



US0D1071394S

(12)

United States Design Patent

Chen et al.

(10)

Patent No.:

US D1,071,394 S

(45)

Date of Patent:

** Apr. 15, 2025

(54) SMART BIRD FEEDER

(71) Applicants: **Wei Chen**, Zhejiang (CN); **Yuewen Xu**, Zhejiang (CN); **Liming Wang**, Zhejiang (CN)

(72) Inventors: **Wei Chen**, Zhejiang (CN); **Yuewen Xu**, Zhejiang (CN); **Liming Wang**, Zhejiang (CN)

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

(21) Appl. No.: **29/957,491**

(22) Filed: **Aug. 14, 2024**

(30) Foreign Application Priority Data

Jul. 25, 2024 (CN) 202430468310.0

(51) LOC (15) Cl. **30-03**

(52) U.S. Cl.
USPC **D30/124; D30/128**

(58) Field of Classification Search

USPC D6/539, 563, 547; D7/505, 506, 514, D7/515, 518; D10/106.6, 109.1, 109.2, D10/121; D16/208; D30/110, 111, 112, D30/115, 121, 122, 124, 125, 126, 128, D30/129, 130, 131, 132, 133
CPC A01K 39/00; A01K 39/0206; A01K 39/01; A01K 39/012; A01K 39/04; A01K 39/12; A01K 39/026; A01K 39/005; A01K 39/0106; A01K 39/0113; A01K 39/0125;
(Continued)

(56) References Cited

U.S. PATENT DOCUMENTS

D727,575 S 4/2015 Schroeder
D899,702 S 10/2020 Thorn
(Continued)

FOREIGN PATENT DOCUMENTS

CN 308086785 * 6/2023
CN 308915972 * 10/2024

OTHER PUBLICATIONS

LongPlus® Smart Bird Feeder with Camera, posted xJan. 30, 2024 [online]. [retrieved Nov. 20, 2024]. Retrieved from internet, <https://tinyurl.com/5n8crban> (Year: 2024).*

(Continued)

Primary Examiner — Barbara Fox

Assistant Examiner — Darrelle A Centuori

(74) Attorney, Agent, or Firm — Hawaii Patent Services; Nathaniel K. Fedde; Kenton N. Fedde

(57) CLAIM

The ornamental design for a smart bird feeder, as shown and described.

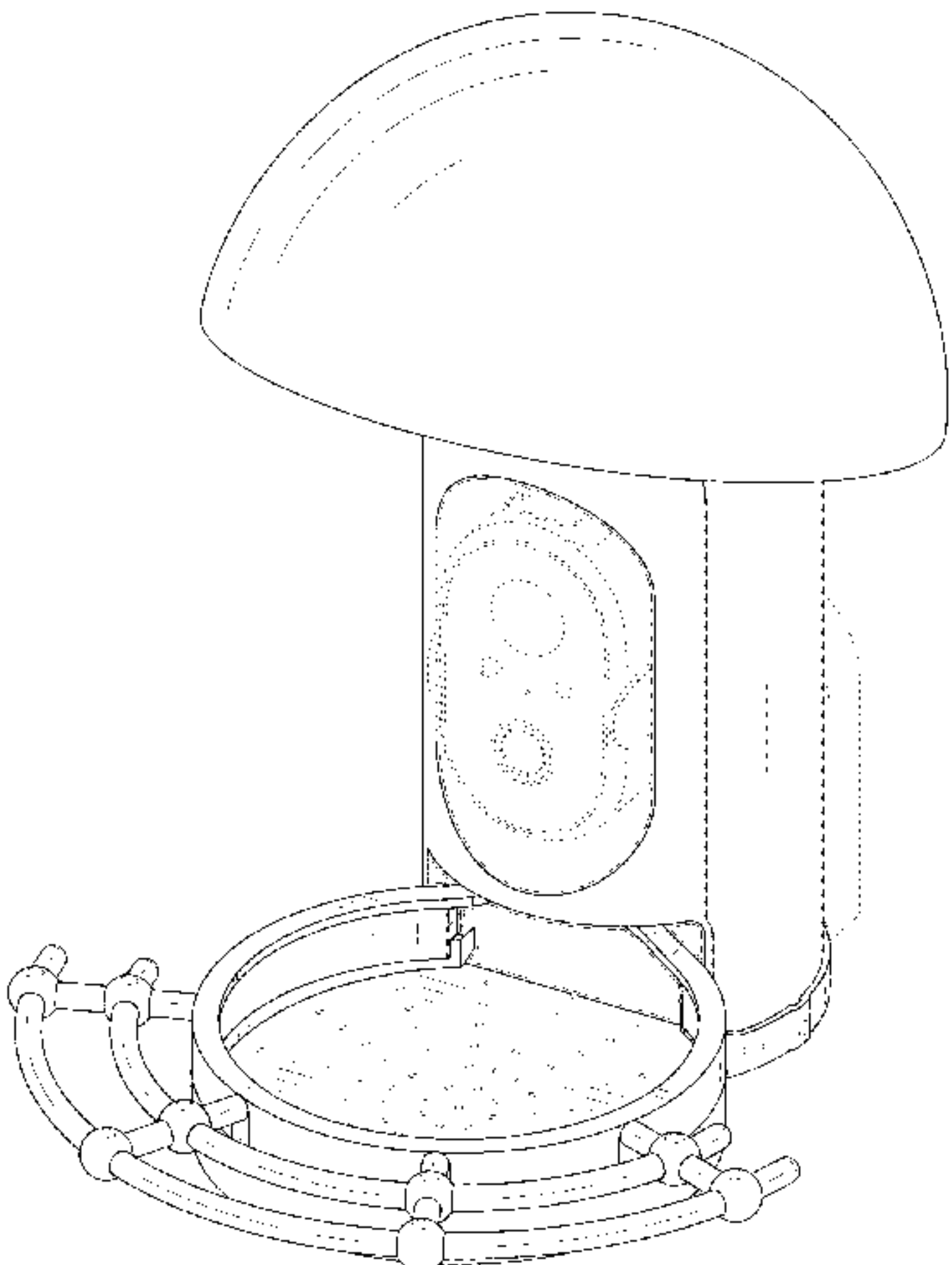
DESCRIPTION

FIG. 1 is a front, right, top perspective view of a smart bird feeder, showing our new design;
FIG. 2 is a rear, left, bottom perspective view thereof;
FIG. 3 is a front, left, bottom perspective view of the smart bird feeder in another angle;
FIG. 4 is a front elevational view thereof;
FIG. 5 is a rear elevational view thereof;
FIG. 6 is a left side view of the reduced scale thereof;
FIG. 7 is a right side view of the reduced scale thereof;
FIG. 8 is a top plan view thereof;
FIG. 9 is a bottom plan view thereof; and,
FIG. 10 is an enlarged view of detail 10 in FIG. 2.

The dashed broken lines in the figures are for the purposes of illustrating portions of the smart bird feeder and form no part of the claimed design.

The short-short-long dashed broken lines immediately adjacent to the claimed areas in the views represent the boundaries of the design and form no part of the claimed design. The dash-dot-dash broken lines are for notating enlarged views and form no part of the claimed design.

1 Claim, 10 Drawing Sheets



(58) **Field of Classification Search**
CPC .. A01K 39/02; A01K 39/0213; A01K 39/014;
A01K 31/12; A01K 31/14; A01K 5/0114;
A01K 5/0225; A01K 5/0233; H04N
1/00108; H04N 1/00111; H04N 1/00114;
G03B 29/00
See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS

D920,593	S	5/2021	Haney	
D975,930	S	1/2023	Lu	
D977,201	S	1/2023	Zheng	
D977,734	S	2/2023	Stoutt	
D978,448	S	2/2023	Liu	
D979,149	S	2/2023	Dodson	
D994,236	S	8/2023	Wang	
D995,939	S	8/2023	Huang	
D1,019,008	S *	3/2024	Li	D30/128
D1,029,411	S *	5/2024	Gao	D30/126
D1,032,959	S *	6/2024	Yuan	D30/124
2023/0027590	A1 *	1/2023	Hu	G06V 40/103

OTHER PUBLICATIONS

BBPECO Bird Feeder with Camera, posted Oct. 28, 2024 [online],
[retrieved retrieved Nov. 20, 2024]. Retrieved from internet, https://www.amazon.com/BBPECO-Feeder-Identify-Capture-Detection/dp/B0DFXVR9TB/ref=cm_cr_ar_p_d_product_top?ie=UTF8&th=1 (Year: 2024).*

Weather-Resistant Smart Bird Feeder in Sky Blu, Date not available
[online], [retrieved retrieved Nov. 20, 2024]. Retrieved from inter-
net, <https://tinyurl.com/eyhr434j> (Year: 2024).*

* cited by examiner

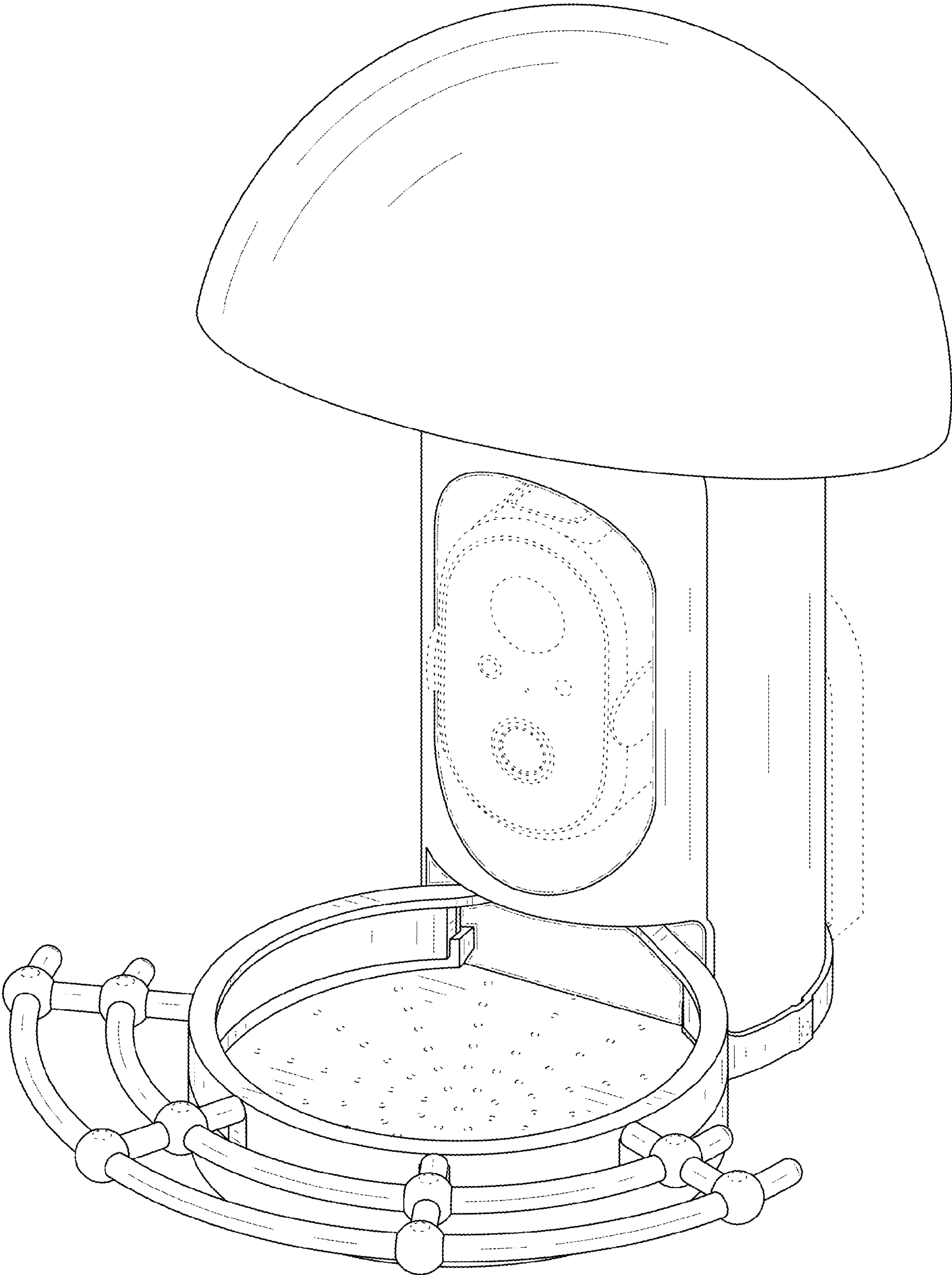


FIG. 1

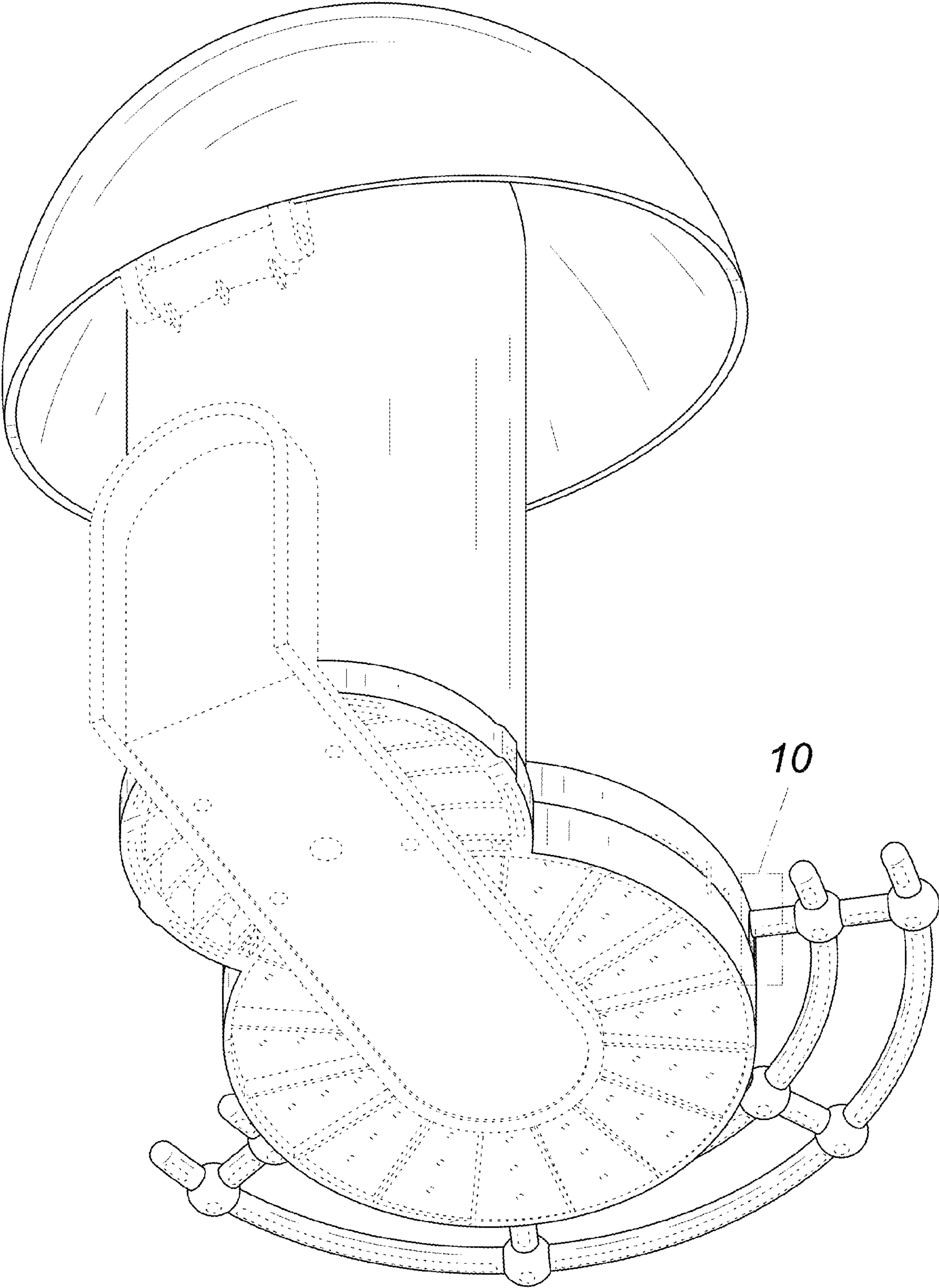


FIG.2

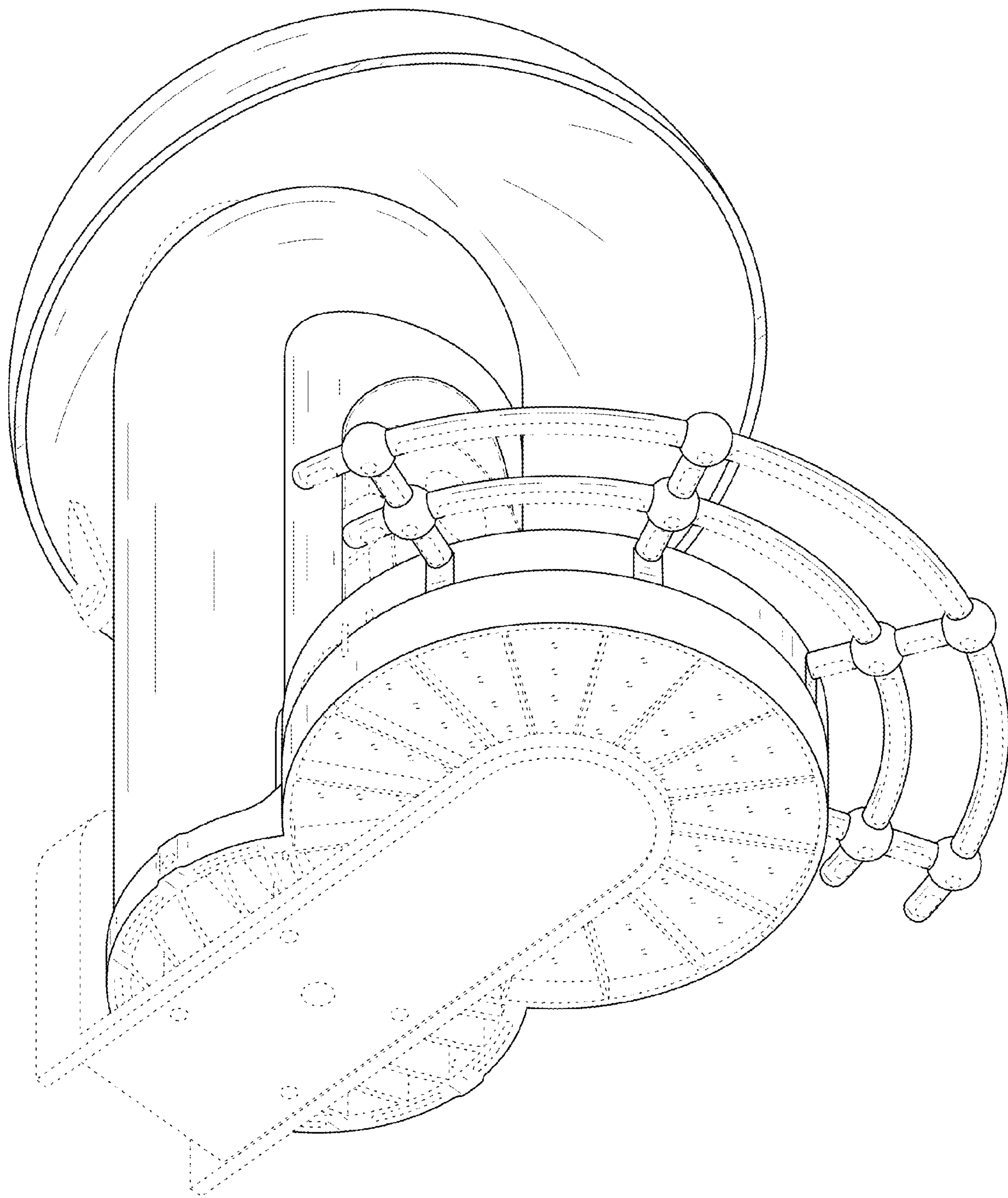


FIG. 3

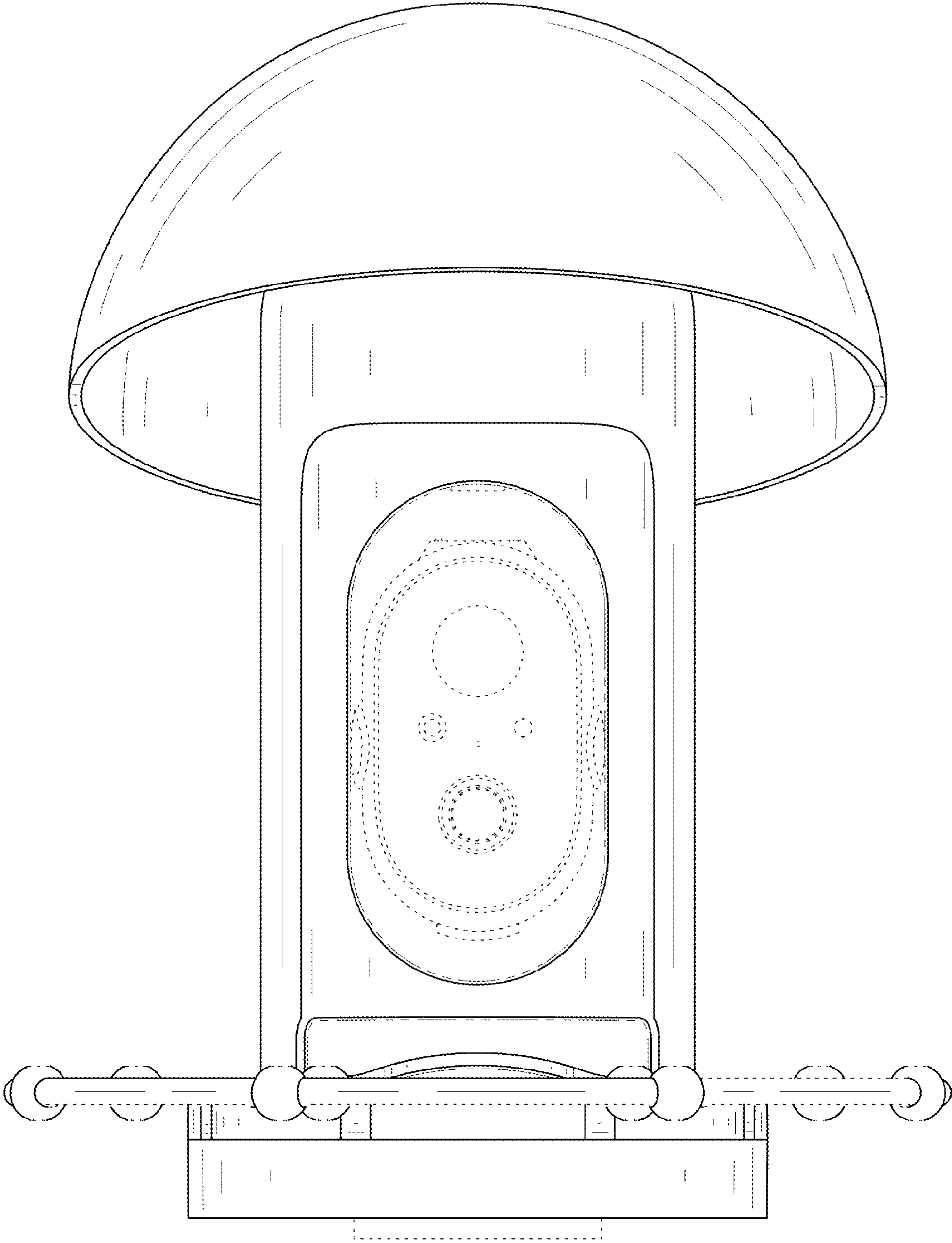


FIG. 4

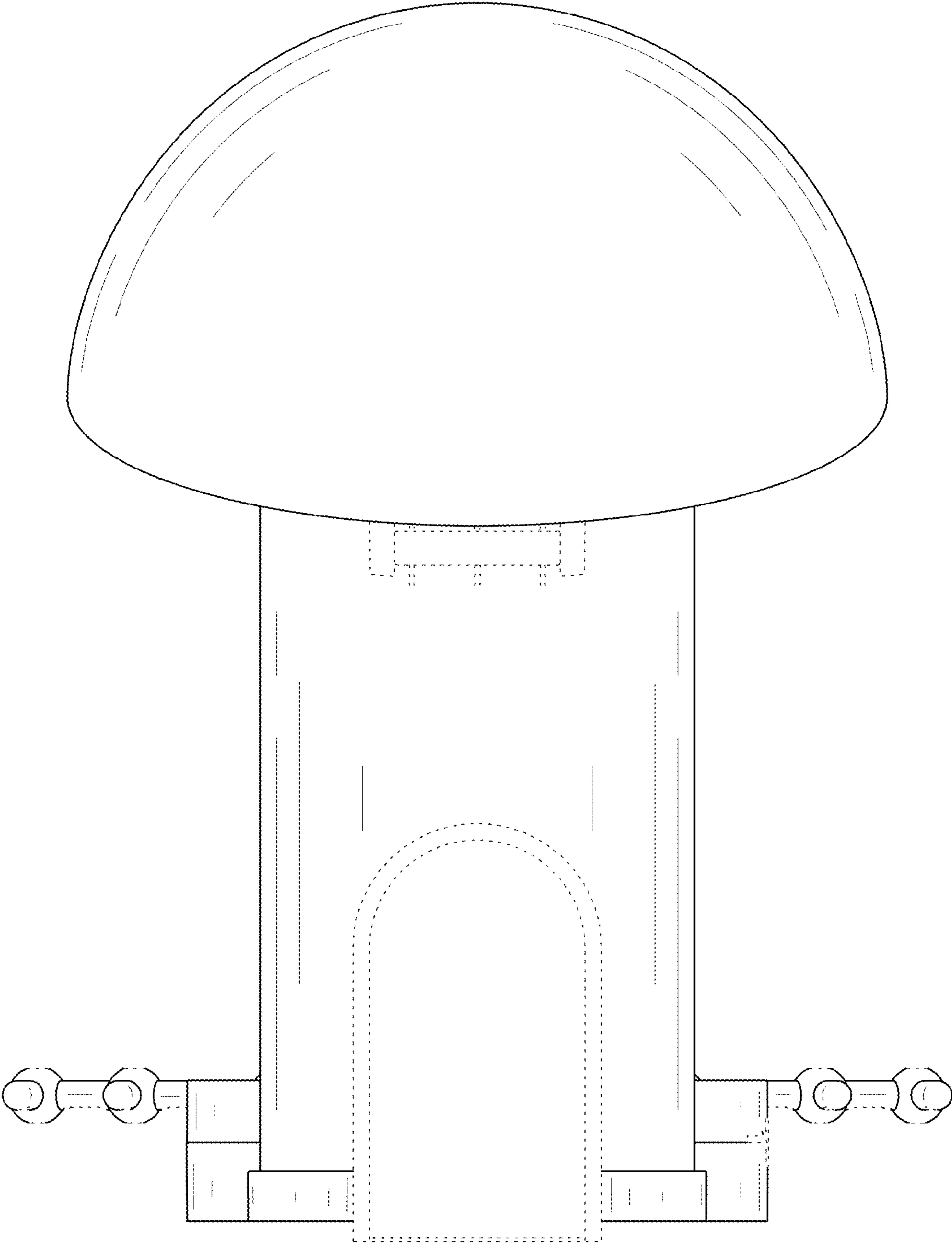


FIG.5

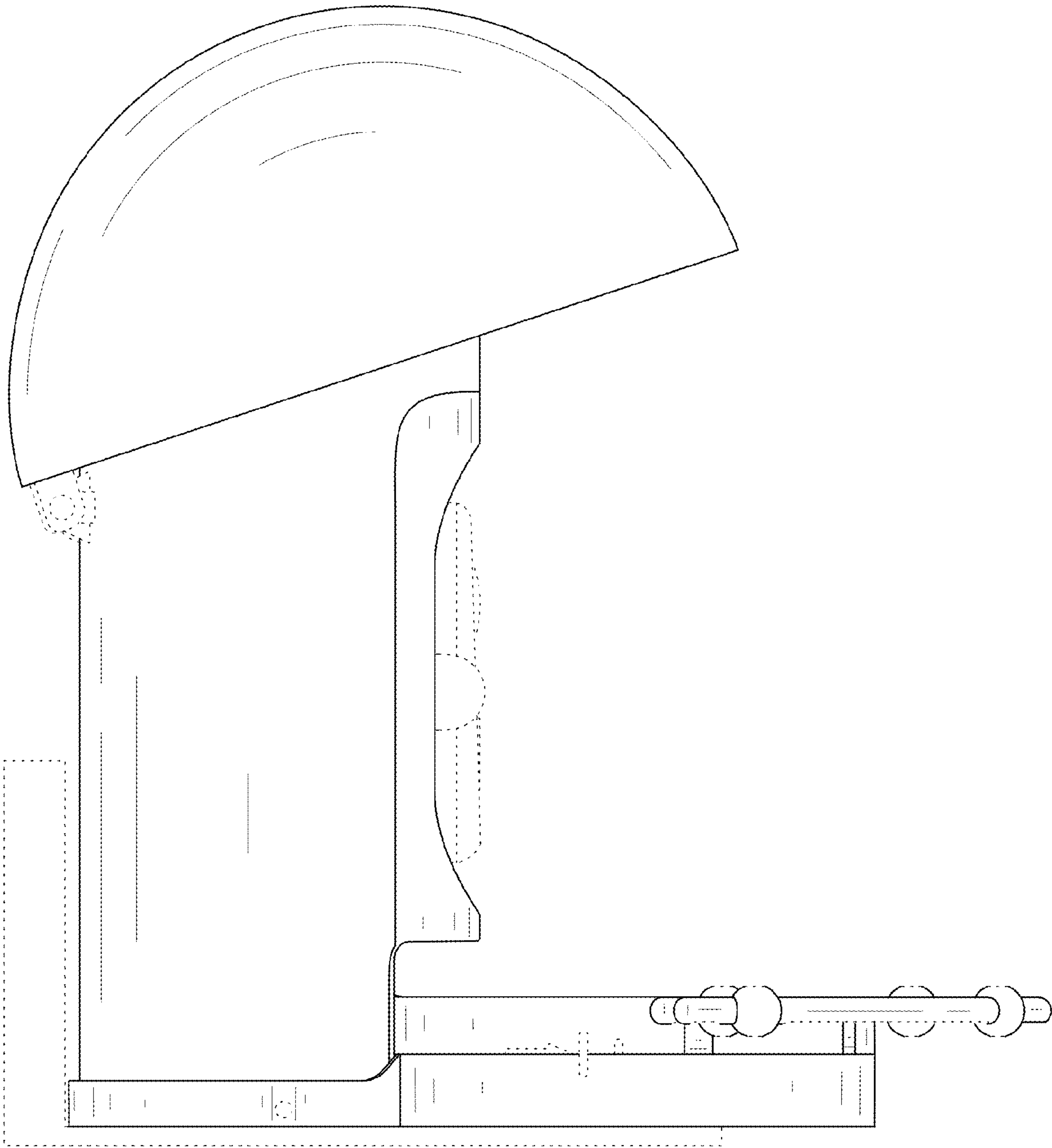


FIG.6

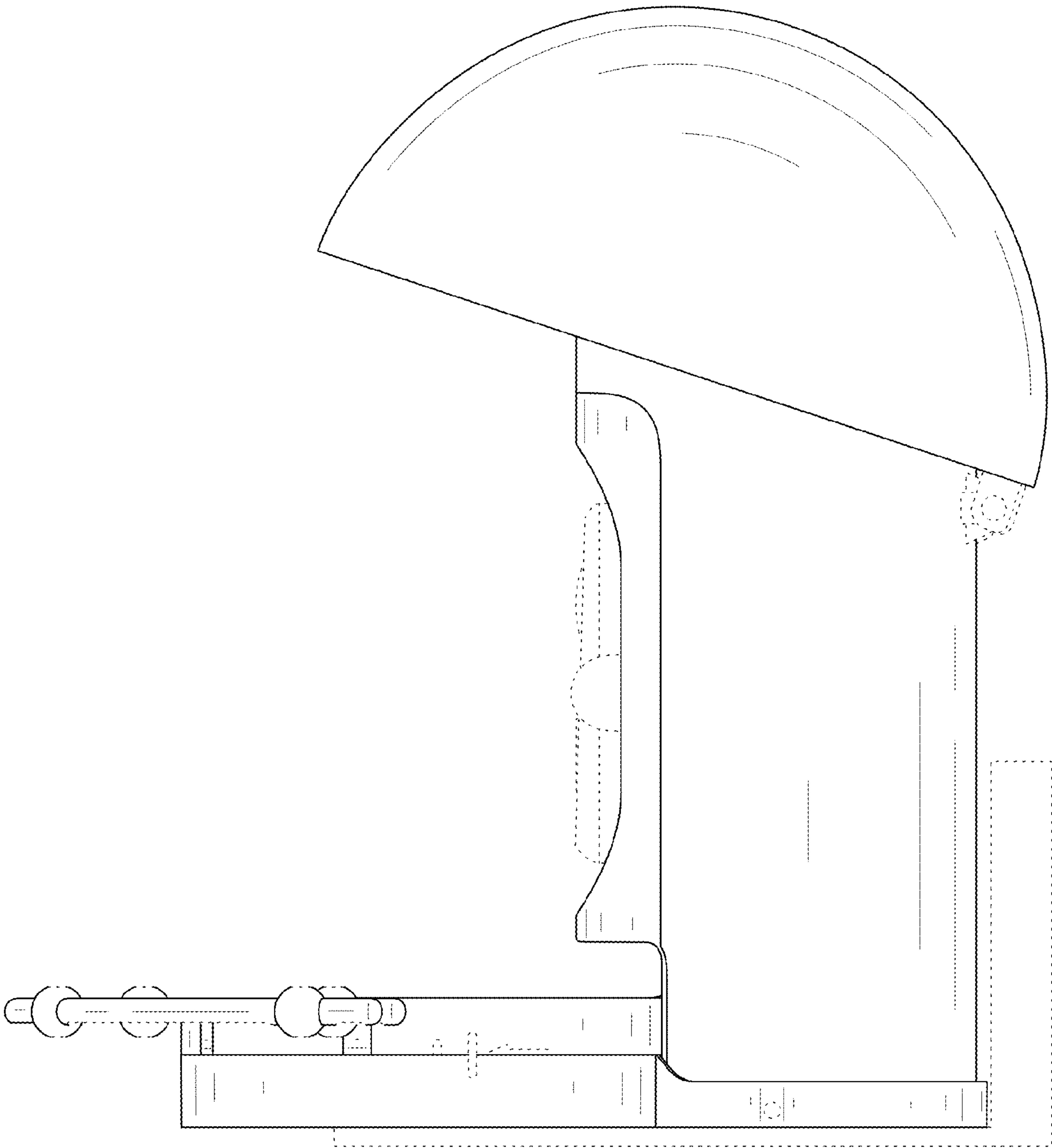


FIG.7

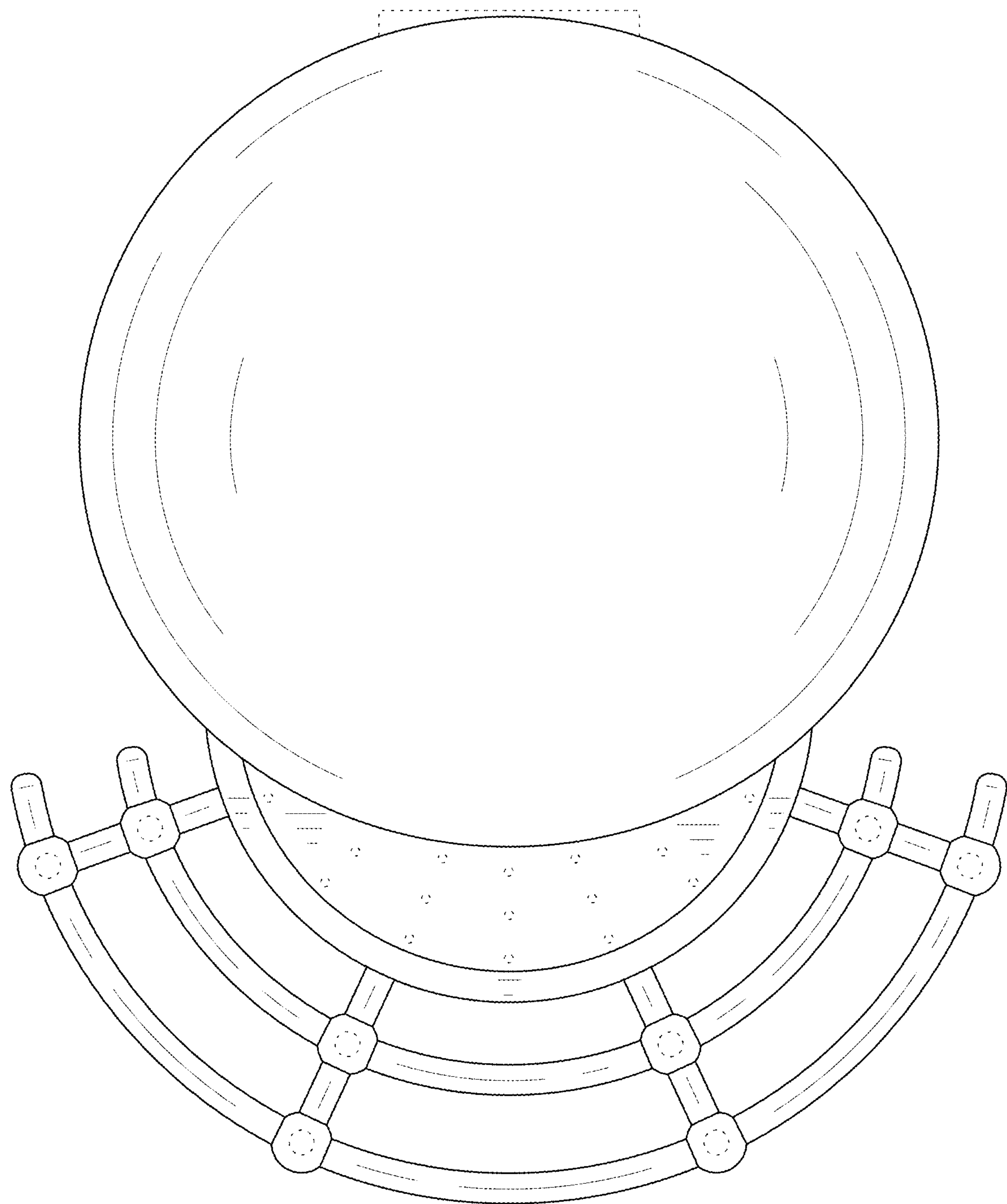


FIG. 8

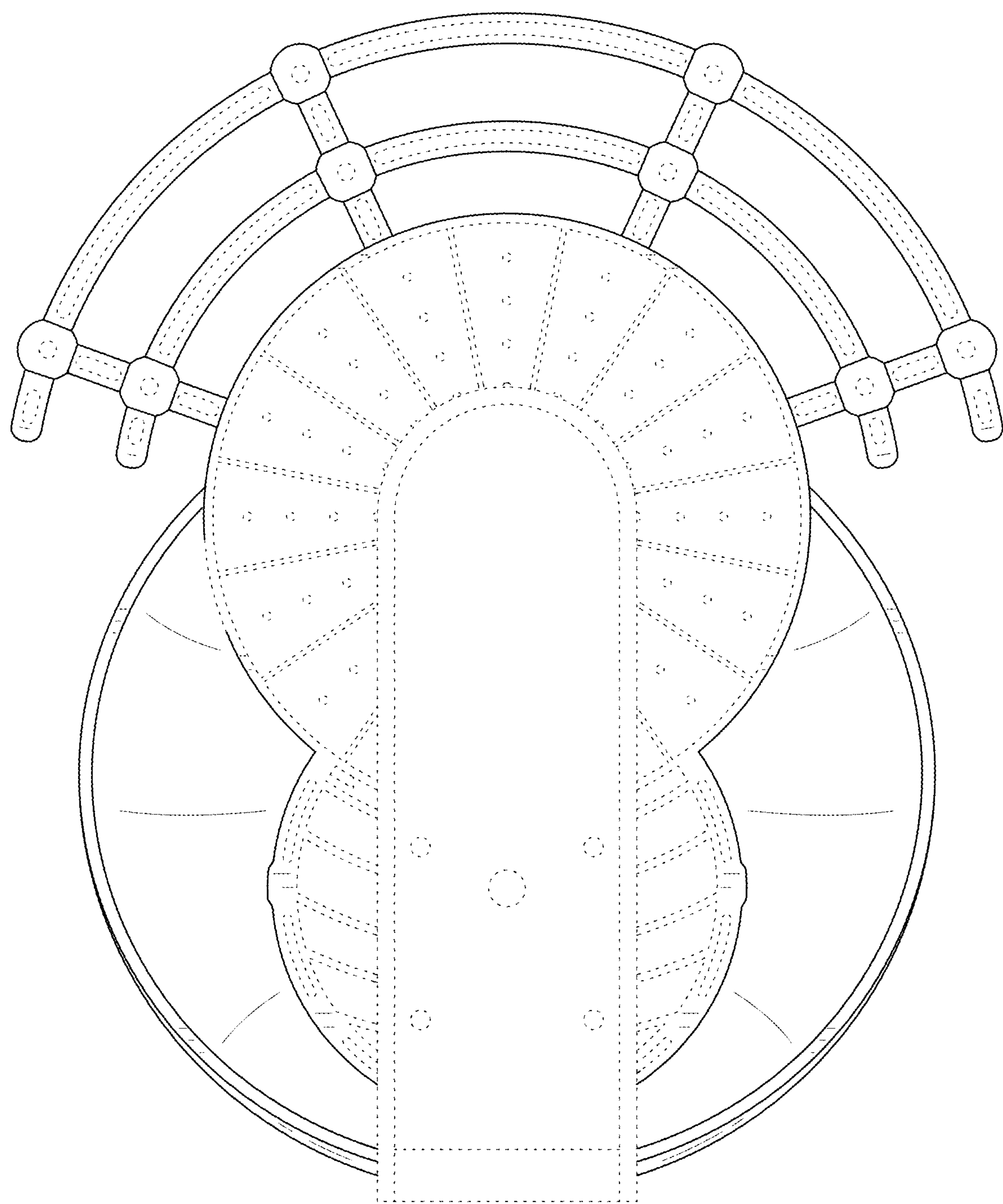


FIG.9

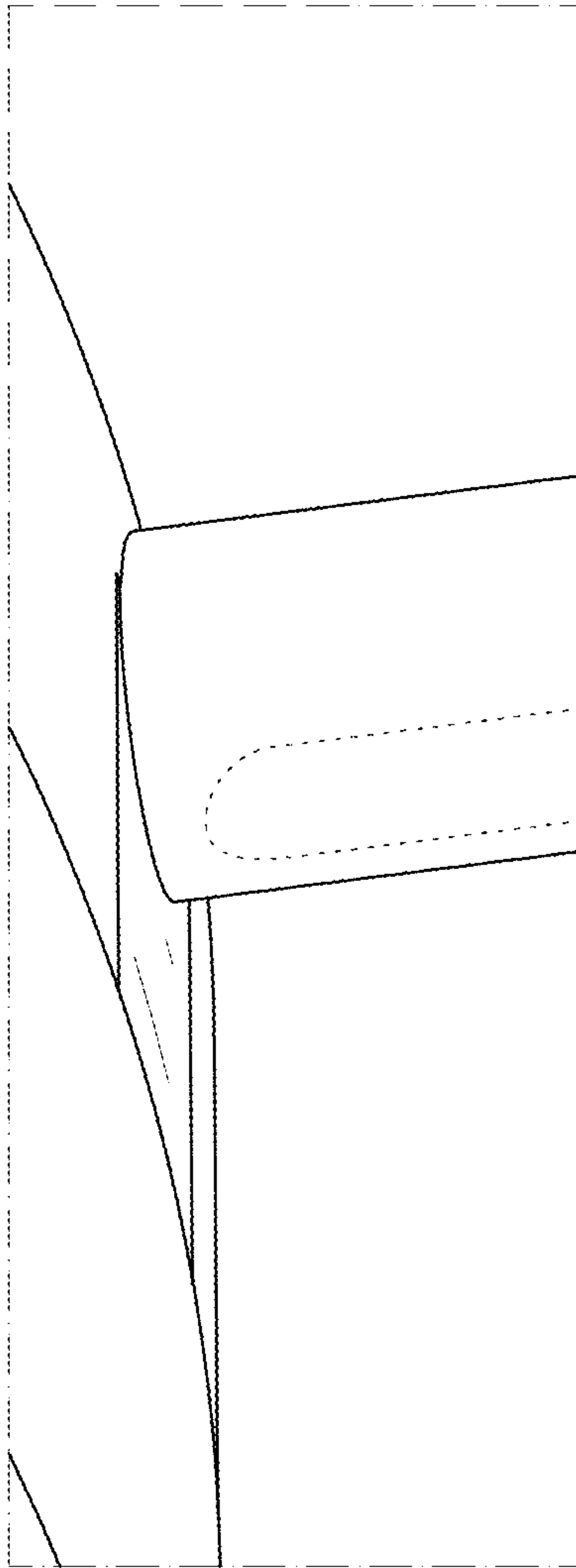


FIG. 10

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : D1,071,394 S
APPLICATION NO. : 29/957491
DATED : April 15, 2025
INVENTOR(S) : Wei Chen, Yuewen Xu and Liming Wang

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

Item (73), add:
Assignee
Hangzhou Lijian Digital Technology Co., Ltd., Zhejiang (CN)

Signed and Sealed this
Fifth Day of August, 2025



Coke Morgan Stewart
Acting Director of the United States Patent and Trademark Office