



US00D922221S

(12) **United States Design Patent**
Matsumoto et al.

(10) **Patent No.:** **US D922,221 S**
(45) **Date of Patent:** **** Jun. 15, 2021**

(54) **SAMPLE TEMPERATURE CONTROLLER**

(71) Applicant: **ATAGO CO., LTD.**, Tokyo (JP)

(72) Inventors: **Junichi Matsumoto**, Tokyo (JP);
Hideyuki Amamiya, Tokyo (JP);
Daisuke Endo, Tokyo (JP)

(73) Assignee: **ATAGO CO., LTD.**, Tokyo (JP)

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

(21) Appl. No.: **35/508,452**

(22) Filed: **Nov. 5, 2019**

(80) **Hague Agreement Data**

Int. Filing Date: **Nov. 5, 2019**

Int. Reg. No.: **DM/205380**

Int. Reg. Date: **Nov. 5, 2019**

Int. Reg. Pub. Date: **Jan. 31, 2020**

(30) **Foreign Application Priority Data**

Jun. 21, 2019 (JP) JP2019-013809

(51) **LOC (13) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/50; D10/81**

(58) **Field of Classification Search**
USPC D10/81, 46, 49, 50, 51, 52, 53, 54, 55,
D10/56, 57, 58, 60, 103; D24/224, 216
CPC G01N 11/14; G01N 11/00; G01N 11/02;
G01N 11/04; G01N 11/10; G01N 11/142;
G01N 11/06; G01N 11/08; G01N 11/12;
G01N 24/081; G01N 24/08

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

687,334 A * 11/1901 Reilly G01N 11/08
73/54.04
D201,255 S * 6/1965 Czapar D10/102

3,734,119 A * 5/1973 Nudds G01N 11/10
137/92
4,552,012 A * 11/1985 Bohlin G01N 11/10
73/54.24
D439,498 S * 3/2001 Hennig D24/140
6,931,915 B2 * 8/2005 Garritano G01N 11/14
73/54.02
D522,145 S * 5/2006 Best D10/81
D601,444 S * 10/2009 Jones D10/103
D675,543 S * 2/2013 Brooking D10/56
D795,092 S * 8/2017 Trishaun D10/53
D796,362 S * 9/2017 Amamiya D10/96

(Continued)

FOREIGN PATENT DOCUMENTS

CN 201230094961 * 3/2012
CN 201730018722 * 1/2017

Primary Examiner — George D. Kirschbaum

Assistant Examiner — Samantha N Wood

(74) *Attorney, Agent, or Firm* — Lucas & Mercanti, LLP

(57) **CLAIM**

The ornamental design for a sample temperature controller,
as shown and described.

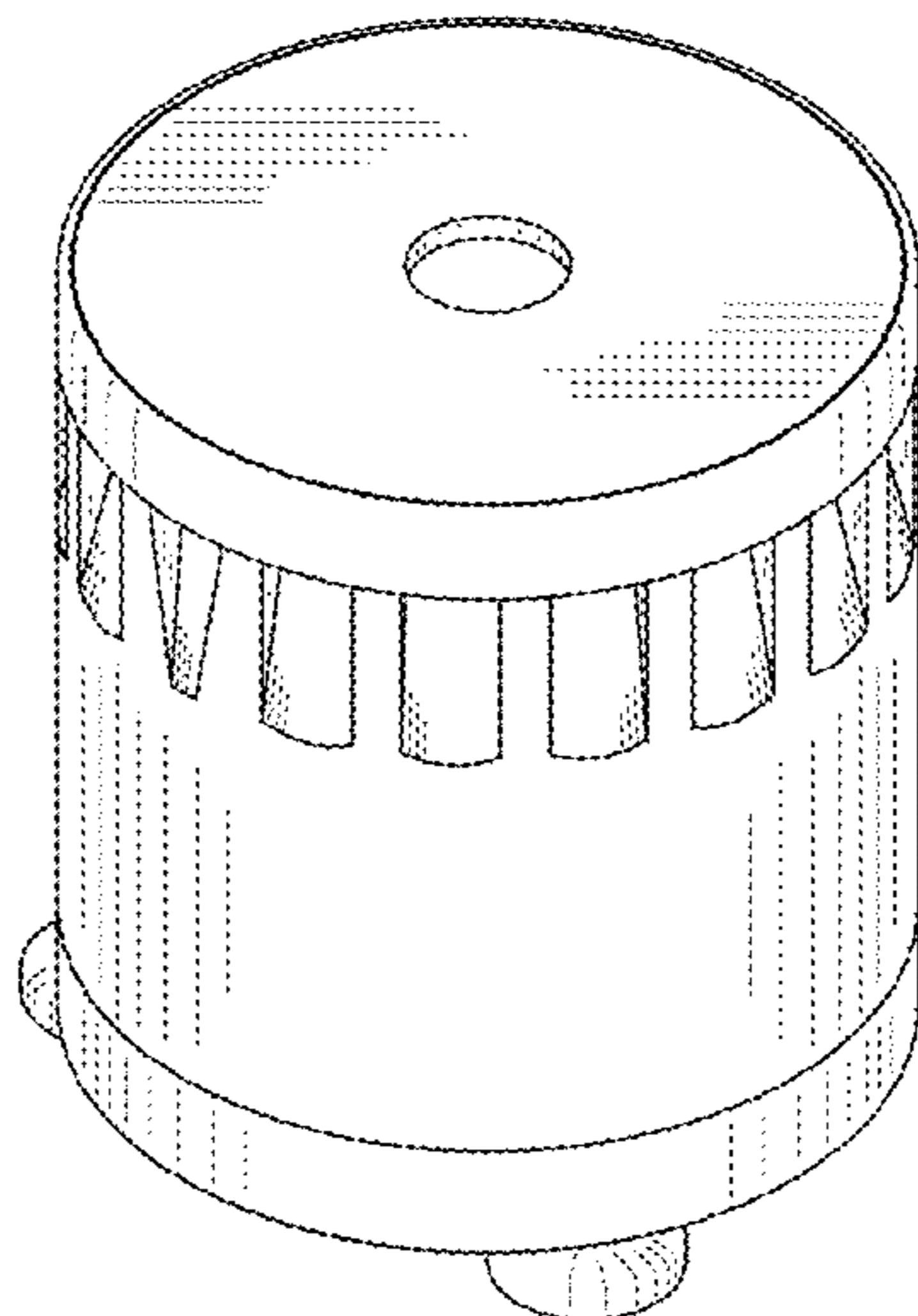
DESCRIPTION

- 1. Sample temperature controller
- 1.1 : Front
- 1.2 : Back
- 1.3 : Right
- 1.4 : Left
- 1.5 : Top
- 1.6 : Bottom
- 1.7 : Perspective

The sample temperature controller is aimed at stabilizing the temperature of a sample to be measured by a viscometer; the parallel thin lines in the representation represent contours only and do not illustrate an ornamentation or decoration on the surface of the product.

The broken lines show portions of a sample temperature controller which form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

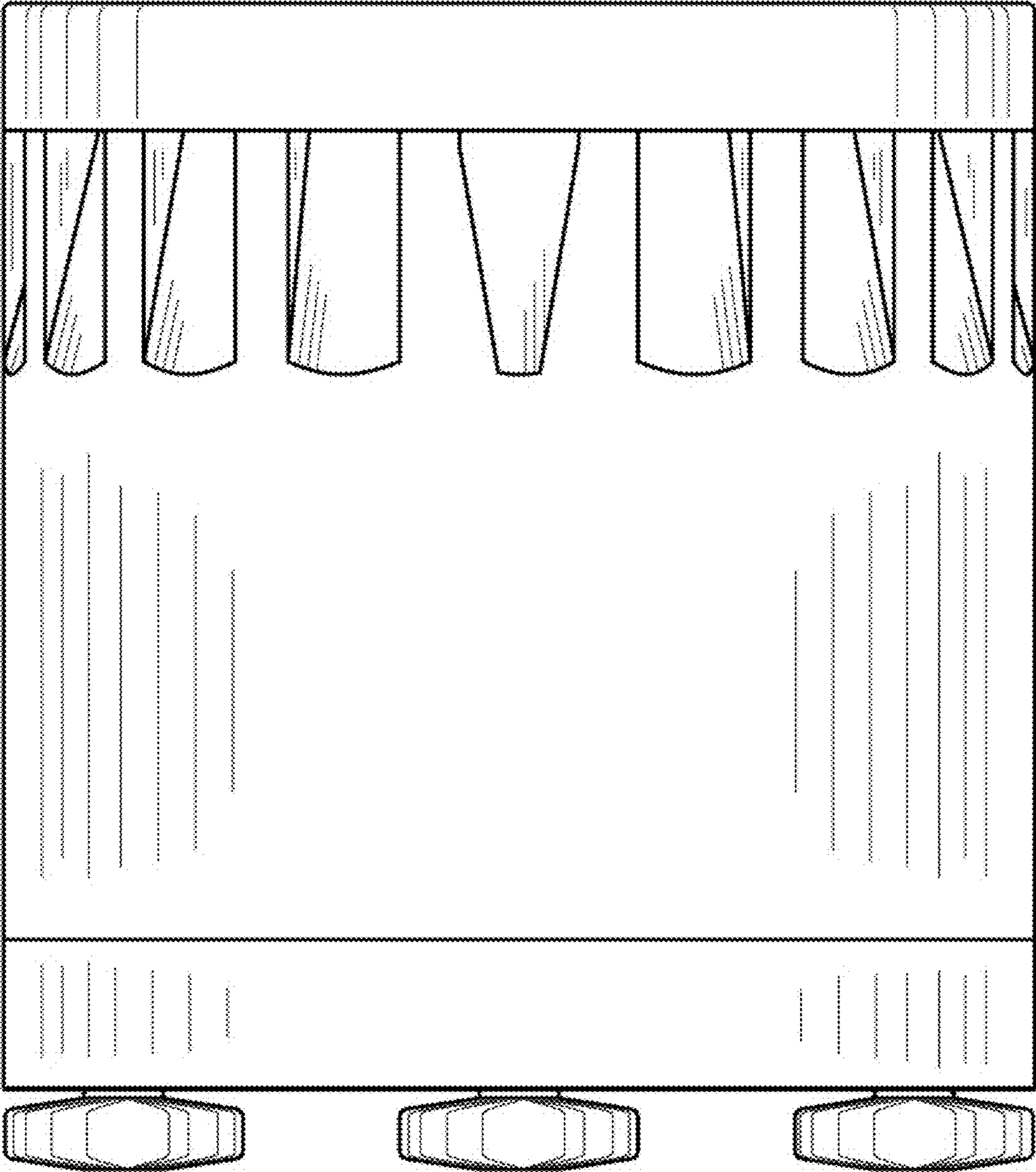
References Cited

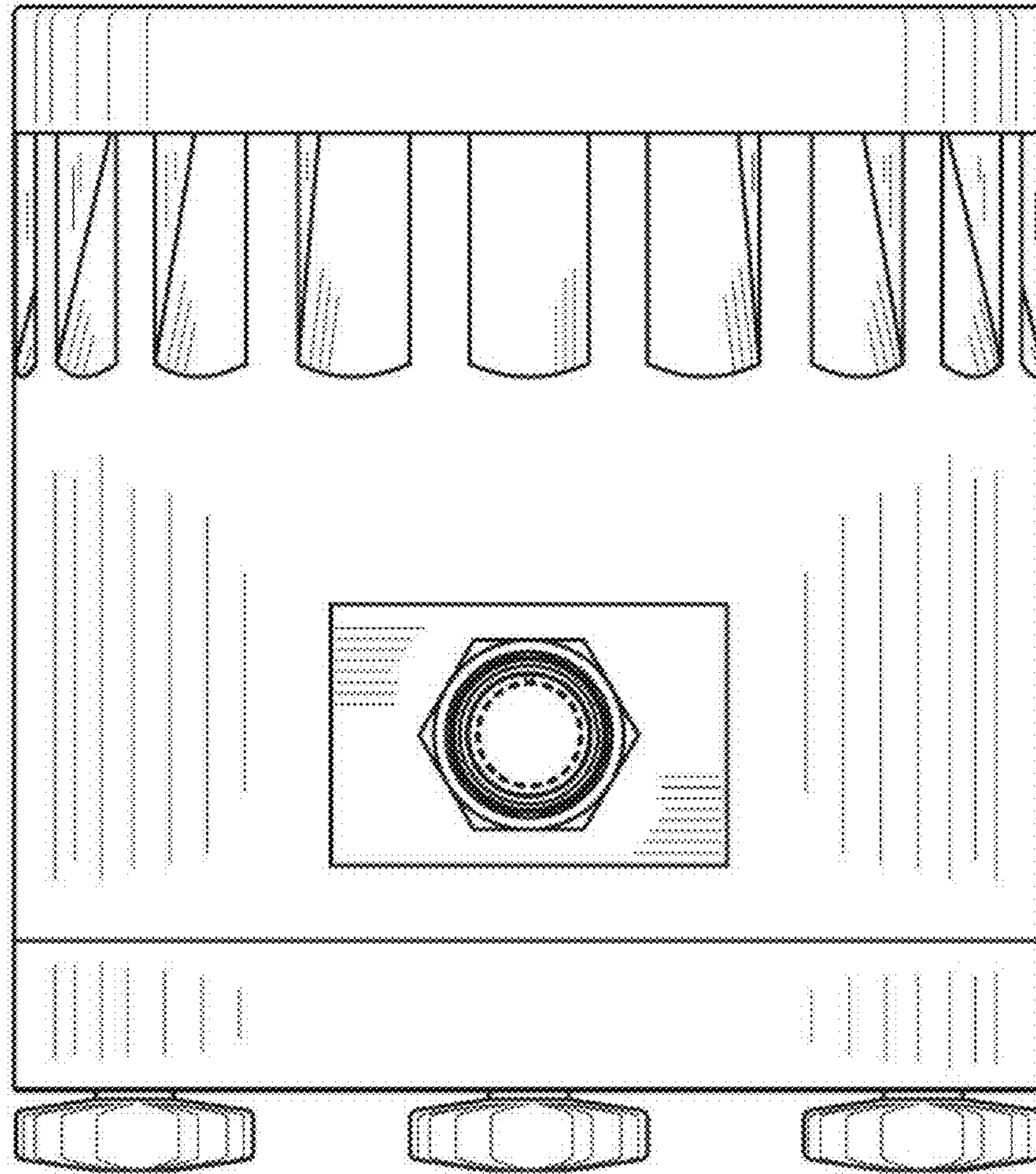
U.S. PATENT DOCUMENTS

D800,587 S * 10/2017 Cho D10/74
D833,023 S * 11/2018 Malefic D24/186

* cited by examiner

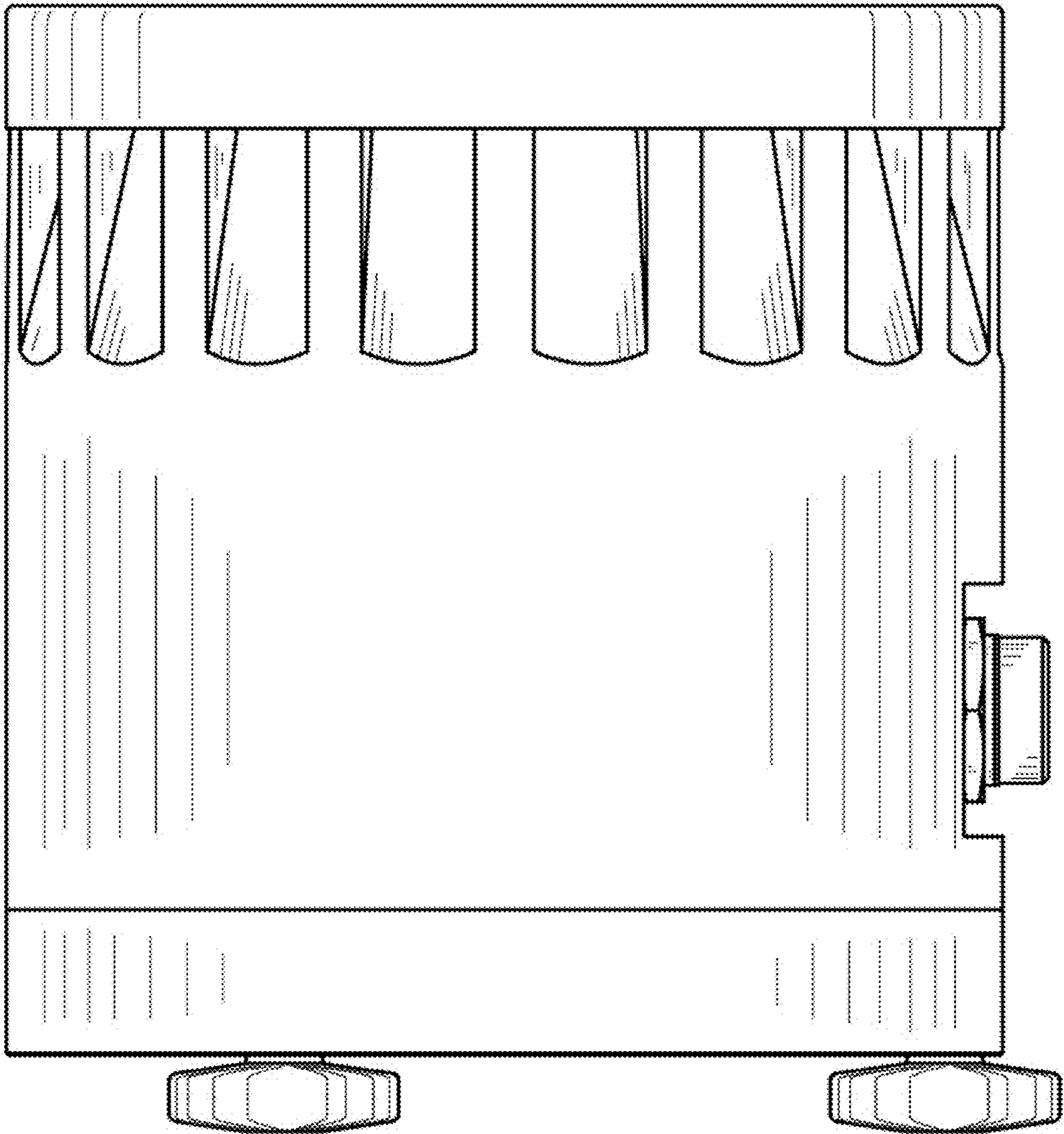
1.1



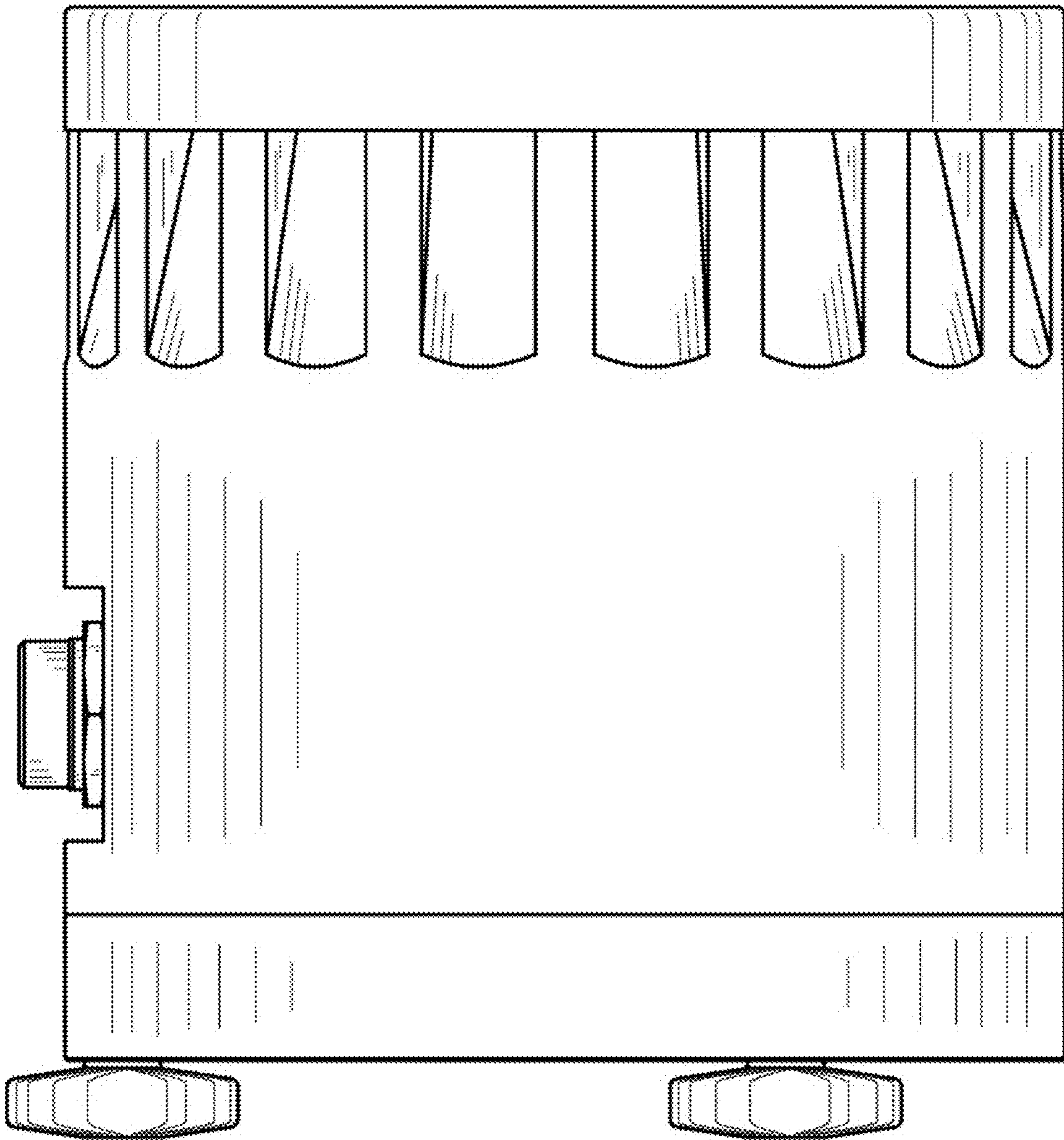


1.2

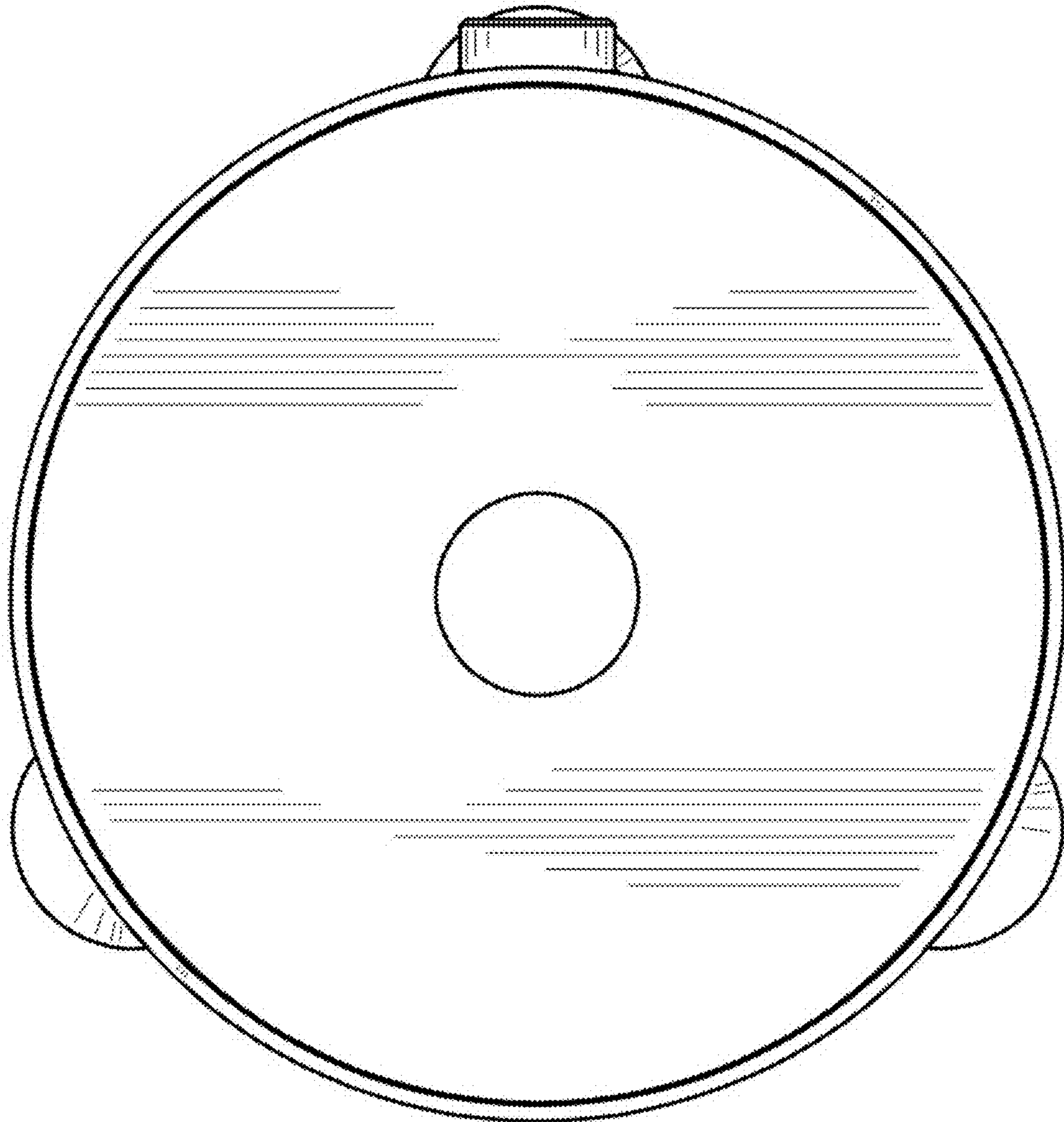
1.3

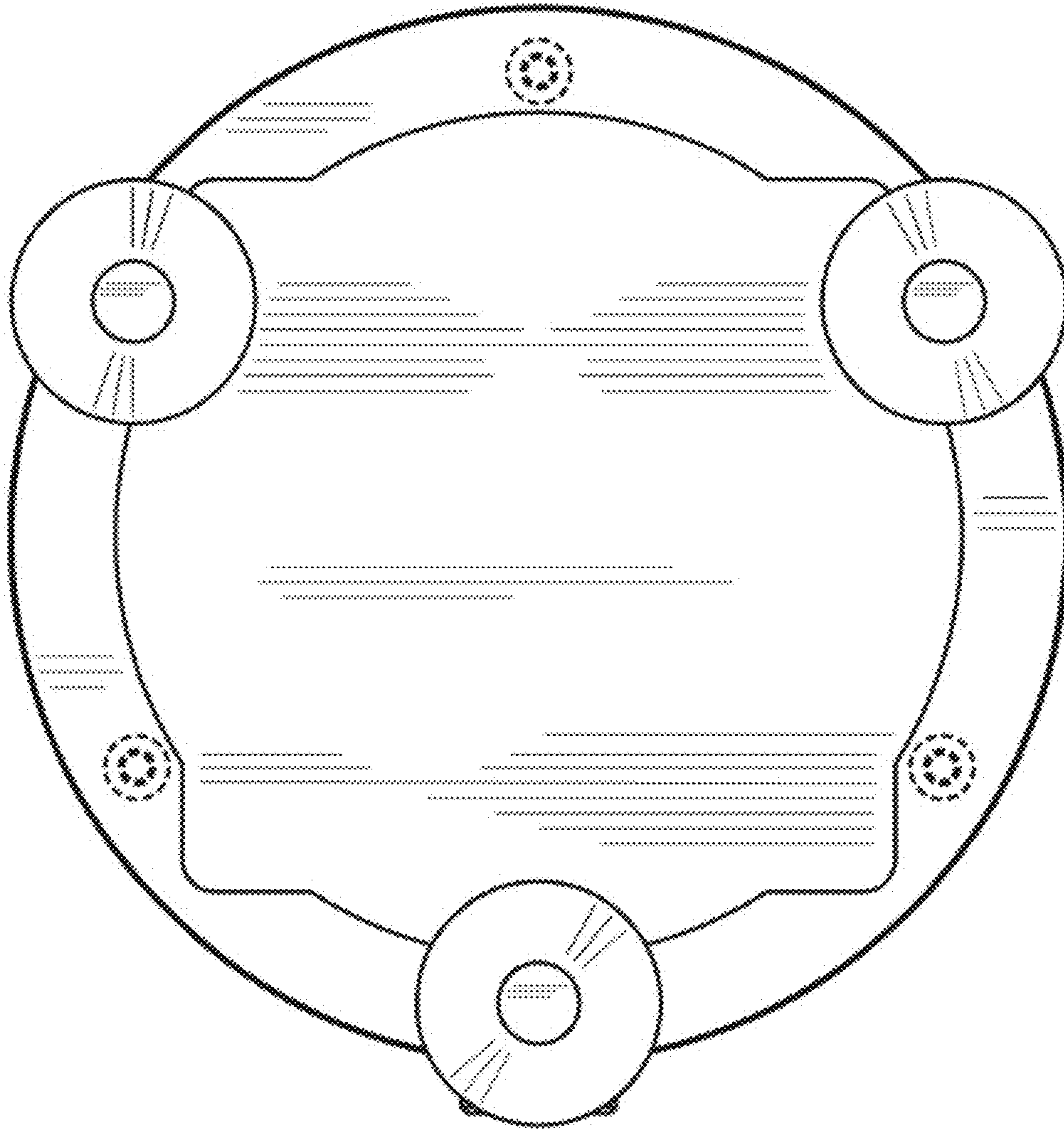


1.4



1.5





1.7

