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(12) **United States Design Patent** (10) **Patent No.:** **US D844,043 S**
Shibuya et al. (45) **Date of Patent:** **** Mar. 26, 2019**

(54) **PROJECTOR**

D764,563 S * 8/2016 Magi D16/221
9,491,423 B2 * 11/2016 Ko G03B 21/145
D827,693 S * 9/2018 Shibuya D16/225

(Continued)

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FOREIGN PATENT DOCUMENTS

JP D1566569 * 3/2016

OTHER PUBLICATIONS

(73) Assignee: **Maxell, Ltd.**, Kyoto (JP)

Shibuya et al., Design U.S. Appl. No. 29/601,568, filed Apr. 24, 2017.

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

(Continued)

(21) Appl. No.: **29/601,539**

Primary Examiner — Wan Laymon

(22) Filed: **Apr. 24, 2017**

(74) *Attorney, Agent, or Firm* — Crowell & Moring LLP

(30) **Foreign Application Priority Data**

(57) **CLAIM**

The ornamental design for a projector, as shown and described.

Oct. 25, 2016 (JP) 2016-023194

DESCRIPTION

(51) **LOC (11) Cl.** **16-02**

(52) **U.S. Cl.**

USPC **D16/230**

(58) **Field of Classification Search**

USPC D16/221, 225, 229–231, 232, 203, 208;
D14/423; D21/514; 353/119

CPC G03B 21/145; G03B 21/14; G03B 21/12;
G03B 21/001; G03B 21/003; G03B 21/00

See application file for complete search history.

This application contains subject matter related to the following co-pending U.S. design patent application: Application Ser. No. 29/601,568, filed herewith and entitled “Projector”;

Application Ser. No. 29/607,678, filed Jun. 15, 2017 and entitled “Projector”; and

Application Ser. No. 29/607,682 filed Jun. 15, 2017 and entitled “Projector”.

FIG. 1 is a front, bottom and right side perspective view of a projector according to the design;

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 plan view thereof.

The broken lines in the drawings are included for the purpose of illustrating portions of the projector that form no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D216,839 S * 3/1970 Rhoades et al. D16/221

D349,713 S * 8/1994 Hasegawa D16/203

D364,388 S * 11/1995 Miyahara D14/423

6,604,829 B2 * 8/2003 Rodriguez, Jr. G03B 21/145

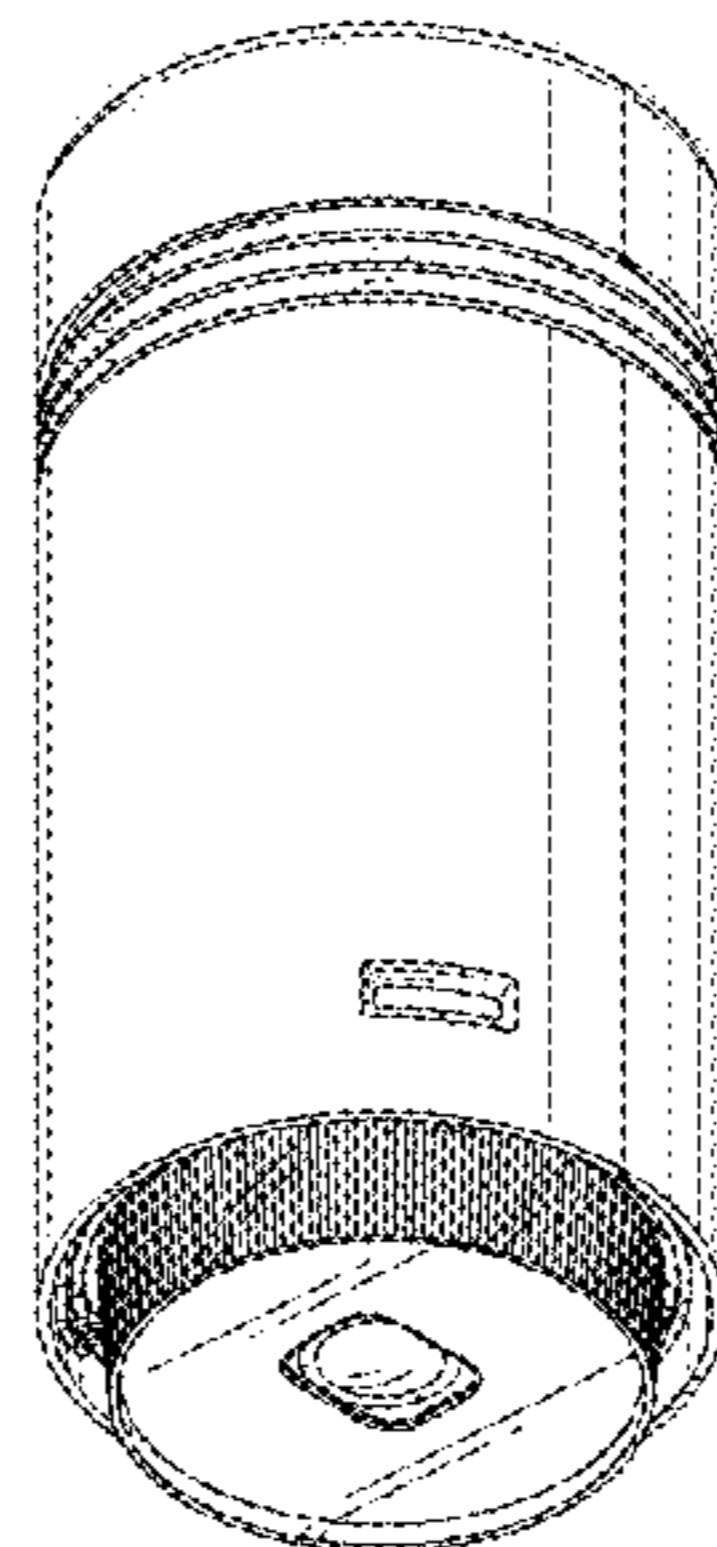
348/E5.137

D518,081 S * 3/2006 Peard D16/225

8,002,419 B2 * 8/2011 Amano G03B 21/10

353/119

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2014/0204347 A1* 7/2014 Murphy G03B 21/145
353/57
2016/0188123 A1* 6/2016 Fujiune G03B 21/145
345/156
2018/0063496 A1* 3/2018 Kasuga G03B 21/145

OTHER PUBLICATIONS

Shibuya et al., Design U.S. Appl. No. 29/607,682, filed Jun. 15, 2017.

Shibuya et al., Design U.S. Appl. No. 29/607,678, filed Jun. 15, 2017.

* cited by examiner

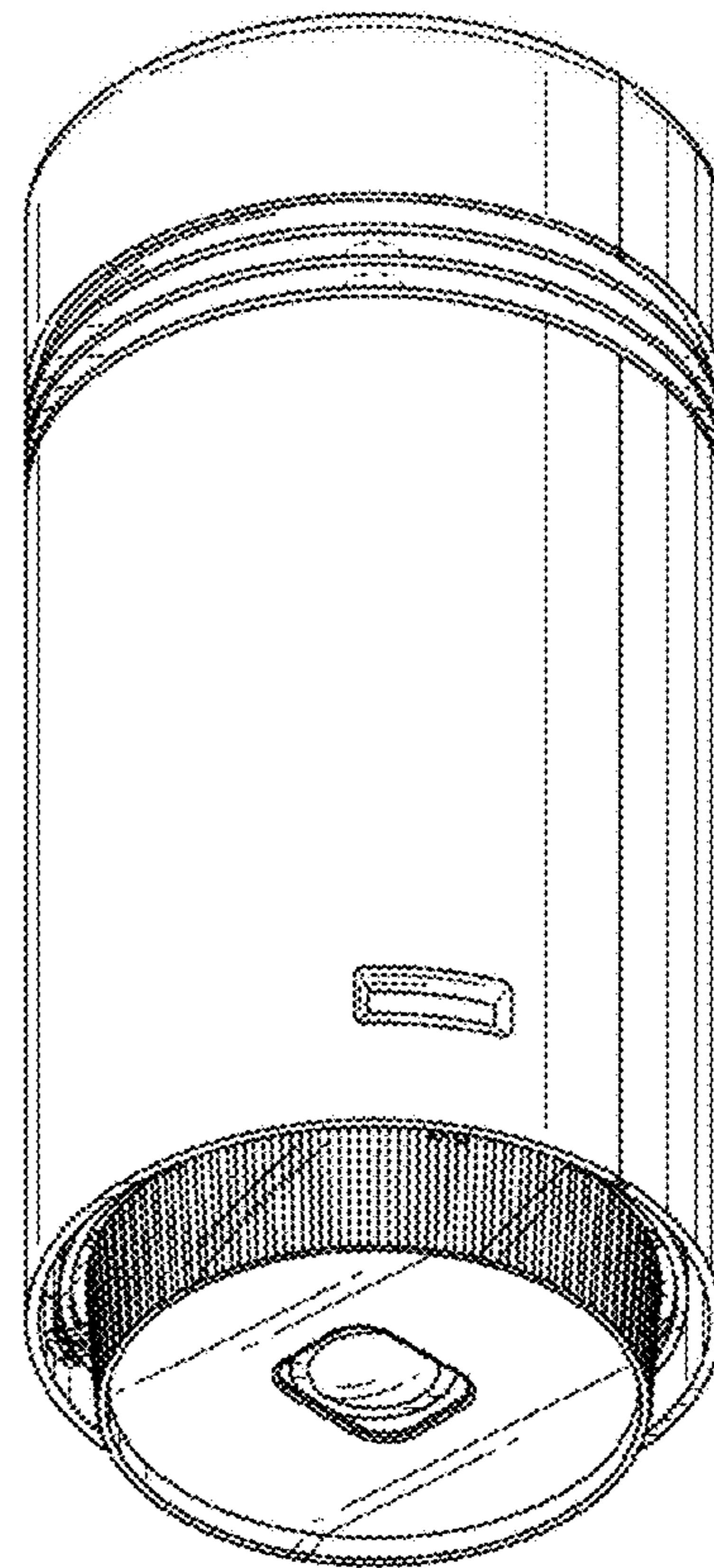


FIG. 1

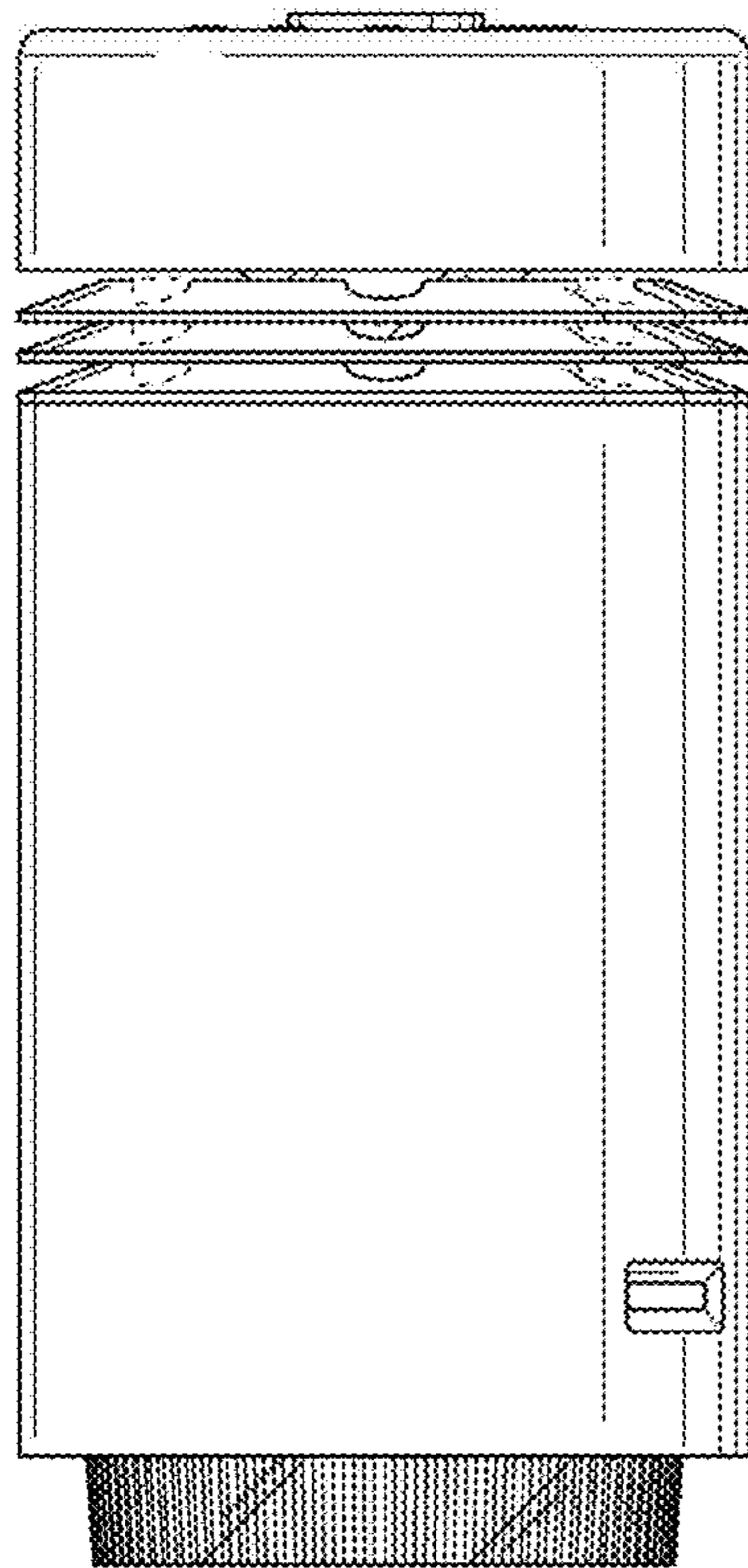


FIG. 2

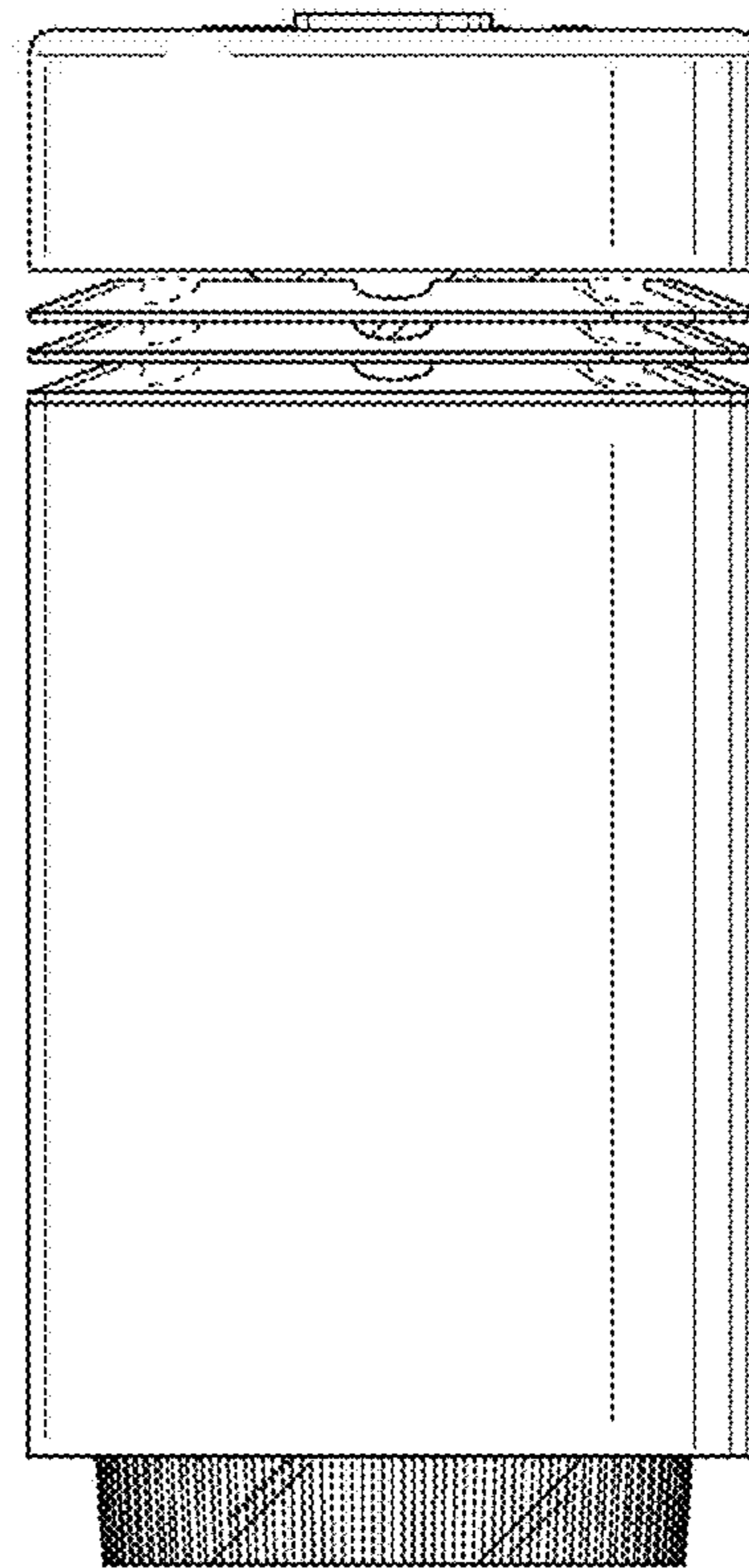


FIG. 3

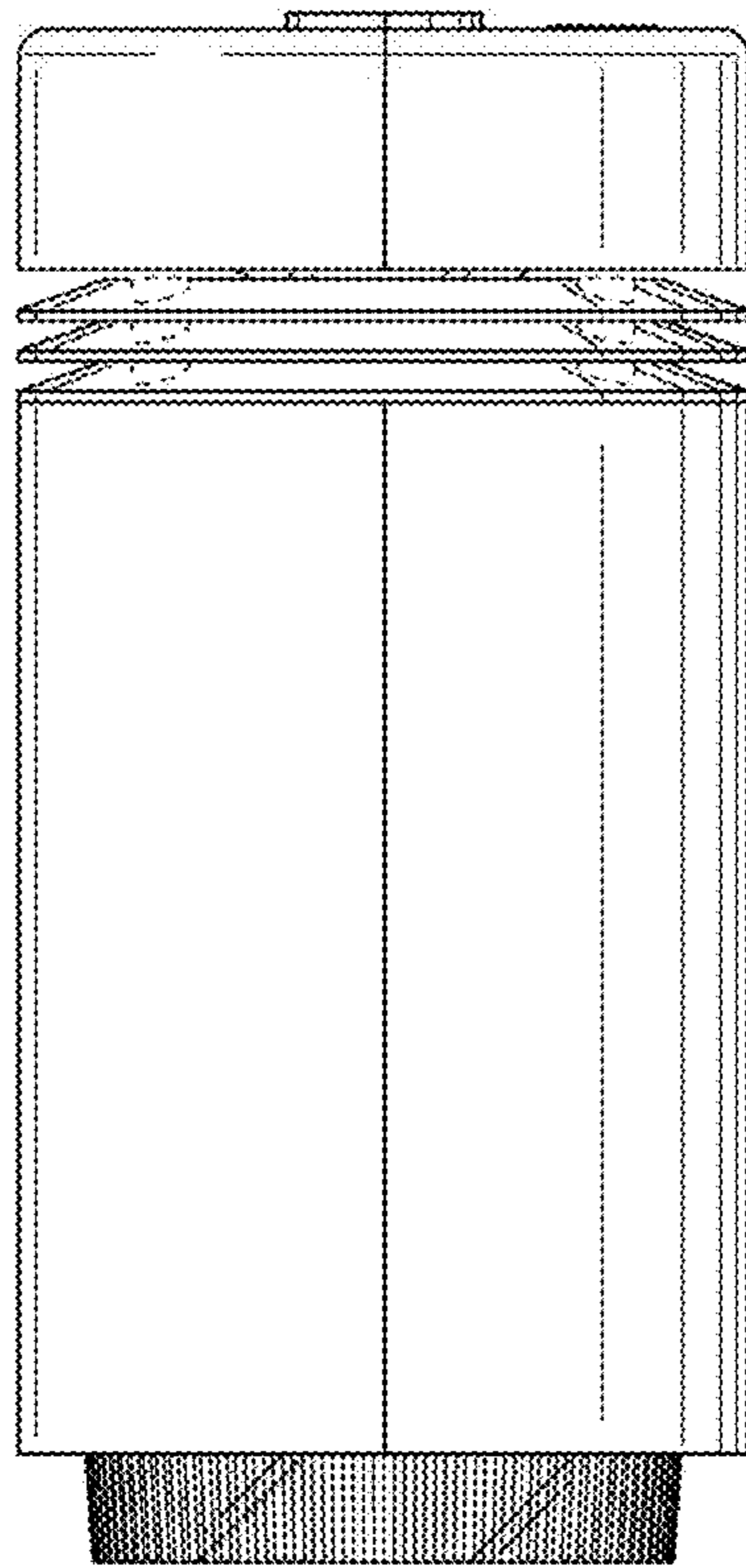


FIG. 4

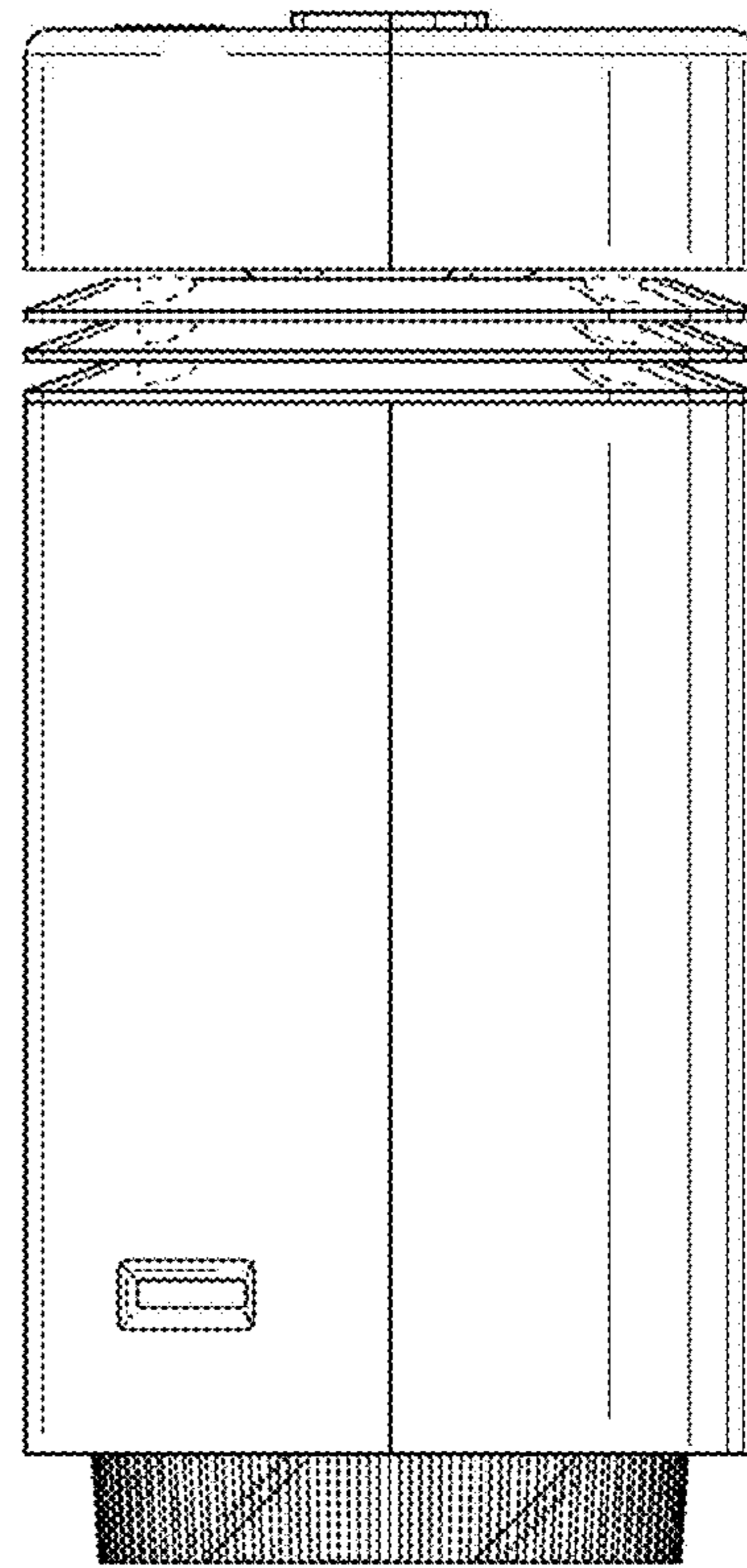


FIG. 5

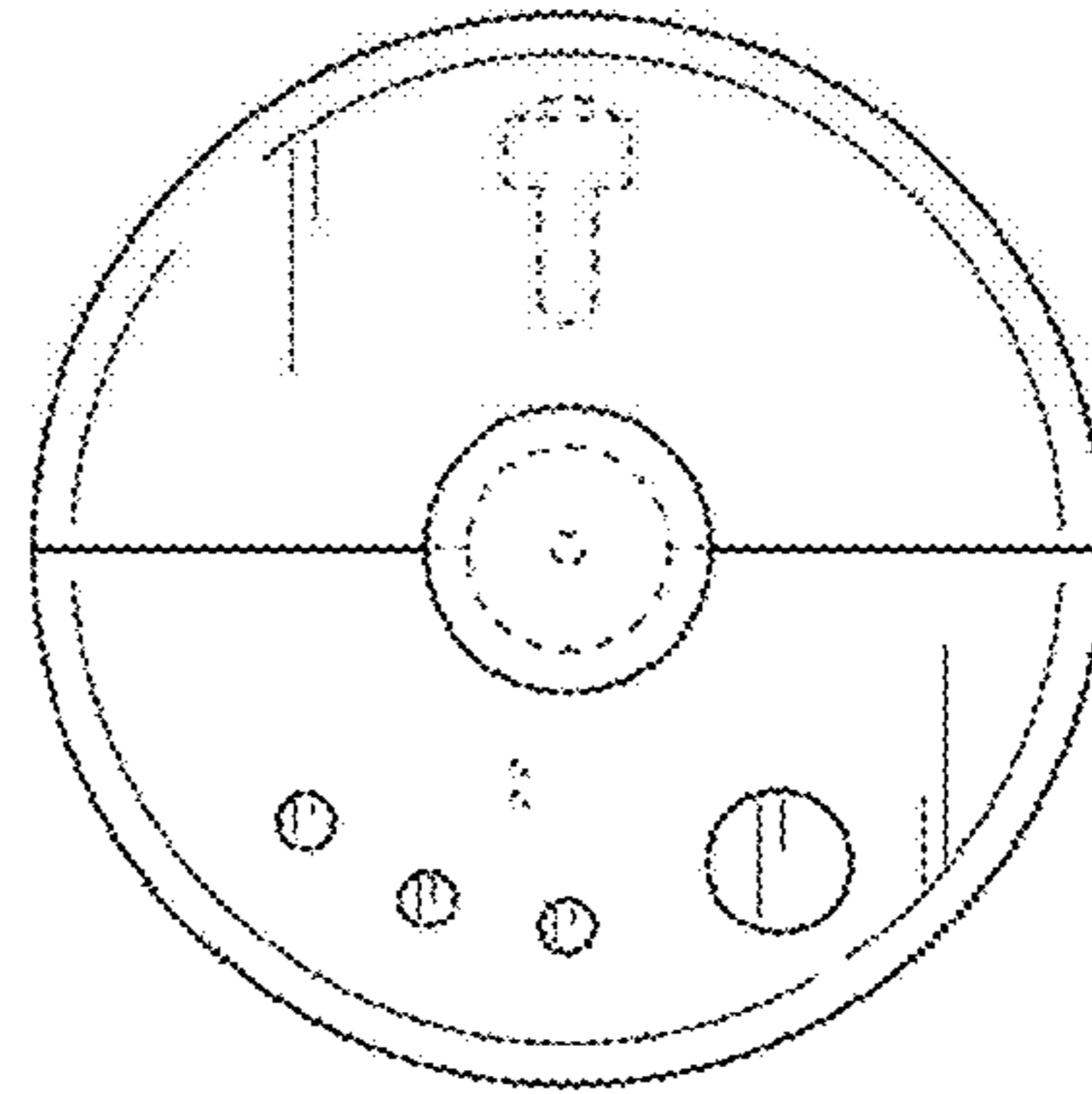


FIG. 6

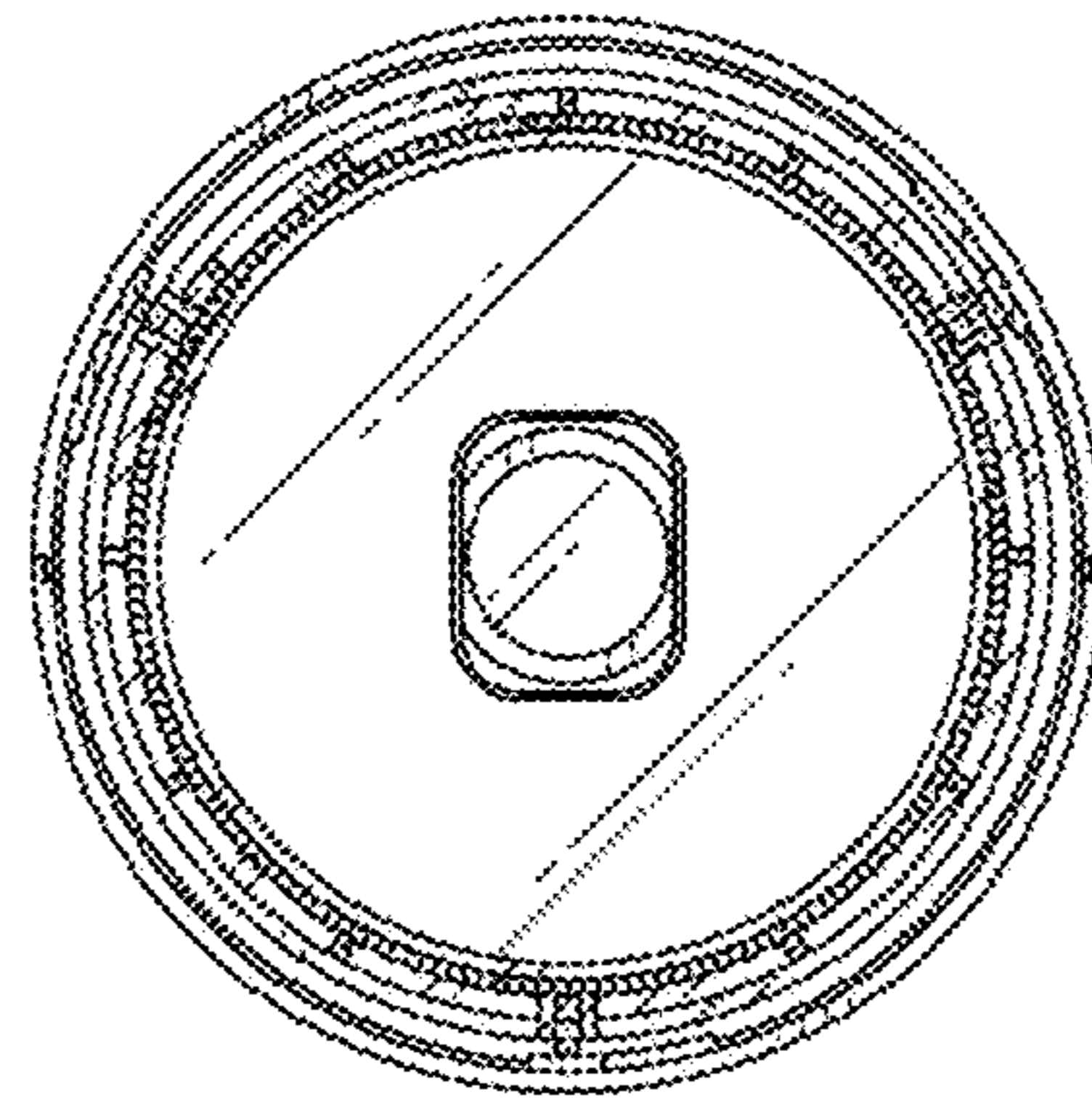


FIG. 7