

US0D1005936S

(12) **United States Design Patent** (10) **Patent No.:** **US D1,005,936 S**
Fang (45) **Date of Patent:** **** Nov. 28, 2023**

(54) **CHARGER**

(71) Applicant: **Xubin Fang**, Puning (CN)
(72) Inventor: **Xubin Fang**, Puning (CN)
(**) Term: **15 Years**
(21) Appl. No.: **29/831,750**
(22) Filed: **Mar. 23, 2022**
(51) **LOC (14) Cl.** **13-02**
(52) **U.S. Cl.**
USPC **D13/107**
(58) **Field of Classification Search**
USPC D13/103, 107, 108, 118, 119, 184, 199
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,173,733 A * 11/1979 Sugalski H02J 7/00047
340/815.4
4,608,528 A * 8/1986 Stillwell H02J 7/0045
429/100

(Continued)

FOREIGN PATENT DOCUMENTS

CN 303319173 * 8/2015
CN 303520266 * 12/2015

(Continued)

OTHER PUBLICATIONS

Super Vooc One Plus Warp Charger, posted date Nov. 3, 2021
[online], retrieved Aug. 16, 2023, [retrieved from internet] <https://www.amazon.com/dp/B09D9VC3NL/> (Year: 2021).*

Primary Examiner — Leanne Was-Englehart

Assistant Examiner — Devin Kelly

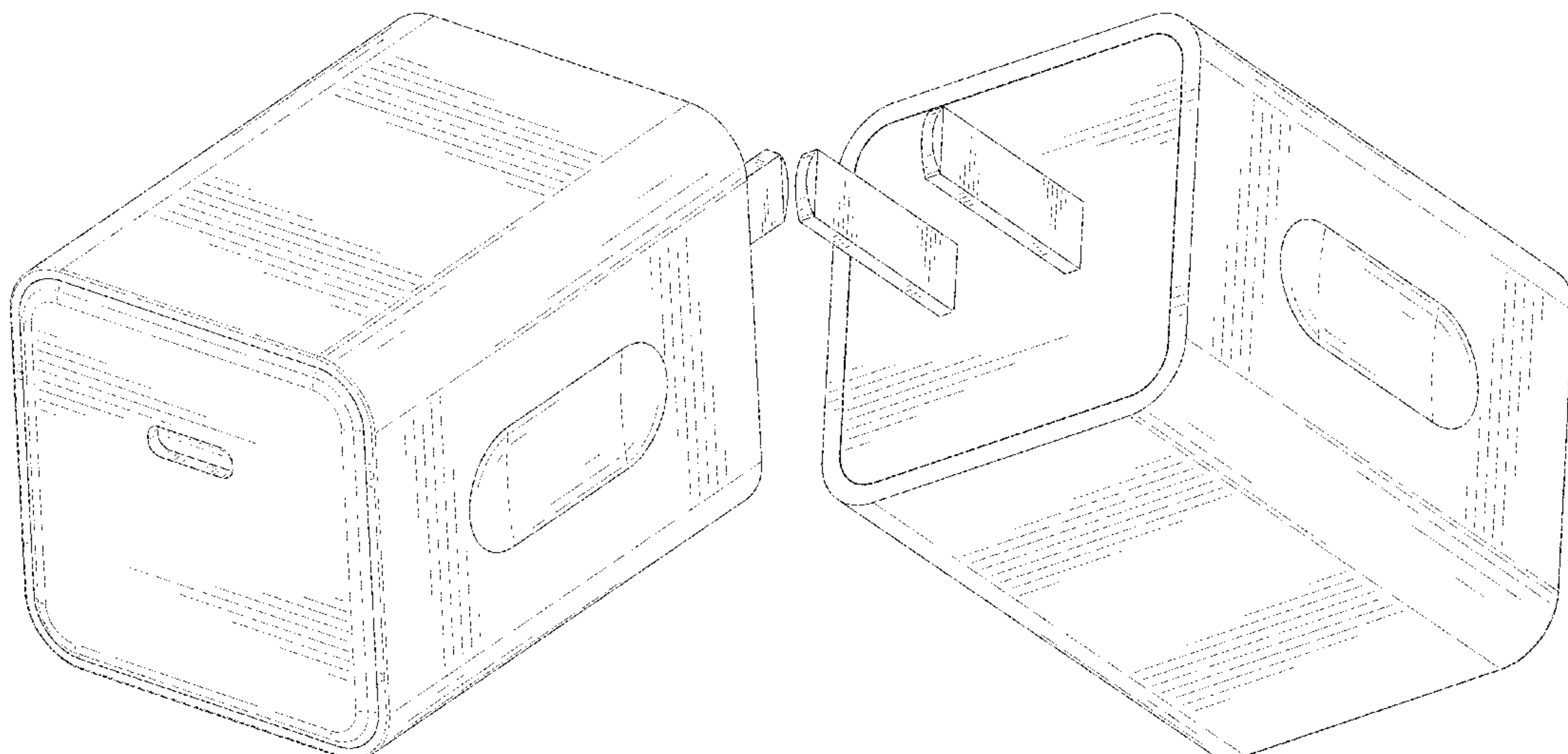
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of a first embodiment of a charger showing my new design;
FIG. 2 is another perspective view thereof;
FIG. 3 is a front elevational view thereof;
FIG. 4 is a rear elevational view thereof;
FIG. 5 is a left side elevational view thereof;
FIG. 6 is a right side elevational view thereof;
FIG. 7 is a top plan view thereof;
FIG. 8 is a bottom plan view thereof;
FIG. 9 is a perspective view of a second embodiment of the charger;
FIG. 10 is another perspective view thereof;
FIG. 11 is a front elevational view thereof;
FIG. 12 is a rear elevational view thereof;
FIG. 13 is a left side elevational view thereof;
FIG. 14 is a right side elevational view thereof;
FIG. 15 is a top plan view thereof;
FIG. 16 is a bottom plan view thereof;
FIG. 17 is a perspective view of a third embodiment of the charger;
FIG. 18 is another perspective view thereof;
FIG. 19 is a front elevational view thereof;
FIG. 20 is a rear elevational view thereof;
FIG. 21 is a left side elevational view thereof;
FIG. 22 is a right side elevational view thereof;
FIG. 23 is a top plan view thereof;
FIG. 24 is a bottom plan view thereof;
FIG. 25 is a perspective view of a fourth embodiment of the charger;
FIG. 26 is another perspective view thereof;
FIG. 27 is a front elevational view thereof;
FIG. 28 is a rear elevational view thereof;
FIG. 29 is a left side elevational view thereof;
FIG. 30 is a right side elevational view thereof;
FIG. 31 is a top plan view thereof; and,
FIG. 32 is a bottom plan view thereof.
The broken lines in the drawings depict portions of the charger that form no part of the claimed design.

1 Claim, 32 Drawing Sheets



(58) **Field of Classification Search**
CPC H02J 7/00; H02J 7/0045; H01F 41/00;
Y02E 60/10
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D655,243	S	*	3/2012	Au	.....	D13/108
D693,764	S	*	11/2013	Hok Man	.....	D13/108
D735,130	S	*	7/2015	Huang	.....	D13/108
9,257,775	B2	*	2/2016	Sulem	.....	H02J 7/0042
D778,824	S	*	2/2017	Broadhurst, IV	.....	D13/107
D796,432	S	*	9/2017	Liu	.....	D13/107
10,250,050	B1	*	4/2019	Sumida	.....	H02J 7/0044
D879,711	S	*	3/2020	Ruiwu	.....	D13/108
D879,714	S	*	3/2020	Zhang	.....	D13/110
D883,198	S	*	5/2020	Zhang	.....	D13/107
D892,737	S	*	8/2020	Yuan	.....	D13/110

D900,738	S	*	11/2020	Liu	.....	D13/108
D901,383	S	*	11/2020	Pang	.....	D13/110
D937,208	S	*	11/2021	Liu	.....	D13/108
D938,909	S	*	12/2021	Yuan	.....	D13/108
D939,440	S	*	12/2021	Guo	.....	D13/108
D941,242	S	*	1/2022	Guo	.....	D13/108
D942,383	S	*	2/2022	Wu	.....	D13/108
D961,504	S	*	8/2022	Yamamoto	.....	D13/107
D962,857	S	*	9/2022	Wu	.....	D13/107
D970,440	S	*	11/2022	Qiu	.....	D13/108
D977,418	S	*	2/2023	Xie	.....	D13/107
2021/0265849	A1	*	8/2021	Liao	.....	H02J 7/02
2021/0305827	A1	*	9/2021	Guo	.....	H02J 7/0047

FOREIGN PATENT DOCUMENTS

CN	307348219	*	5/2022
EM	001049886-0003	*	3/2009
GB	6275499	*	4/2023

* cited by examiner

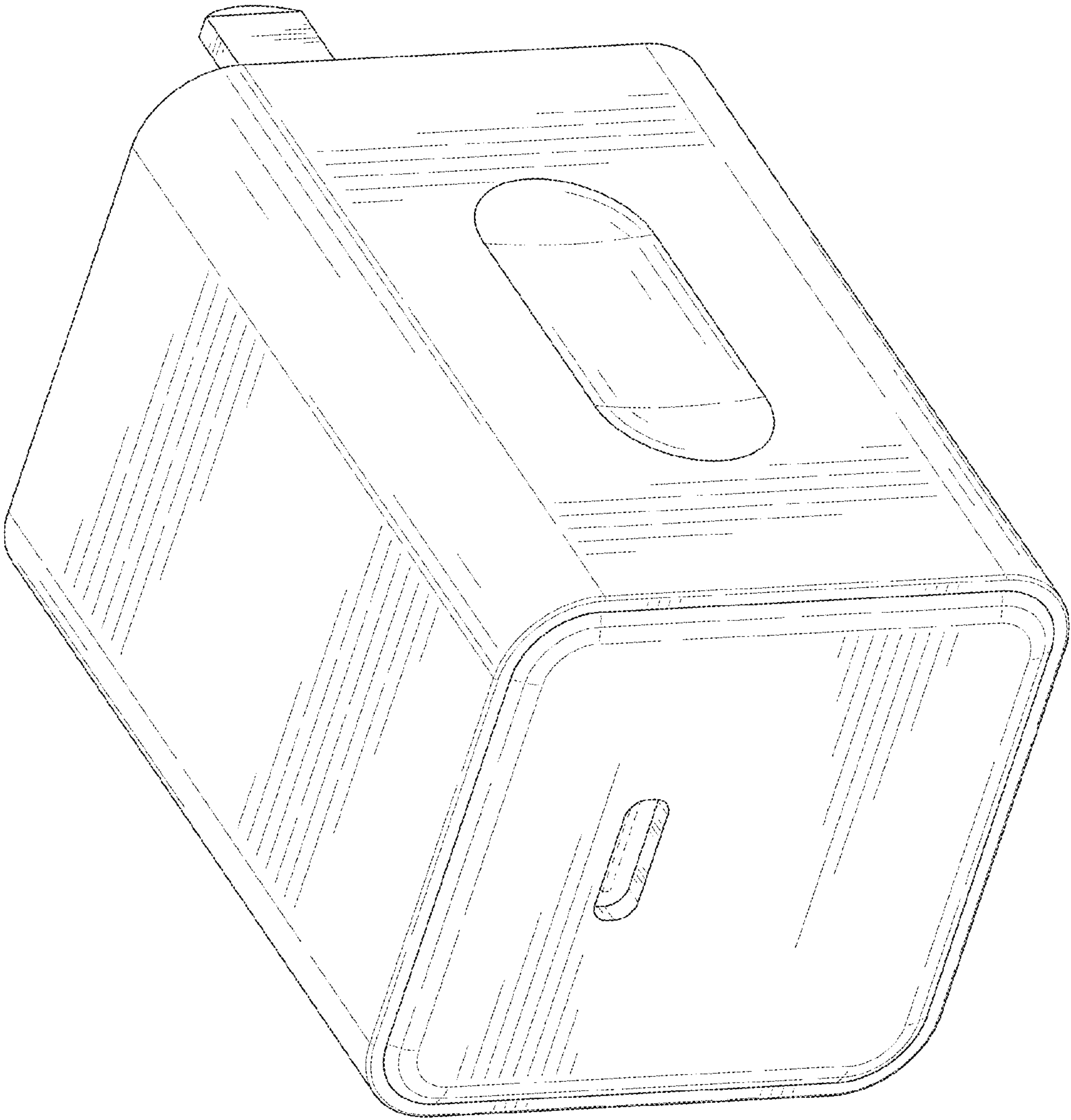


FIG. 1

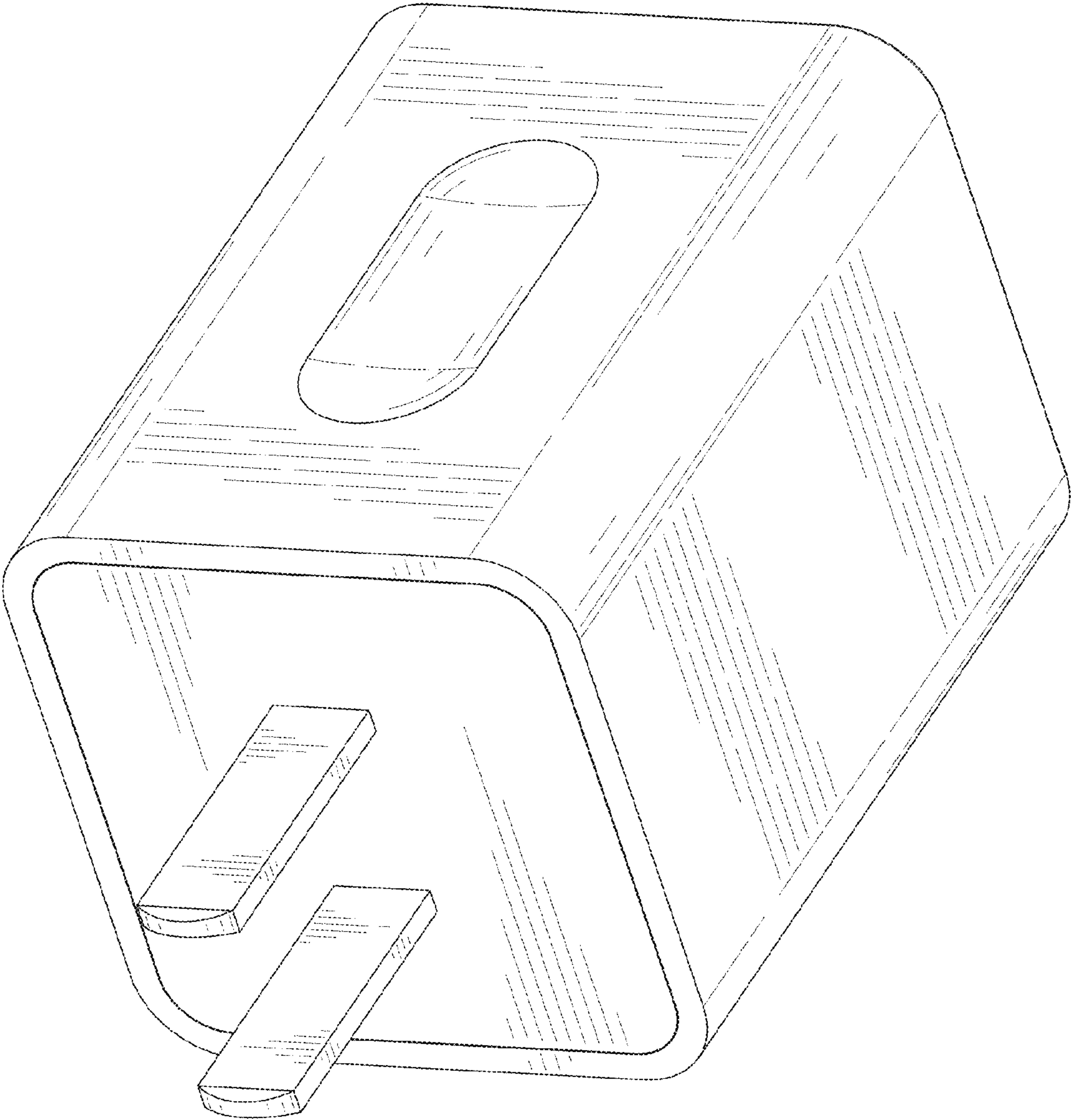


FIG. 2

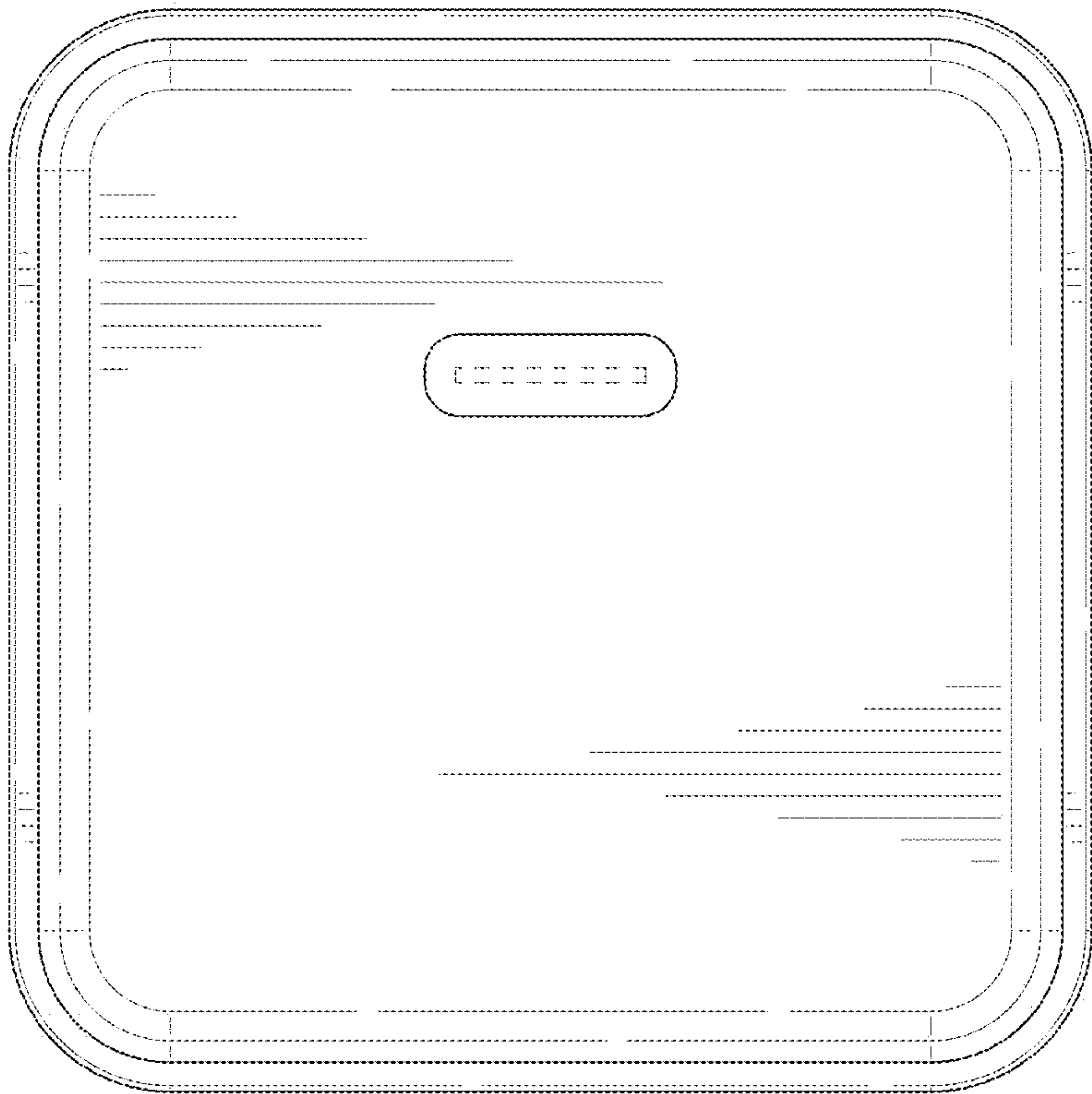


FIG. 3

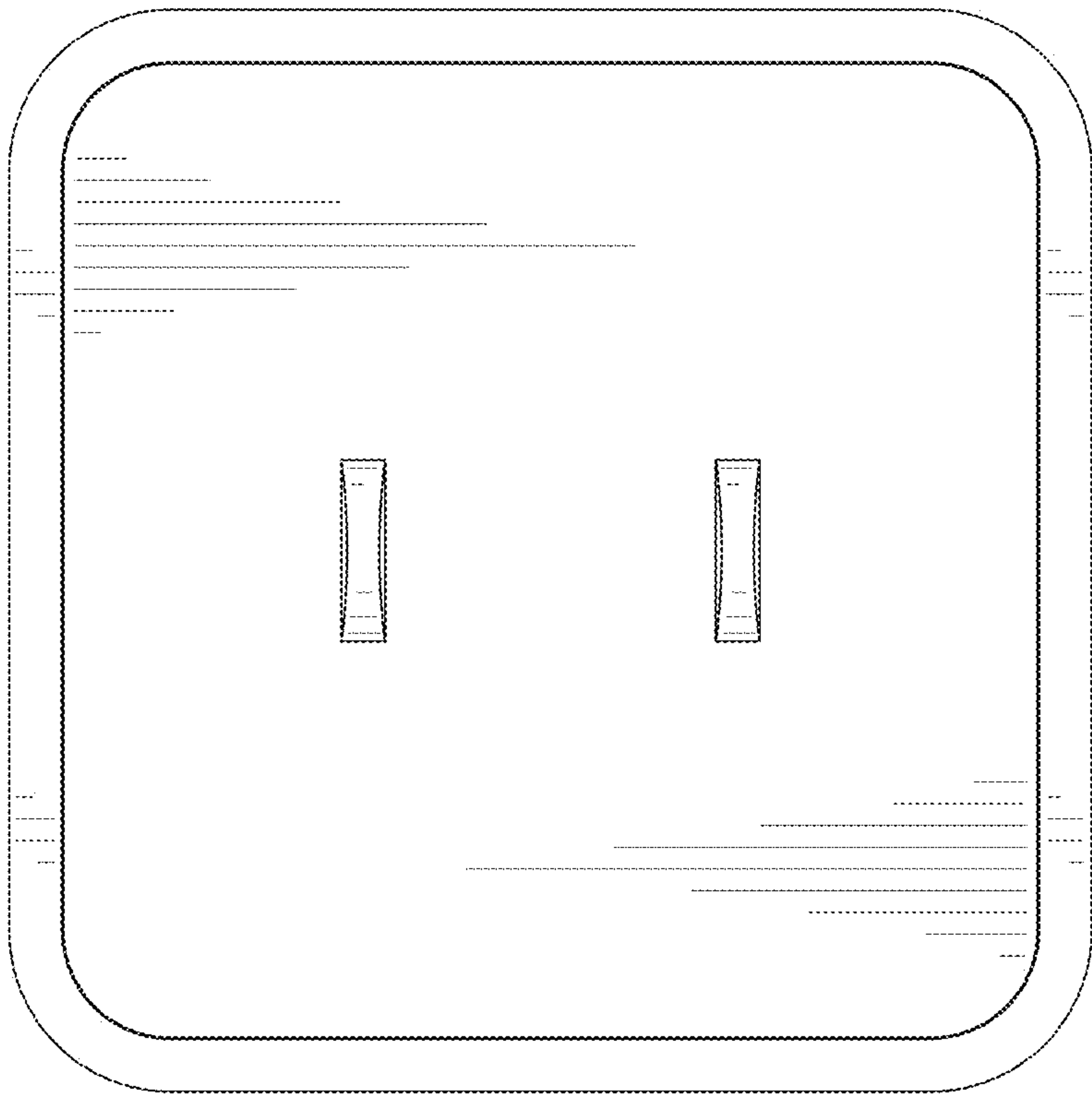


FIG. 4

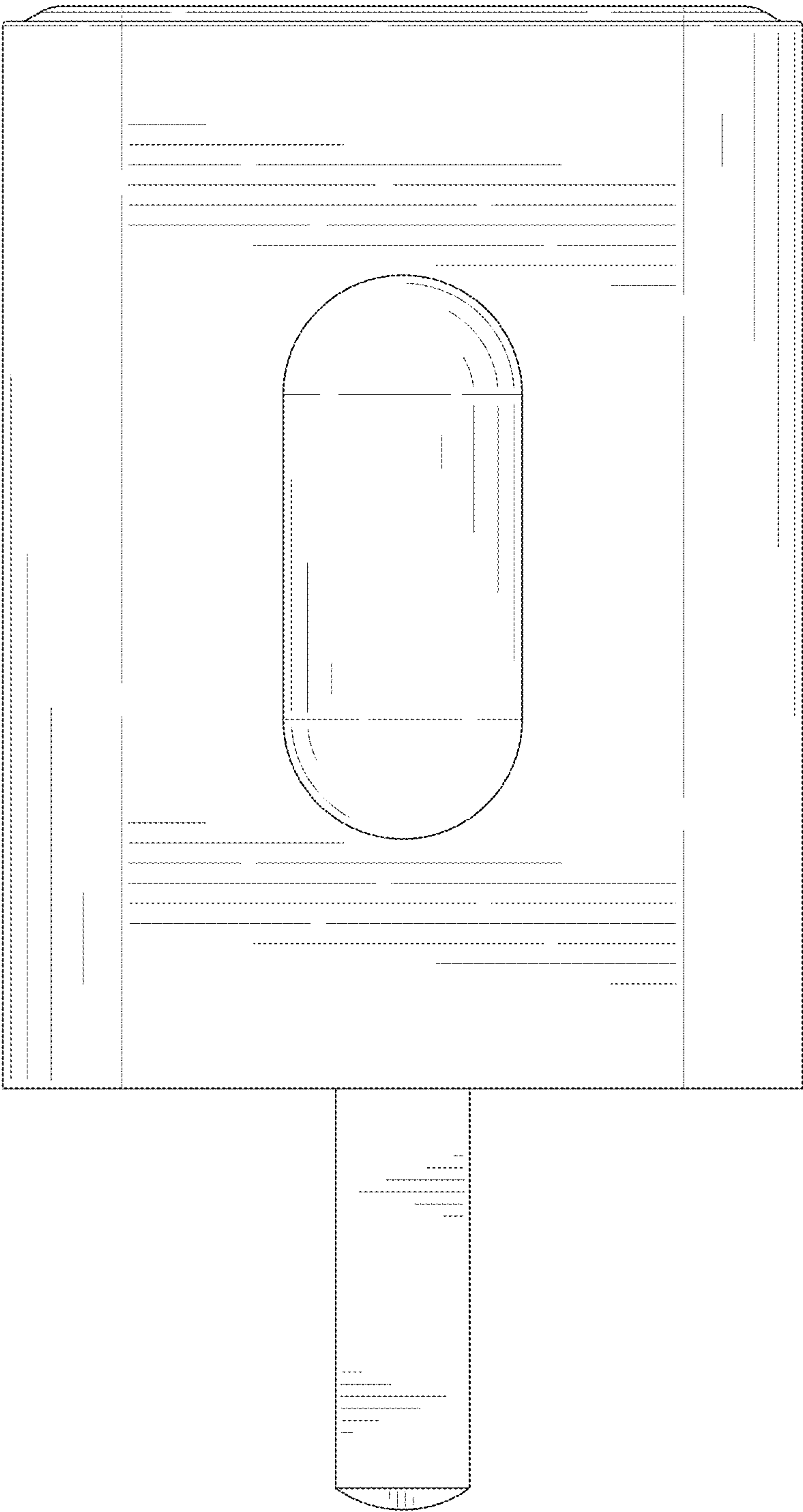


FIG. 5

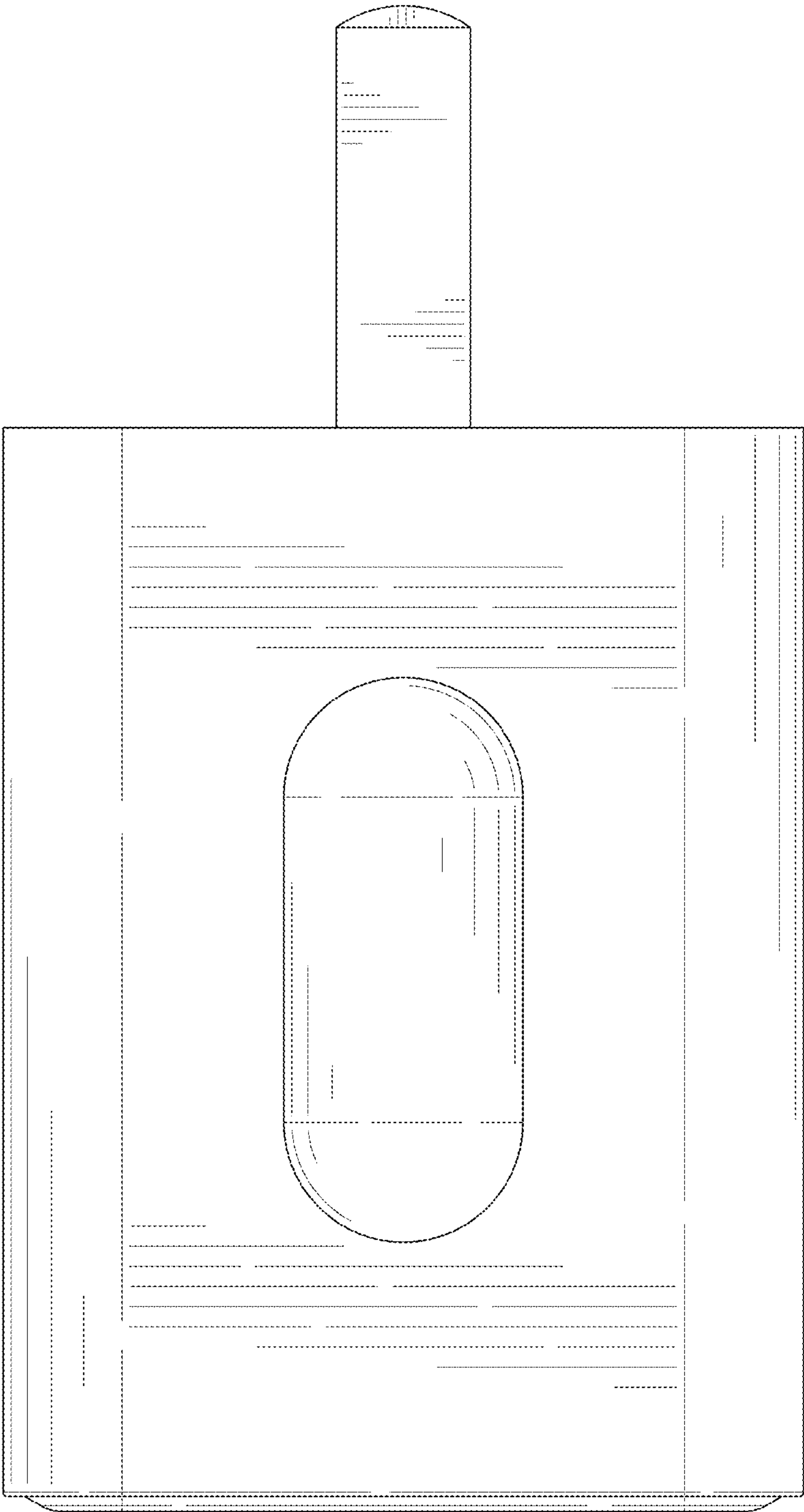


FIG. 6

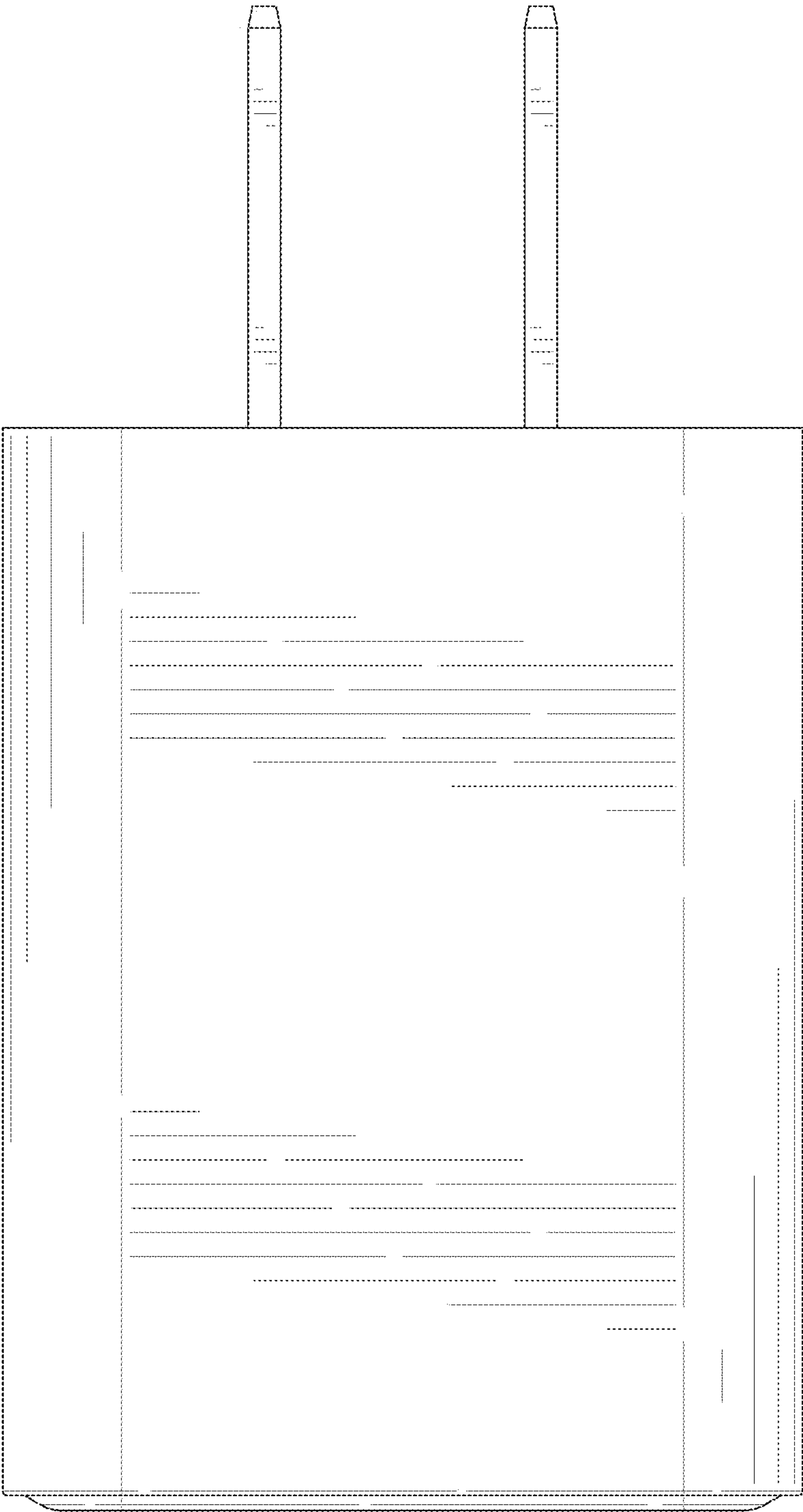


FIG. 7

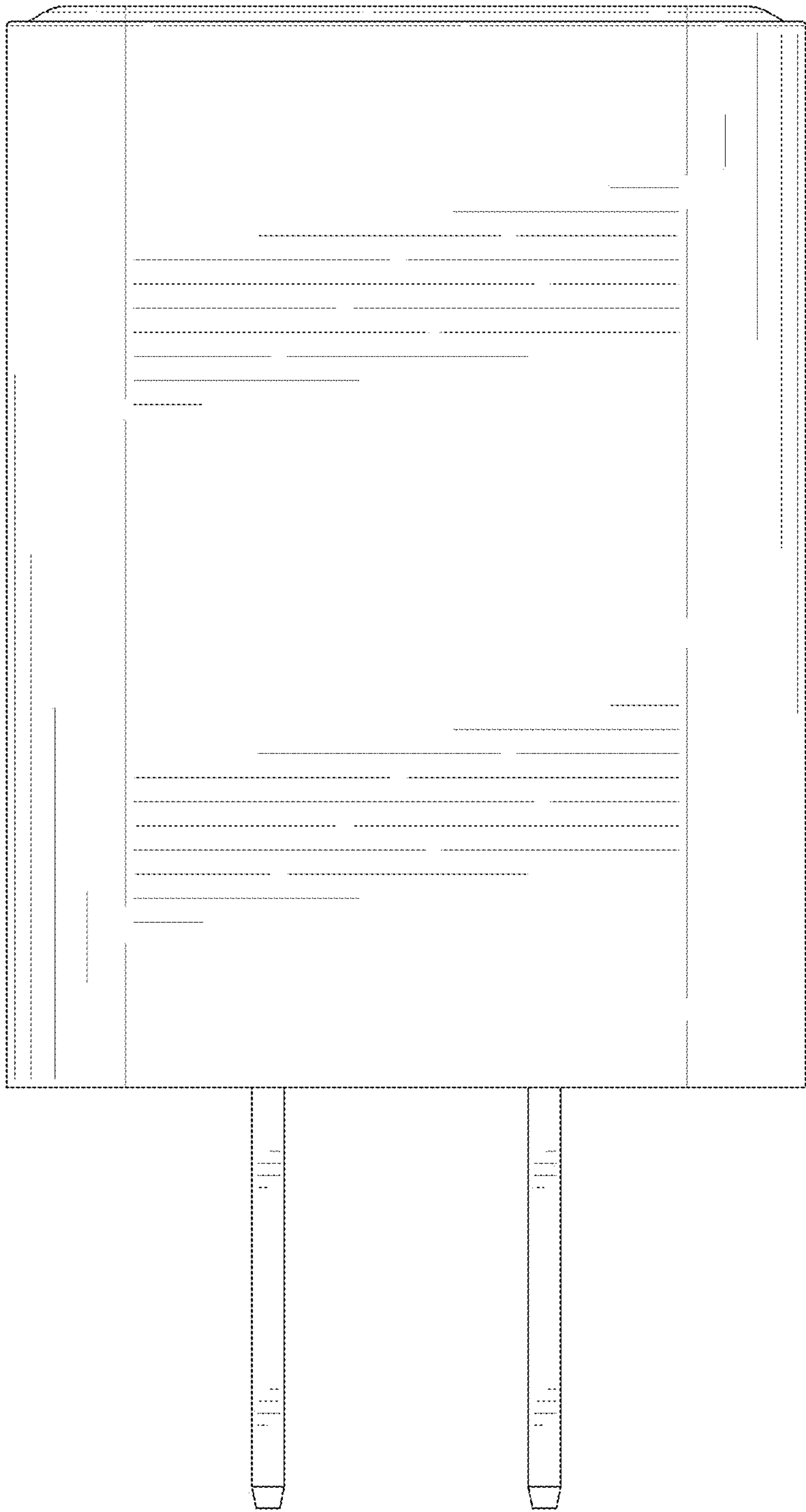


FIG. 8

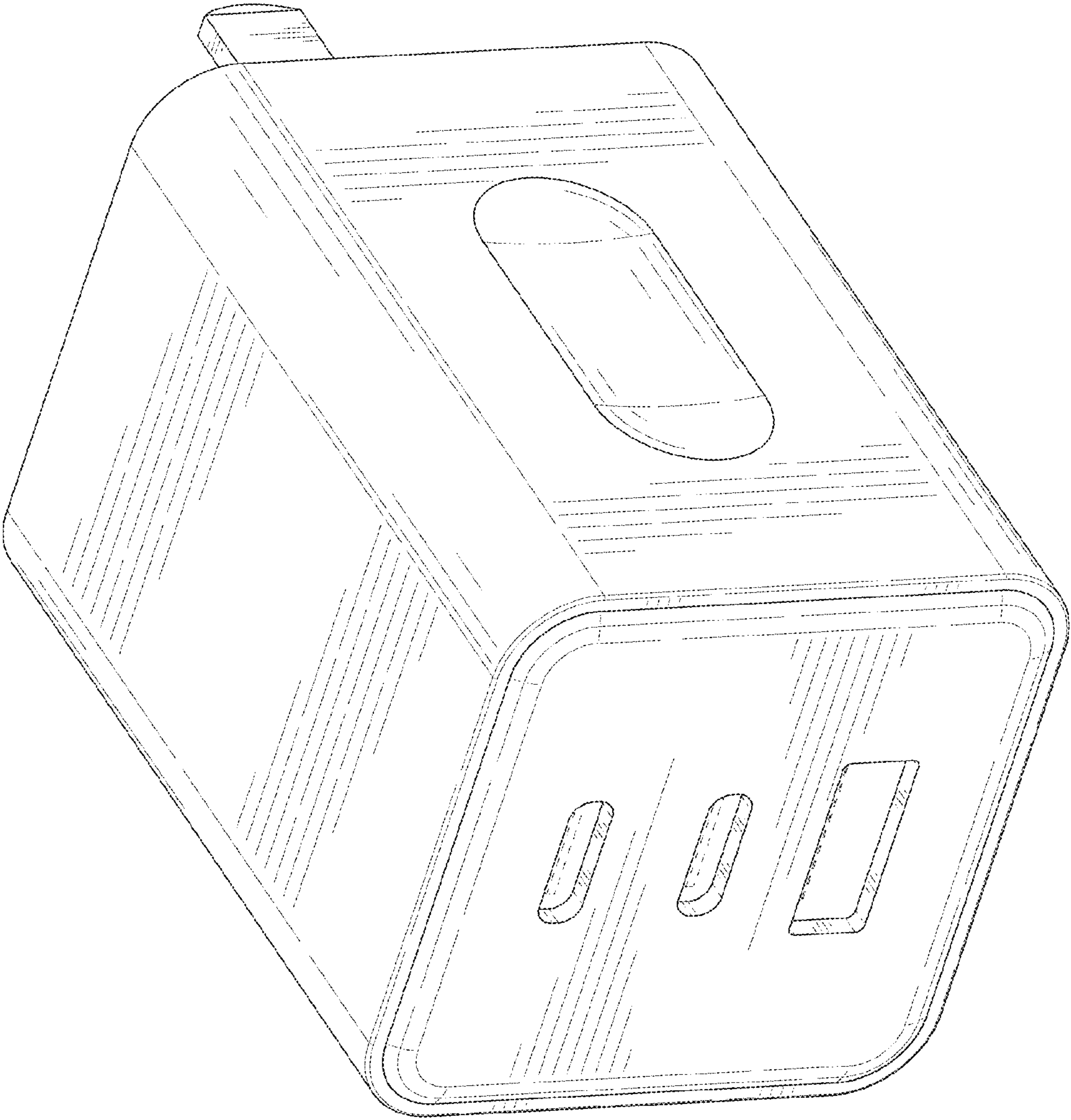


FIG. 9

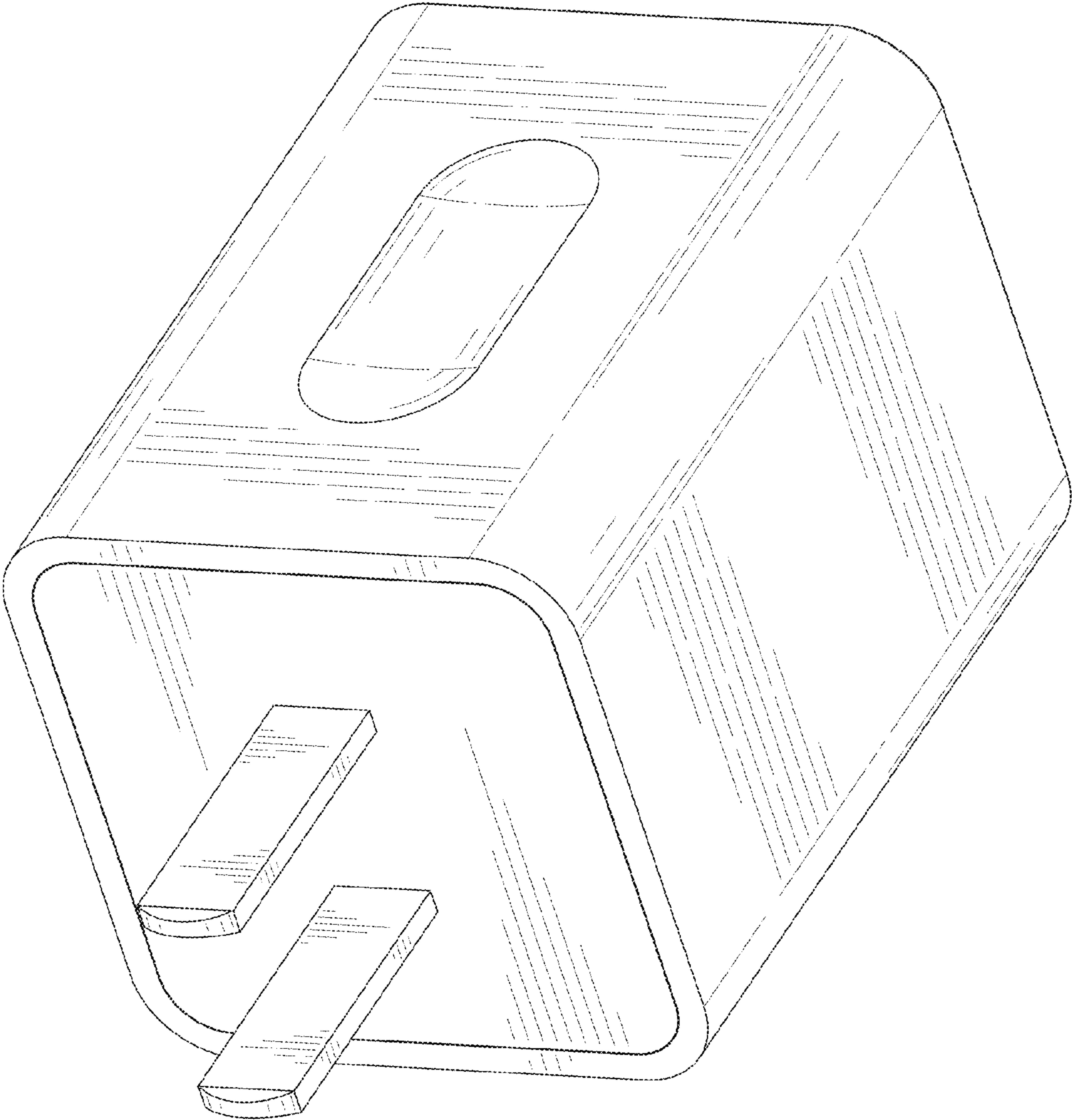


FIG. 10

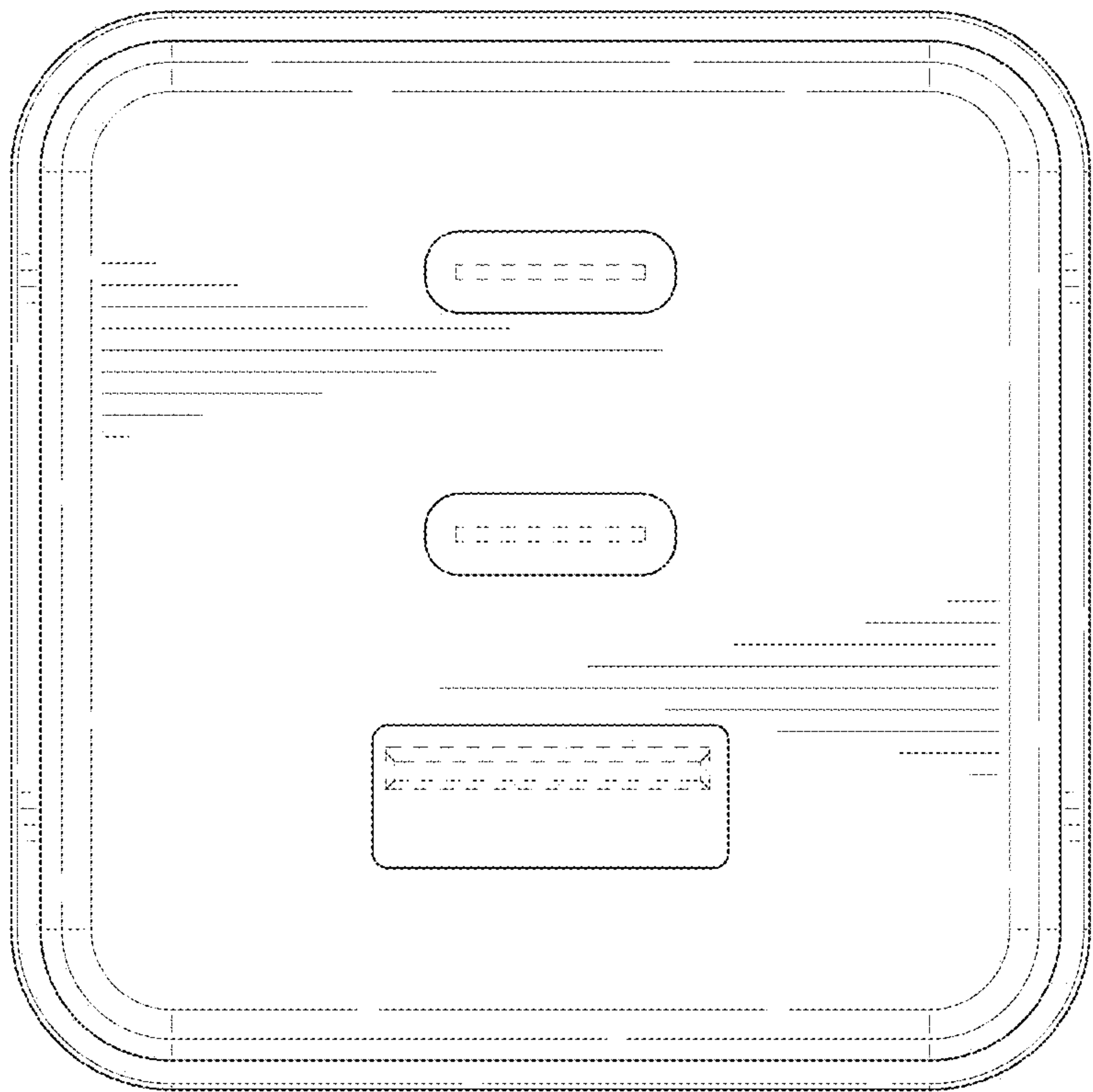


FIG. 11

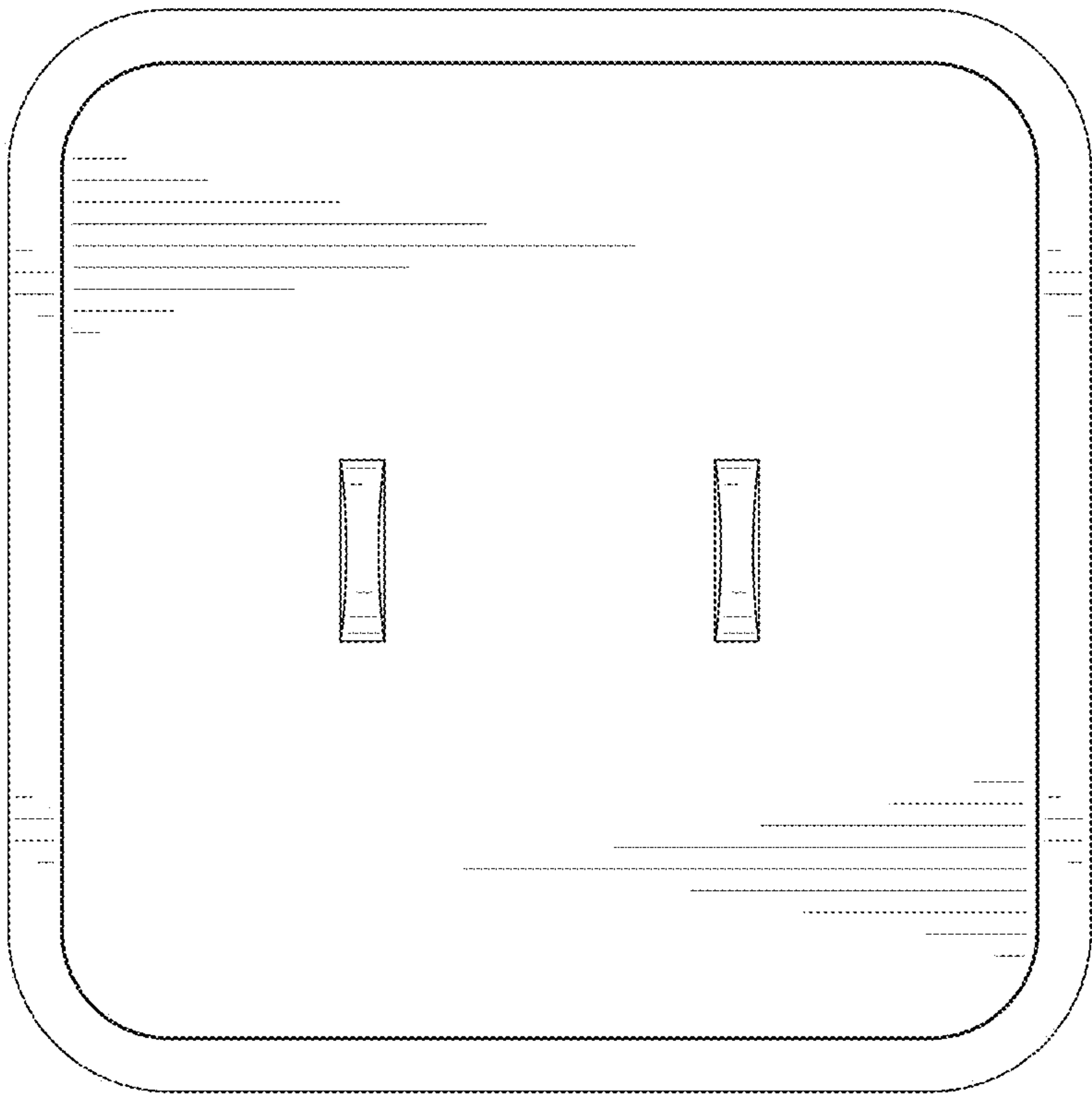


FIG. 12

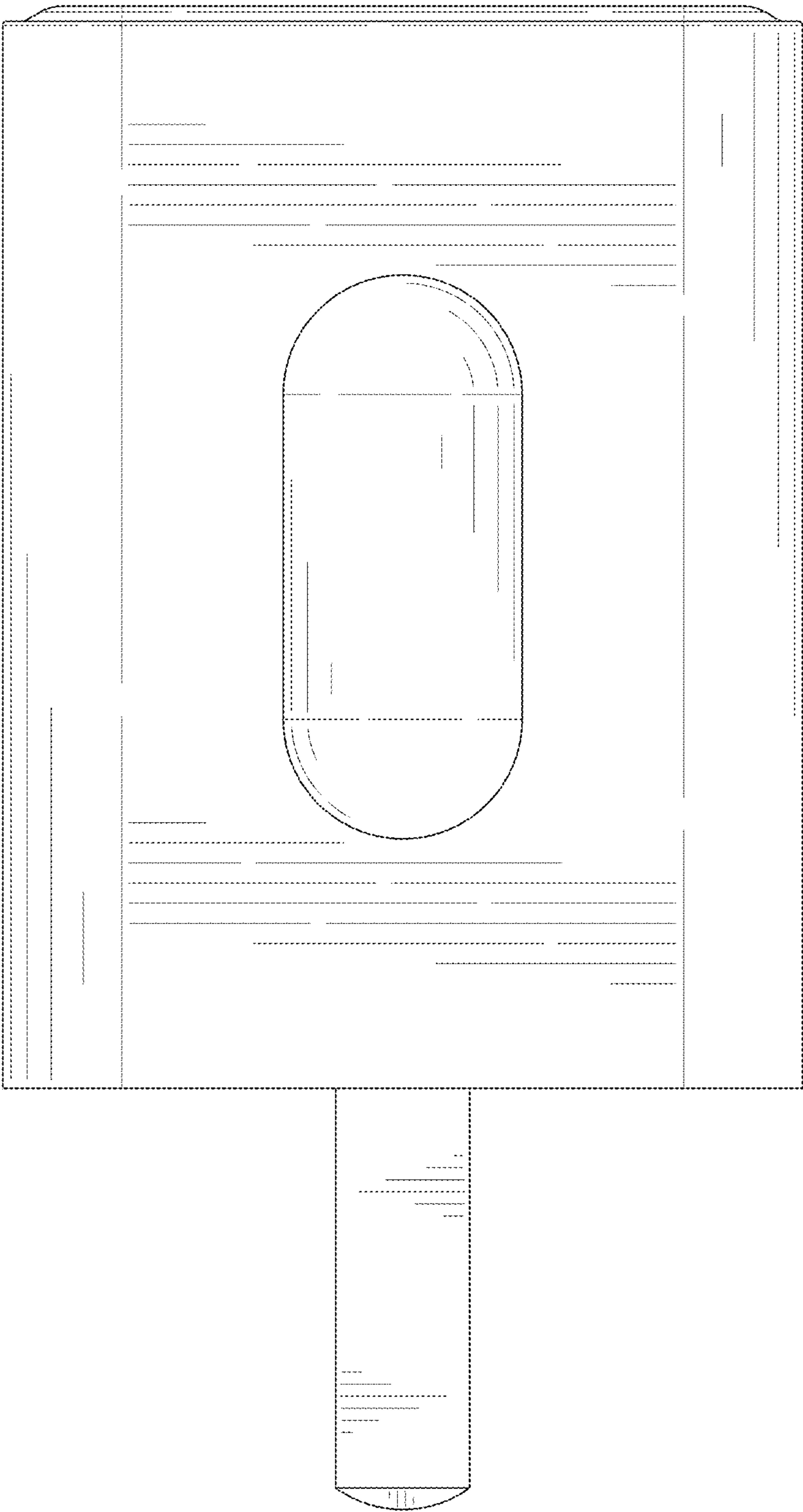


FIG. 13

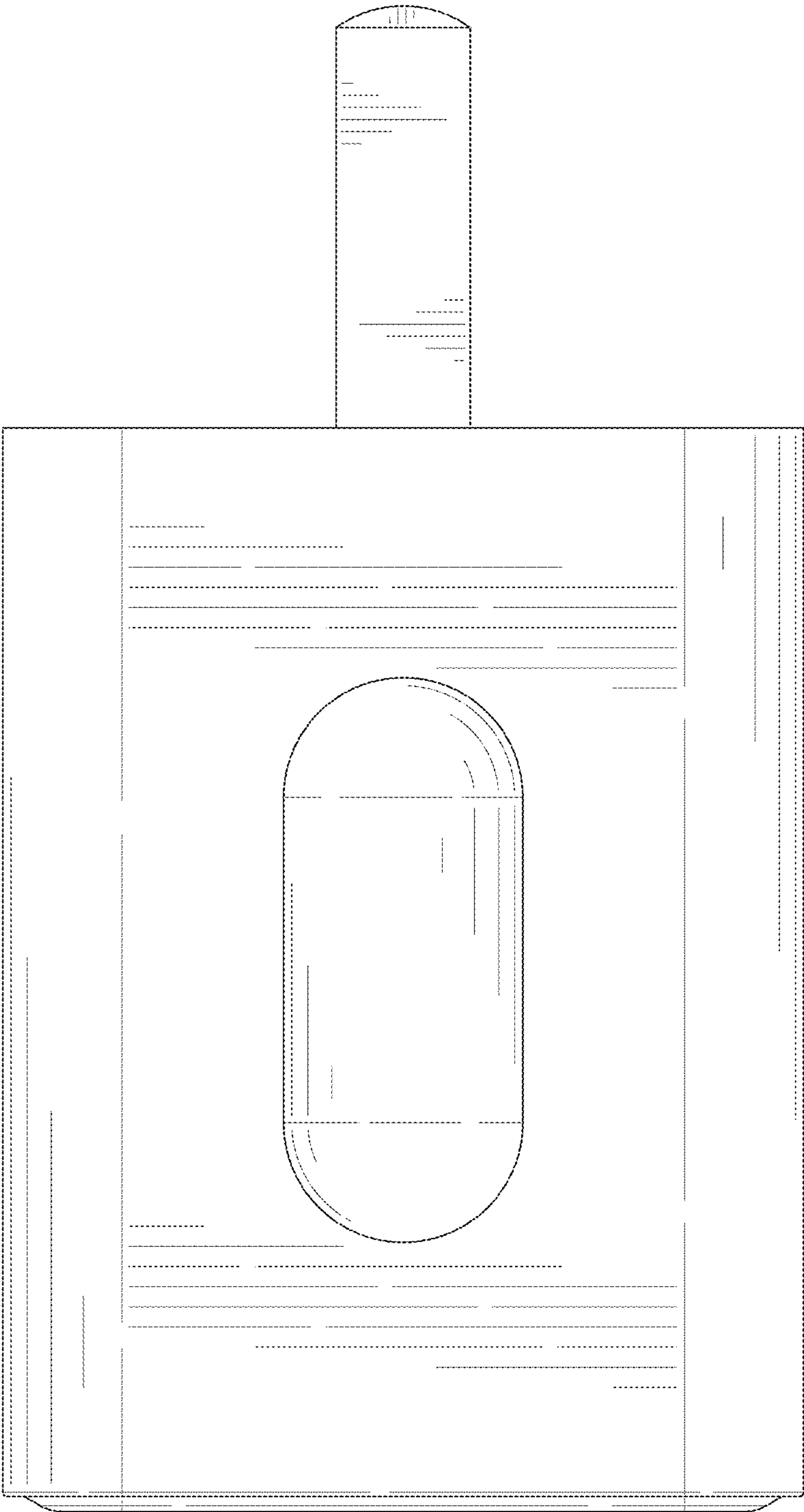


FIG. 14

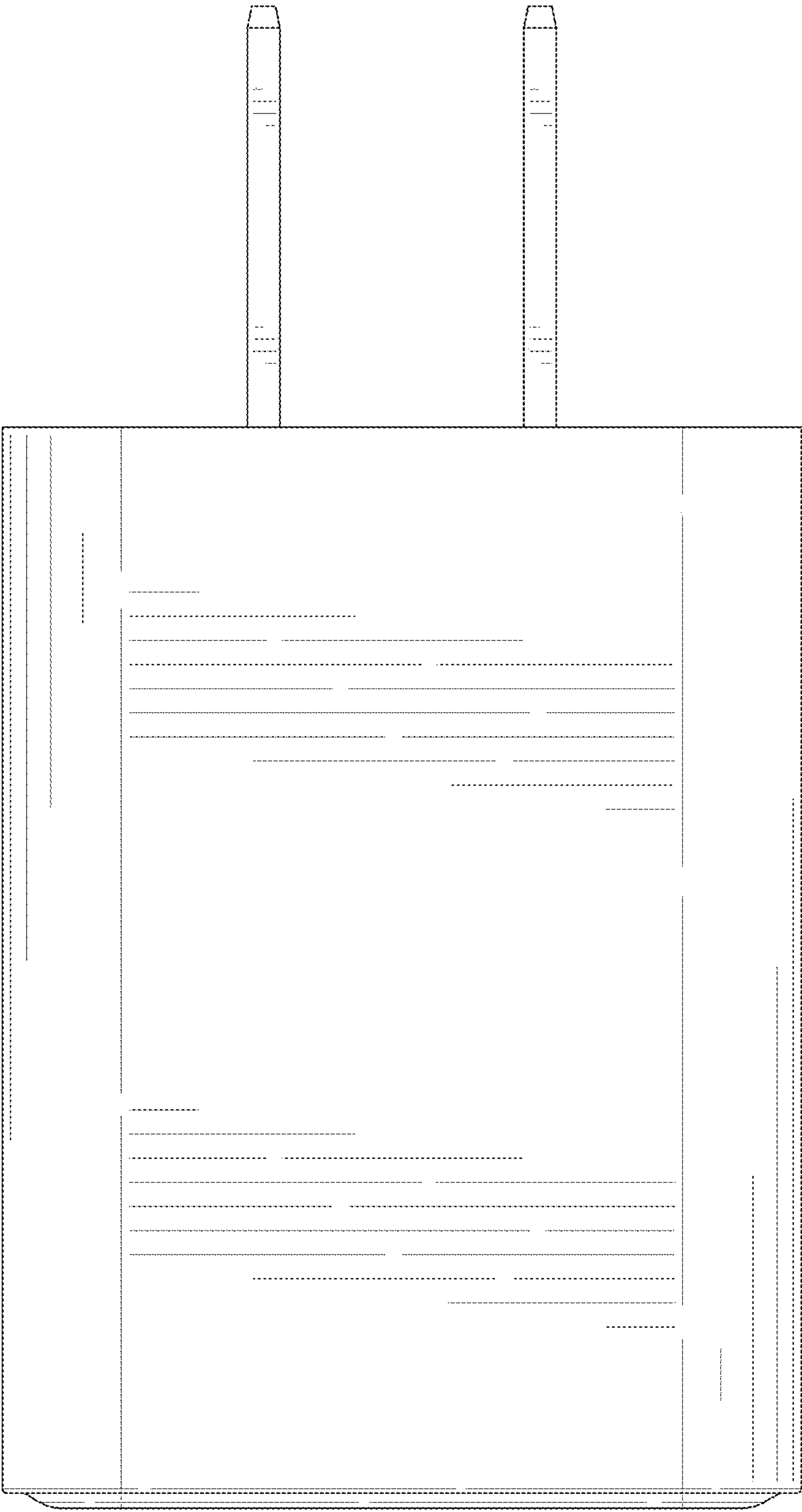


FIG. 15

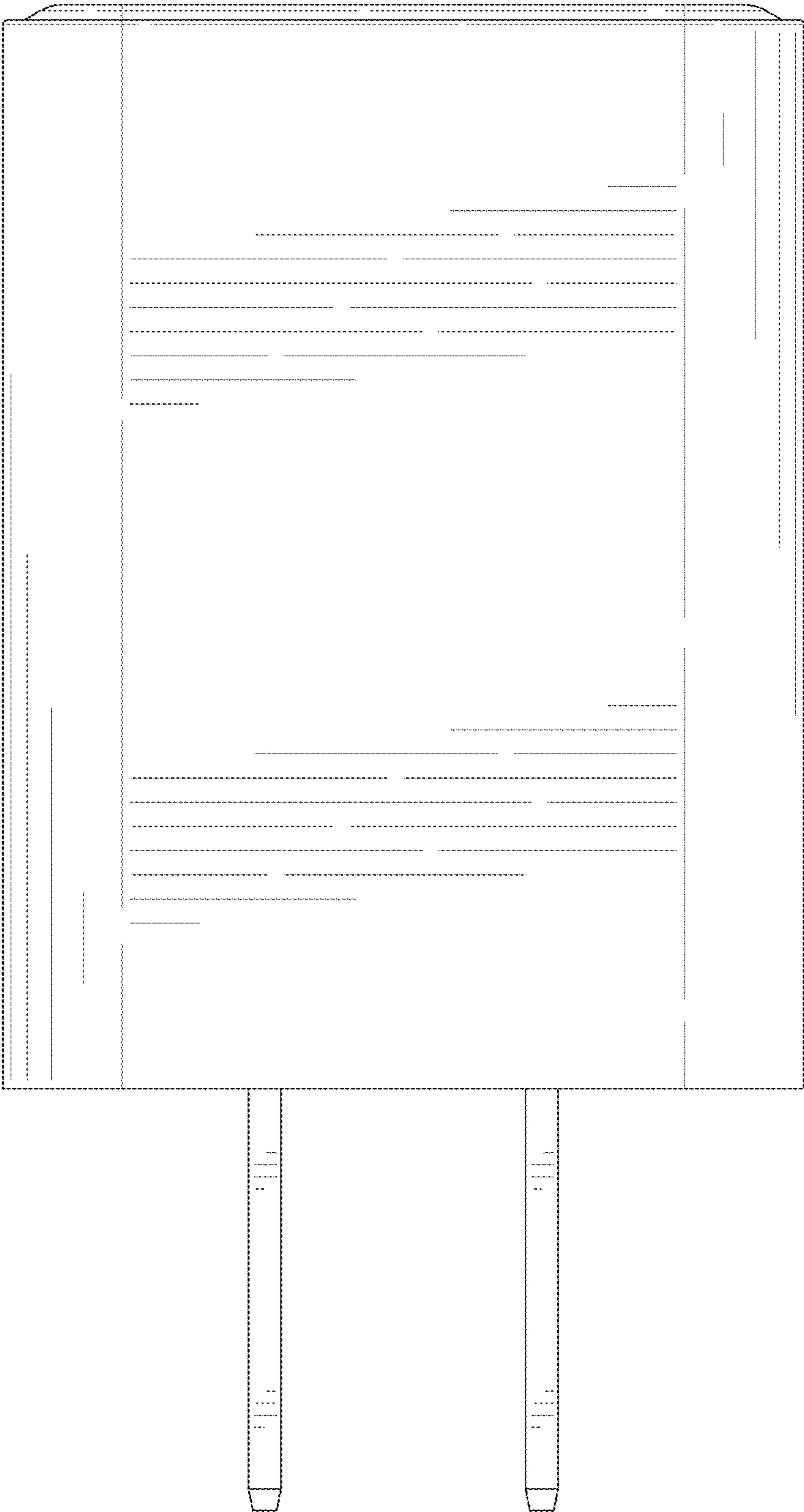


FIG. 16

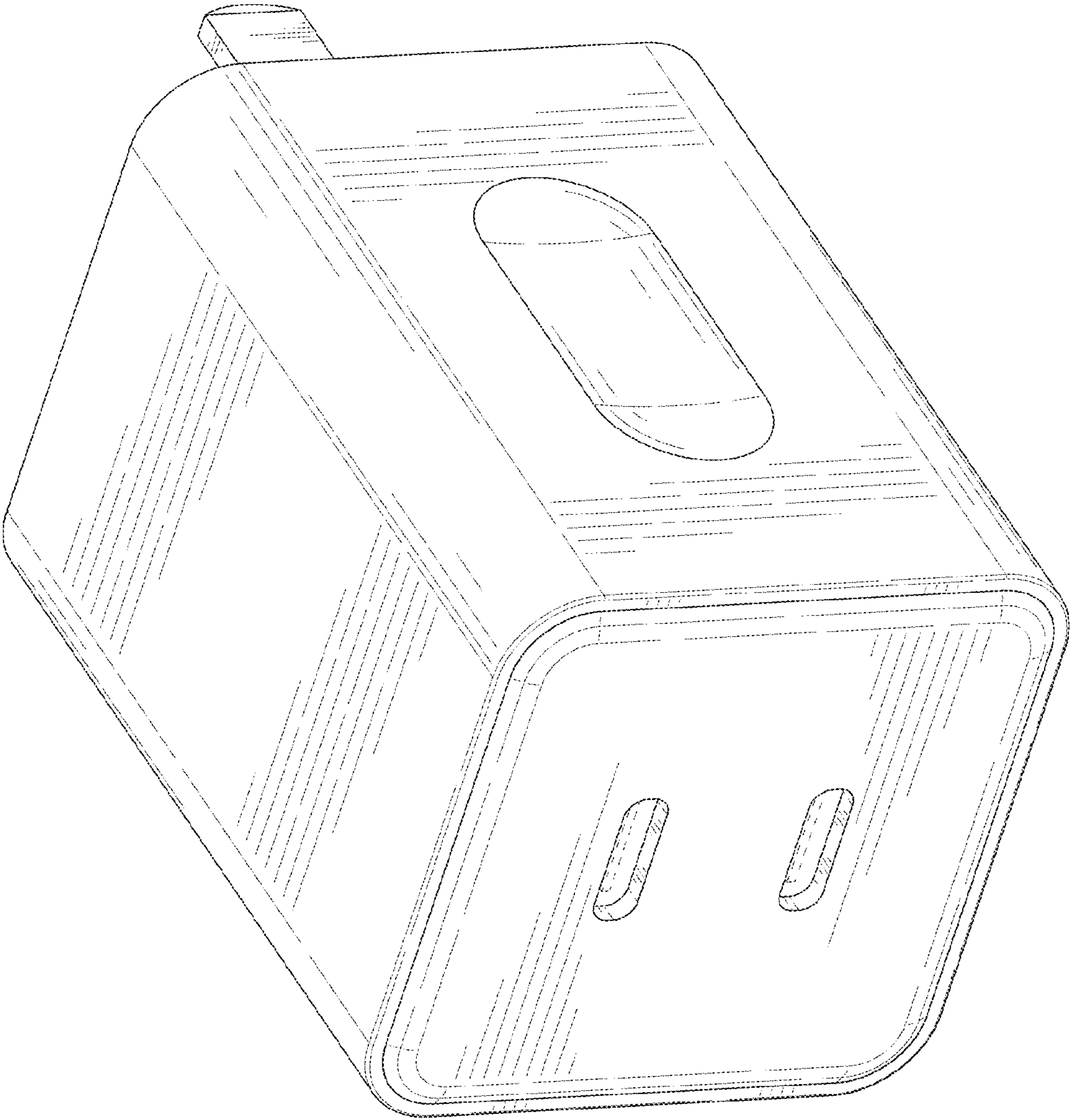


FIG. 17

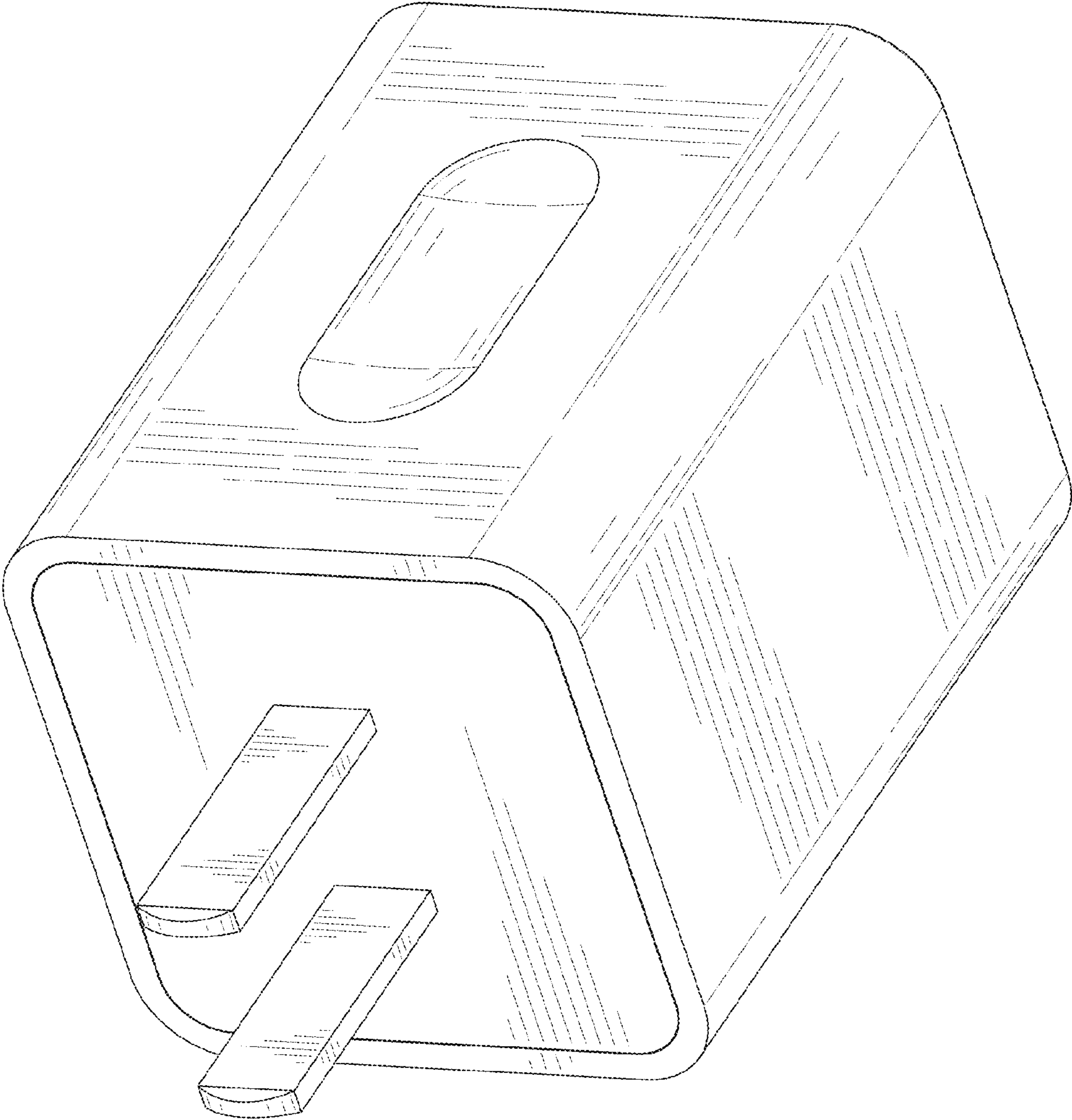


FIG. 18

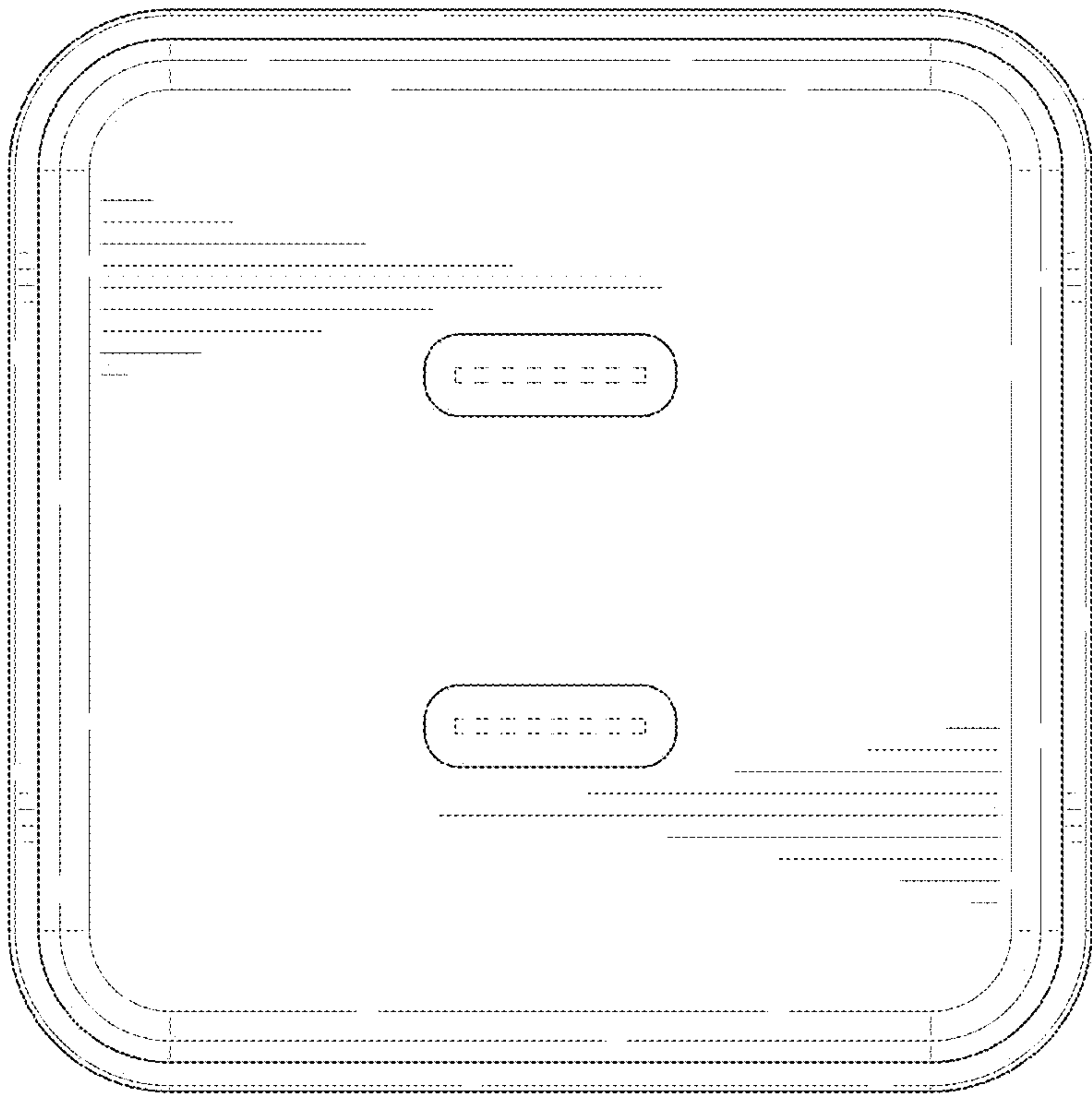


FIG. 19

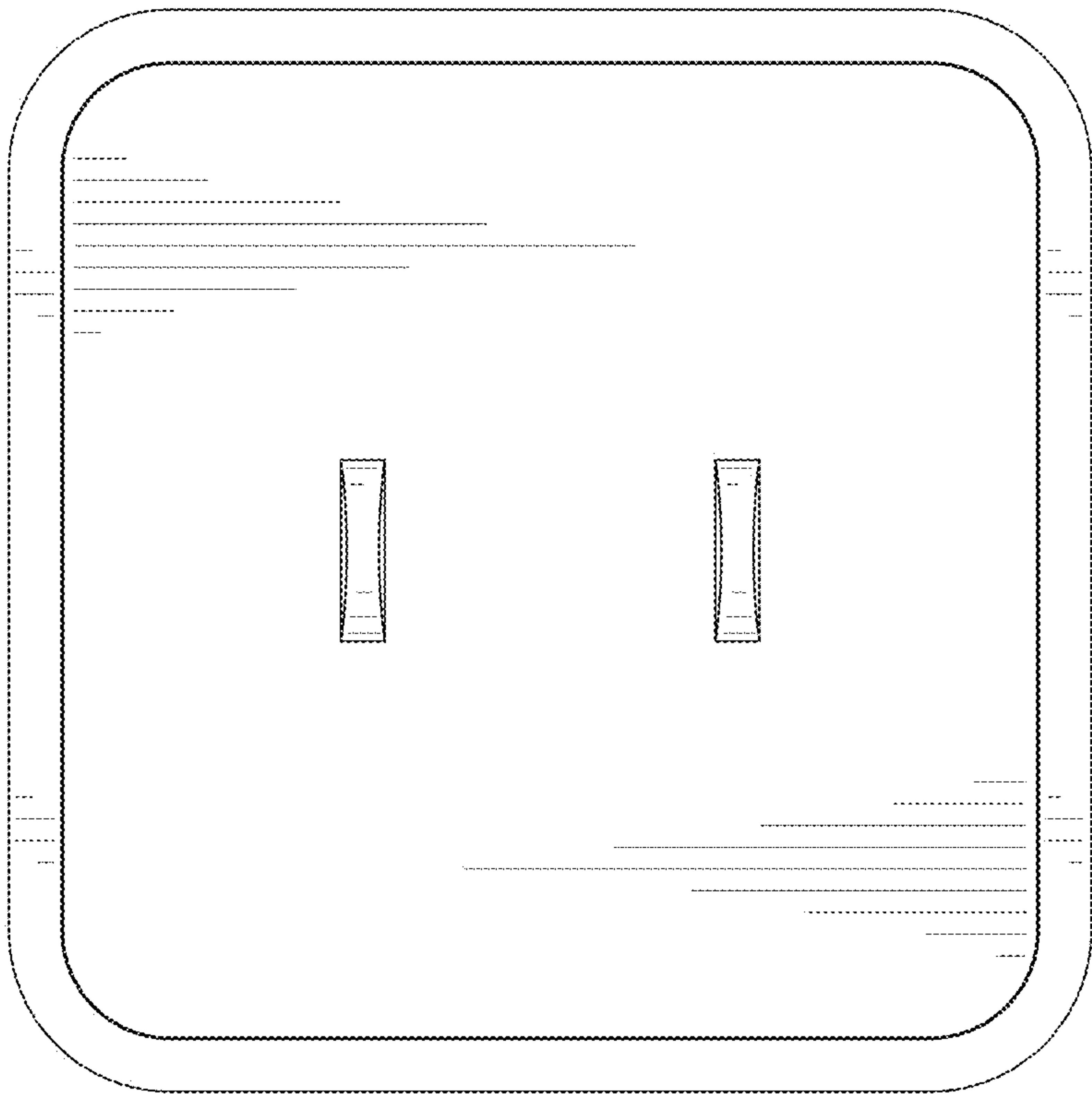


FIG. 20

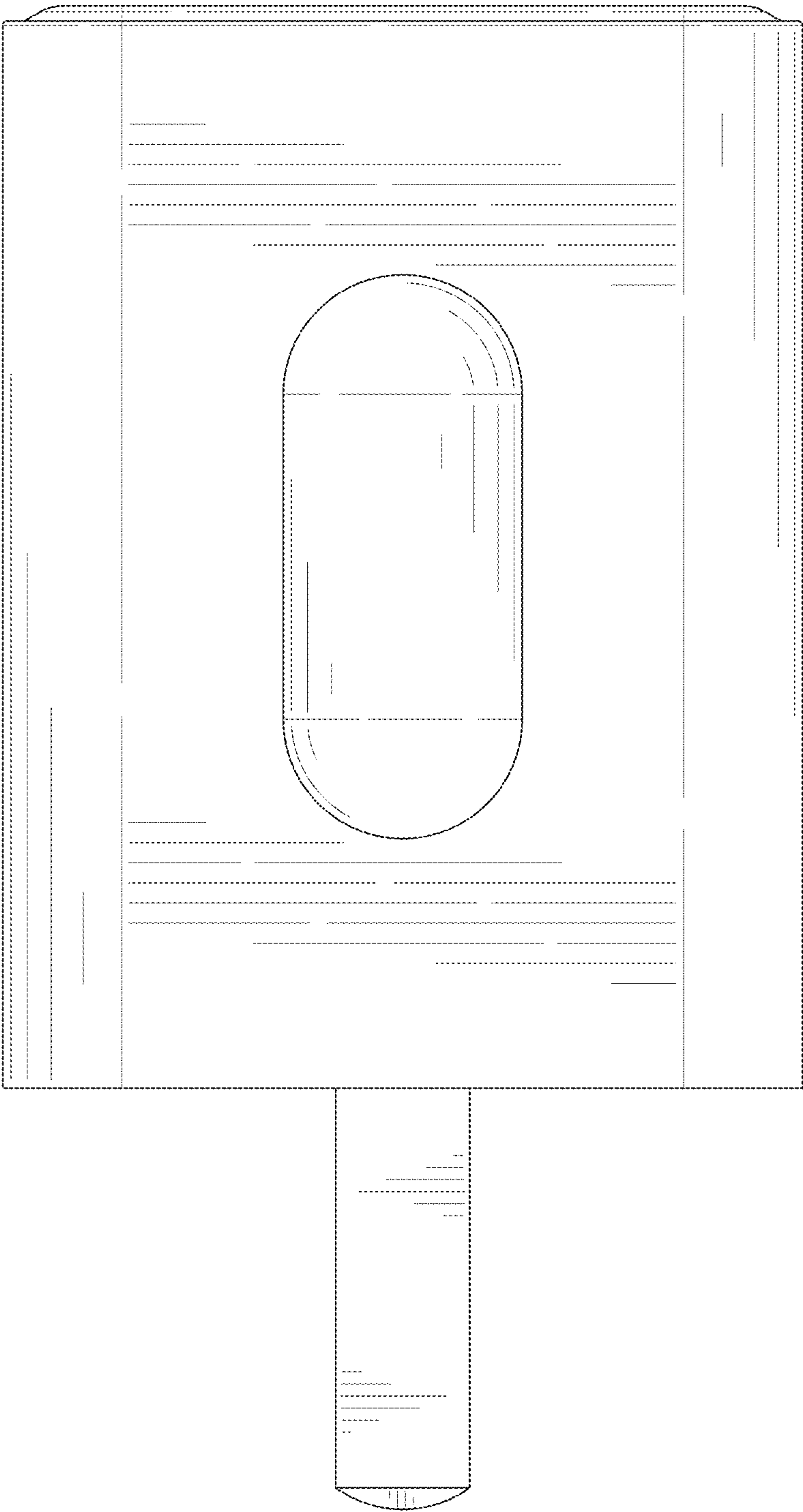


FIG. 21

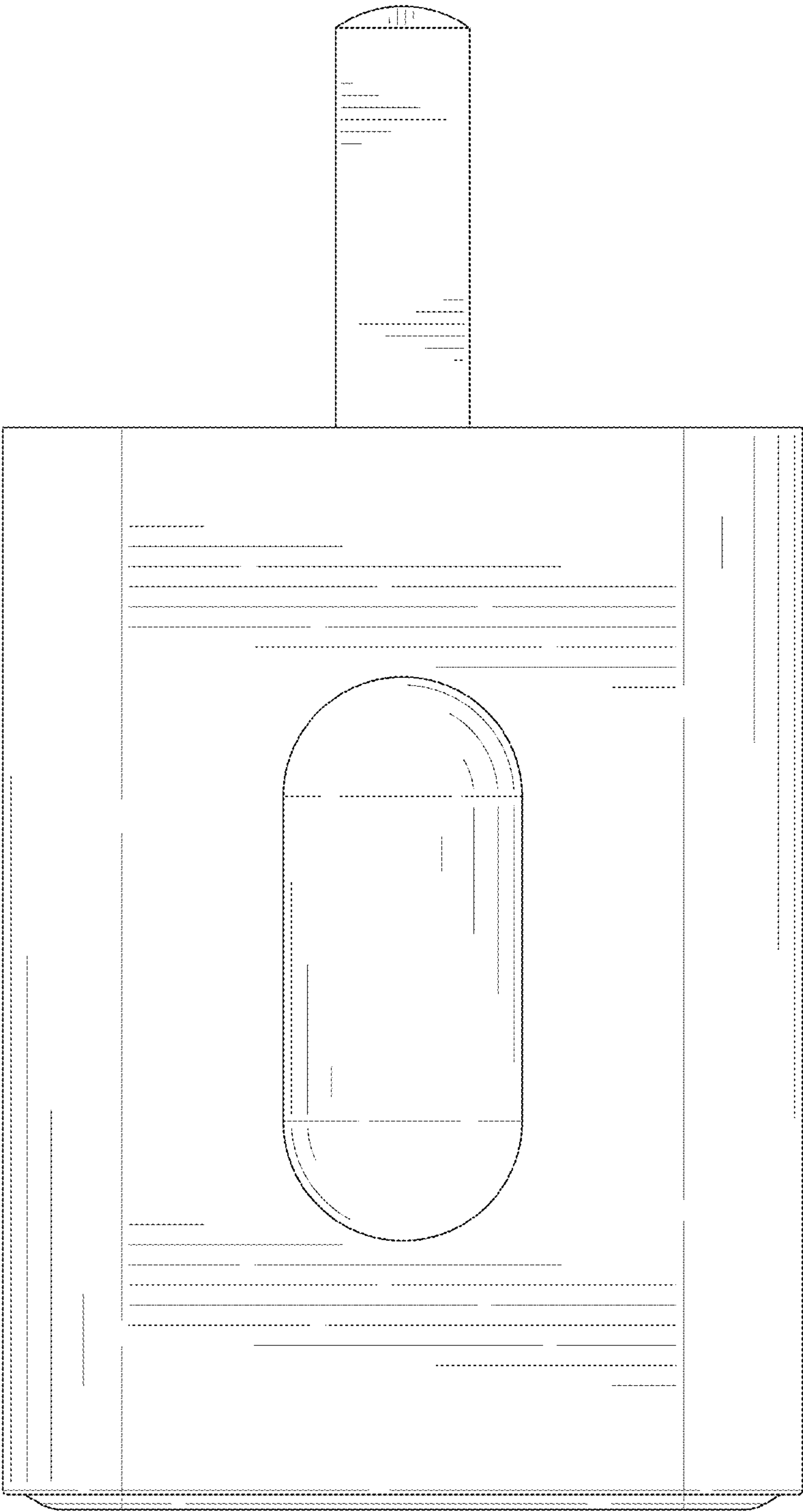


FIG. 22

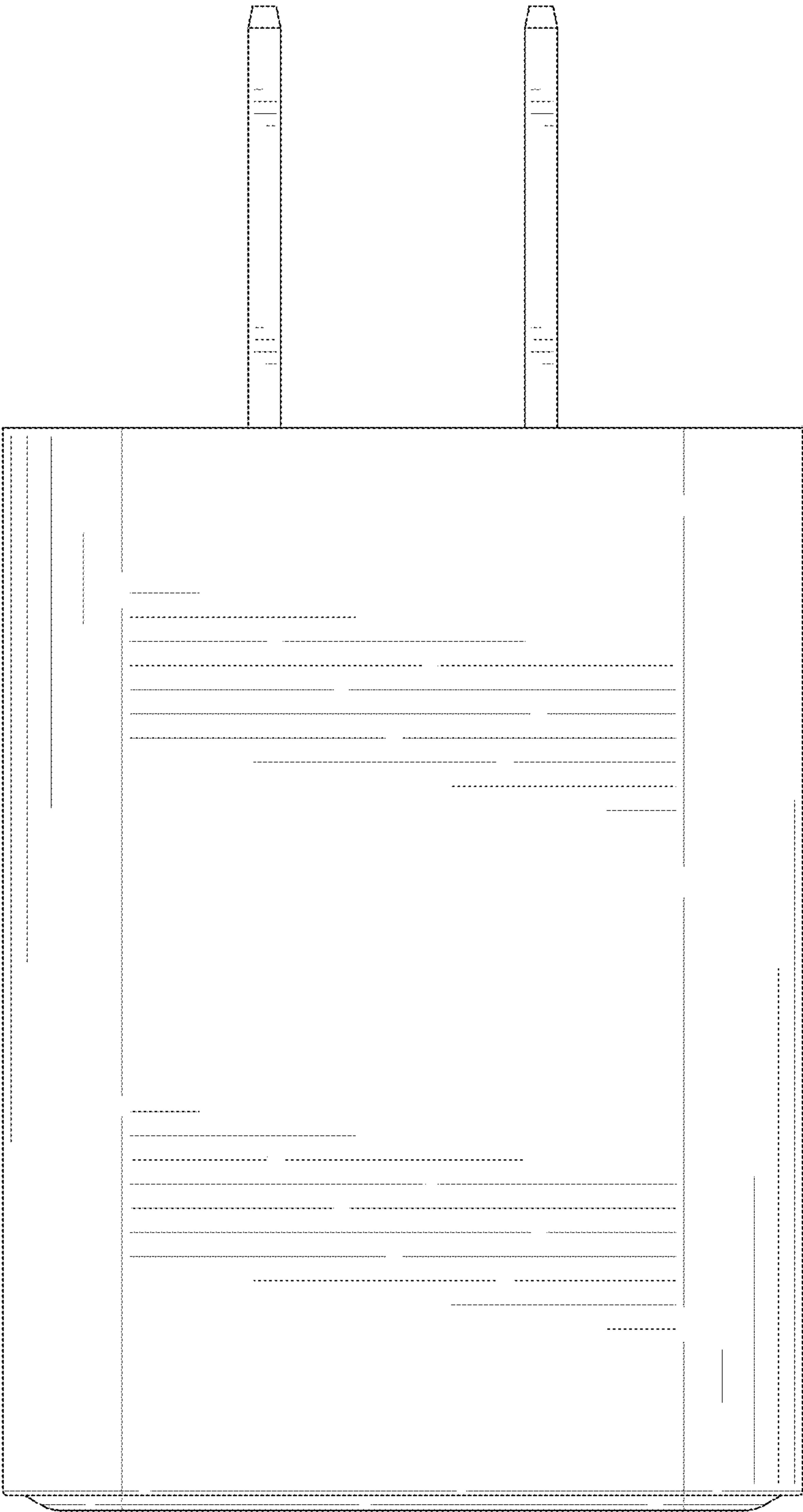


FIG. 23

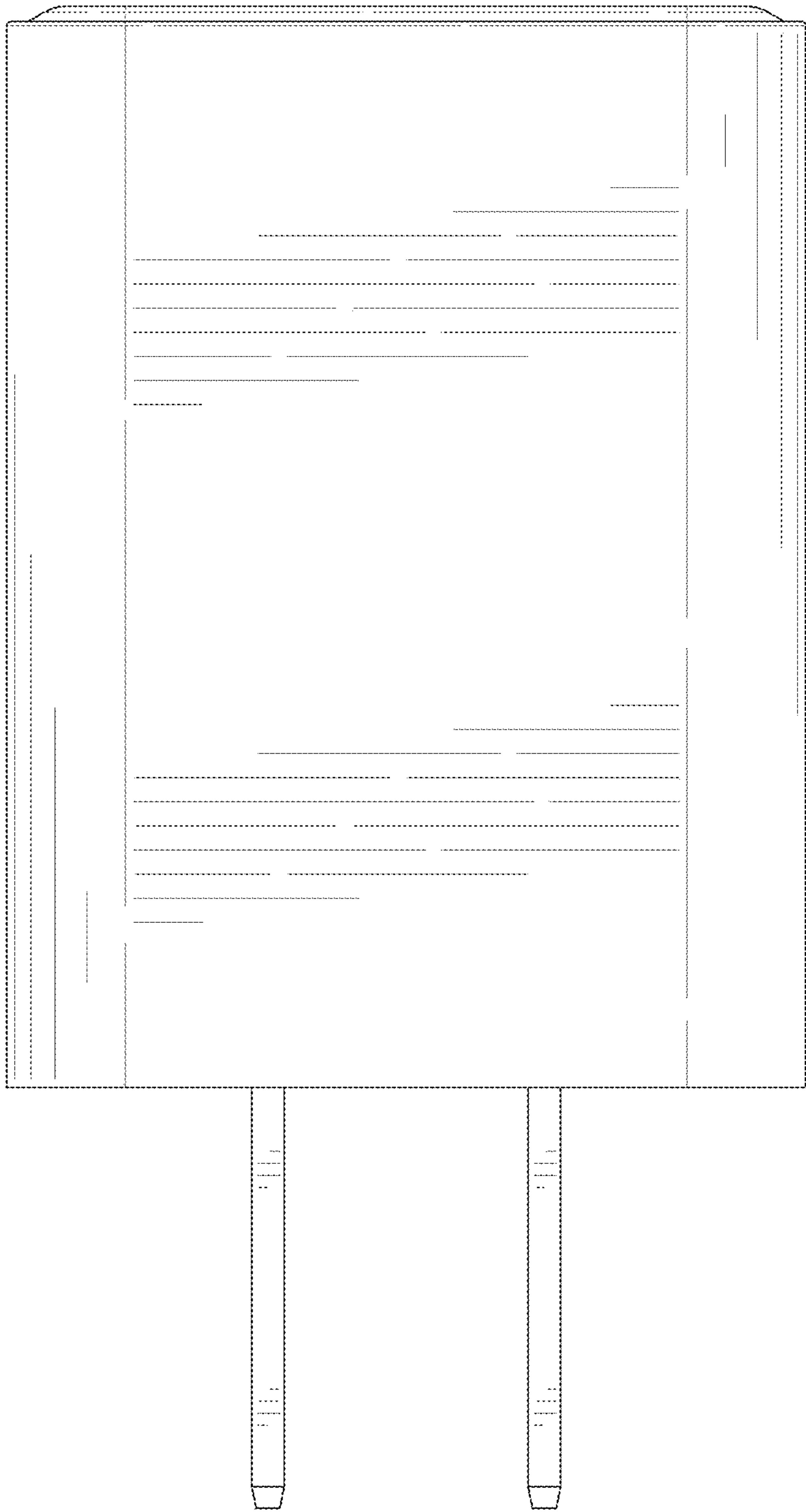


FIG. 24

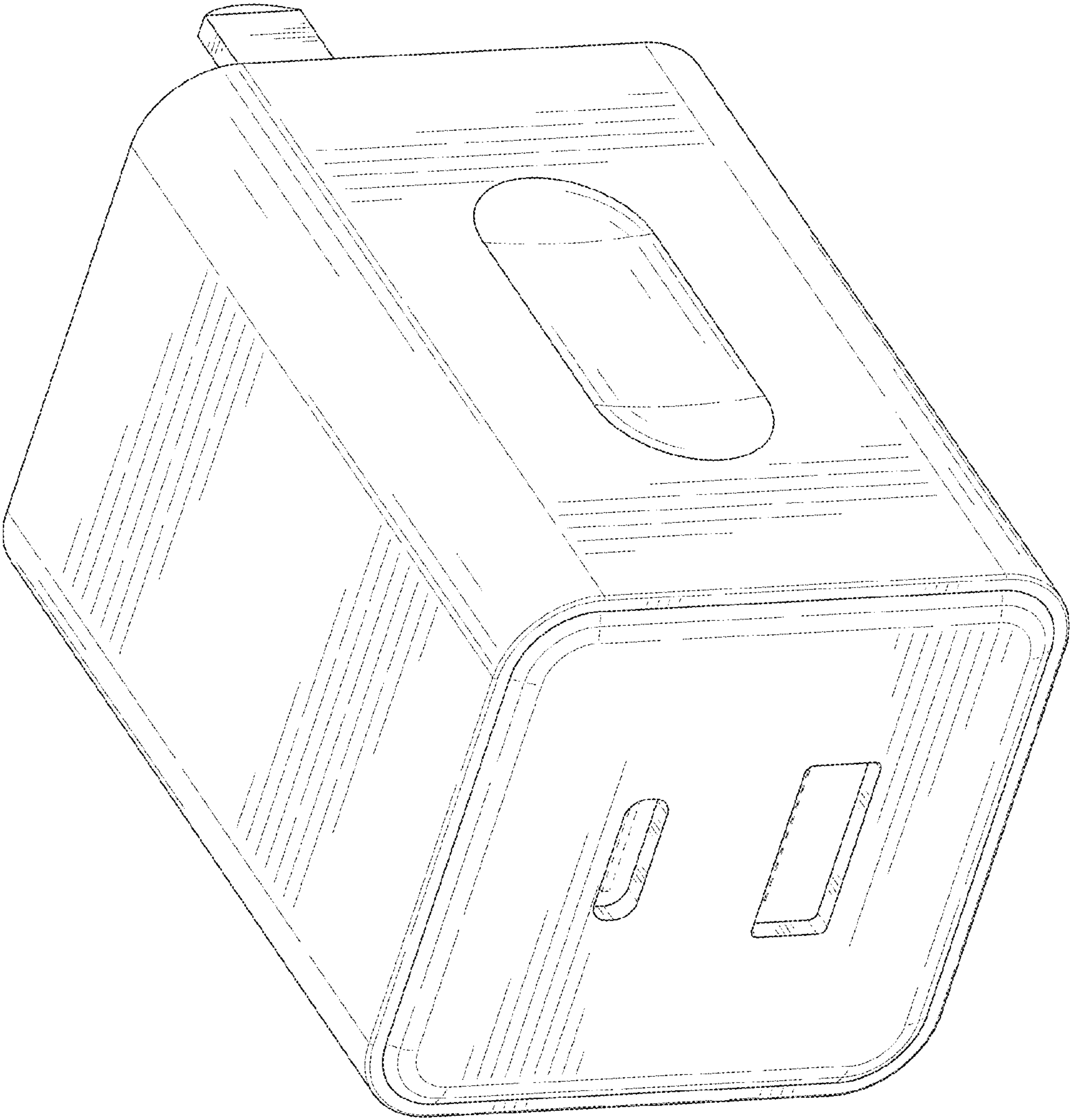


FIG. 25

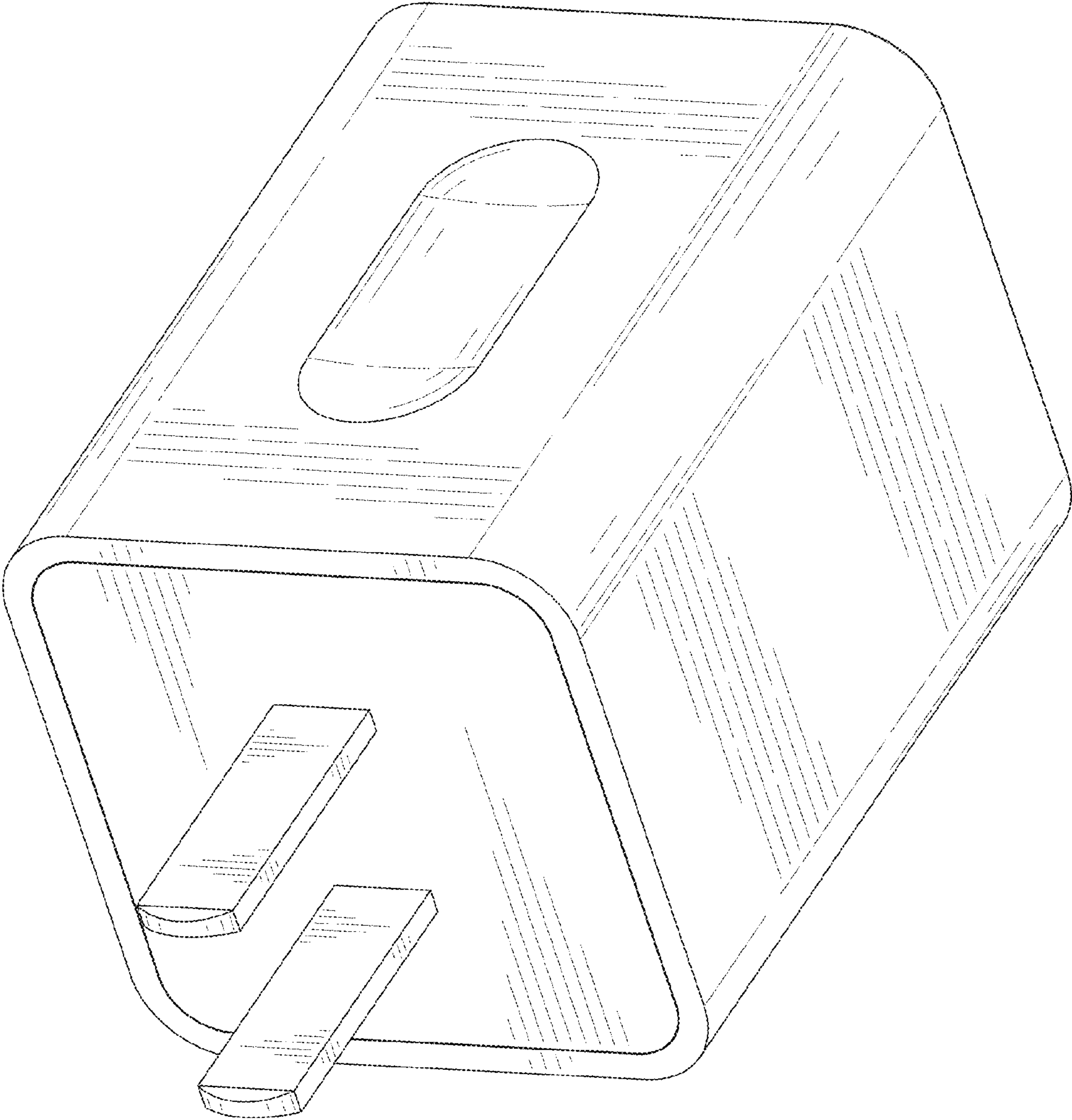


FIG. 26

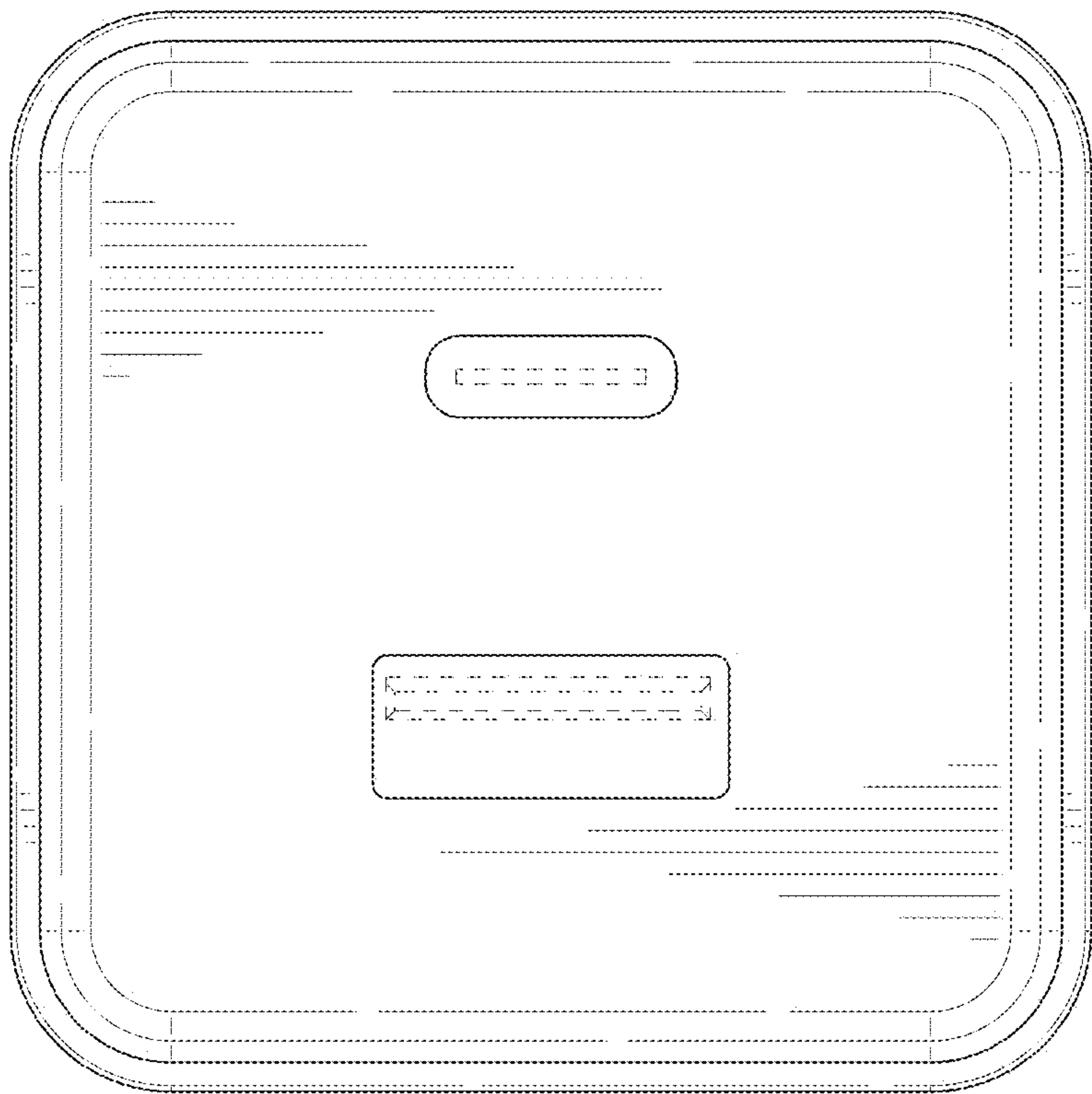


FIG. 27

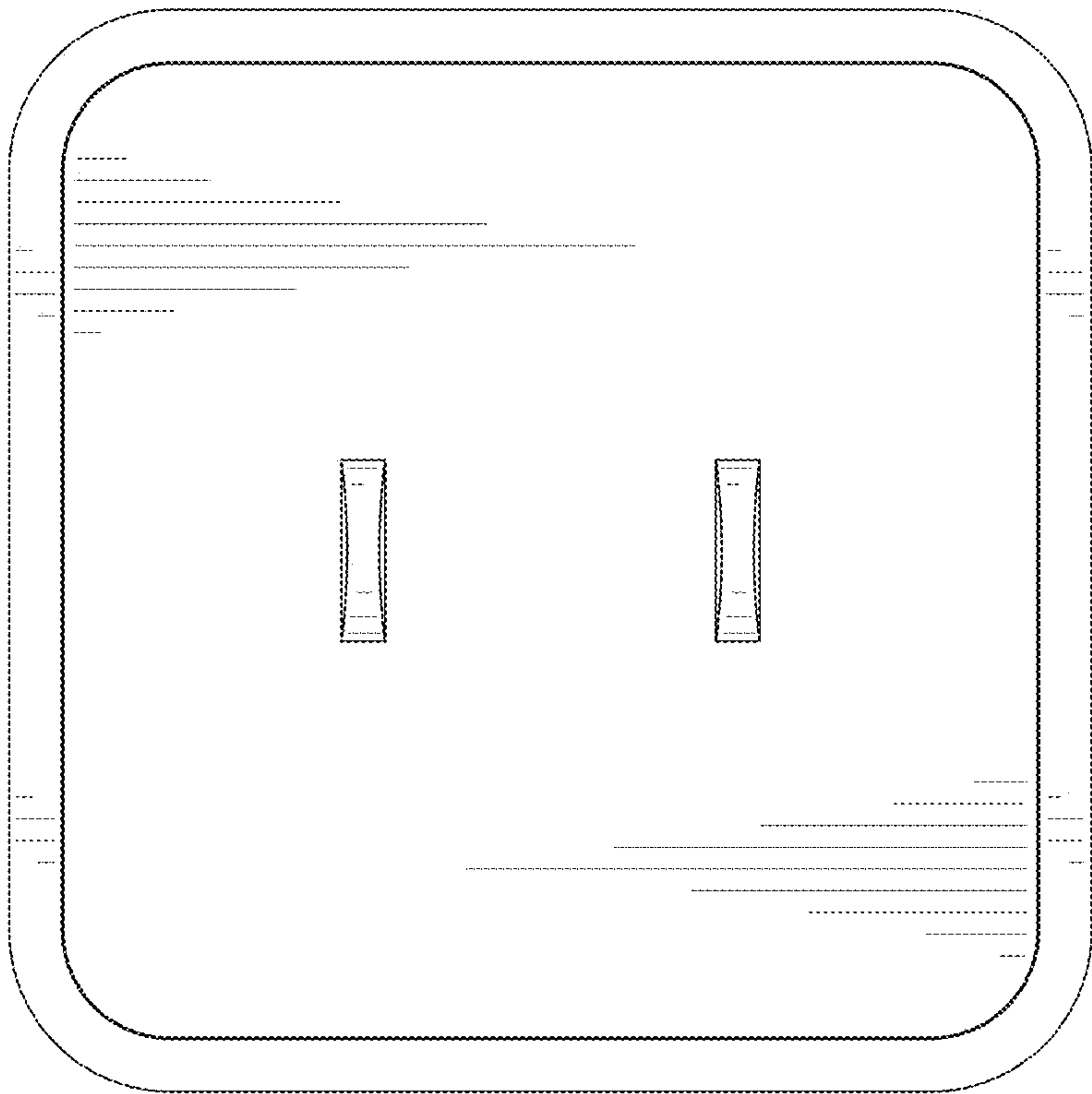


FIG. 28

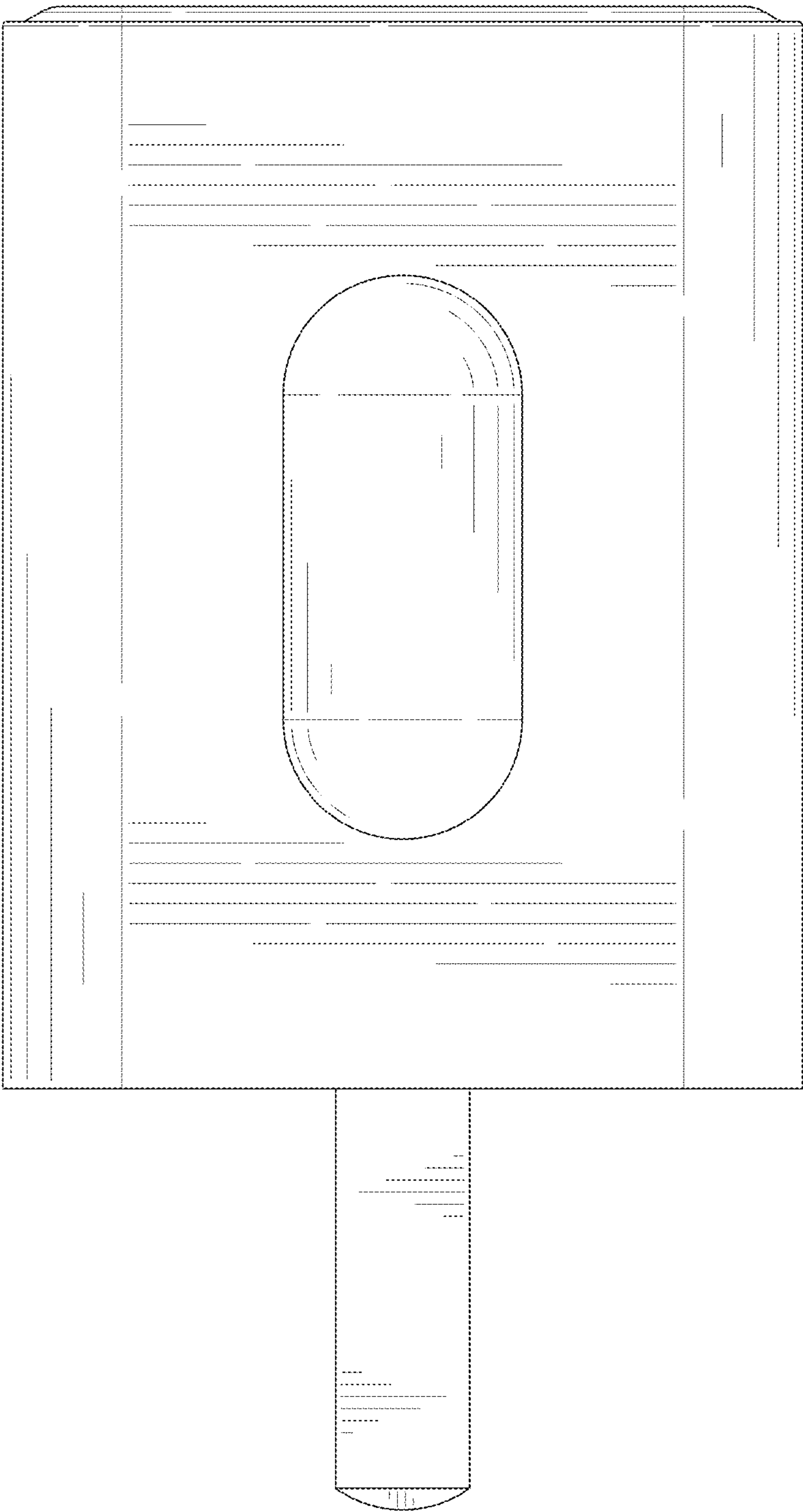


FIG. 29

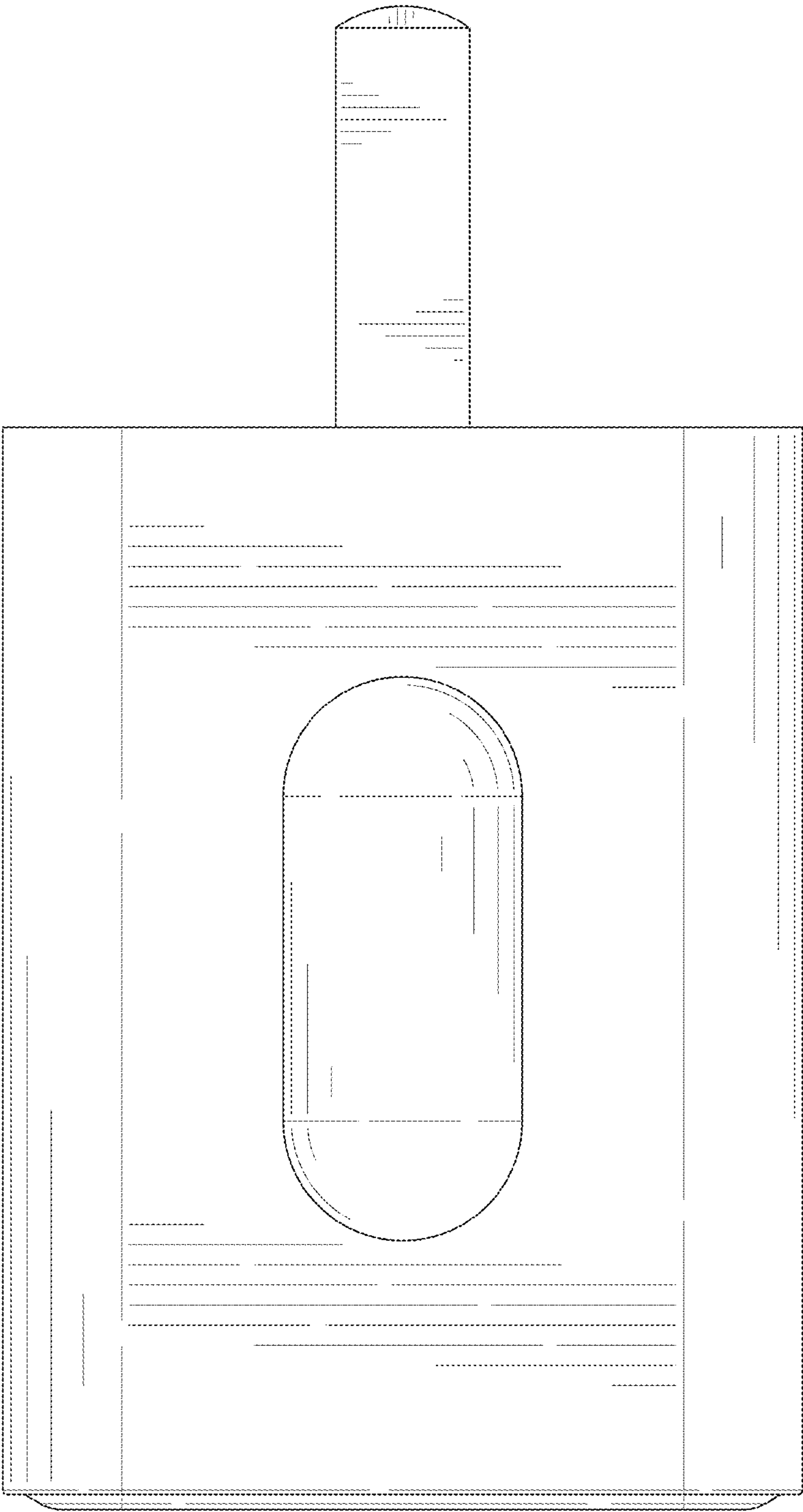


FIG. 30

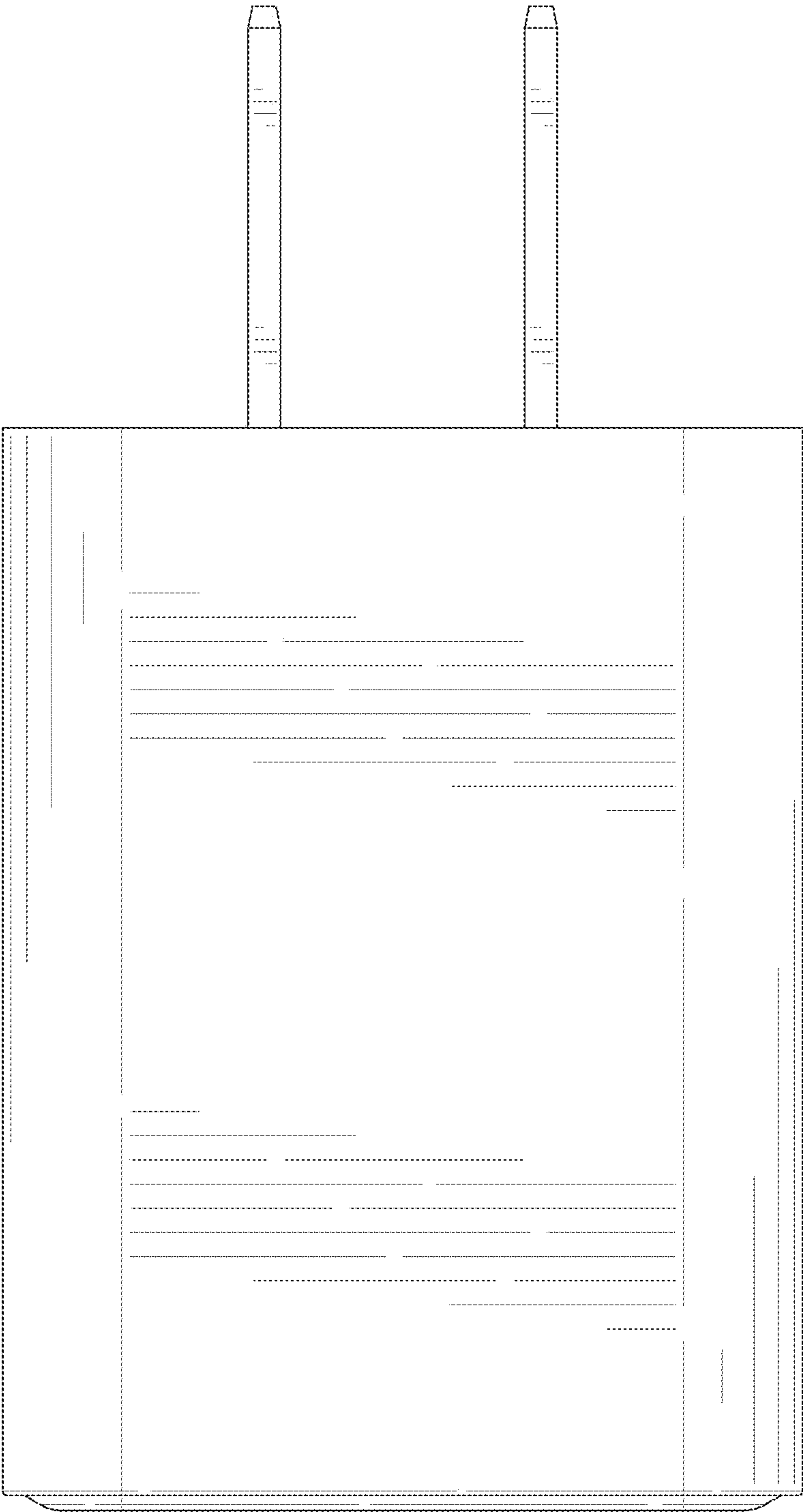


FIG. 31

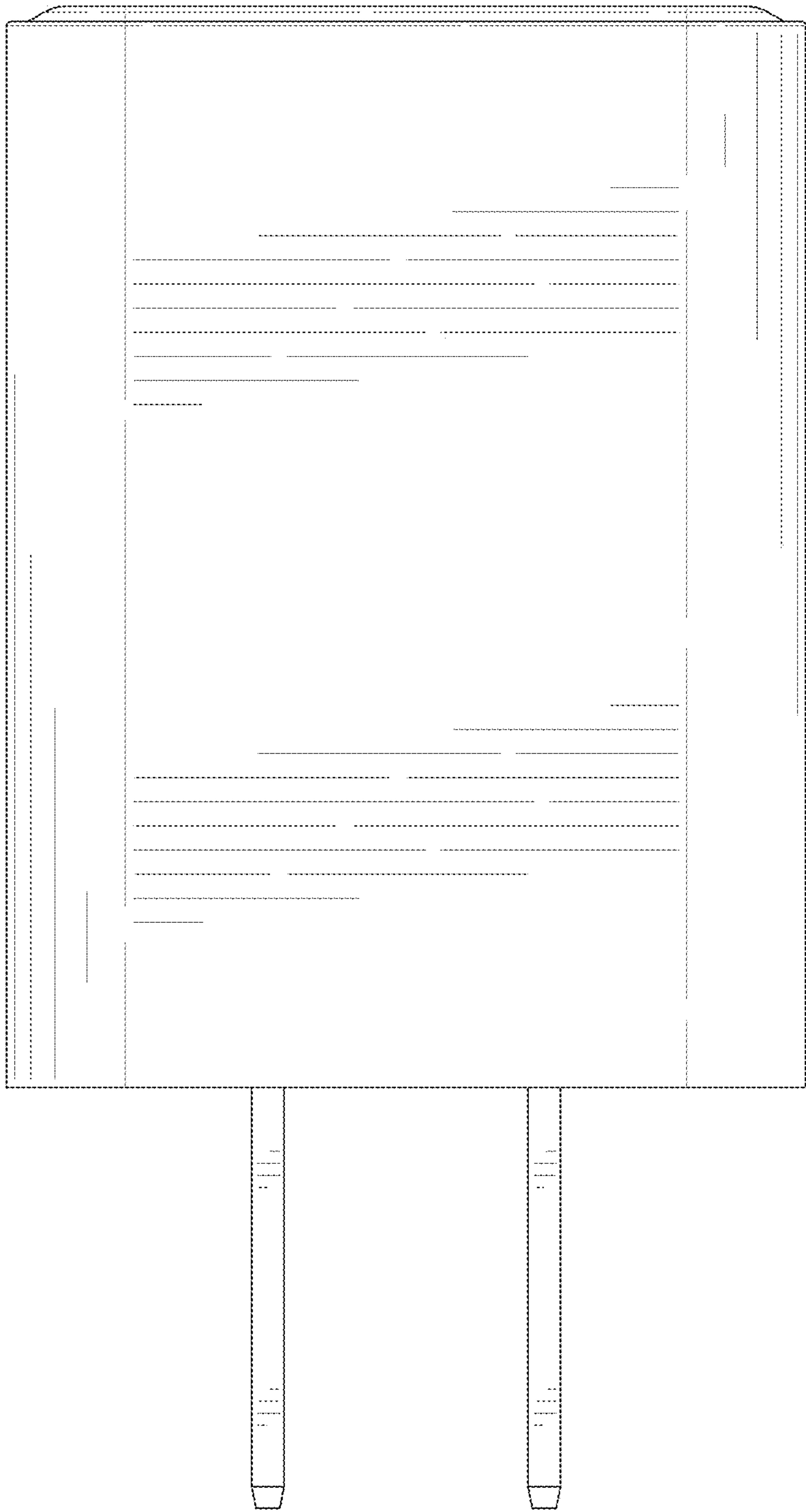


FIG. 32