



US00D388162S

# United States Patent [19]

[11] Patent Number: Des. 388,162

Chiu et al.

[45] Date of Patent: \*\*Dec. 23, 1997

[54] HUMIDIFIER

[75] Inventors: **Bernard Chiu**, Wellesley, Mass.; **Jui-Shang Wang**, Taipei, Taiwan; **John Longan**, Natick, Mass.; **Robert L. Marvin, Jr.**, Farmington; **Richard M. O'Grady**, Southington, both of Conn.

[73] Assignee: **Duracraft Corp.**, Southborough, Mass.

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

[21] Appl. No.: **27,962**

[22] Filed: **Sep. 2, 1994**

[51] LOC (6) Cl. .... **23-04**

[52] U.S. Cl. .... **D23/356; D23/358; D23/360**

[58] Field of Search ..... **D23/356-363; 261/81, 1, DIG. 48; 392/403-406, 394; 422/120, 123**

4,906,417	3/1990	Gentry .
4,921,639	5/1990	Chiu .
5,014,338	5/1991	Glucksman .
5,034,162	7/1991	Chiu .
5,067,169	11/1991	Chiu .
5,073,967	12/1991	Marino .
5,086,494	2/1992	Wang .
5,108,663	4/1992	Chiu .
5,111,529	5/1992	Glucksman .
5,131,070	7/1992	Chiu et al. .
5,133,044	7/1992	Chiu .
5,143,460	9/1992	Wang .
5,143,655	9/1992	Chiu et al. .
5,143,656	9/1992	Marino et al. .
5,210,818	5/1993	Wang .
5,215,685	6/1993	Marino .
5,228,107	7/1993	Mariano .
5,247,604	9/1993	Chiu .
5,291,579	3/1994	Marino .
5,339,383	8/1994	Marino .

### FOREIGN PATENT DOCUMENTS

59-62784 of 1984 Japan .

[56] **References Cited**

#### U.S. PATENT DOCUMENTS

D. 306,063	2/1990	Chiu et al. .
D. 307,653	5/1990	Weirsmann et al. .
D. 320,071	9/1991	Cook .
D. 320,440	10/1991	Chiu .
D. 322,121	12/1991	Chiu .
D. 330,074	10/1992	Wang et al. .
D. 335,340	5/1993	Marvin, Jr. .
D. 335,341	5/1993	O'Grady .
D. 336,511	6/1993	Chiu et al. .
D. 337,634	7/1993	Copland et al. .... D23/356
D. 348,728	7/1994	O'Grady et al. .
D. 349,334	8/1994	O'Grady et al. .
D. 349,566	8/1994	O'Grady .
D. 357,310	4/1995	Chiu et al. .... D23/356
D. 358,461	5/1995	Barker et al. .... D23/356
D. 359,552	6/1995	Chiu et al. .... D23/356
4,604,246	8/1986	Choe .
4,752,423	6/1988	Wong .
4,810,854	3/1989	Jursich et al. .

#### OTHER PUBLICATIONS

Washington Post, Nov. 3, 1985, Advertising Supplement.

*Primary Examiner*—Lisa Lichtenstein  
*Attorney, Agent, or Firm*—Morgan & Finnegan

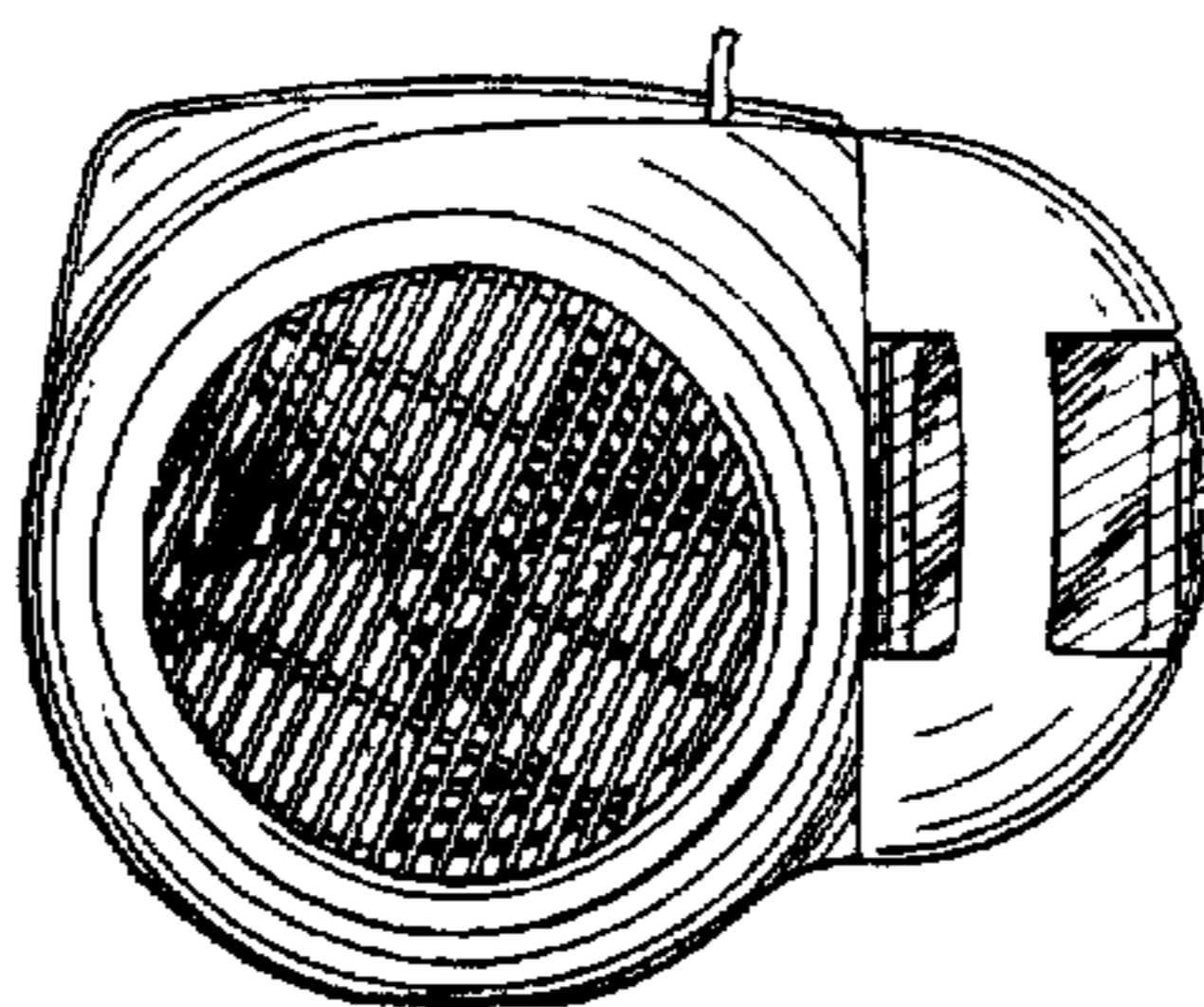
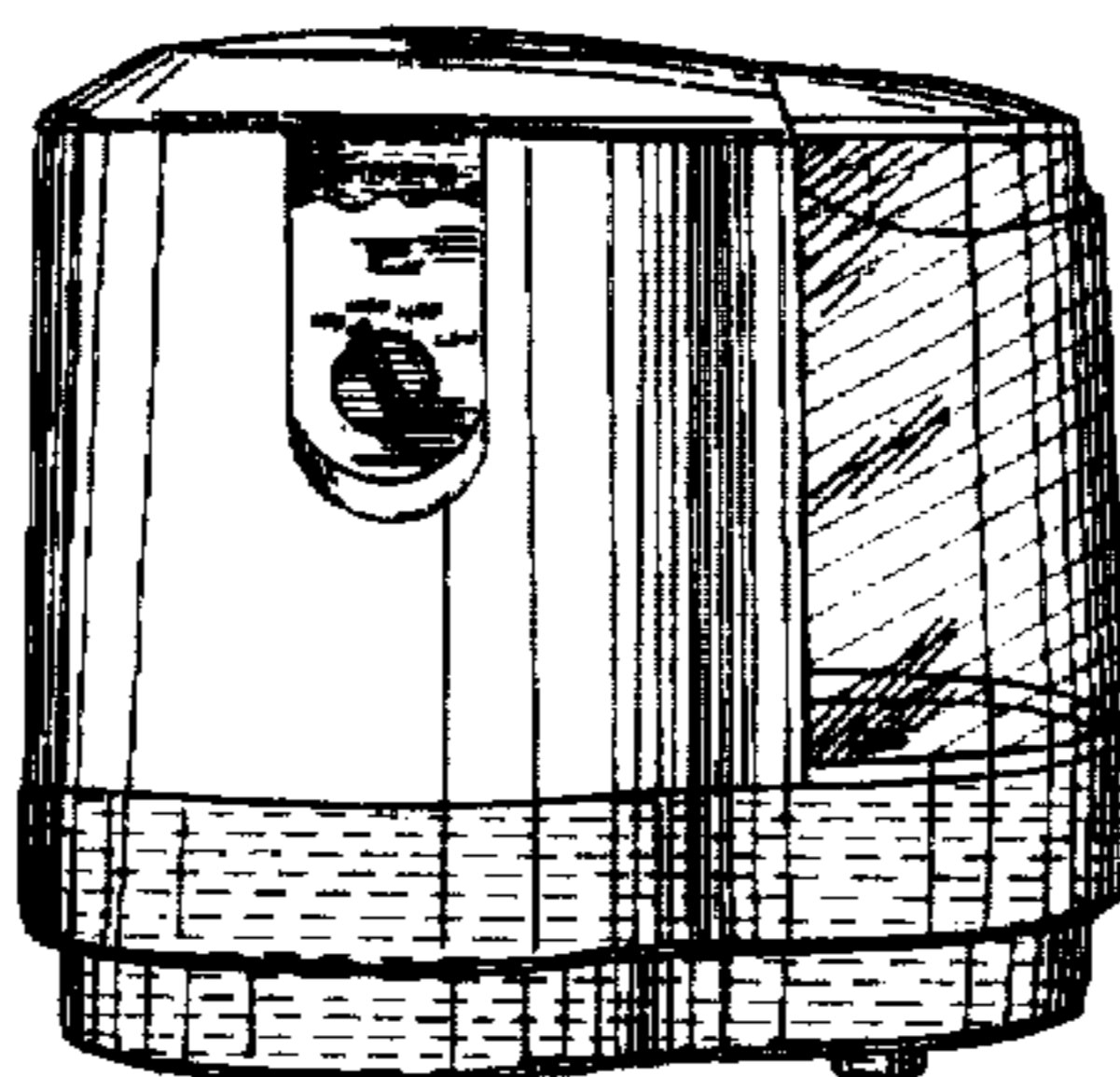
### [57] CLAIM

The ornamental design for a humidifier, as shown.

### DESCRIPTION

FIG. 1 is a front view of the design for a humidifier in accordance with the present invention; FIG. 2 is a view of one side thereof; FIG. 3 is a view of another side thereof; FIG. 4 is a rear view thereof; FIG. 5 is a top view thereof; and, FIG. 6 is a bottom view thereof.

1 Claim, 2 Drawing Sheets



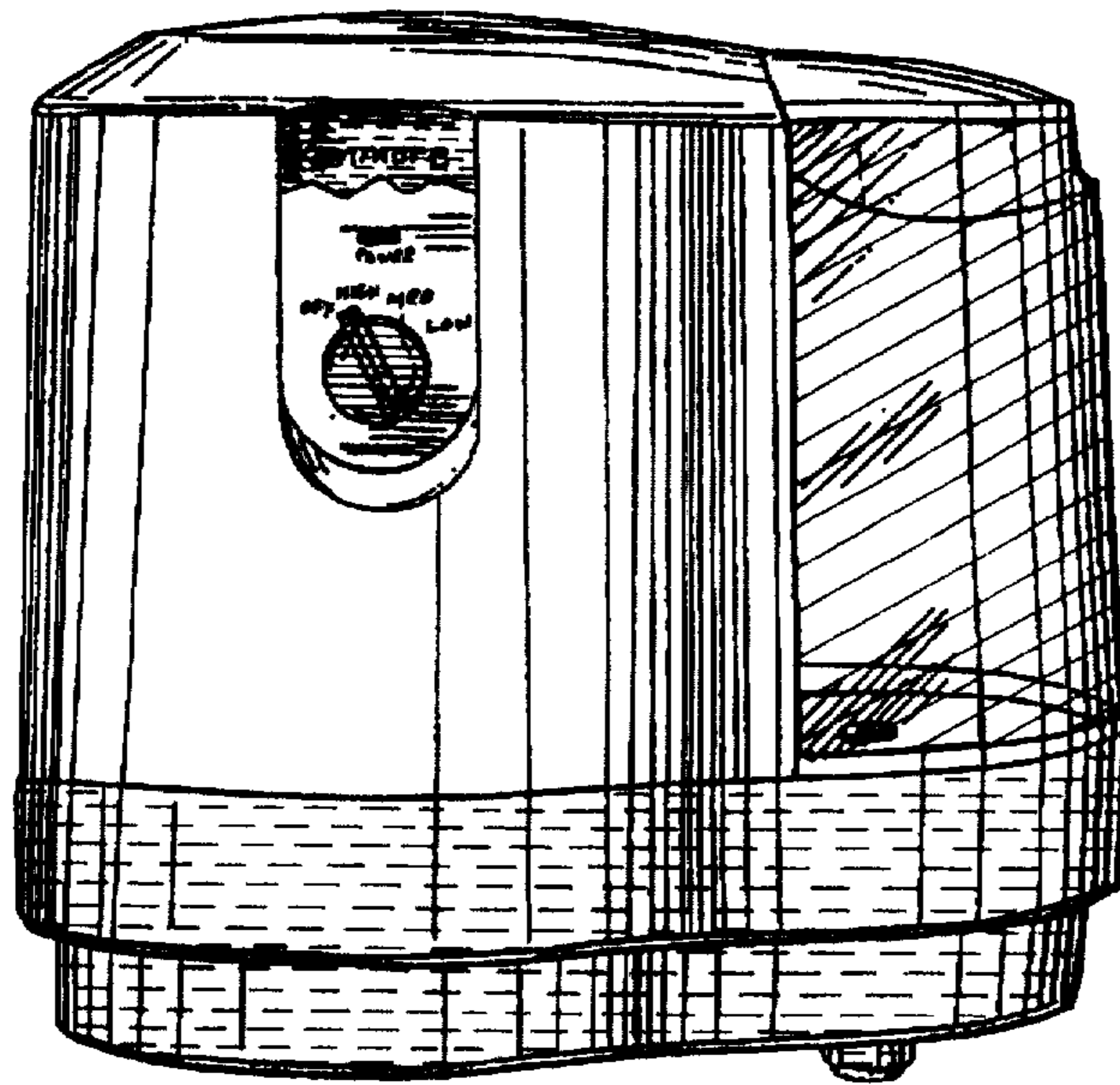


FIG. 1

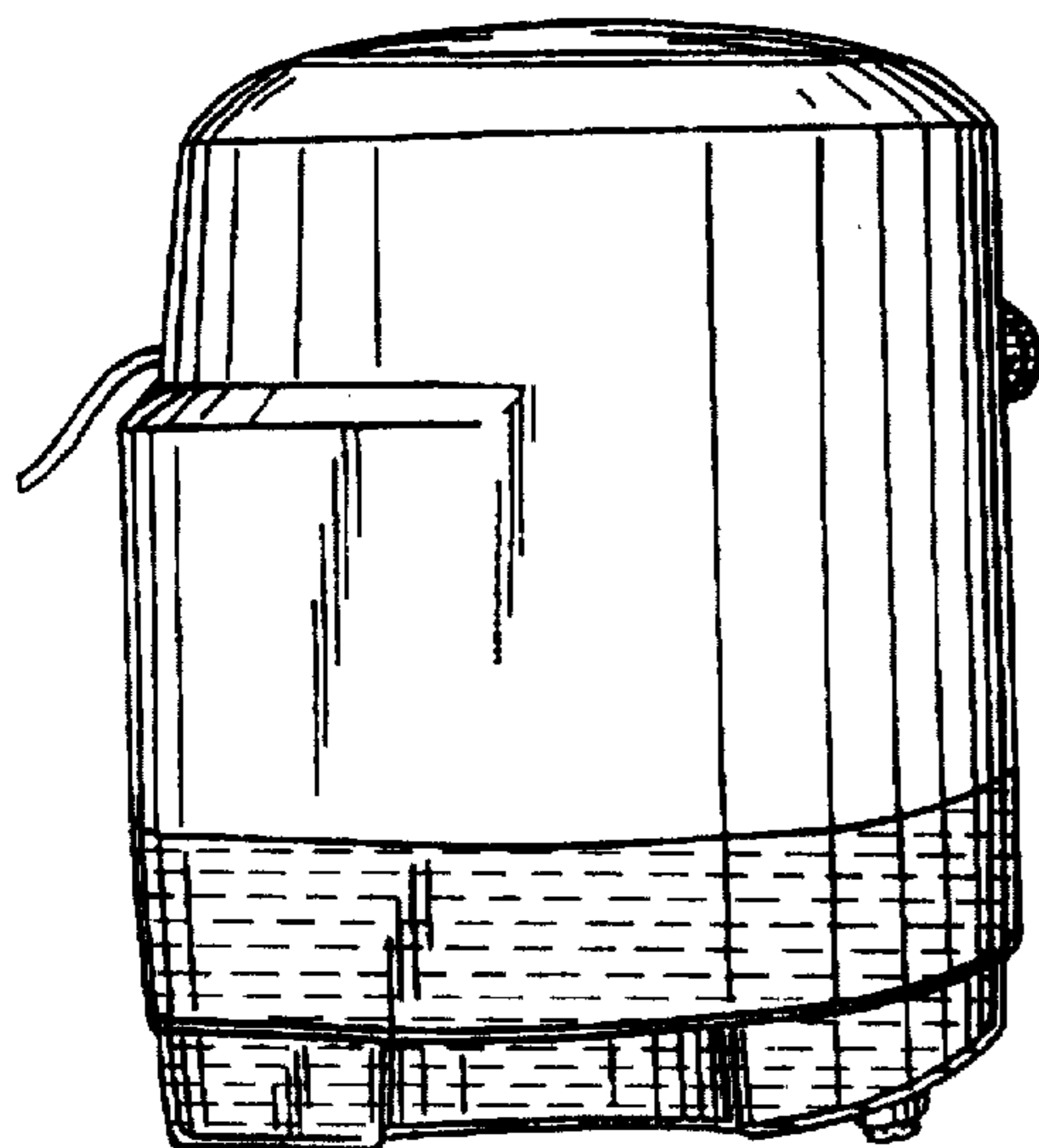


FIG. 2

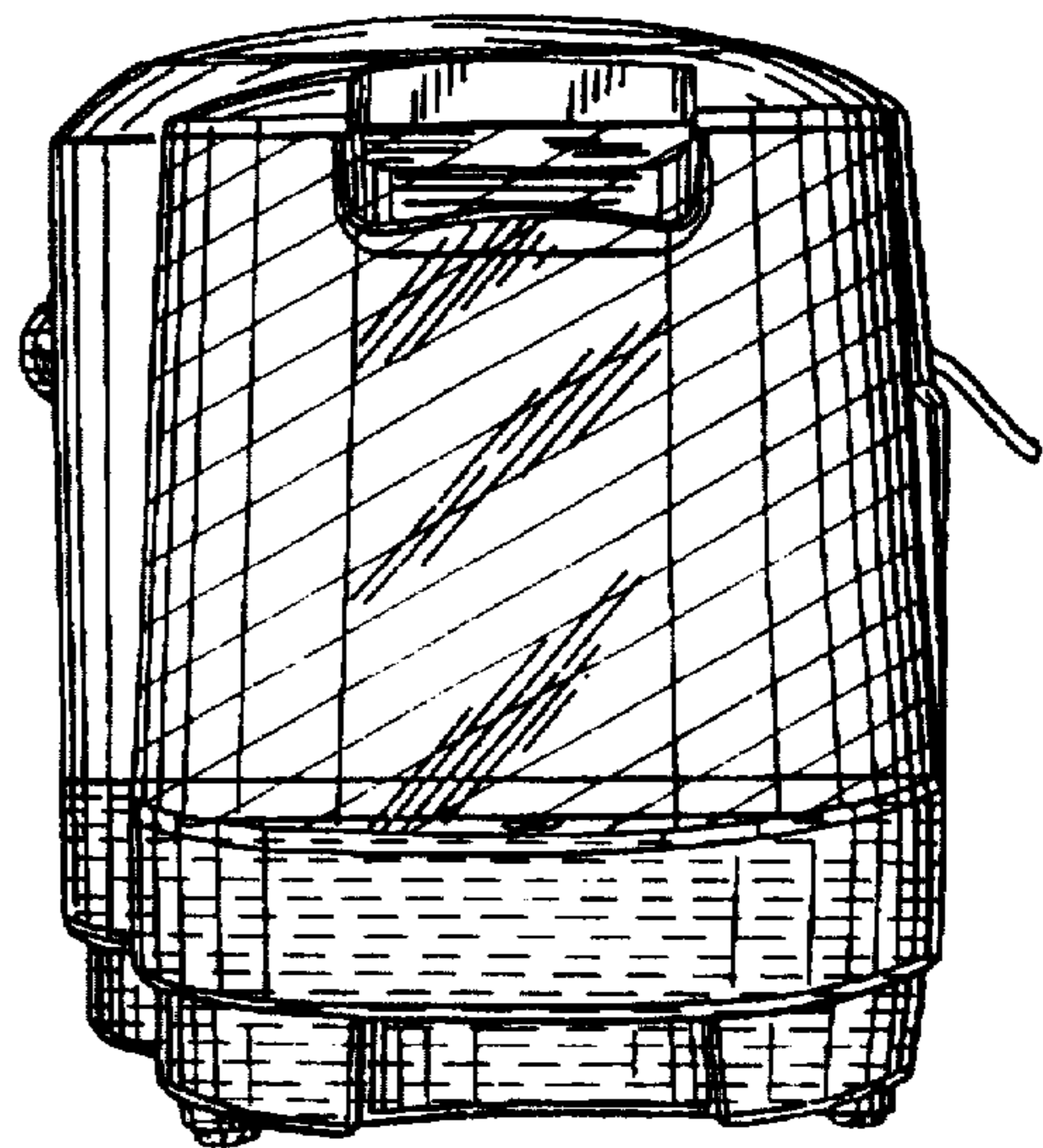


FIG. 3

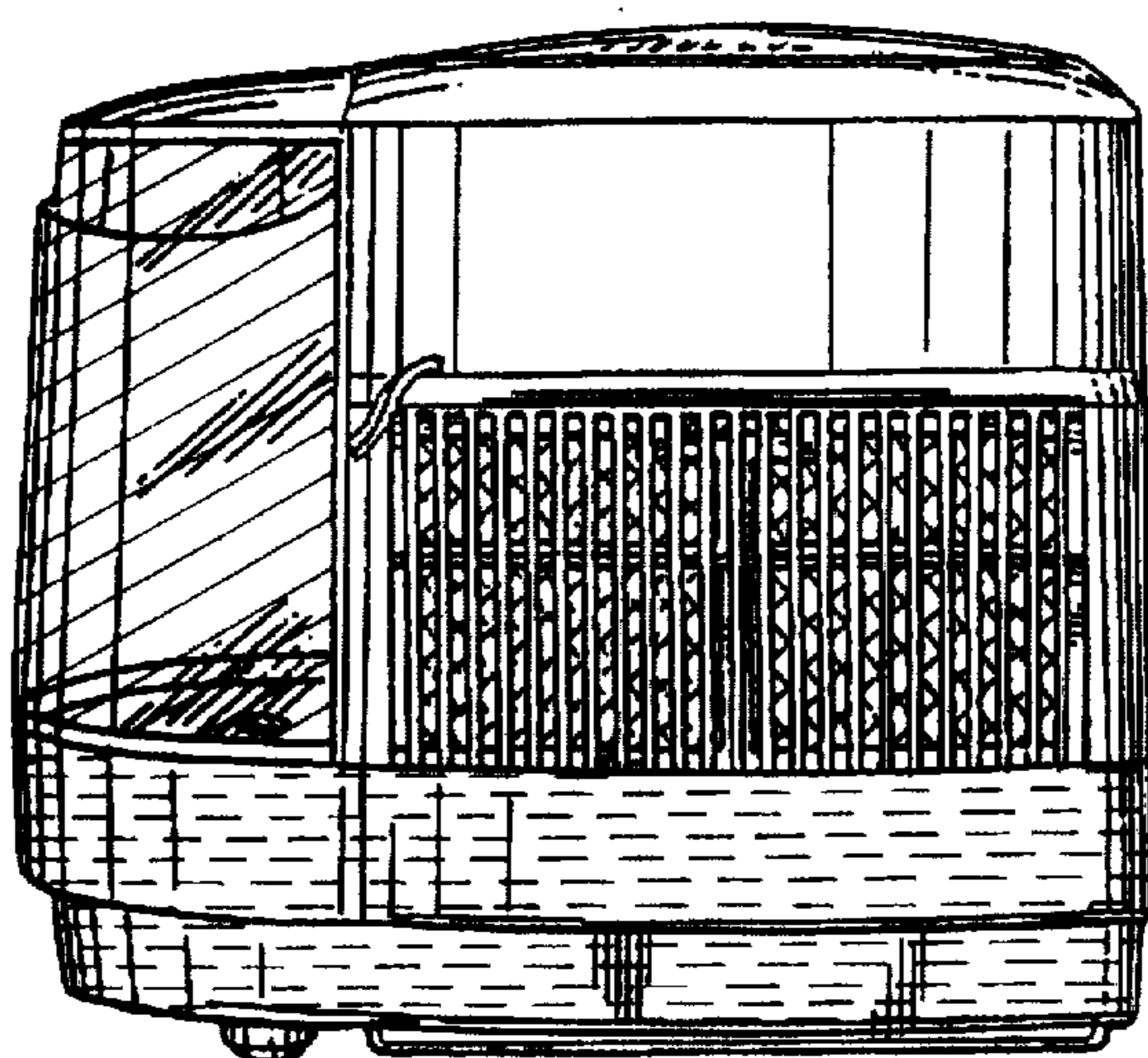


FIG. 4

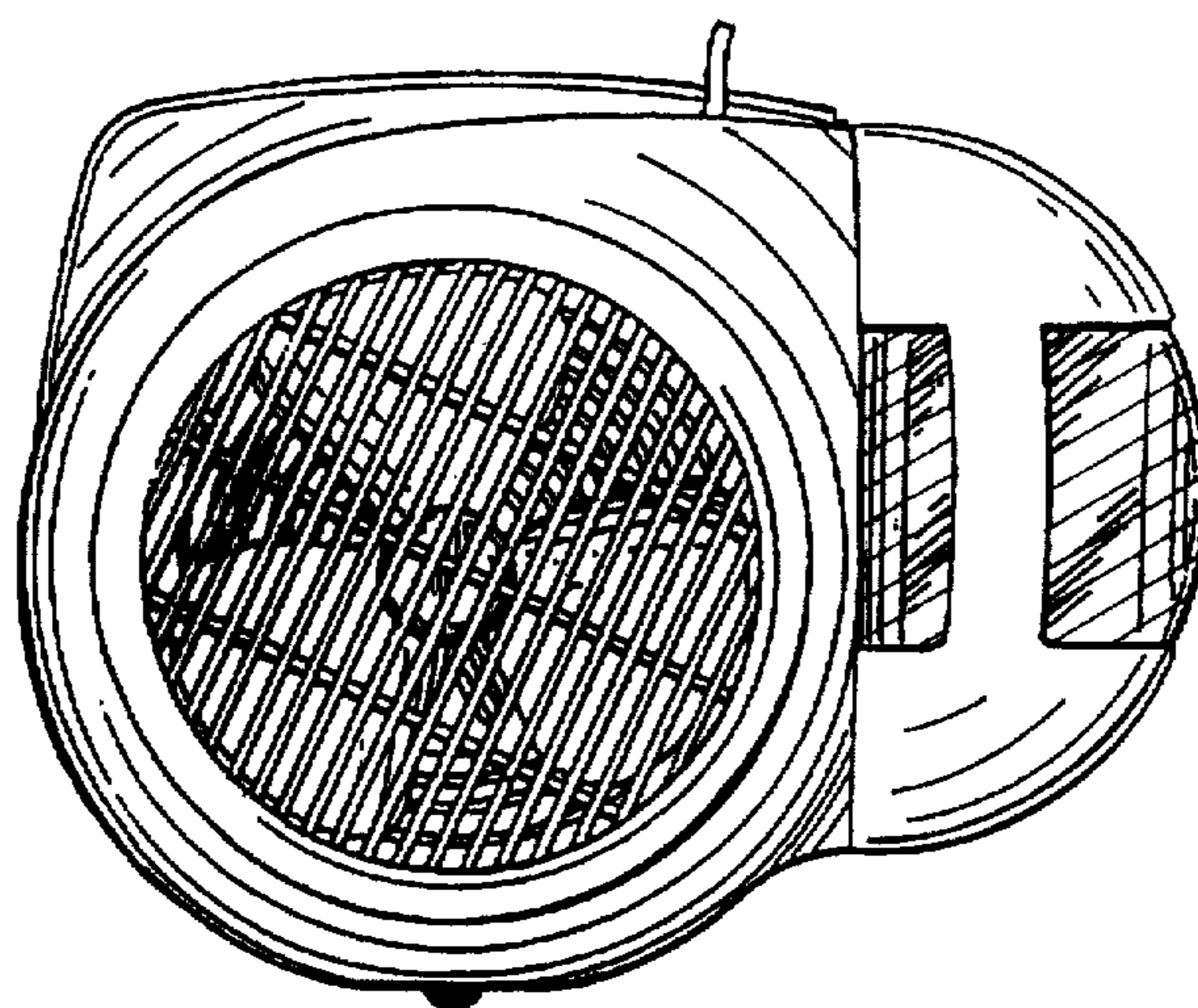


FIG. 5

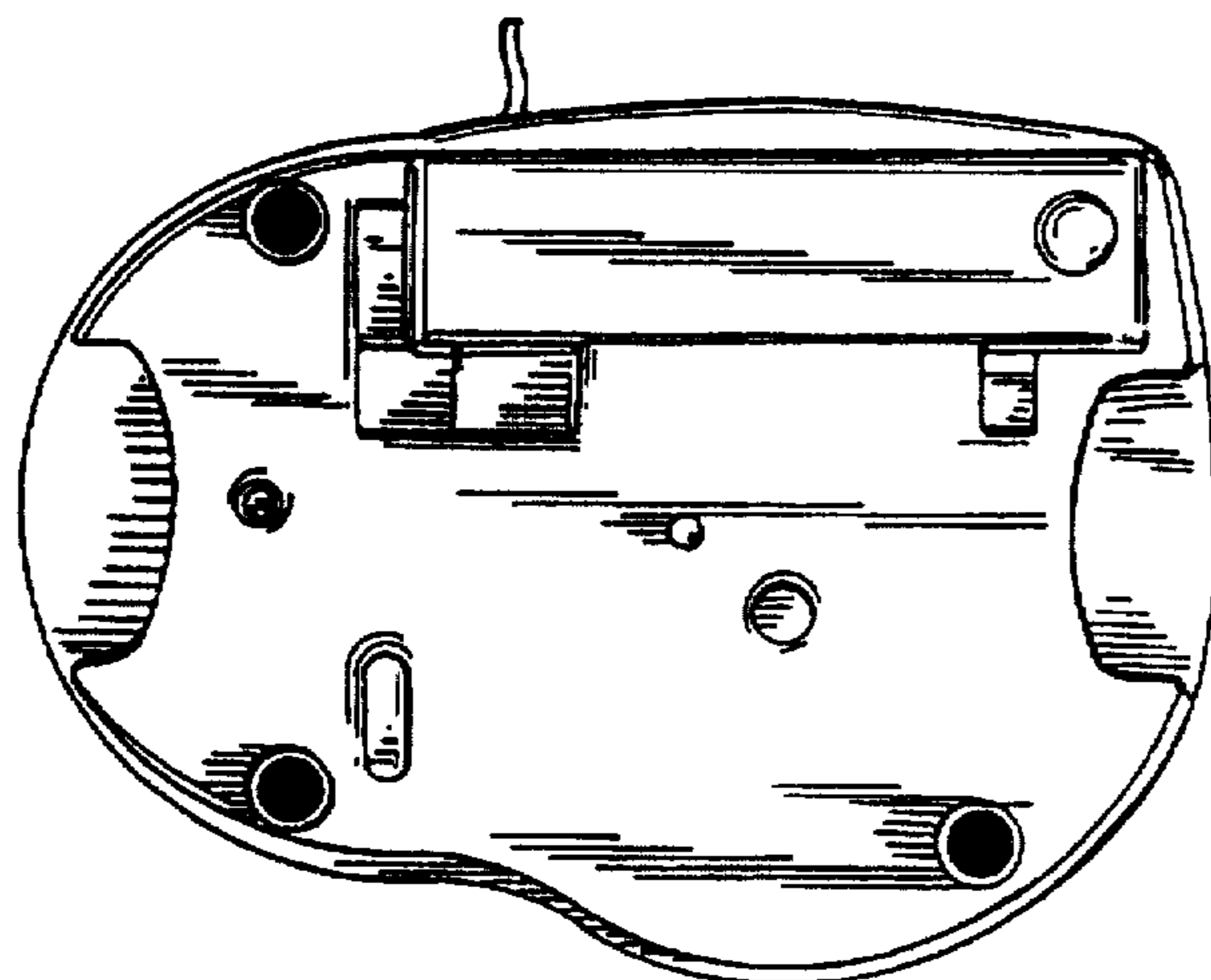


FIG. 6