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United States Patent [19]

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Tavares et al.

[45] Date of Patent: ** Mar. 29, 1994

[54] AUTOMATIC VENETIAN BLIND OPENER AND CLOSER

4,844,139	7/1989	John	.....	160/168.1
4,914,360	4/1990	Hsieh et al.	.....	160/331 X
4,945,970	8/1990	Marocco	.....	160/178.2

[76] Inventors: Mario Tavares; Stuart Faria, both of 44 Burgby Ave, Brampton, Ontario, Canada, L6X 3A4

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Attorney, Agent, or Firm—Terry M. Gernstein

[**] Term: 14 Years

[57] CLAIM

[21] Appl. No.: 802,457

The ornamental design for a automatic venetian blind opener and closer, as shown and described.

[22] Filed: Dec. 5, 1991

DESCRIPTION

[52] U.S. Cl. D6/580

[58] Field of Search D6/580; 160/178.2, 331

FIG. 1 is a front perspective view view of automatic venetian blind opener and closer showing our new design;

[56] References Cited

U.S. PATENT DOCUMENTS

D. 277,062	1/1985	Brolin	.....	D6/580
D. 291,395	8/1987	Hennequin	.....	D6/580
4,635,698	1/1987	Anderson	.....	160/178.2
4,799,527	1/1989	Villoch	.....	160/168.1
4,813,469	3/1989	Scott	.....	160/178.2
4,834,162	5/1989	John	.....	160/168.1

FIG. 2 is a front elevational view thereof;

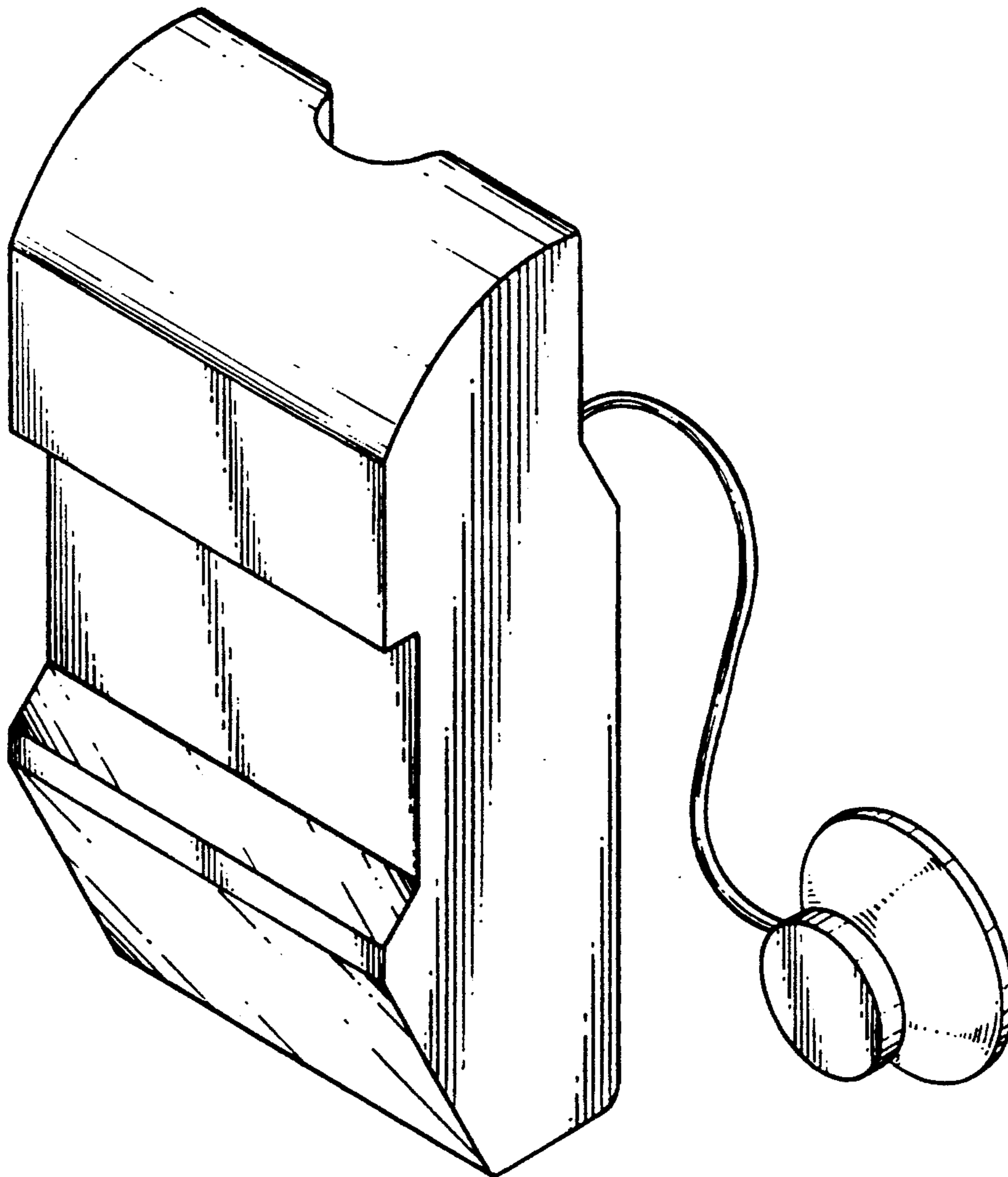
FIG. 3 is a rear elevational view thereof;

FIG. 4 is a left side elevational view thereof;

FIG. 5 is a right side elevational view thereof;

FIG. 6 is a top plan view thereof; and,

FIG. 7 is a bottom view thereof.



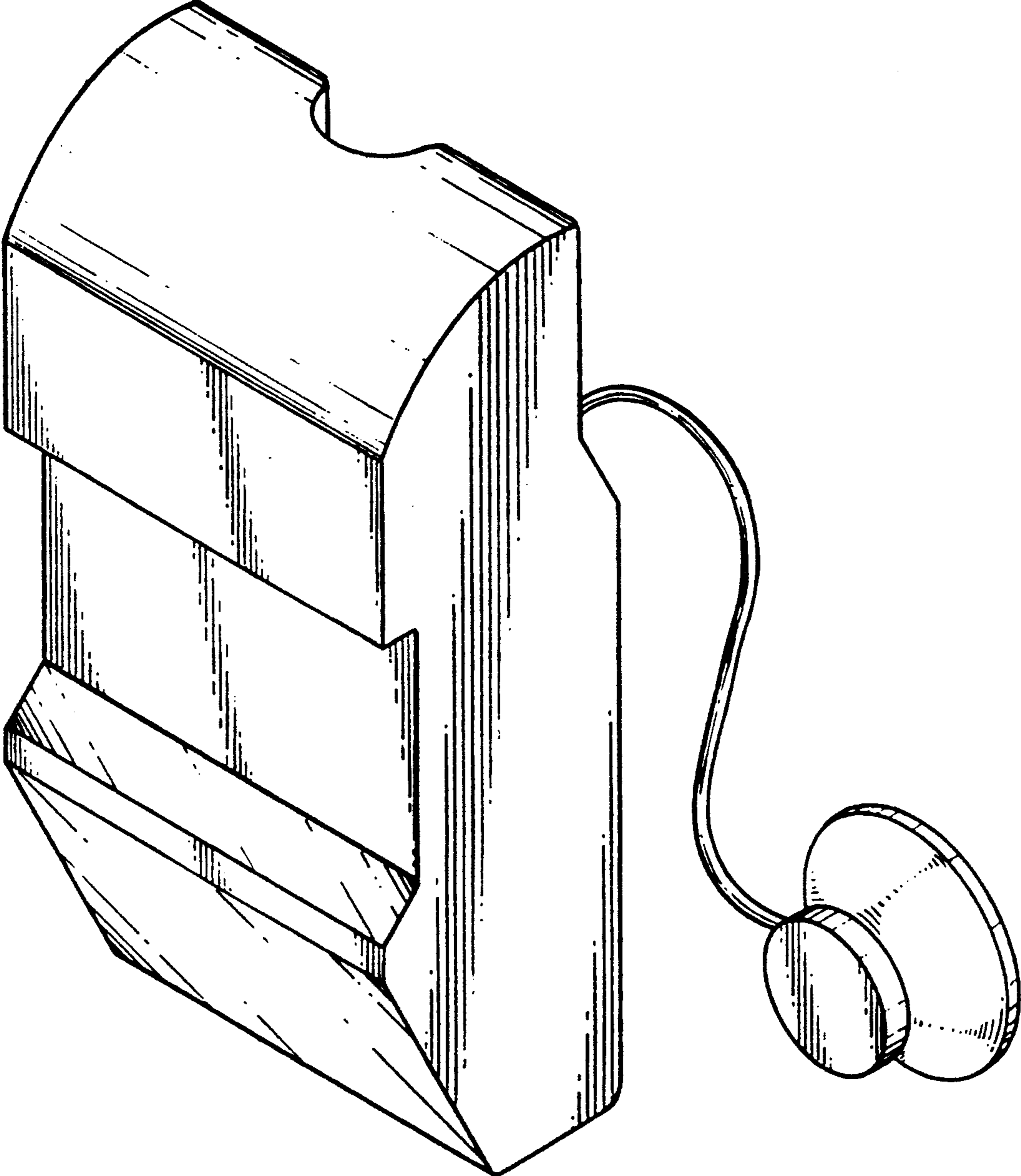


FIG. 1

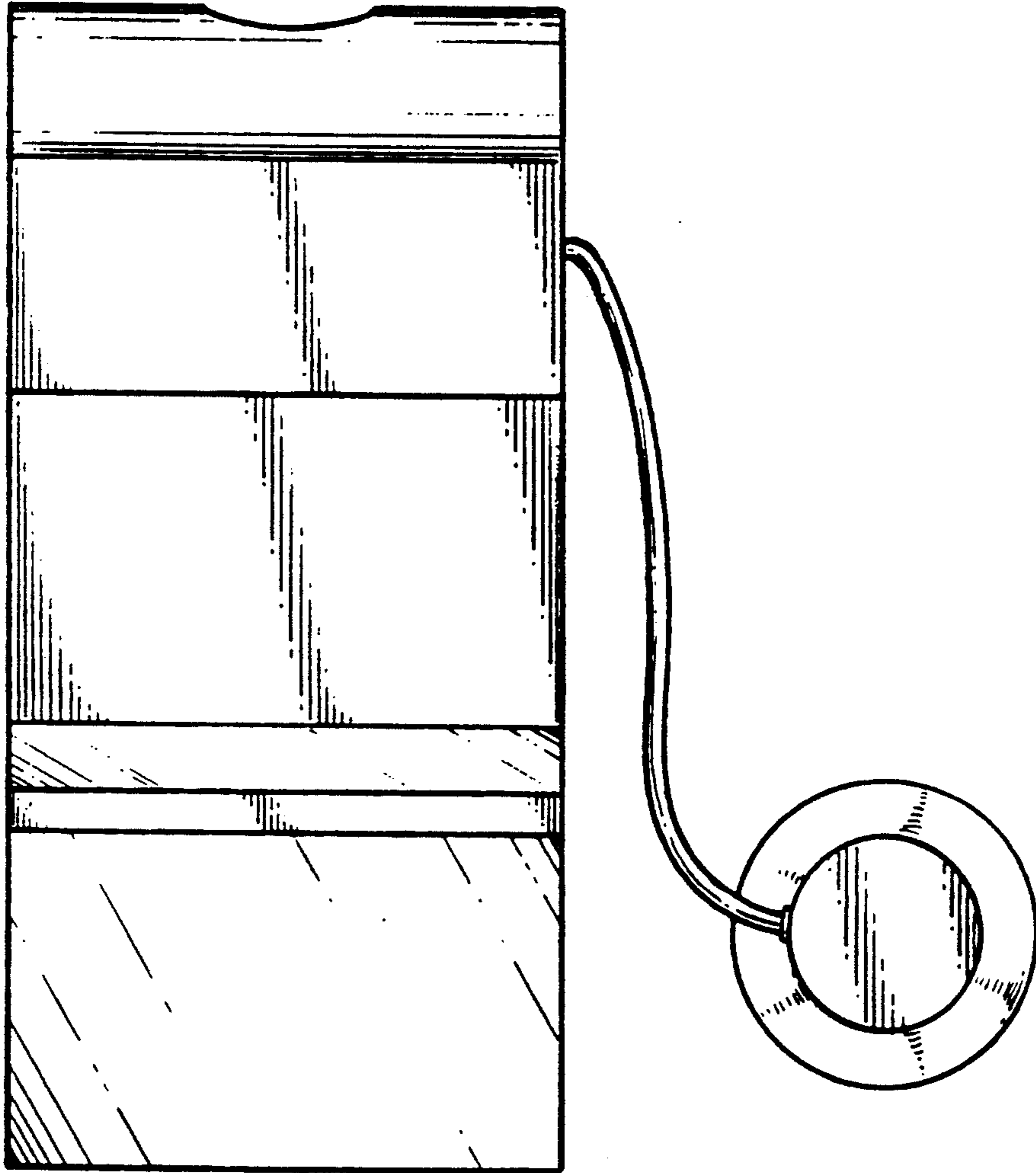


FIG. 2

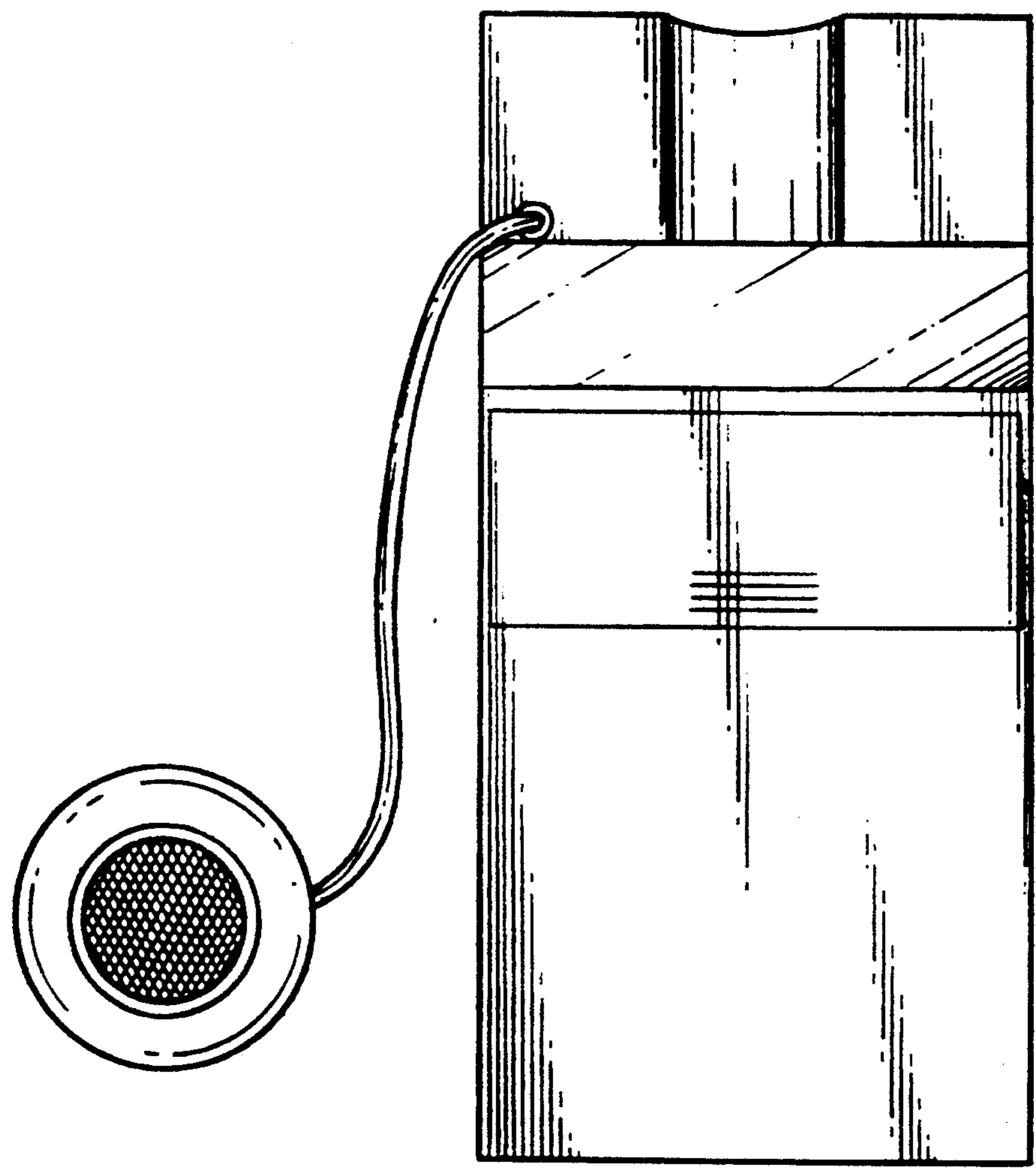


FIG. 3

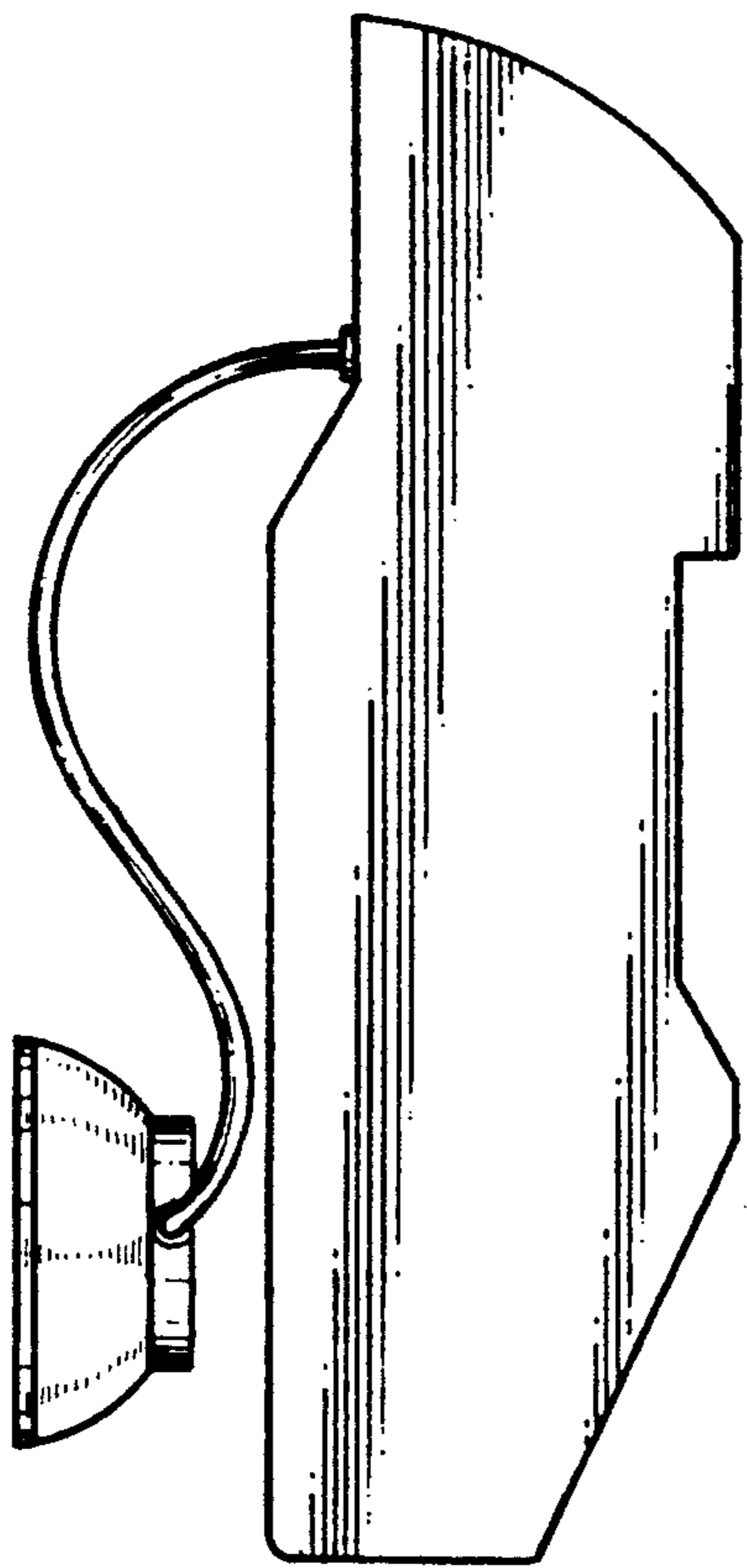


FIG. 4

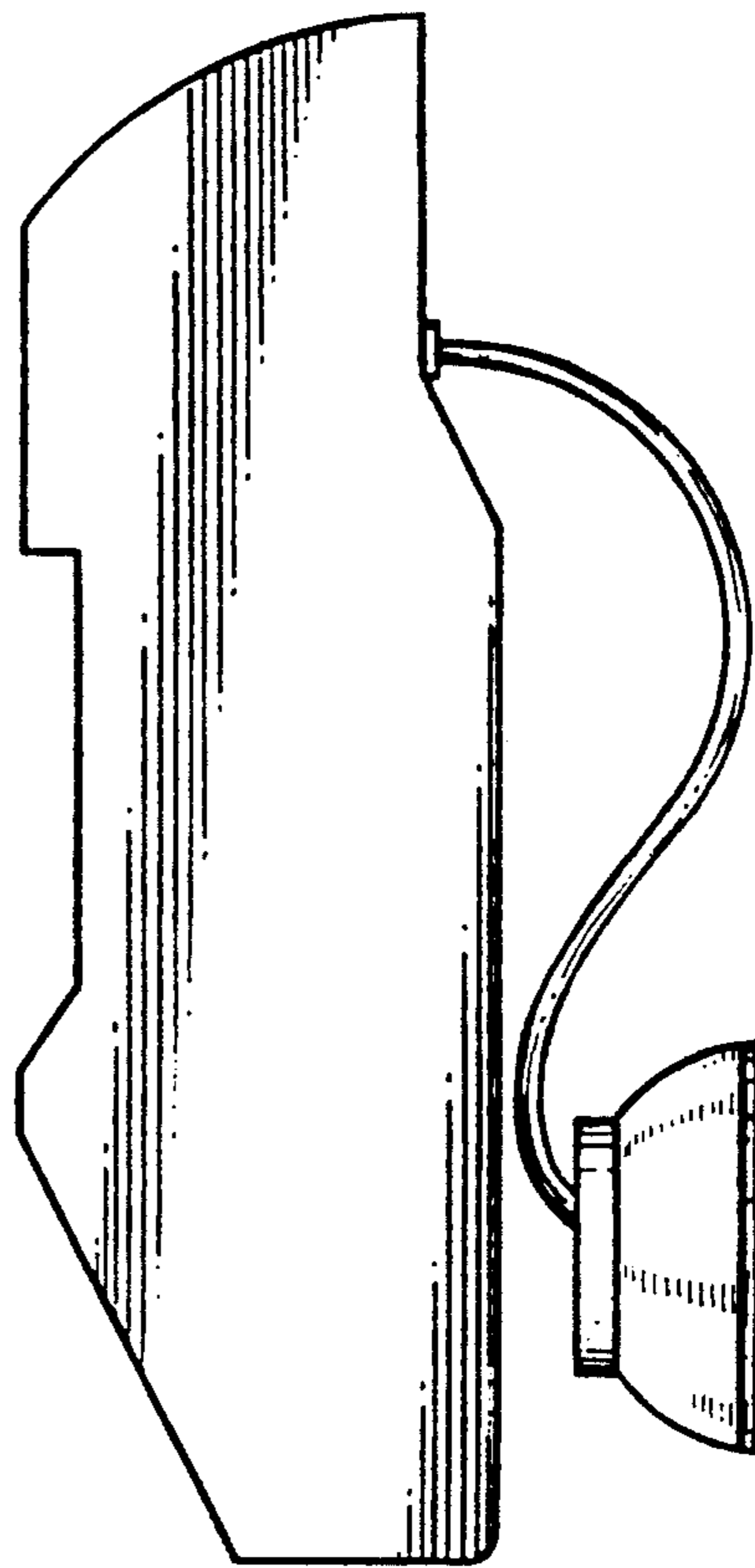


FIG. 5

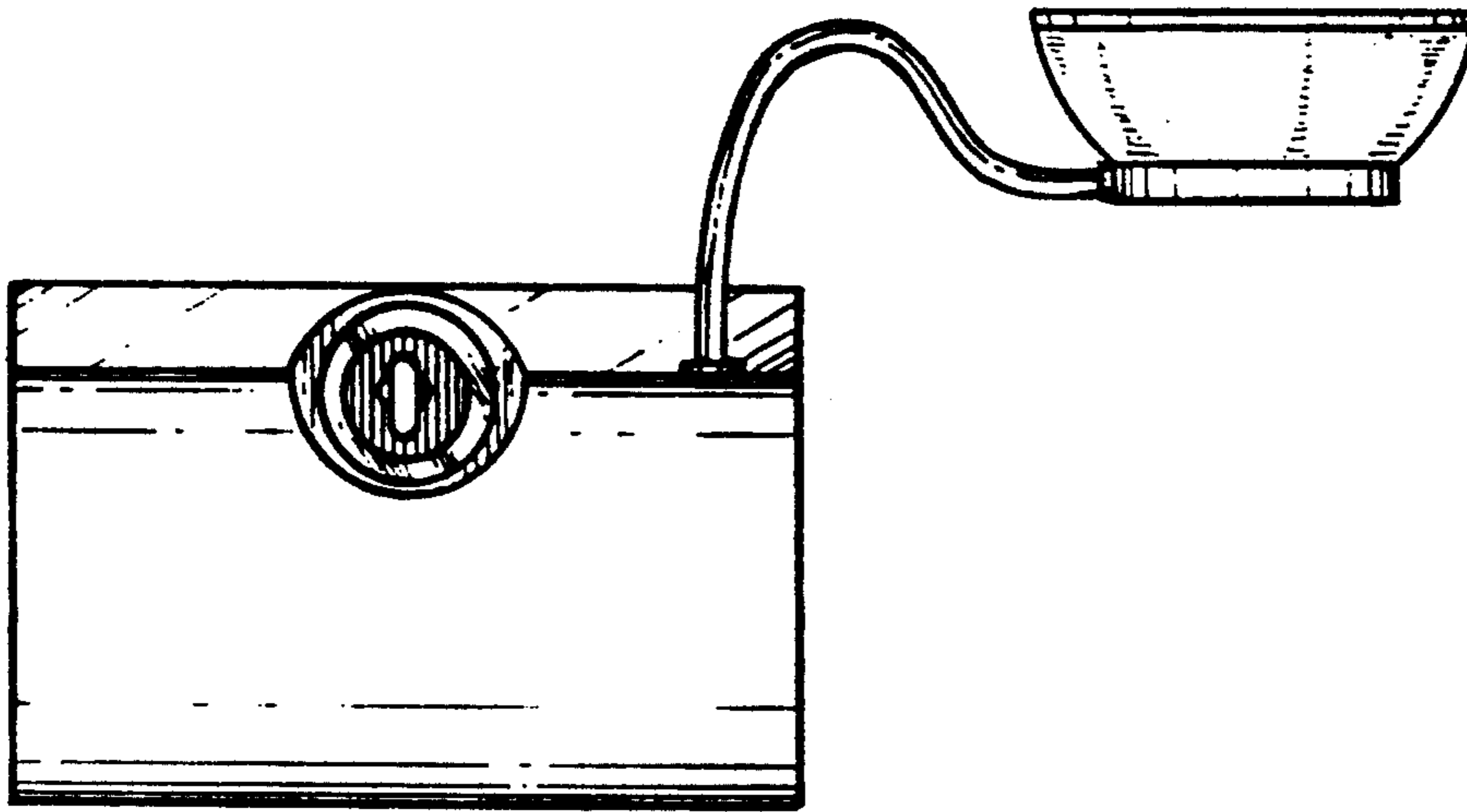


FIG. 6

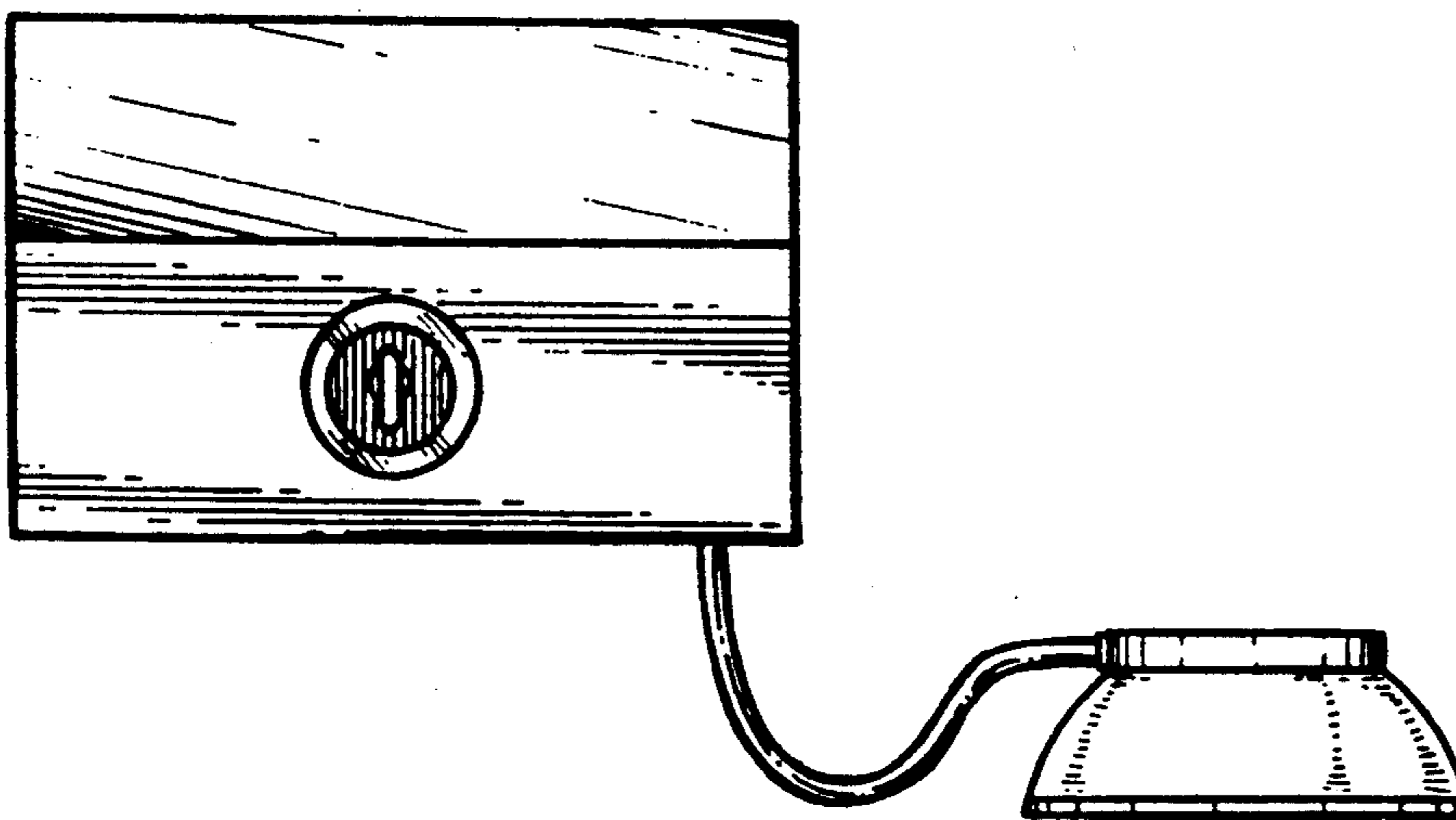


FIG. 7