



US00D784449S

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

(10) **Patent No.:** **US D784,449 S**
(45) **Date of Patent:** **** Apr. 18, 2017**

(54) **VISUAL AID THAT DEMONSTRATES A
RANDOM WALK AND GENERATES A BELL
CURVE DISTRIBUTION**

(71) Applicant: **Four Pines Publishing, Inc**, Irvine, CA
(US)

(72) Inventor: **Mark Hebner**, Irvine, CA (US)

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

(21) Appl. No.: **29/541,718**

(22) Filed: **Oct. 7, 2015**

(51) **LOC (10) Cl.** **19-07**

(52) **U.S. Cl.**
USPC **D19/62**

(58) **Field of Classification Search**
USPC D19/59-64, 131; 434/188, 365, 367,
434/370, 429; D10/44; D21/369, 371,
D21/373; 273/144 B, 457, 144 R, 139,
273/138.1, 142 D, 144 A, 269; 414/675;
99/5; D6/351; 141/331-332; 209/44,
209/702

CPC G09B 23/02; G09B 19/025; G09B 23/20;
A63F 9/0406; A63F 7/044; A63F 7/048;
A63F 7/045; A63F 7/02; A63F 3/00094;
G07C 15/001; G07C 15/003; B03B 7/00;
B07C 7/04; B67C 11/02

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,037,064 A * 4/1936 Burdick A63F 9/0406
273/144 B
2,103,151 A * 12/1937 Dietrich A63F 7/044
273/113
2,838,851 A * 6/1958 Lusser G09B 23/02
434/188
3,717,941 A * 2/1973 Tomerlin G09B 19/025
434/188

D267,961 S * 2/1983 Bjon D21/373
4,403,775 A * 9/1983 Chaput G07C 15/003
273/144 B
D275,972 S * 10/1984 Bahier D21/371
D284,292 S * 6/1986 Smirne D21/371
D298,556 S * 11/1988 Gigliotti D21/371
4,822,048 A * 4/1989 Axup G07C 15/001
273/144 B
D301,487 S * 6/1989 Audet D19/131
D306,747 S * 3/1990 Gigliotti D21/371
4,930,779 A * 6/1990 Maddox G07C 15/003
273/144 B
4,936,576 A * 6/1990 Farraj A63F 7/045
273/457

(Continued)

Primary Examiner — Ian Simmons

Assistant Examiner — Mark Cavanna

(74) *Attorney, Agent, or Firm* — James M. Duncan, Esq.;
Klein DeNatale Goldner

(57) **CLAIM**

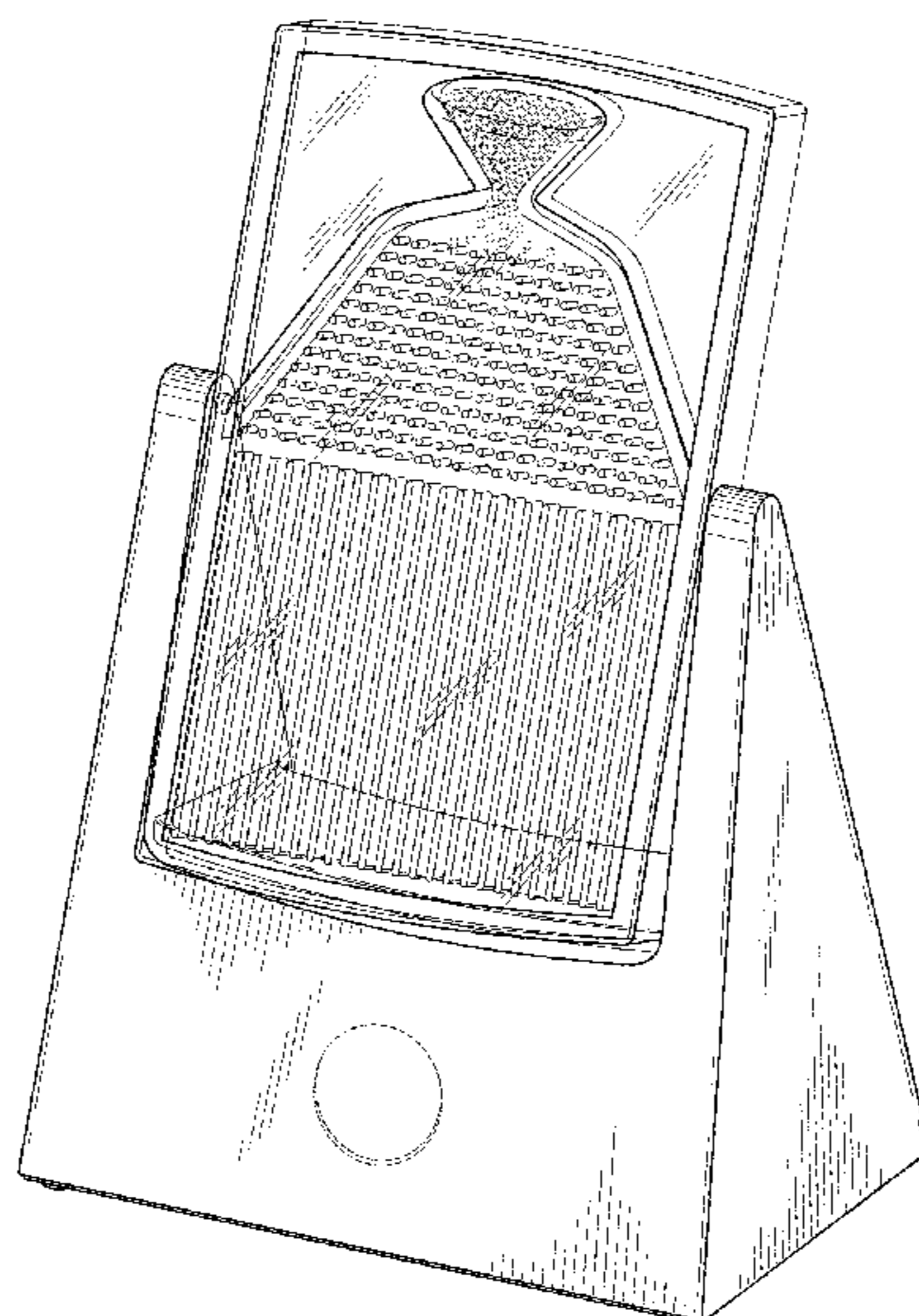
The ornamental design for a visual aid that demonstrates a random walk and generates a bell curve distribution, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a visual aid that demonstrates a random walk and generates a bell curve distribution;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a left side view thereof, the right side view being a mirror image thereof;
FIG. 5 is a top view thereof; and,
FIG. 6 is a bottom view thereof.

The broken lines are included for the purpose of illustrating unclaimed portions of the visual aid that demonstrates a random walk and generates a bell curve distribution and form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

5,011,148 A * 4/1991 Stebing A63F 7/02
 273/144 R
 D317,471 S * 6/1991 Rizzo D21/371
 D321,669 S * 11/1991 Hoehne D10/44
 5,117,982 A * 6/1992 Shotthafer B07C 7/02
 414/675
 D331,777 S * 12/1992 Sedlmeier D19/131
 5,265,877 A * 11/1993 Boylan A63F 3/00157
 273/139
 5,328,172 A * 7/1994 Jagiella A63F 7/048
 273/144 B
 D375,764 S * 11/1996 Hollinger D21/371
 D377,806 S * 2/1997 Samucha D19/131
 D379,472 S * 5/1997 Smith D19/131
 D411,253 S * 6/1999 Wong D21/371
 D419,202 S * 1/2000 Johns D21/371
 D445,140 S * 7/2001 Odenwalt D21/373
 6,655,687 B2 * 12/2003 Sanchez-Seco A63F 3/00094
 273/144 R
 D531,672 S * 11/2006 Hannon D19/62
 D633,685 S * 3/2011 Caffee D99/5
 D670,094 S * 11/2012 Prestandrea D6/351
 D694,832 S * 12/2013 Garcia D21/371
 D757,571 S * 5/2016 Newson D10/44
 2015/0302775 A1 * 10/2015 Matsushima G09B 23/20
 434/281

* cited by examiner

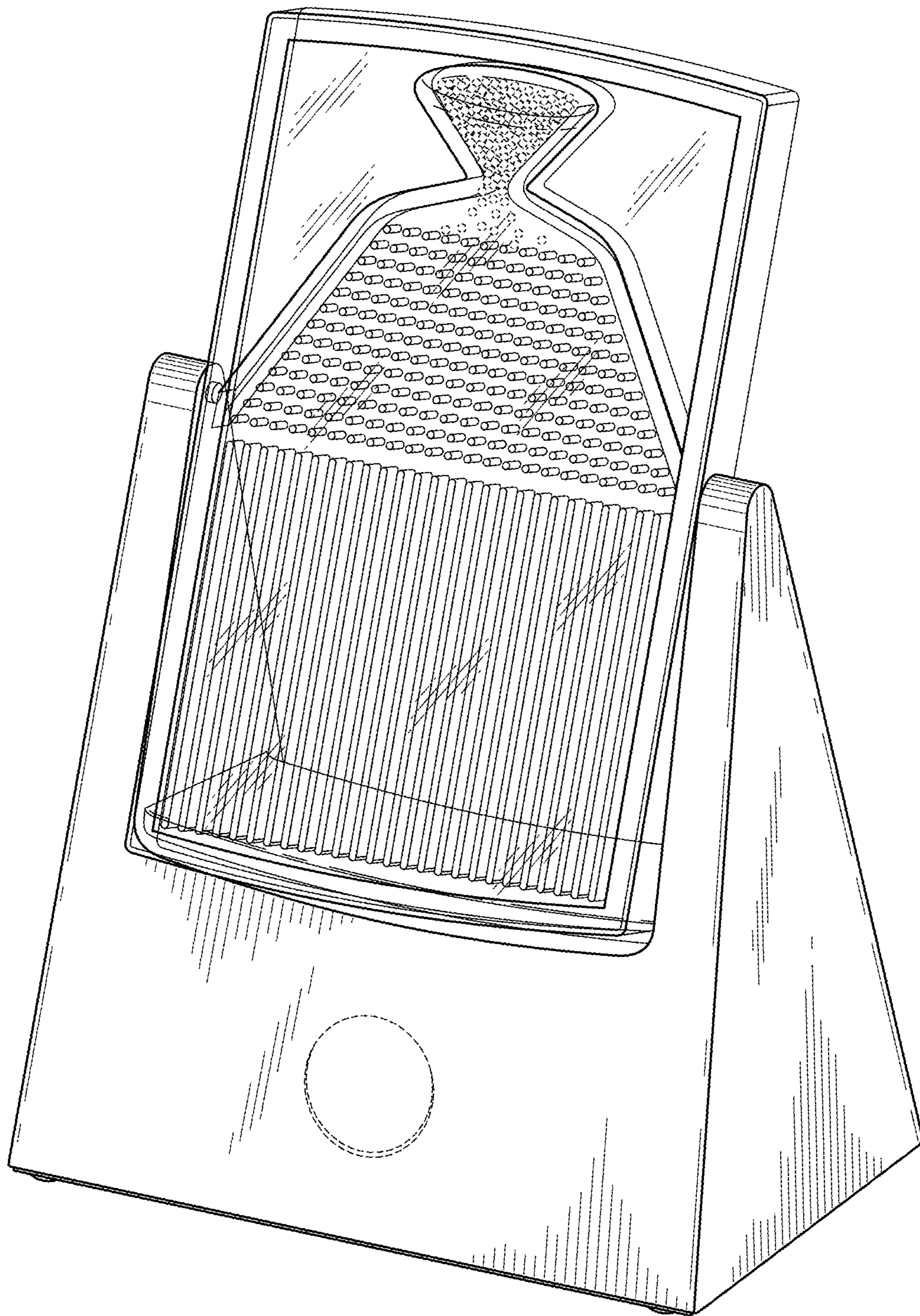


FIG. 1

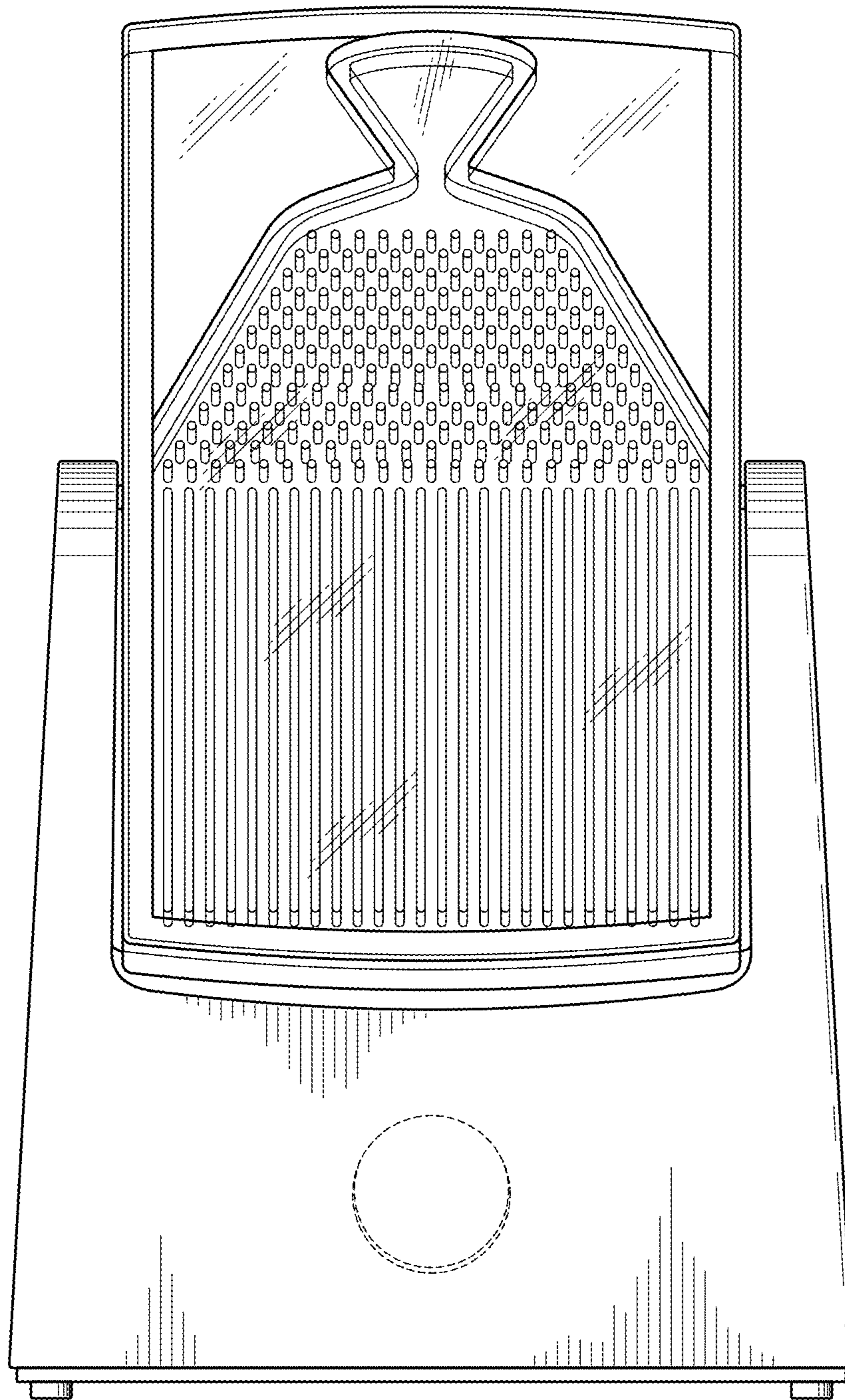


FIG. 2

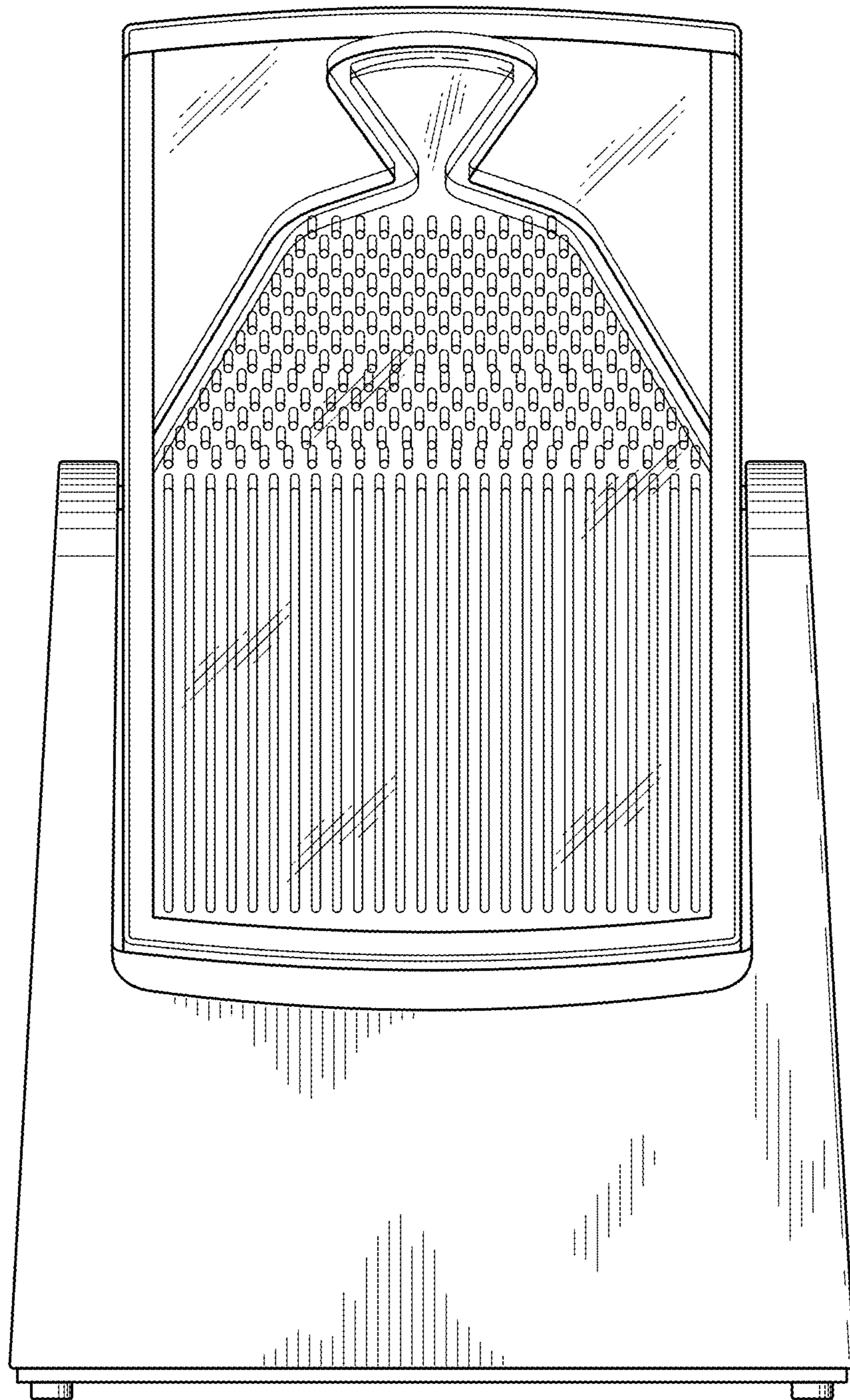


FIG. 3

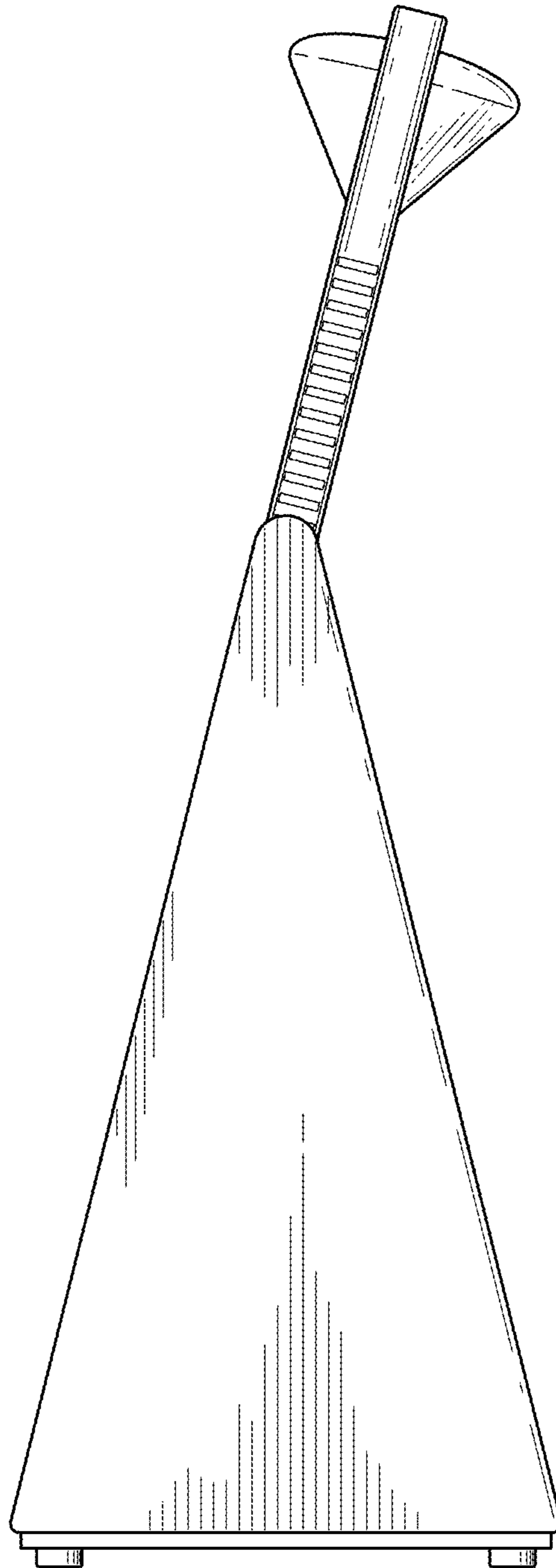


FIG. 4

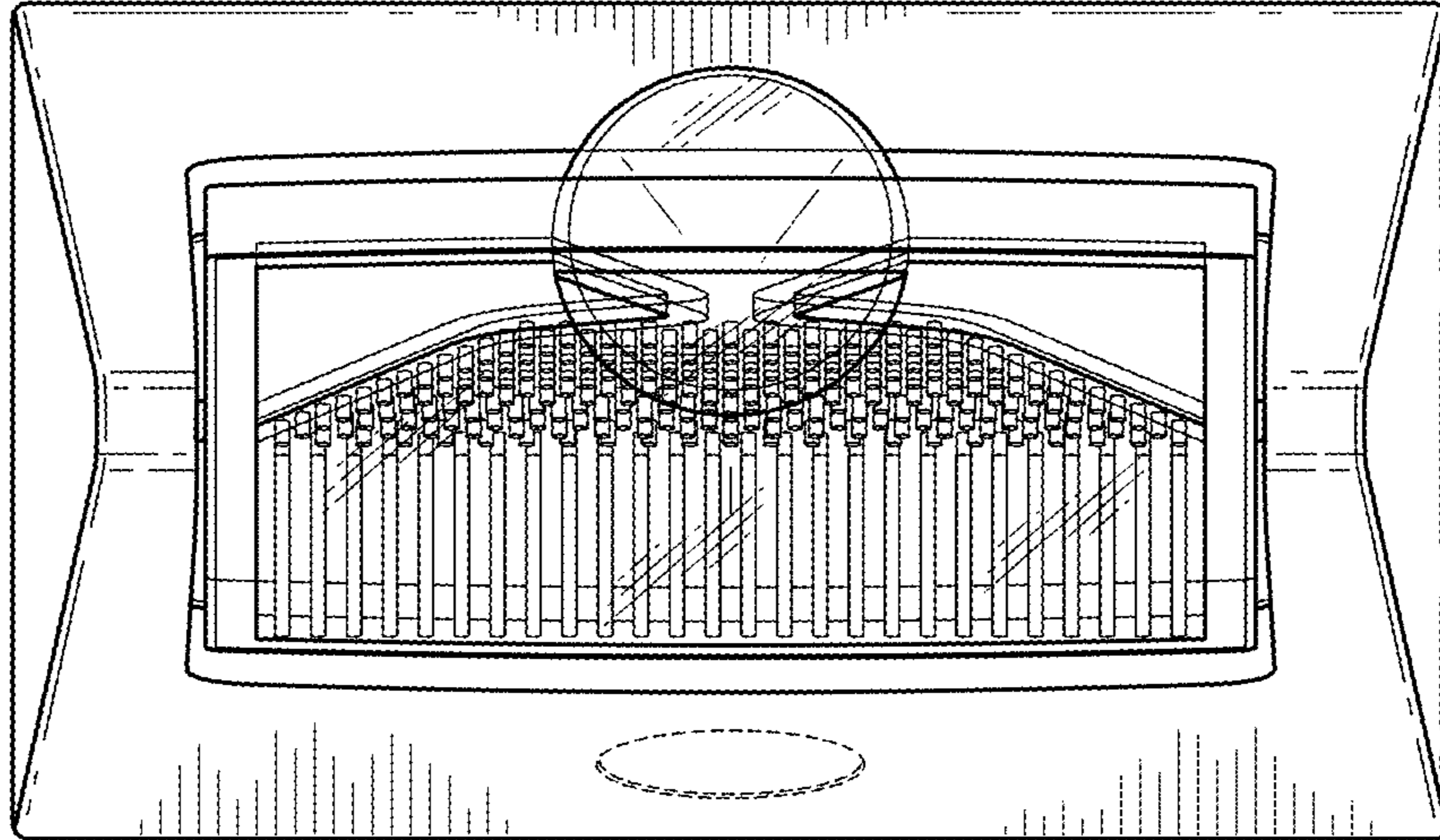


FIG. 5

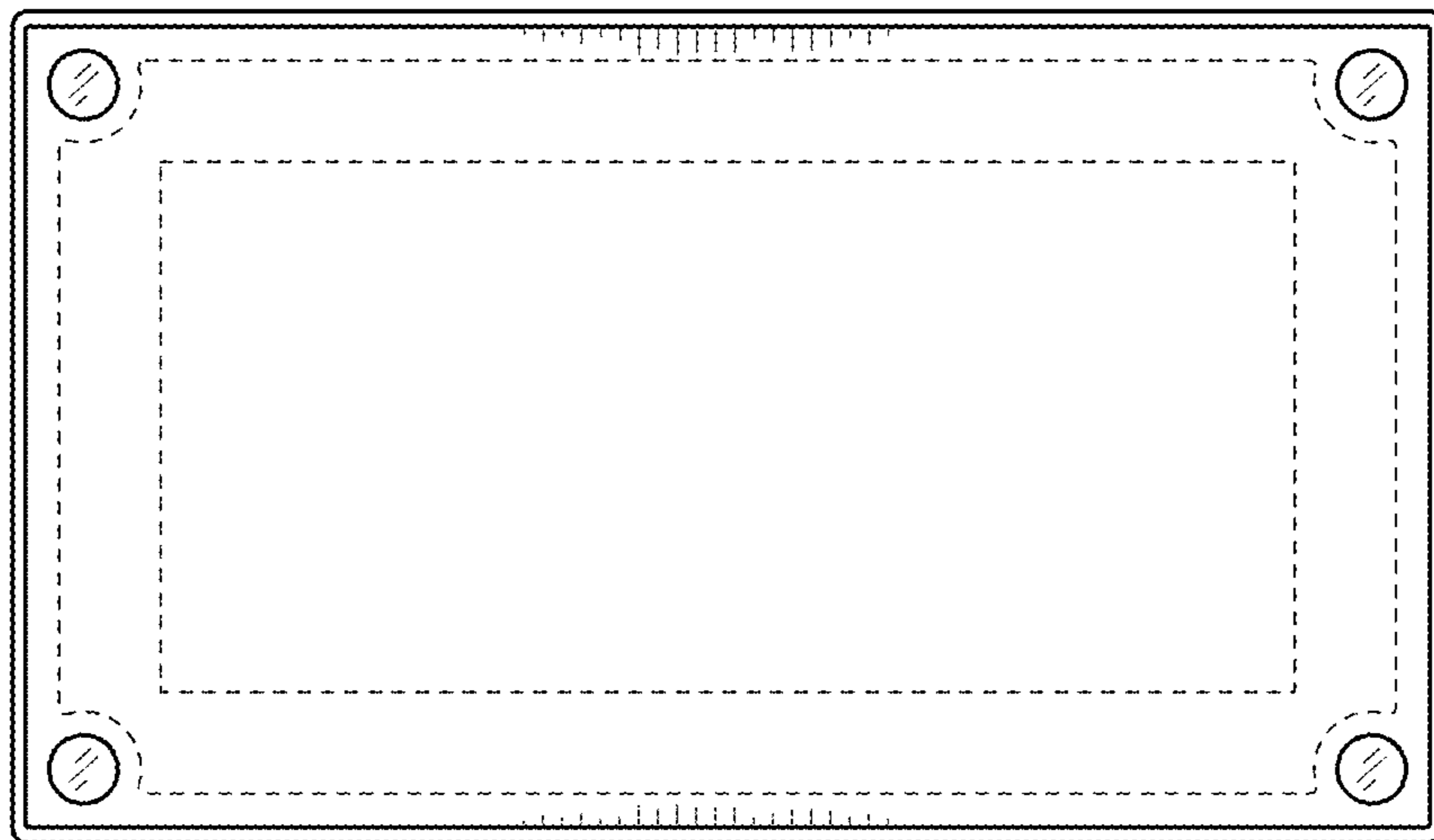


FIG. 6