

US00D848976S

(12) **United States Design Patent** (10) **Patent No.:** **US D848,976 S**  
**Yoon** (45) **Date of Patent:** **\*\* May 21, 2019**

(54) **WOOFER SPEAKER**

(56) **References Cited**

(71) Applicant: **LG ELECTRONICS INC.**, Seoul (KR)

U.S. PATENT DOCUMENTS

(72) Inventor: **Sanghoon Yoon**, Seoul (KR)

D438,523	S	*	3/2001	Lytel	.....	D14/141.2
D471,534	S	*	3/2003	Suzuki	.....	D14/215
D641,730	S	*	7/2011	Oota	.....	D14/216
D675,596	S	*	2/2013	Kusuki	.....	D14/210
D695,268	S	*	12/2013	Holzer	.....	D14/204
D696,646	S	*	12/2013	Deguchi	.....	D14/216
D697,054	S	*	1/2014	Li	.....	D14/216
D769,223	S	*	10/2016	Hinokio	.....	D14/215
D770,416	S	*	11/2016	Tkachuk	.....	D14/216
D785,597	S	*	5/2017	Fung	.....	D14/204
D789,326	S	*	6/2017	Hinokio	.....	D14/204
D810,049	S	*	2/2018	Lee	.....	D14/216

(73) Assignee: **LG ELECTRONICS INC.**, Seoul (KR)

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

(21) Appl. No.: **35/503,286**

(22) Filed: **Jan. 3, 2017**

\* cited by examiner

(80) **Hague Agreement Data**

Int. Filing Date: **Jan. 3, 2017**  
Int. Reg. No.: **DM/094160**  
Int. Reg. Date: **Jan. 3, 2017**  
Int. Reg. Pub. Date: **Jul. 7, 2017**

*Primary Examiner* — Melanie H Tung  
*Assistant Examiner* — Bao-Yen T Nguyen  
(74) *Attorney, Agent, or Firm* — Birch, Stewart, Kolasch & Birch, LLP

(30) **Foreign Application Priority Data**

Jul. 5, 2016 (KR) ..... 30-2016-0032793

(51) **LOC (11) Cl.** ..... **14-01**

(52) **U.S. Cl.**  
USPC ..... **D14/216**

(58) **Field of Classification Search**  
USPC ..... D14/167, 168, 170–172, 188, 194–196,  
D14/204, 207, 209, 209.1, 210–216, 221,  
D14/222, 224, 496  
CPC ... H04R 9/06; H04R 7/12; H04R 1/02; H04R  
5/02; H04M 1/035; H04M 1/03  
See application file for complete search history.

(57) **CLAIM**

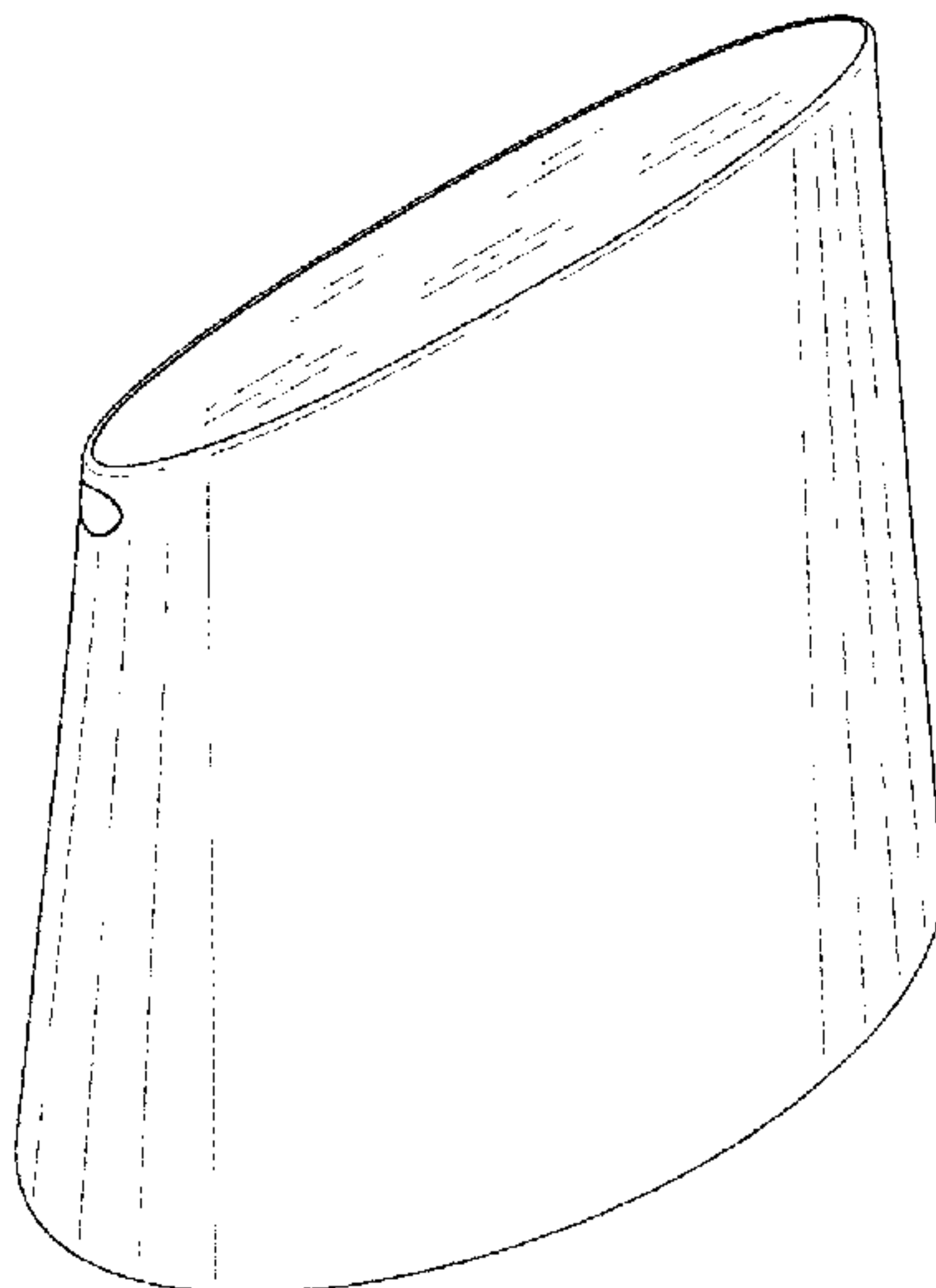
The ornamental design for a woofer speaker, as shown and described.

**DESCRIPTION**

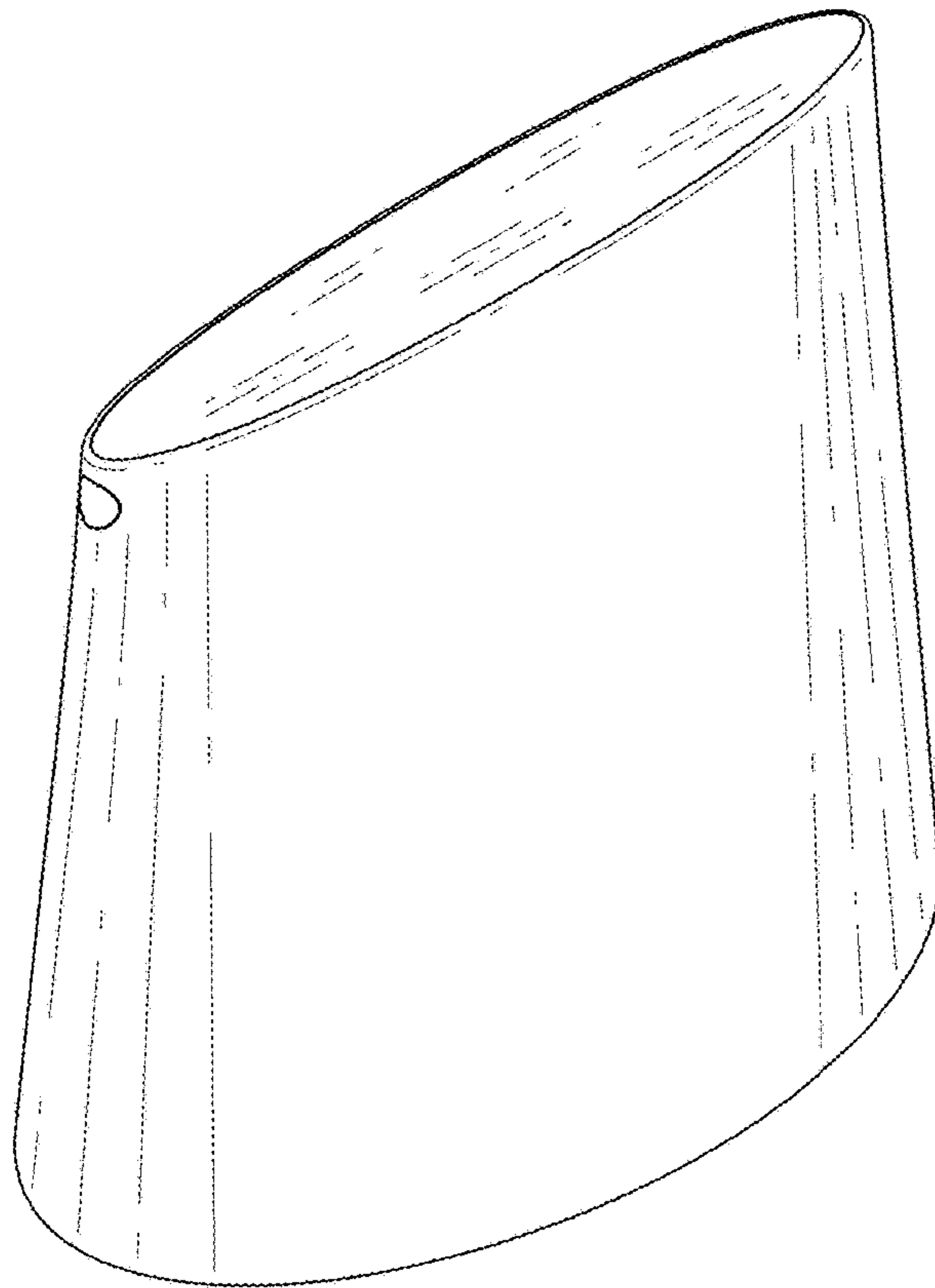
1. Woofer speaker
- 1.2 : Front
- 1.3 : Back
- 1.4 : Left
- 1.5 : Right
- 1.6 : Top
- 1.7 : Bottom

The broken lines shown in figure 1.7 depict portions of the woofer speaker that form no part of the claimed design.

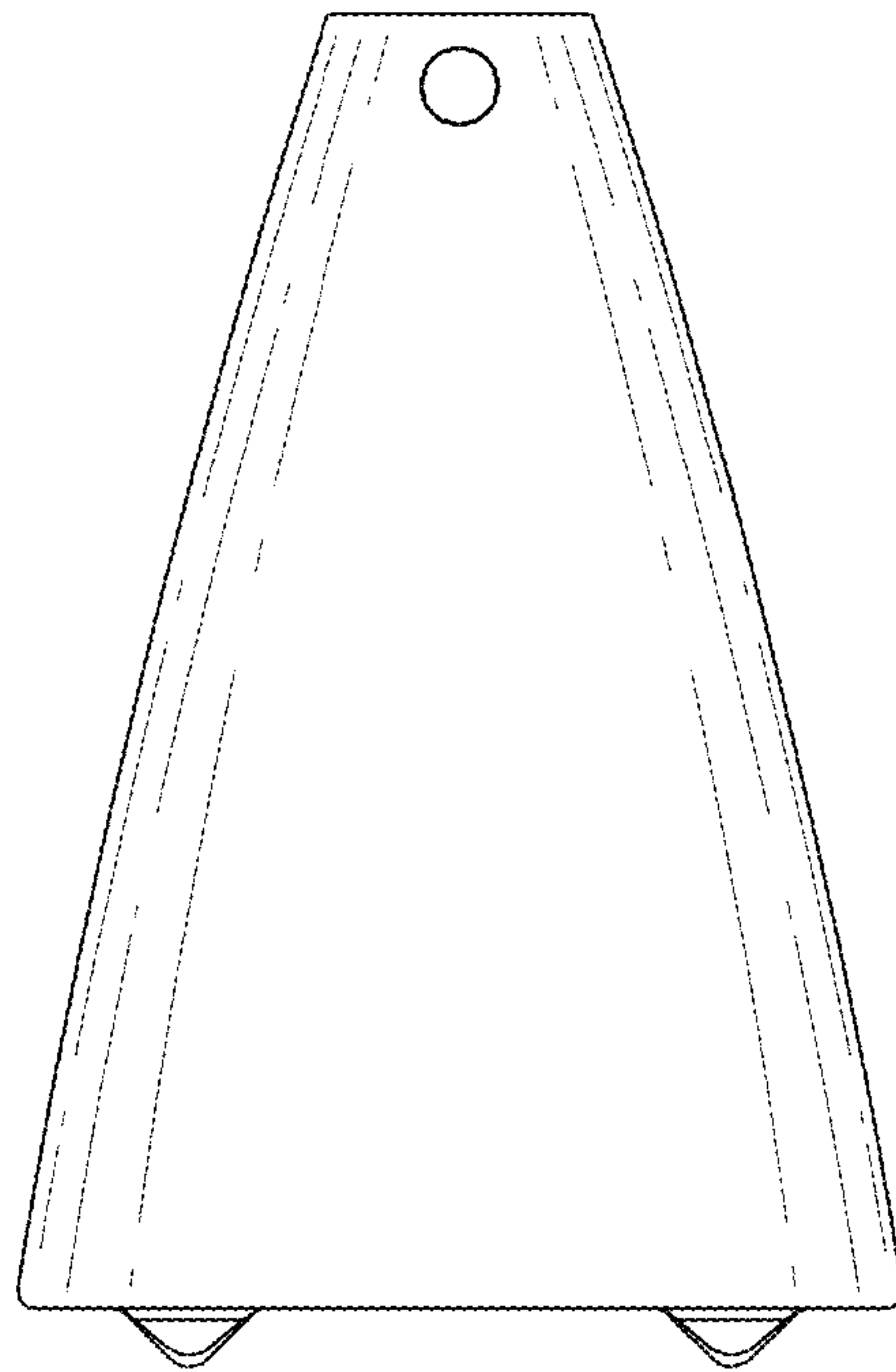
**1 Claim, 7 Drawing Sheets**



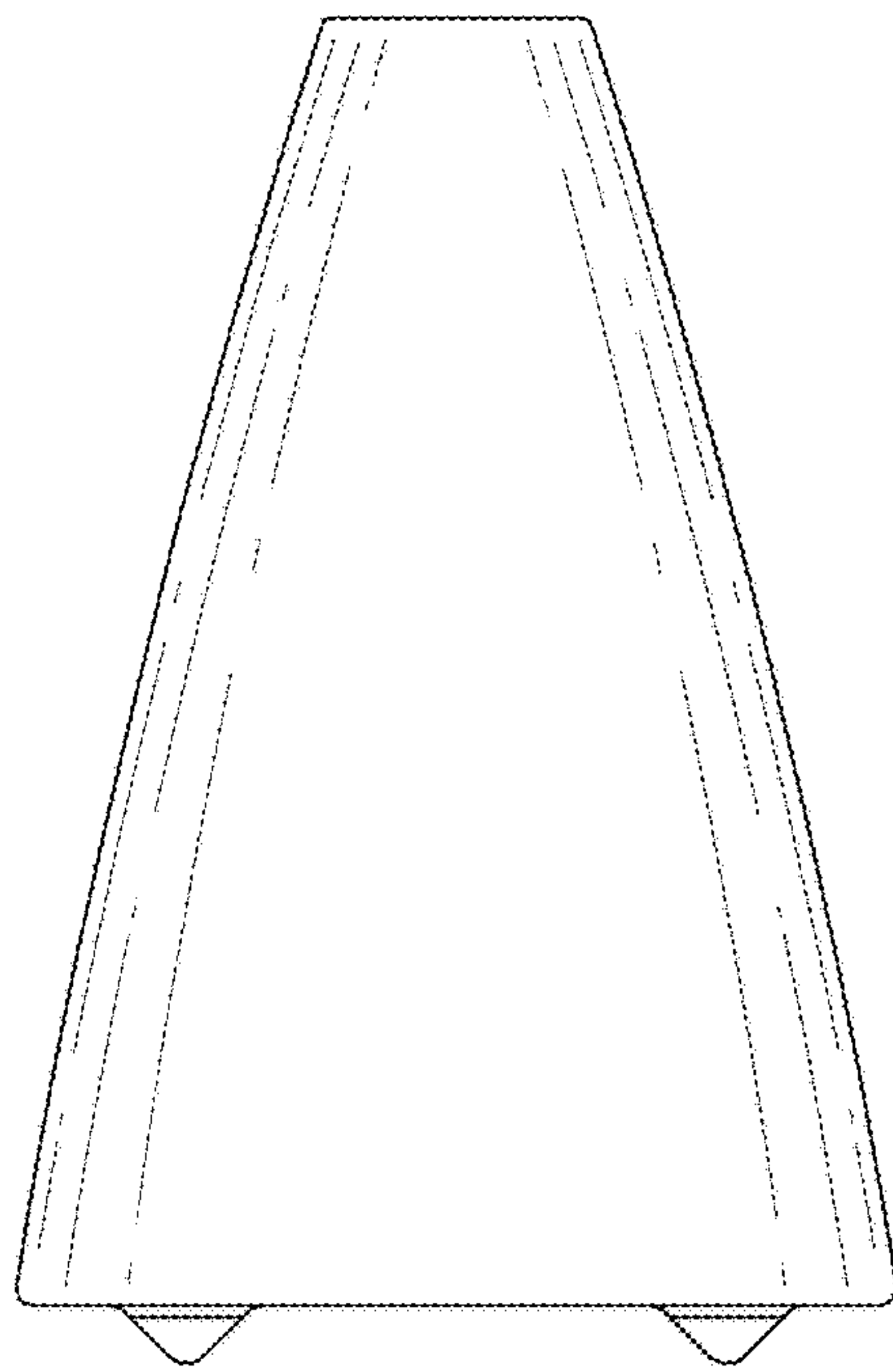
1.1



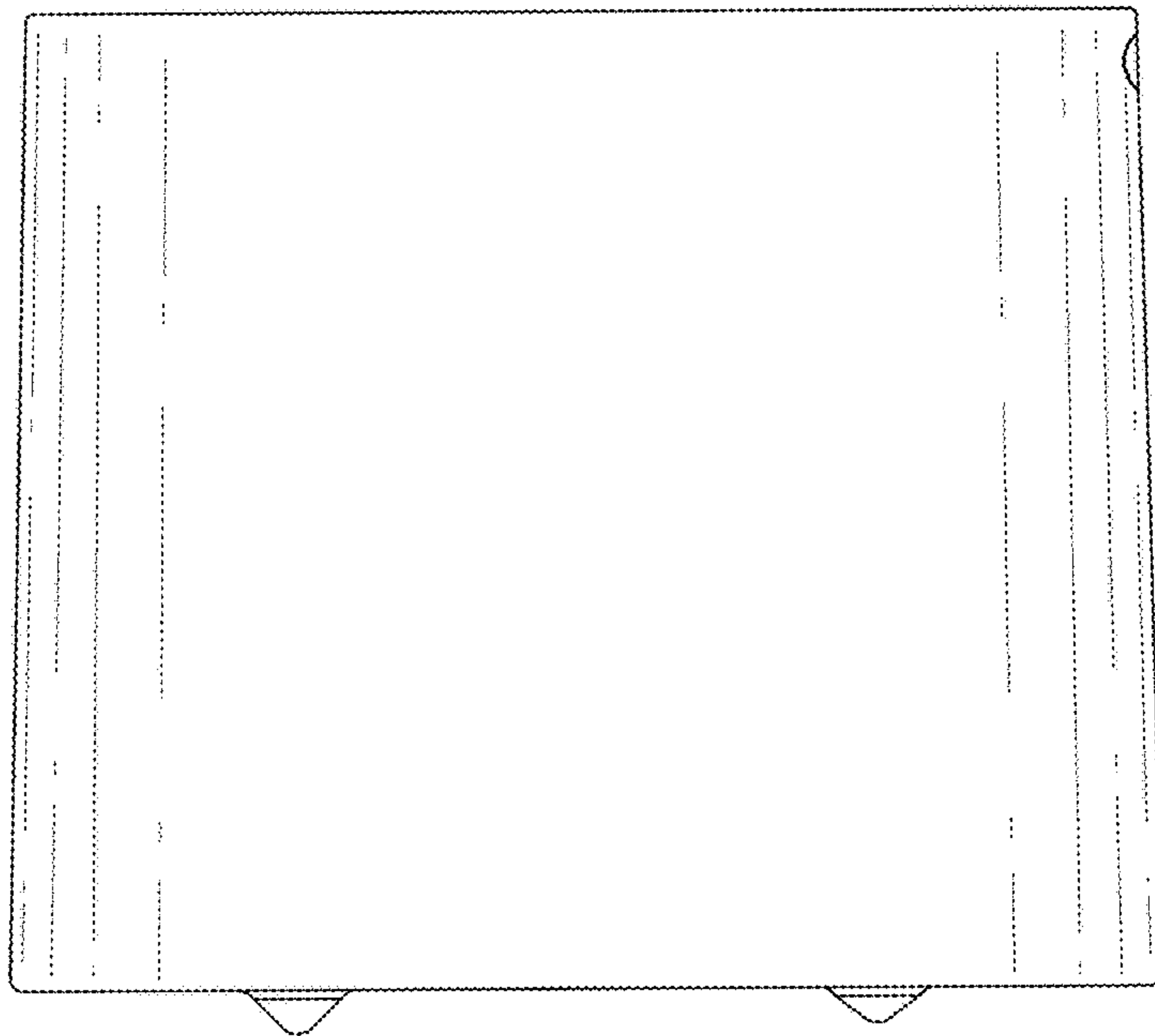
1.2



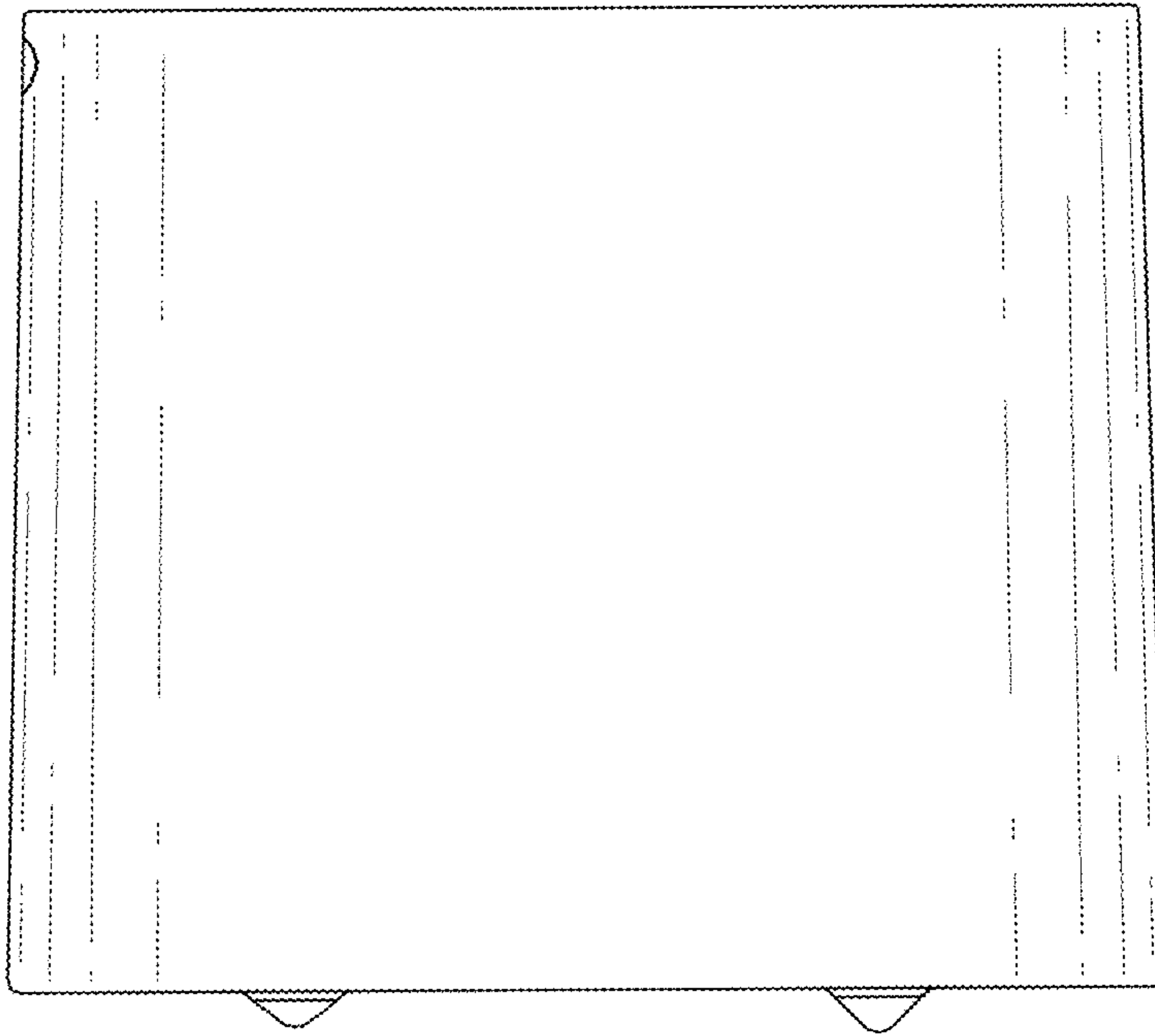
1.3



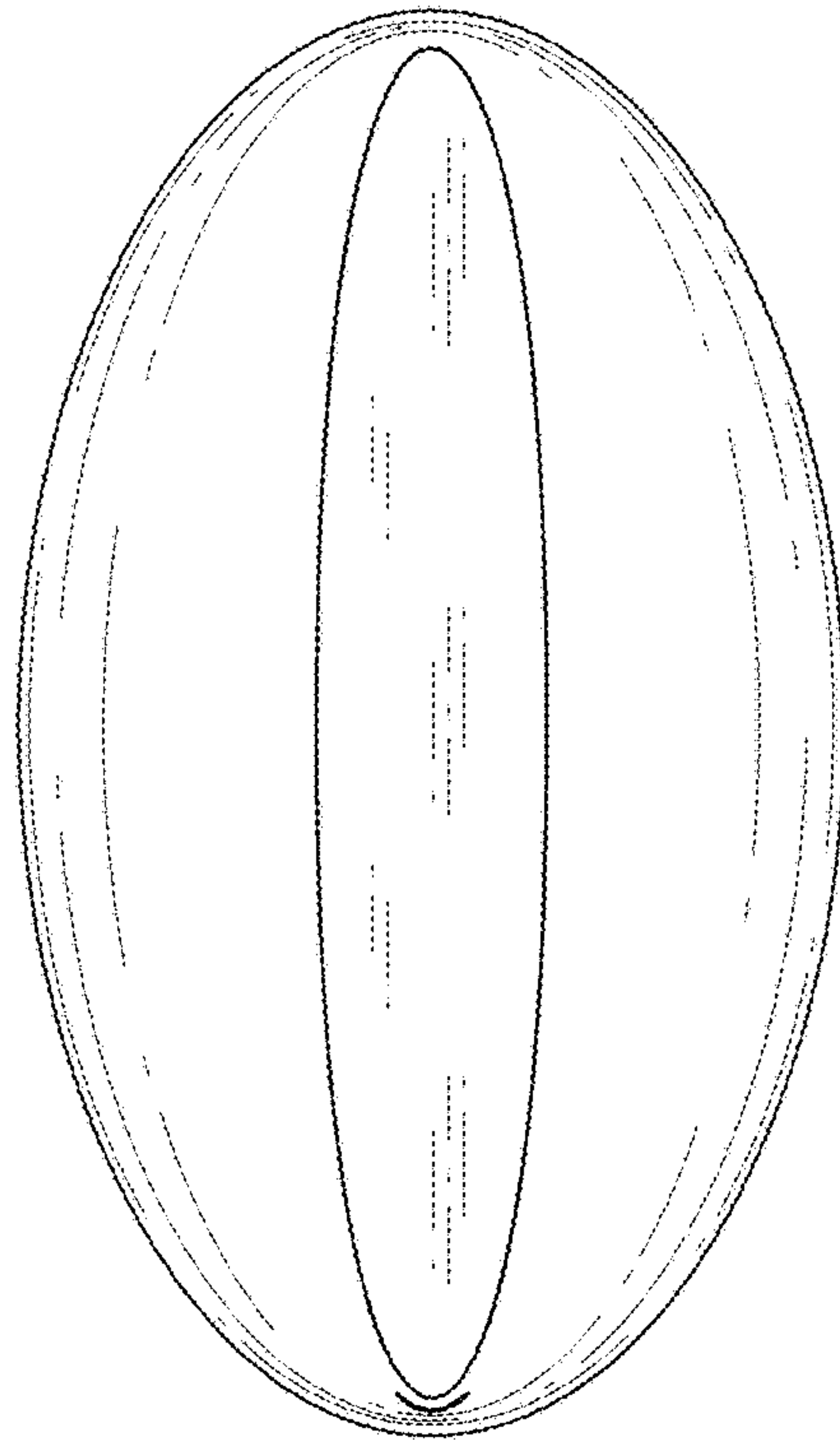
1.4



1.5



1.6



1.7

