

US00D783714S

(12) **United States Design Patent** (10) **Patent No.:** **US D783,714 S**
Nanno et al. (45) **Date of Patent:** **** Apr. 11, 2017**

(54) **INK RIBBON CARTRIDGE**

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

(21) Appl. No.: **29/551,437**

(22) Filed: **Jan. 13, 2016**

(30) **Foreign Application Priority Data**

Jul. 13, 2015 (JP) 2015-15501

(51) **LOC (10) Cl.** **18-02**

(52) **U.S. Cl.**
USPC **D18/56**

(58) **Field of Classification Search**
USPC D18/12, 43, 56; 400/194, 195, 196, 207,
400/208, 234, 235.1, 247; 360/132
CPC . B41J 15/044; B41J 32/00; B41J 17/32; B41J
33/52; B41J 33/56; B41J 35/36; G11B
23/08757

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,859,097 A * 8/1989 Frerichs B41J 32/00
400/208
5,018,885 A * 5/1991 Uggetti B41J 33/52
206/206
5,030,022 A * 7/1991 Casey B41J 31/16
400/194

5,163,764 A * 11/1992 Falconieri B41J 32/00
400/208
5,224,784 A * 7/1993 Haftmann B41J 35/36
400/208
5,456,545 A * 10/1995 Sims B41J 35/36
400/207
5,469,319 A * 11/1995 Takeda G11B 23/08757
242/346
5,501,536 A * 3/1996 Kleve B41J 32/00
400/208
D372,269 S * 7/1996 Miyazaki 400/208
5,618,119 A * 4/1997 Misu B41J 2/325
400/208
5,915,859 A * 6/1999 Kubota B41J 33/56
400/202
6,027,266 A * 2/2000 Turner B41J 17/32
400/208
D423,566 S * 4/2000 Hosono D18/56
D475,737 S * 6/2003 Nissim D18/12

(Continued)

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(57) **CLAIM**

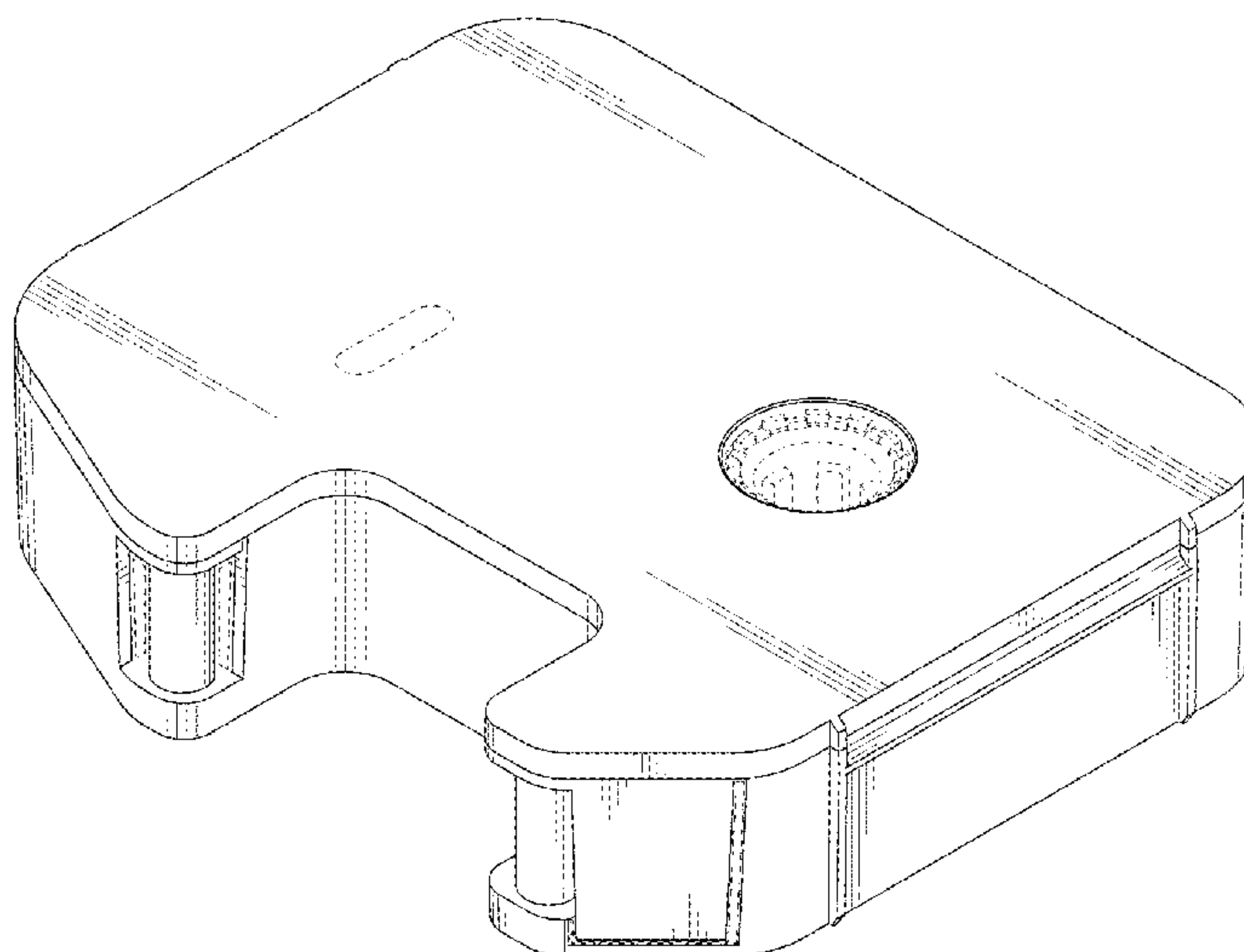
The ornamental design for an ink ribbon cartridge, as shown and described.

DESCRIPTION

FIG. 1 is a rear perspective view of an ink ribbon cartridge; FIG. 2 is a front view thereof; FIG. 3 is a top view thereof; FIG. 4 is a right-side view thereof; FIG. 5 is a left-side view thereof; FIG. 6 is a rear view thereof; and, FIG. 7 is a bottom view thereof.

The broken lines depict environmental subject matter only and form no part of the claimed design.

1 Claim, 4 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D509,531	S	*	9/2005	Geserich	.....	D18/12
D521,550	S	*	5/2006	Kato	.....	D18/56
D523,470	S	*	6/2006	Kato	.....	D18/56
D570,905	S	*	6/2008	Yuen	.....	347/86
D593,595	S	*	6/2009	Kubota	.....	D18/12
D594,503	S	*	6/2009	Sakano	.....	D18/12
D656,541	S	*	3/2012	Ko	.....	D18/56
D733,796	S	*	7/2015	Yamazaki	.....	D18/56
D763,350	S	*	8/2016	Whittall	.....	D18/56
2006/0233582	A1	*	10/2006	Horiuchi	.....	B41J 15/044 400/208
2007/0172286	A1	*	7/2007	Pomfret	.....	B41J 32/00 400/208
2007/0264071	A1	*	11/2007	Takahashi	.....	B41J 15/044 400/208

* cited by examiner

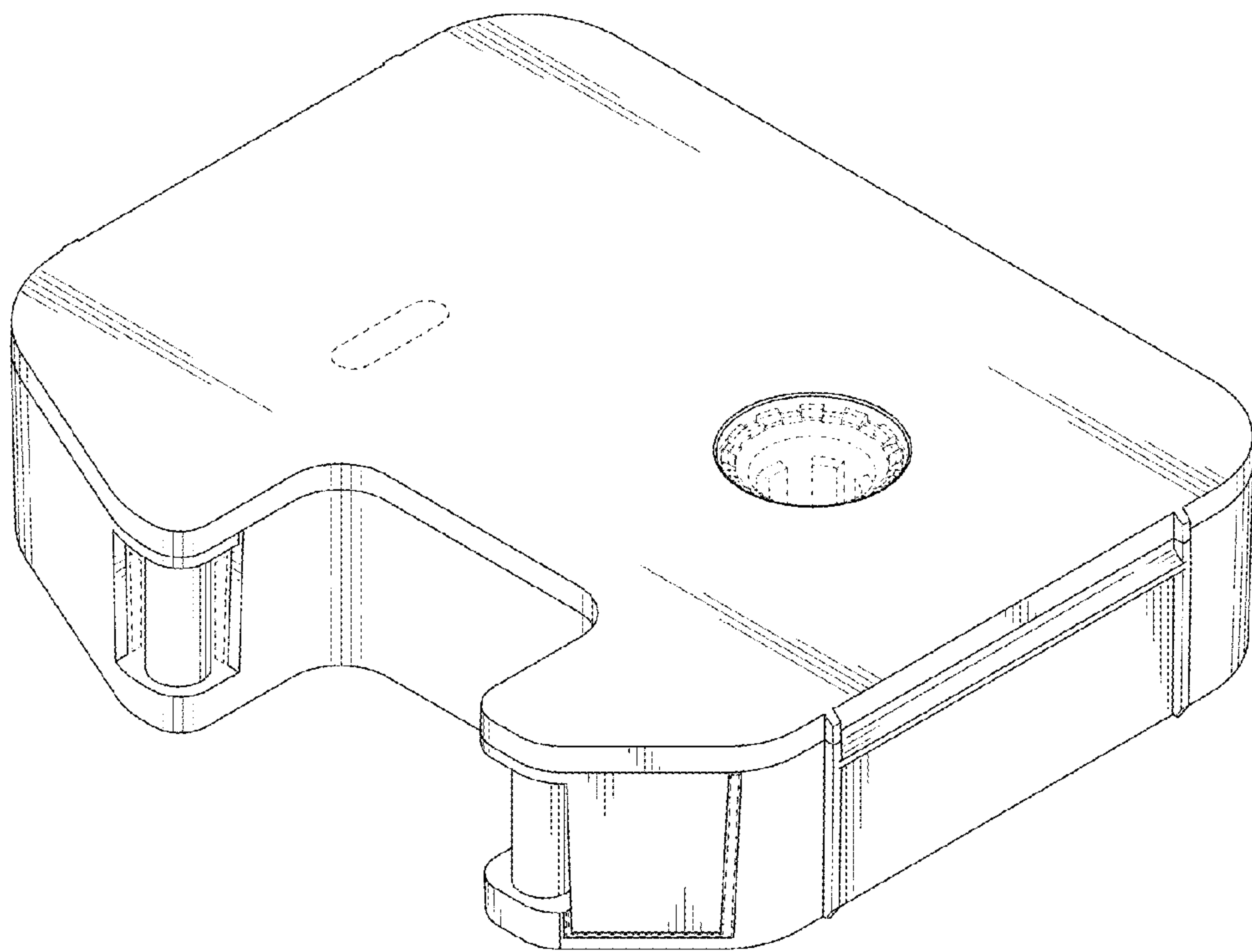


FIG. 1

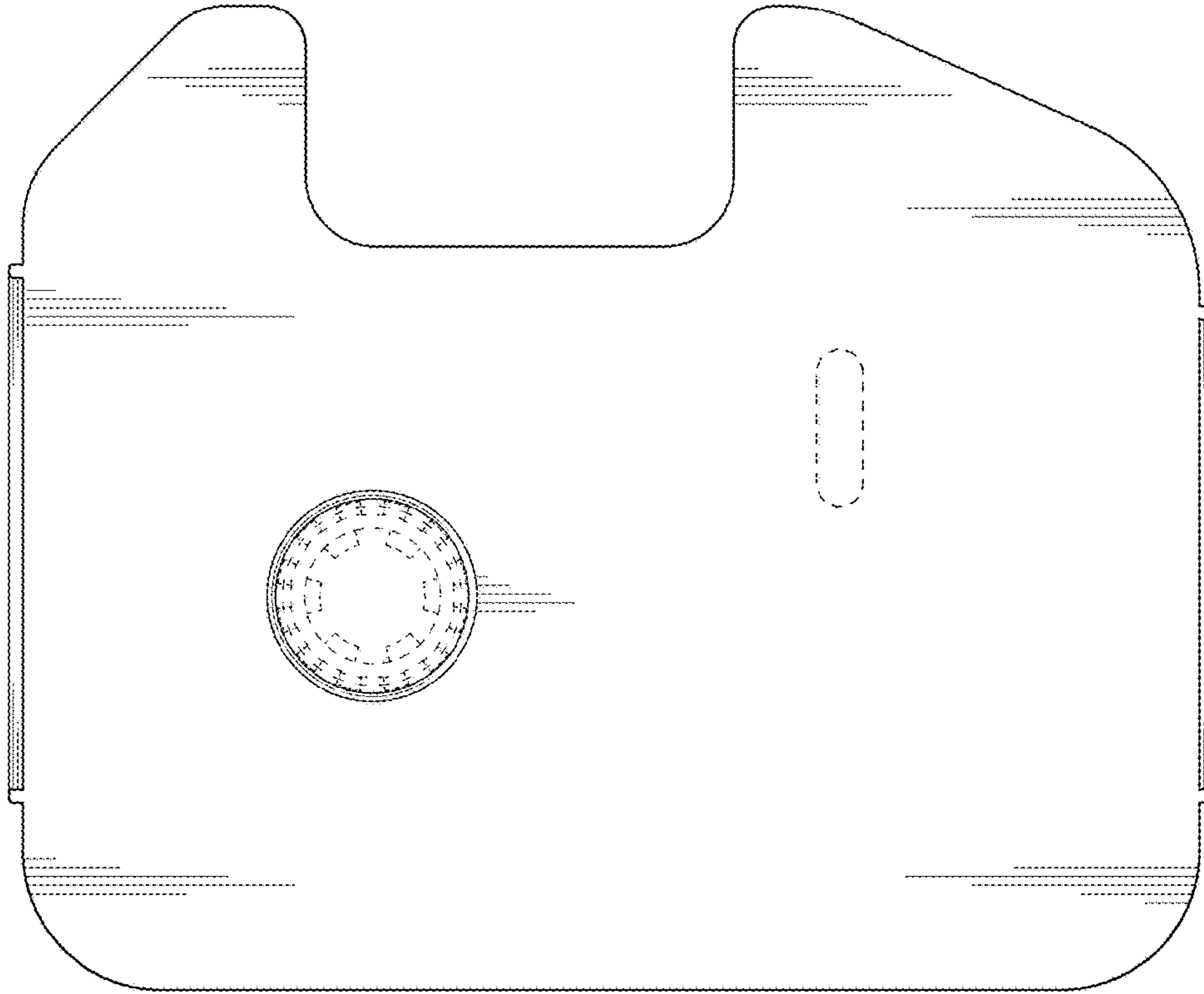


FIG. 3

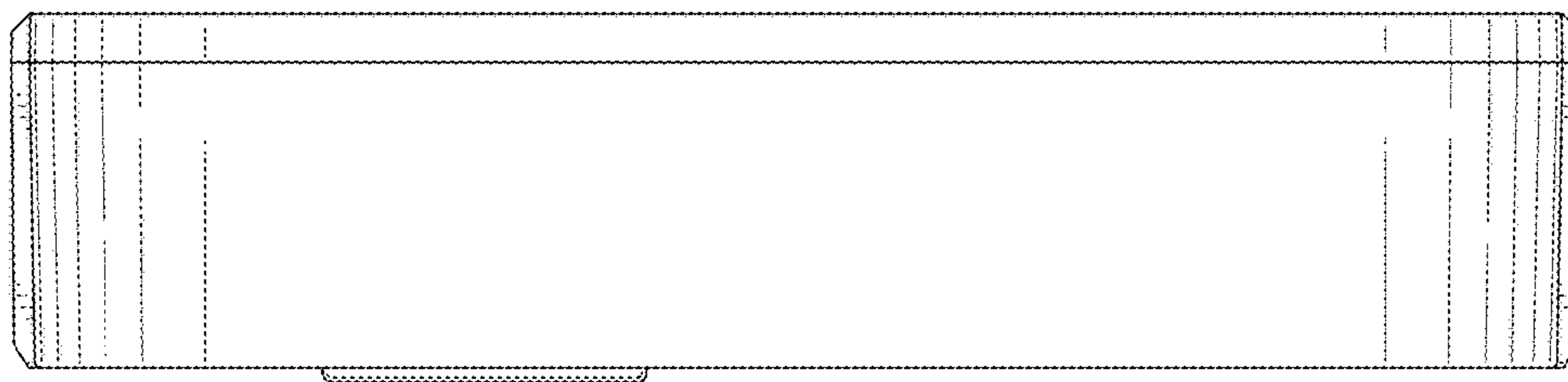


FIG. 2

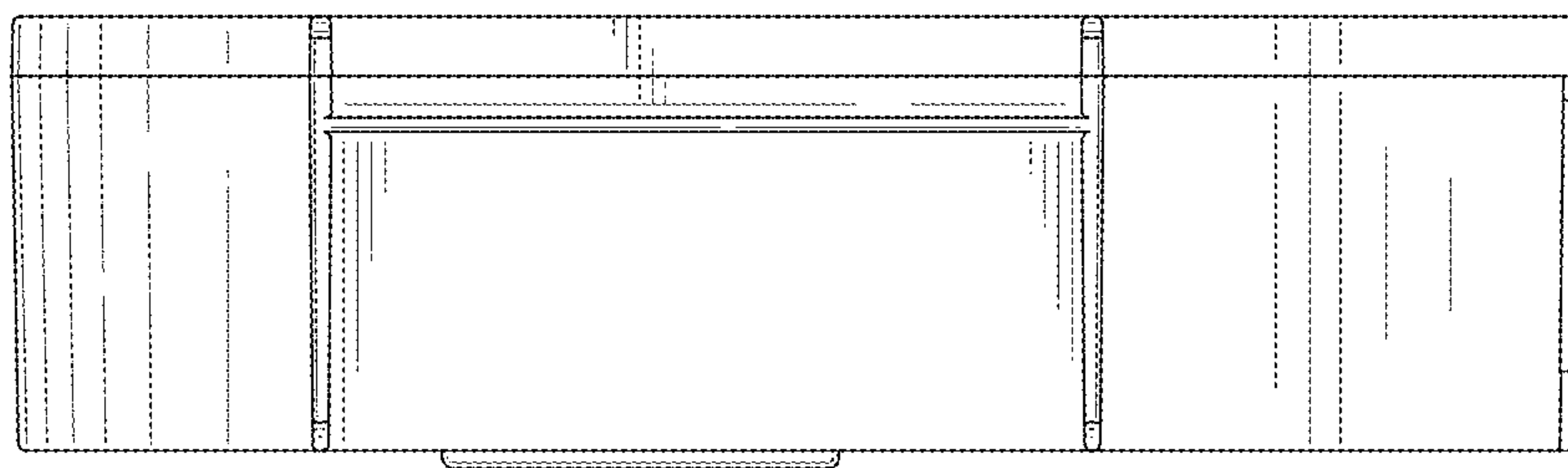


FIG. 4

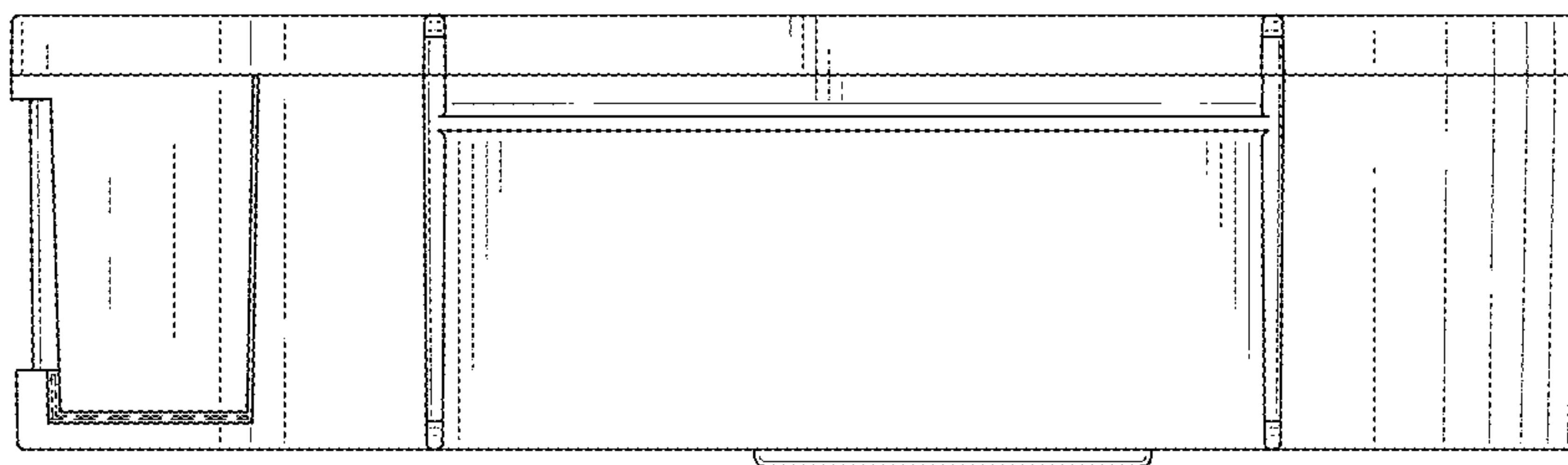


FIG. 5

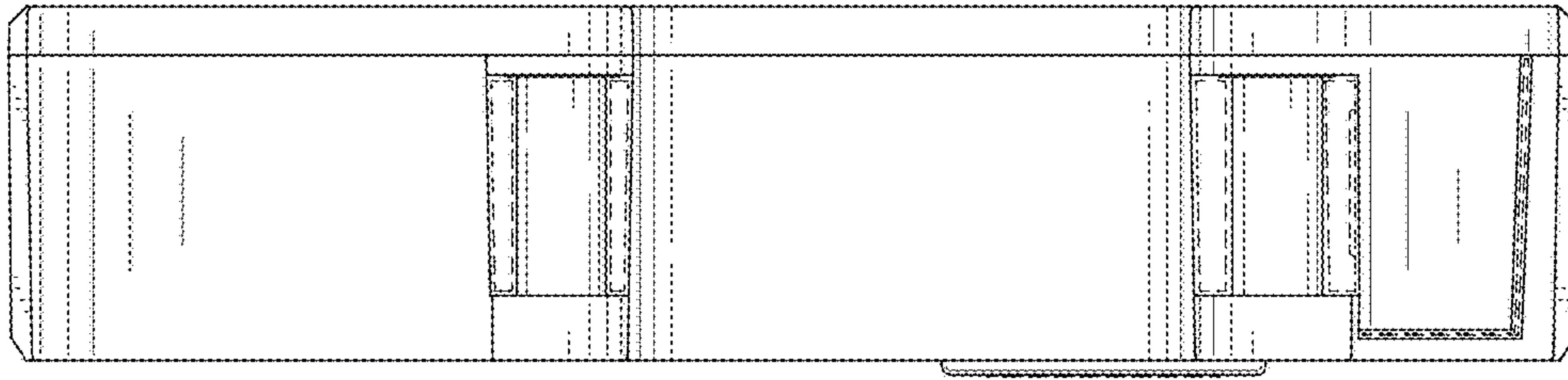


FIG. 6

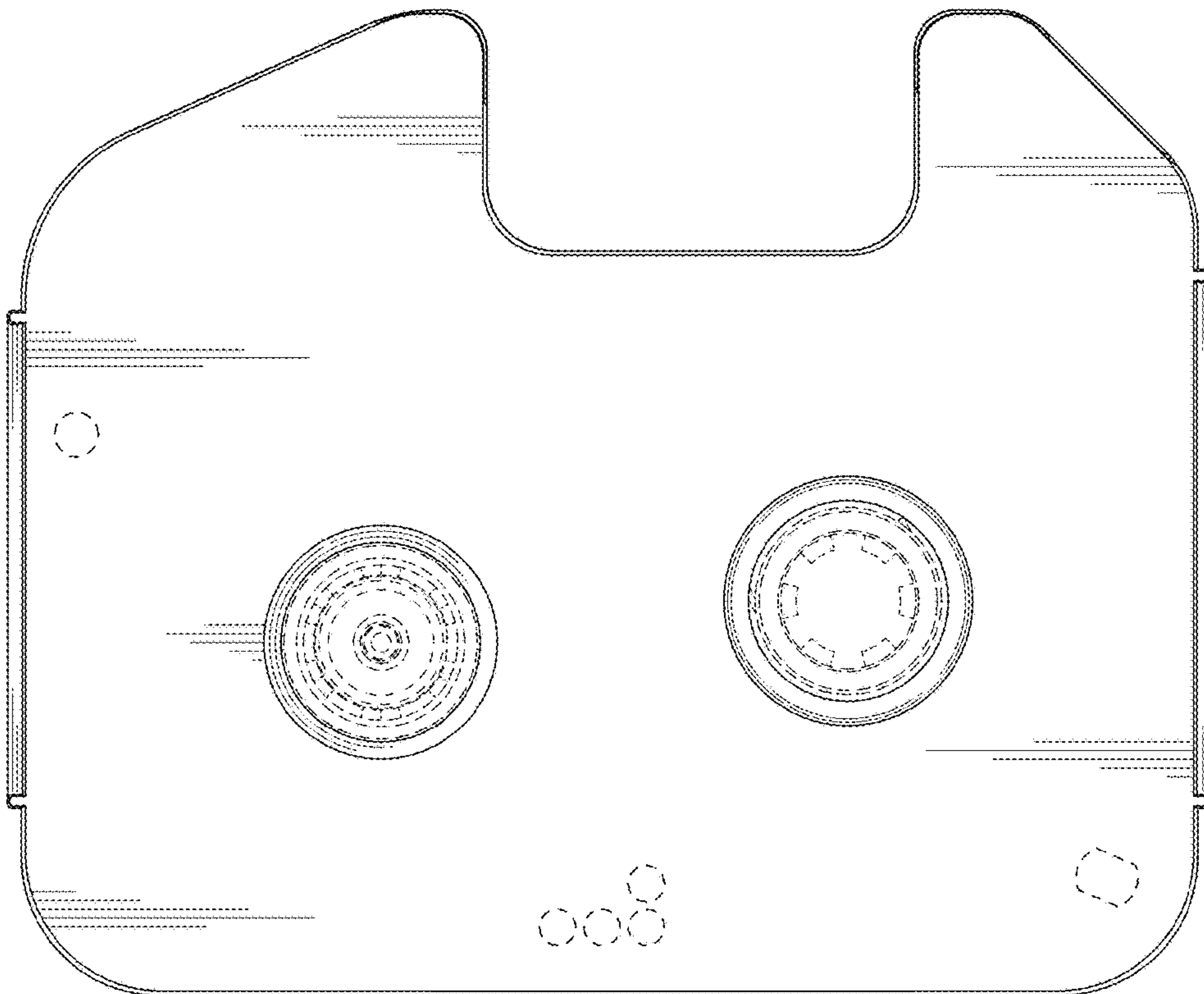


FIG. 7