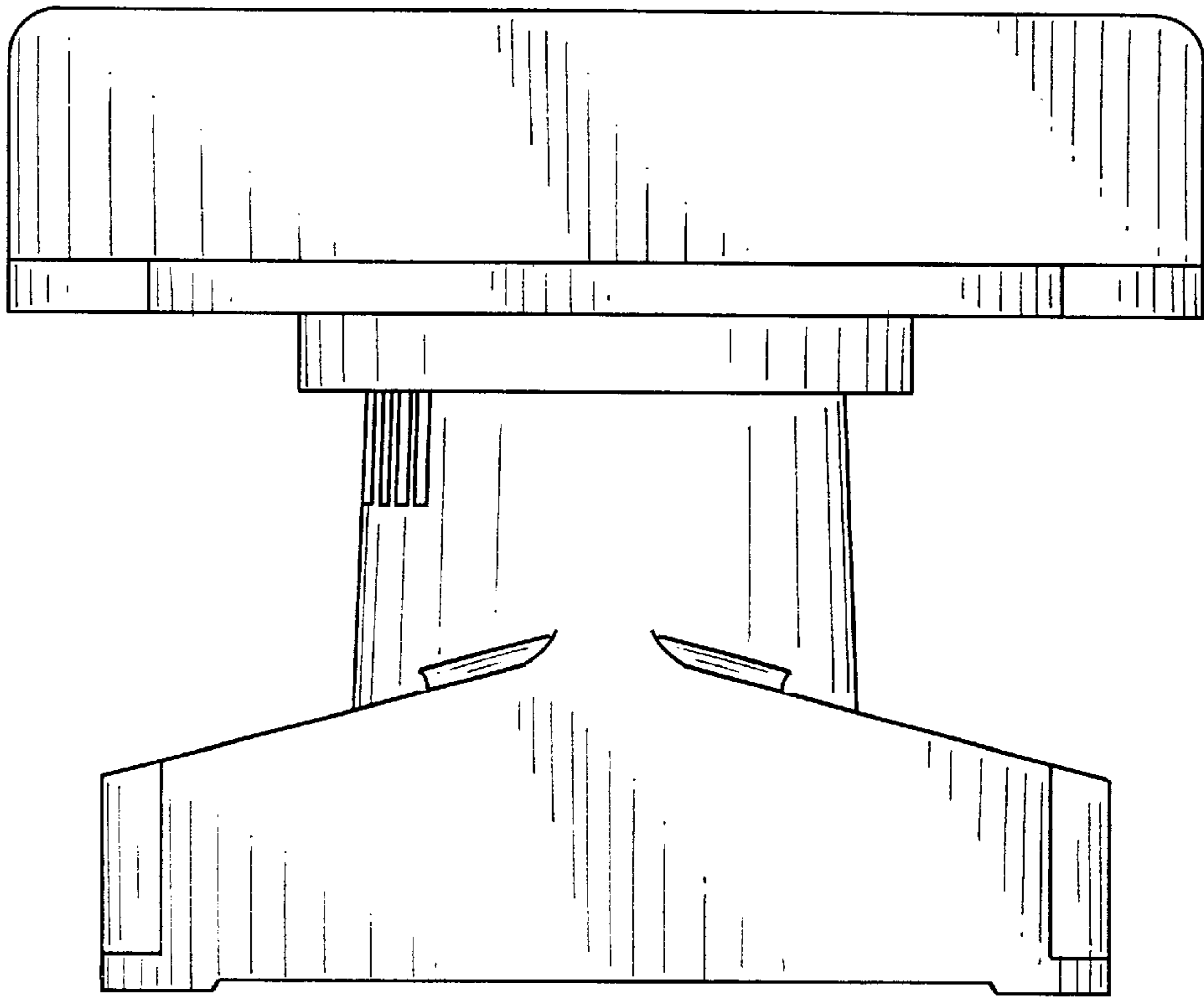


FIG. 19

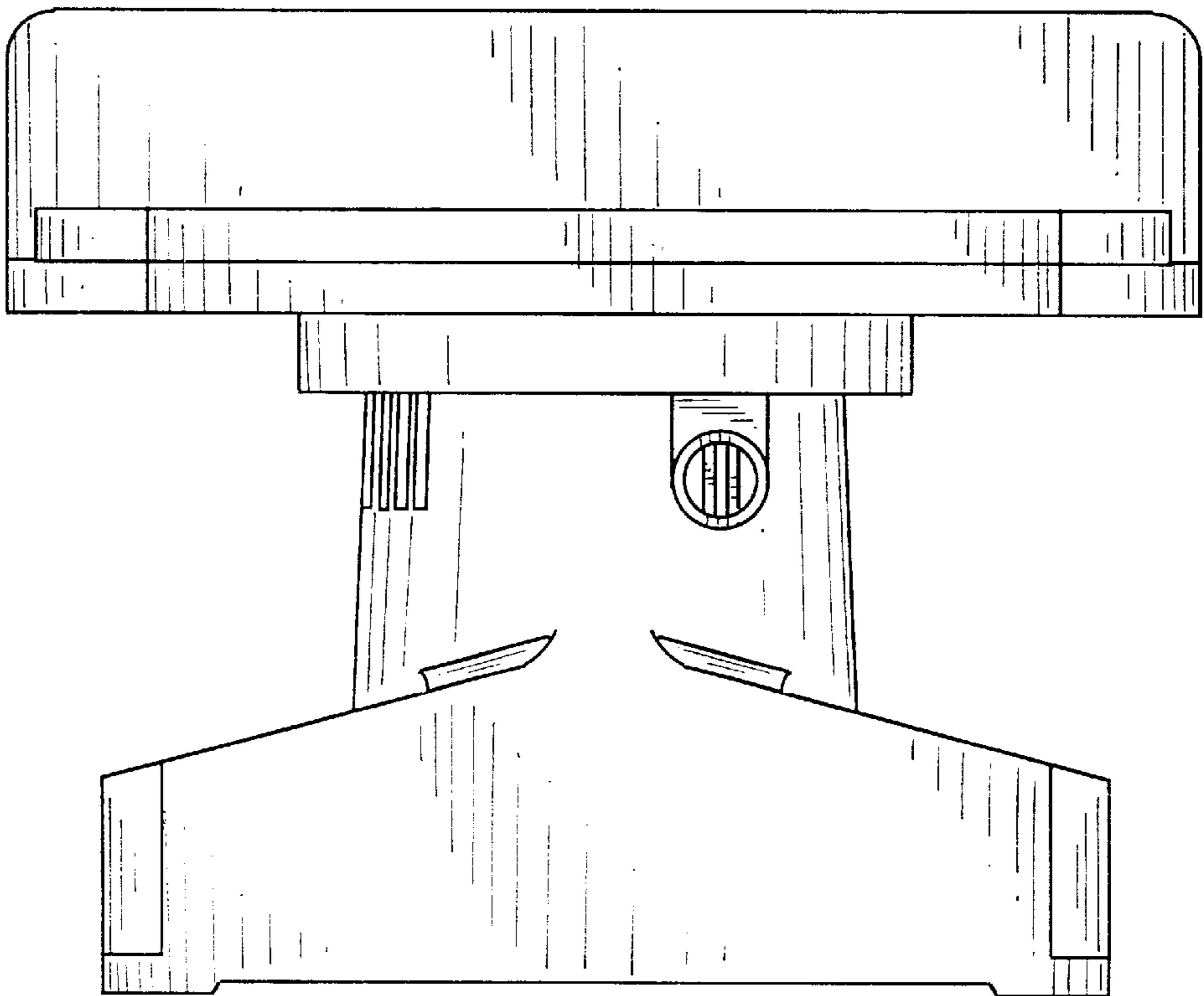


FIG. 20

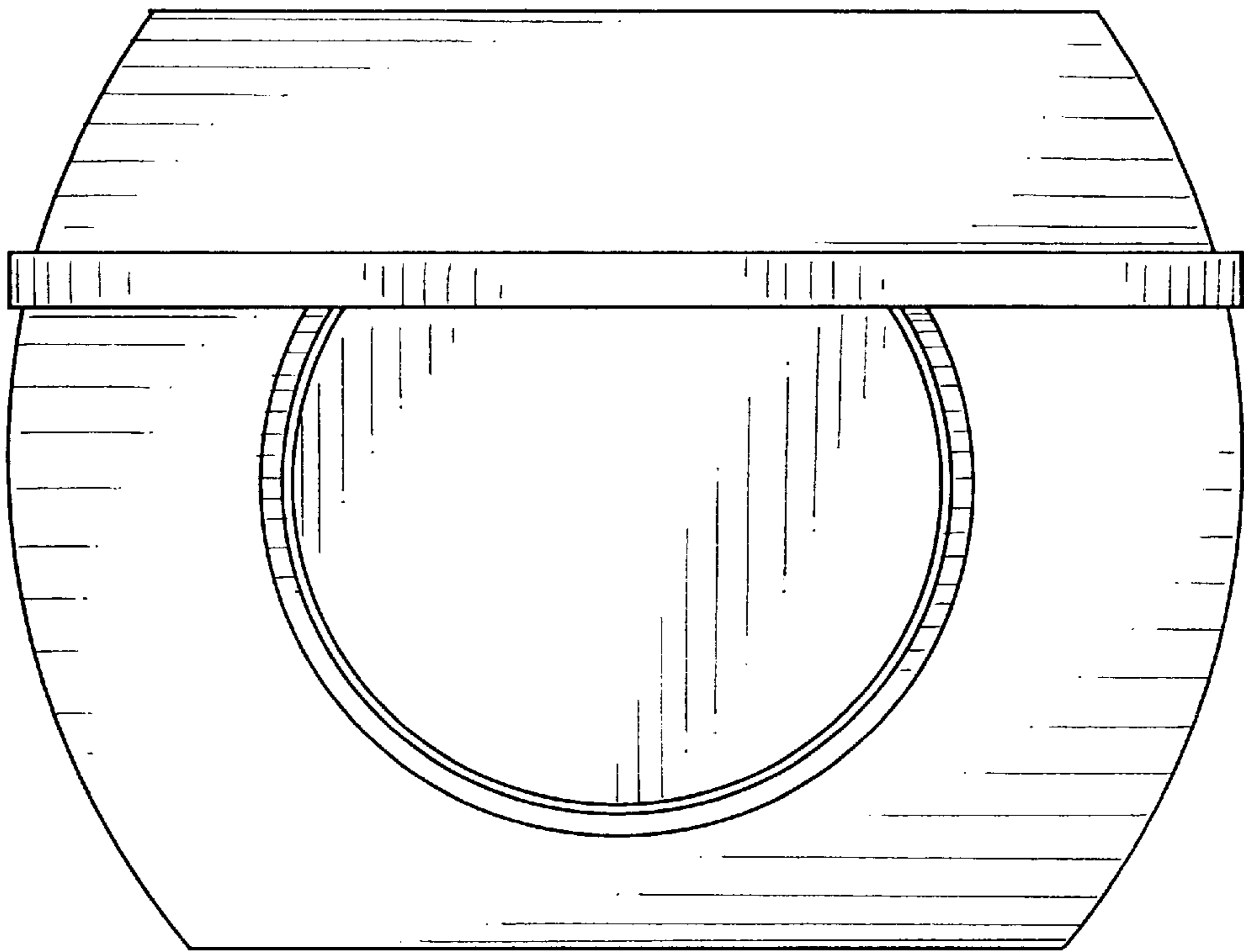


FIG. 21

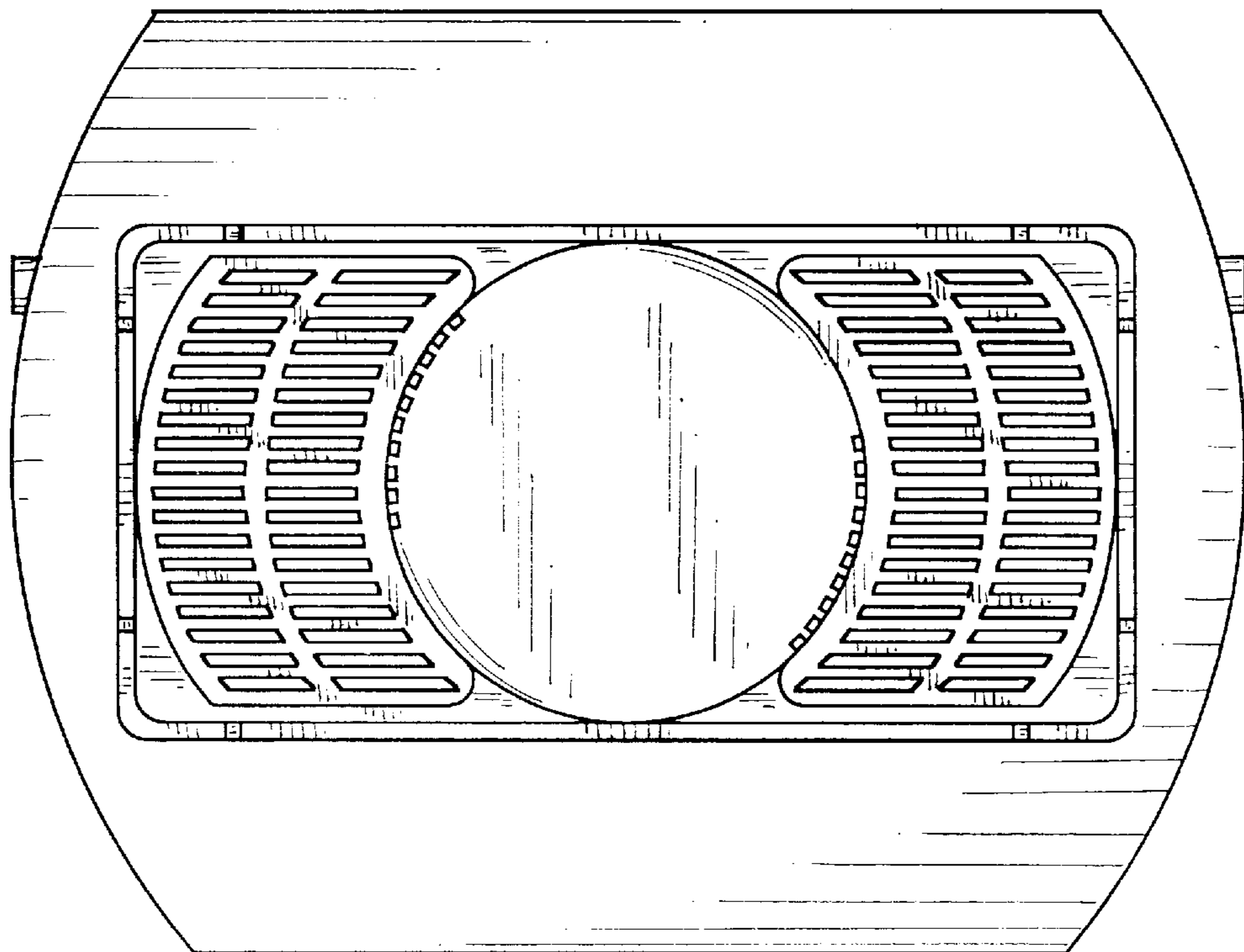


FIG. 22



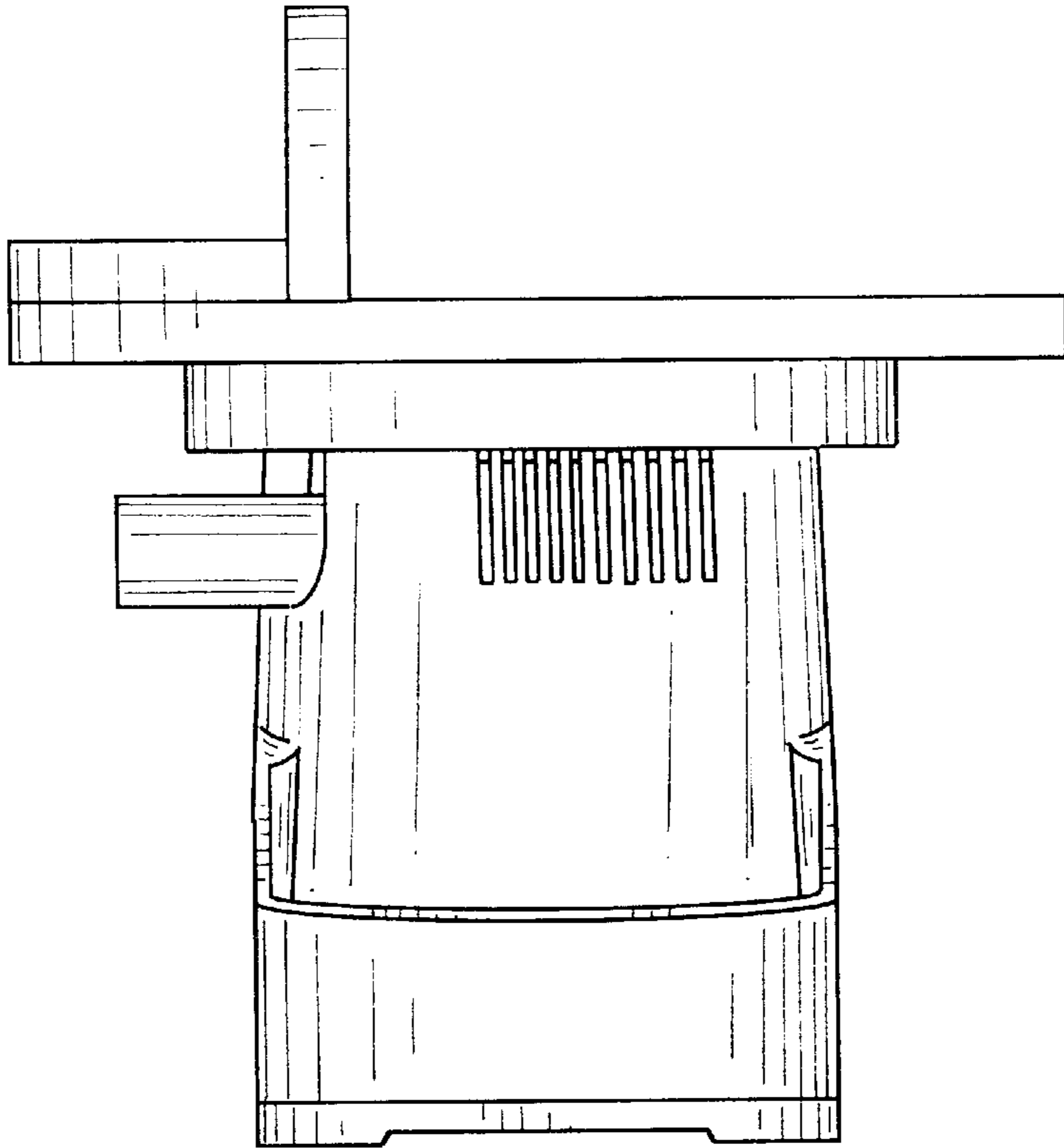


FIG. 23

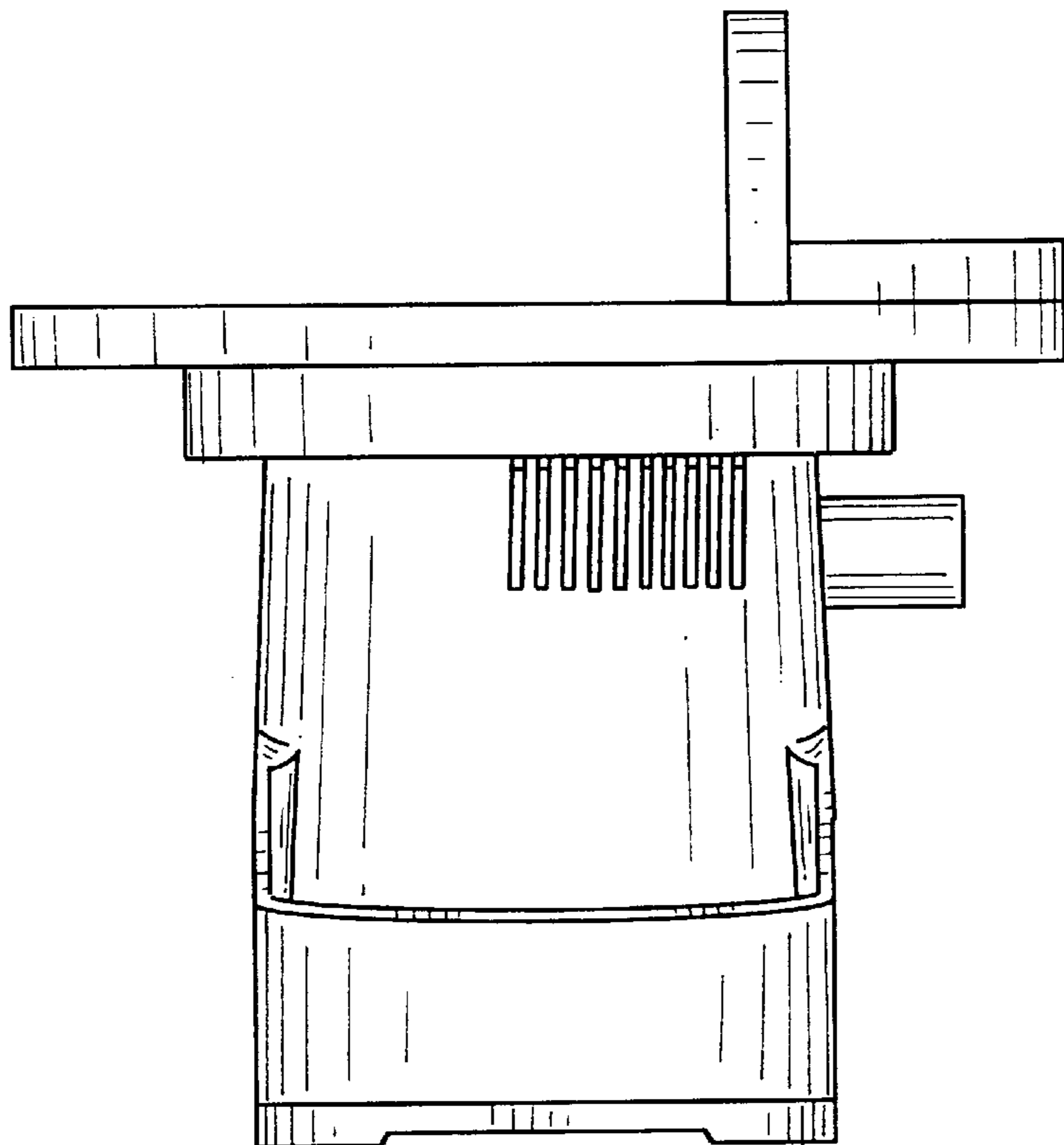


FIG. 24