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(12) **United States Design Patent** (10) **Patent No.:** **US D942,070 S**
Woodruff et al. (45) **Date of Patent:** **** Jan. 25, 2022**

(54) **CONTAINER FOR DRY PRODUCTS**

FOREIGN PATENT DOCUMENTS

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EP 2636294 A1 9/2013
GB 2346308 A 8/2000
(Continued)

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OTHER PUBLICATIONS

Drum Funnel By: 3D Warehouse found on line Jun. 28, 2021 <https://3dwarehouse.sketchup.com/model/6224a940201d8a4eb229726a165222c0/Industrial-Series-Equipment-Container-Drum-Metal-Flammables-Safety-Funnel> Mar. 25, 2014.*
(Continued)

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

(21) Appl. No.: **29/765,315**

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(57) **CLAIM**

The ornamental design for a container for dry products, as shown and described.

Related U.S. Application Data

(62) Division of application No. 29/661,218, filed on Aug. 25, 2018, now Pat. No. Des. 908,277.

(51) **LOC (13) Cl.** **27-06**

(52) **U.S. Cl.**
USPC **D27/183**

(58) **Field of Classification Search**
USPC D27/162, 183, 184, 186–194, 172, 181;
D7/700, 665, 312, 316, 321, 368, 398
CPC A24F 23/00
See application file for complete search history.

DESCRIPTION

FIG. 1 is a top, front, left side perspective view of the container for dry products, showing our new design; FIG. 2 is a bottom, front, right side perspective view thereof; FIG. 3 is a front elevation view thereof; FIG. 4 is a rear elevation view thereof; FIG. 5 is a top plan view thereof; FIG. 6 is a bottom plan view thereof; FIG. 7 is a left side elevation view thereof; and, FIG. 8 is a right side elevation view thereof.

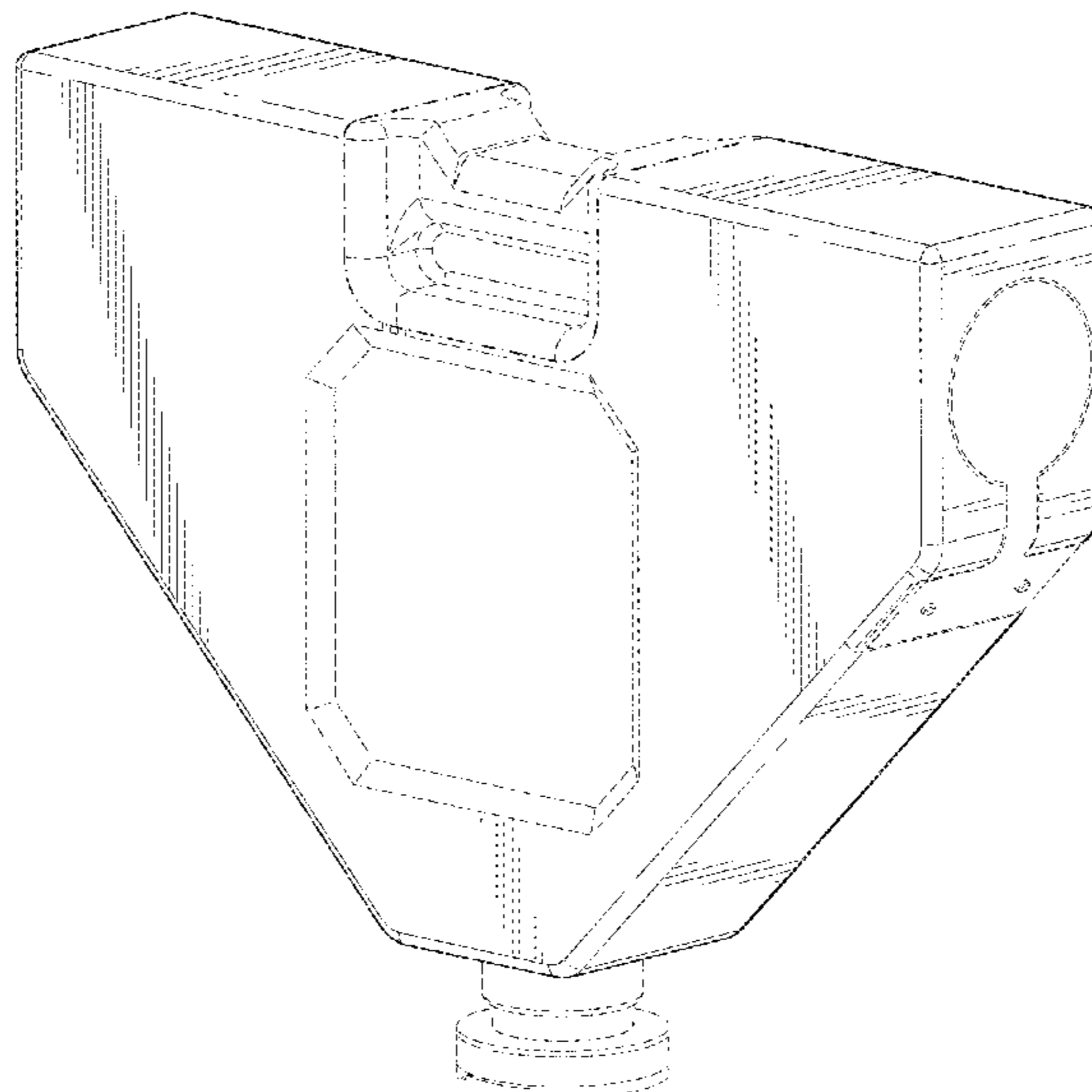
The broken lines consisting of evenly spaced dash lines in the drawings depict parts of the container for dry products that form no part of the claimed design. The broken lines consisting of dash-dot-dash lines in the drawings depict the boundary of the claimed invention and it is understood that the claim extends to the boundary that forms no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

113,591 A 4/1871 Spooner
317,988 A 5/1885 Gibbon
469,999 A 3/1892 Hoos et al.
600,629 A 3/1898 Yaggy
(Continued)

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

781,693 A	2/1905	Tandy		7,694,638 B1	4/2010	Riewerts et al.
825,263 A	7/1906	Jameson et al.		7,916,022 B2	3/2011	Wilcox et al.
861,355 A	7/1907	Brower		8,024,074 B2	9/2011	Stelford et al.
868,300 A	10/1907	Sohner et al.		8,074,585 B2	12/2011	Wilkerson et al.
924,099 A	6/1909	Nelson		8,141,504 B2	3/2012	Dean et al.
931,882 A	8/1909	Martin		8,322,293 B2	12/2012	Wollenhaupt et al.
2,794,407 A	6/1957	Wist et al.		8,336,470 B2	12/2012	Rans
2,823,829 A	2/1958	Frater		8,371,239 B2	2/2013	Rans et al.
3,459,160 A *	8/1969	Rice	F01K 3/10 122/32	8,371,240 B2	2/2013	Wollenhaupt et al.
				8,504,234 B2	8/2013	Anderson
4,009,668 A	3/1977	Brass et al.		8,504,310 B2	8/2013	Landphair et al.
4,497,265 A	2/1985	Hood et al.		8,517,230 B2	8/2013	Memory
4,521,908 A	6/1985	Naotaka et al.		8,600,629 B2	12/2013	Zielke
4,522,340 A	6/1985	Gandrud		8,781,693 B2	7/2014	Woodcock
4,529,073 A	7/1985	Lewis		8,825,263 B1	9/2014	Nelson, Jr.
4,570,858 A	2/1986	Binter et al.		8,868,300 B2	10/2014	Kocer et al.
4,611,606 A	9/1986	Hall et al.		8,924,099 B2	12/2014	Nelson, Jr.
4,691,645 A	9/1987	Anderson		9,113,591 B2	8/2015	Shivak
4,705,220 A	11/1987	Gandrud et al.		9,226,442 B2	1/2016	Grimm et al.
4,895,106 A	1/1990	Barnes		D811,832 S *	3/2018	Rummel D7/700
4,896,615 A	1/1990	Hood, Jr. et al.		9,907,224 B2	3/2018	Rosengren et al.
4,917,304 A	4/1990	Mazzei et al.		9,918,426 B2	3/2018	Grimm et al.
4,971,255 A	11/1990	Conrad		10,111,415 B2	10/2018	Kolb et al.
5,024,173 A	6/1991	Deckler		D841,410 S *	2/2019	Wettlaufer D7/665
5,024,356 A	6/1991	Gerling et al.		10,306,824 B2	6/2019	Nelson et al.
5,029,624 A ‡	7/1991	McCunn	A01C 15/006 137/614.04	D854,238 S *	7/2019	Gould D27/194
				D862,794 S *	10/2019	Wolk D27/187
5,060,701 A	10/1991	McCunn et al.		10,440,878 B2	10/2019	Conrad et al.
5,119,972 A *	6/1992	Reed	B65D 23/10 222/143	10,542,663 B2	1/2020	Rosengren et al.
				10,562,062 B2 *	2/2020	Dobizl F16K 1/205
5,125,438 A	6/1992	McCunn et al.		10,645,866 B2 *	5/2020	Woodruff A01C 15/005
5,220,876 A	6/1993	Monson et al.		D908,277 S *	1/2021	Woodruff D27/162
5,224,577 A	7/1993	Falck et al.		11,039,569 B2 *	6/2021	Woodruff B67D 3/0032
5,301,848 A	4/1994	Conrad et al.		2003/0153446 A1 *	8/2003	Focke B65D 85/1056 493/51
5,379,812 A	1/1995	McCunn et al.		2003/0226484 A1	12/2003	O'neall et al.
5,489,046 A *	2/1996	Wickham	B65D 83/00 222/184	2004/0231575 A1	11/2004	Wilkerson et al.
				2004/0244658 A1	12/2004	Conrad et al.
5,524,794 A	6/1996	Benedetti, Jr. et al.		2007/0193483 A1	8/2007	Conrad
5,539,669 A	7/1996	Goeckner et al.		2007/0266917 A1	11/2007	Riewerts et al.
5,551,606 A *	9/1996	Rai	B67B 7/28 141/329	2010/0101466 A1	4/2010	Riewerts et al.
				2010/0282141 A1	11/2010	Wollenhaupt et al.
5,638,285 A	6/1997	Newton		2010/0282143 A1	11/2010	Preheim et al.
5,641,011 A	6/1997	Benedetti, Jr. et al.		2010/0282144 A1	11/2010	Rans et al.
5,687,782 A	11/1997	Cleveland et al.		2010/0282147 A1	11/2010	Wollenhaupt et al.
5,737,221 A	4/1998	Newton		2011/0035055 A1	2/2011	Applegate et al.
5,740,746 A	4/1998	Ledermann et al.		2011/0054743 A1	3/2011	Kocer et al.
5,931,882 A	8/1999	Fick et al.		2011/0296750 A1	12/2011	Davis et al.
5,947,171 A *	9/1999	Woodruff	B65D 47/265 141/346	2012/0010789 A1	1/2012	Dulnigg
				2012/0042815 A1	2/2012	Wonderlich
5,967,383 A *	10/1999	Hidalgo	A01C 15/00 141/18	2013/0061789 A1	3/2013	Binsirawanich et al.
				2013/0061790 A1	3/2013	Binsirawanich et al.
6,050,309 A *	4/2000	Woodruff	A01M 7/0092 141/346	2013/0085598 A1	4/2013	Kowalchuk
				2013/0152835 A1	6/2013	Stevenson et al.
6,070,539 A	6/2000	Flamme et al.		2013/0192503 A1	8/2013	Henry et al.
6,085,809 A *	7/2000	Woodruff	B65D 81/3211 141/346	2014/0026792 A1	1/2014	Bassett
				2014/0048002 A1	2/2014	Grimm et al.
6,122,581 A	9/2000	McQuinn		2014/0183182 A1	7/2014	Oh et al.
6,198,986 B1	3/2001	McQuinn		2014/0252111 A1	9/2014	Michael et al.
6,216,615 B1	4/2001	Romans		2014/0263705 A1	9/2014	Michael et al.
6,289,829 B1	9/2001	Fish et al.		2014/0263708 A1	9/2014	Thompson et al.
6,296,226 B1	10/2001	Olsen		2014/0263709 A1	9/2014	Kocer et al.
6,435,854 B1	8/2002	Sawa et al.		2014/0277780 A1	9/2014	Jensen et al.
6,672,229 B2	1/2004	Lee et al.		2014/0284400 A1	9/2014	Hebbert et al.
6,748,884 B1	6/2004	Bettin et al.		2015/0094916 A1	4/2015	Bauerer et al.
6,763,773 B2	7/2004	Shaffert et al.		2015/0097707 A1	4/2015	Nelson, Jr. et al.
6,938,564 B2	9/2005	Conrad et al.		2015/0195988 A1	7/2015	Radtke et al.
7,044,294 B2 *	5/2006	Lutzig	B65D 85/10484 206/259	2015/0334912 A1	11/2015	Sauder et al.
				2016/0073576 A1	3/2016	Grimm et al.
7,171,912 B2	2/2007	Fraisse et al.		2016/0374260 A1	12/2016	Kowalchuk
7,171,913 B1	2/2007	Conrad		2017/0000022 A1	1/2017	Conrad
7,270,065 B2	9/2007	Conrad		2018/0049367 A1	2/2018	Garner et al.
7,317,988 B2	1/2008	Johnson		2018/0054958 A1	3/2018	Levy et al.
7,370,589 B2	5/2008	Wilkerson et al.		2018/0177119 A1	6/2018	Grimm et al.
7,380,733 B2	6/2008	Owenby et al.		2018/0359909 A1	12/2018	Conrad et al.
				2019/0053422 A1	2/2019	Holst
				2019/0059204 A1	2/2019	Kowalchuk
				2019/0124907 A1	5/2019	Kolb et al.
				2020/0068794 A1 *	3/2020	Woodruff B67D 3/0087

(56)

References Cited

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

KR	20120039829	A	4/2012
WO	2011025592	A1	3/2011
WO	2013191990	A2	12/2013
WO	2014018717	A1	1/2014
WO	2013191990	A3	2/2014
WO	2015061570	A1	4/2015

OTHER PUBLICATIONS

Screenshot from <http://www.simpas.com/#content-segment-213>, downloaded on Jan. 4, 2019 (1 Page). ‡

Screenshot from <http://www.amvacsmartbox.com/AboutSmartBoxiAboutSmartBoxilabid/103/Default.aspx>, downloaded on Sep. 23, 2016 (1 Page).

Screenshot from <http://www.amvacsmartbox.com/Portals/0/Guides/DropTubes/Drop%20Tube%20-%20John%20Deere%20-%20Reart%20Mount.PD>, downloaded on Jul. 13, 2017 (1 Page).

European Application No. EP-14 85 5768.9, European Extended Search Report and Written Opinion of the European Searching Authority dated May 10, 2017 Attached to Pursuant to Rule 62 EPC and Cited References (92 Pages).

European Application No. EP-19 15 2958, European Search Report and the European Search Opinion of the European Searching Authority dated May 28, 2019 (17 Pages).

Bayercropscience LP, Aztec 4/67% Granular Insecticide for Use in Smartbox System Only, dated Oct. 16, 2003, from https://www3.epa.gov/pesticides/chem_search/ppls/000264-00811-20031016.pdf, downloaded Oct. 31, 2019 (5 Pages).

U.S. Environmental Protection Agency, Notice of Pesticide: Registration, dated Feb. 10, 2009 from https://www3.epa.gov/pesticides/chem_search/ppls/005481-00562-20090210.pdf, downloaded Oct. 31, 2019 (11 Pages).

International Application No. PCT/US2019/46516, International Search Report and the Written Opinion of the International Searching Authority, or the Declaration dated Dec. 4, 2019 (14 Pages).

International Application No. PCT/US2019/48331, International Search Report and the Written Opinion of the International Searching Authority, or the Declaration dated Feb. 10, 2020 (20 Pages).

KR20120039829 Including Translation Thereof as Cited in the ISR & WO for International Application No. PCT/2019/48331 (22 Pages).

International Application No. PCT/US20/50404, International Search Report and the Written Opinion of the International Searching Authority, or the Declaration dated Dec. 9, 2020 (12 Pages).

* cited by examiner

‡ imported from a related application

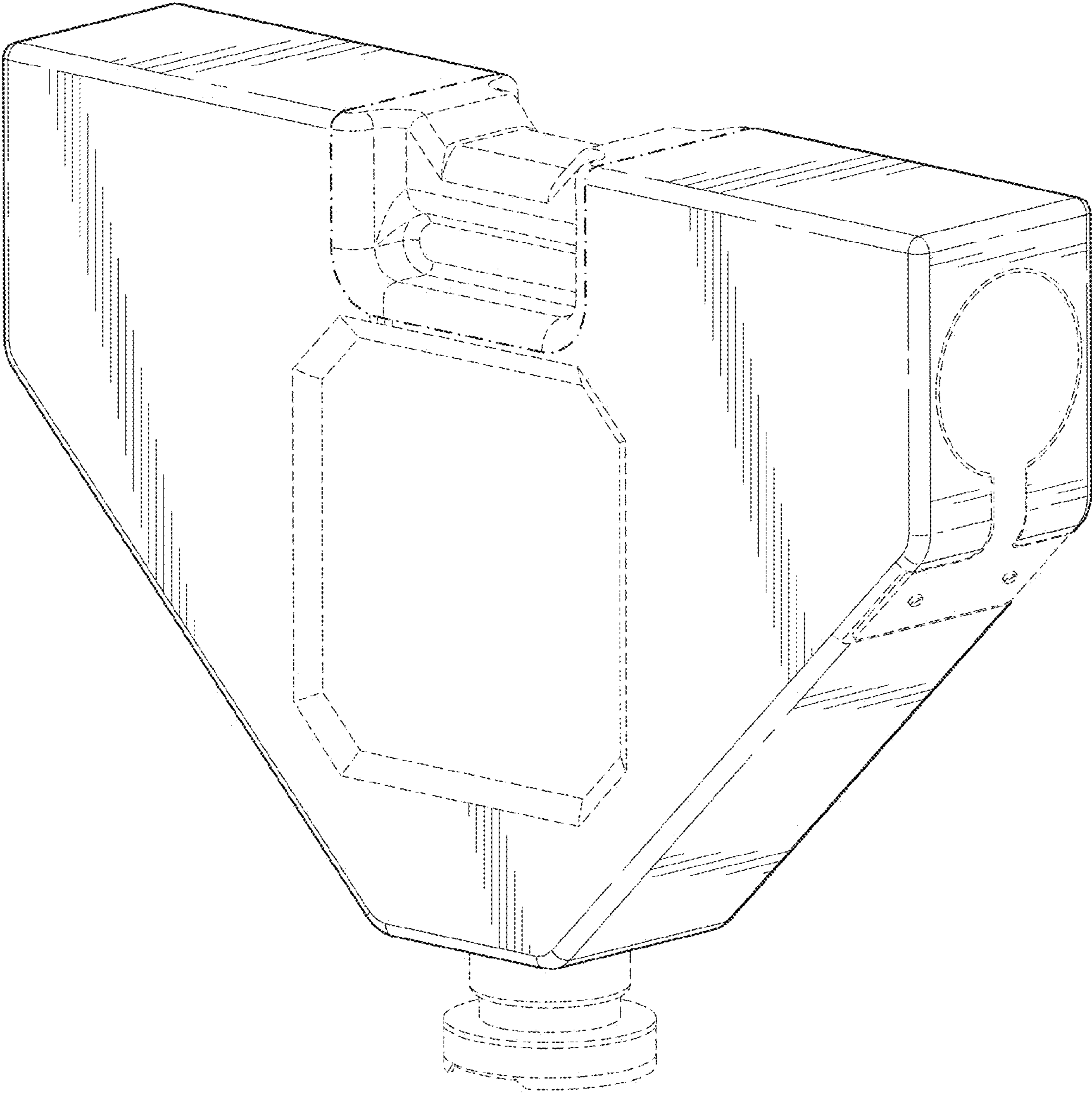


FIG. 1

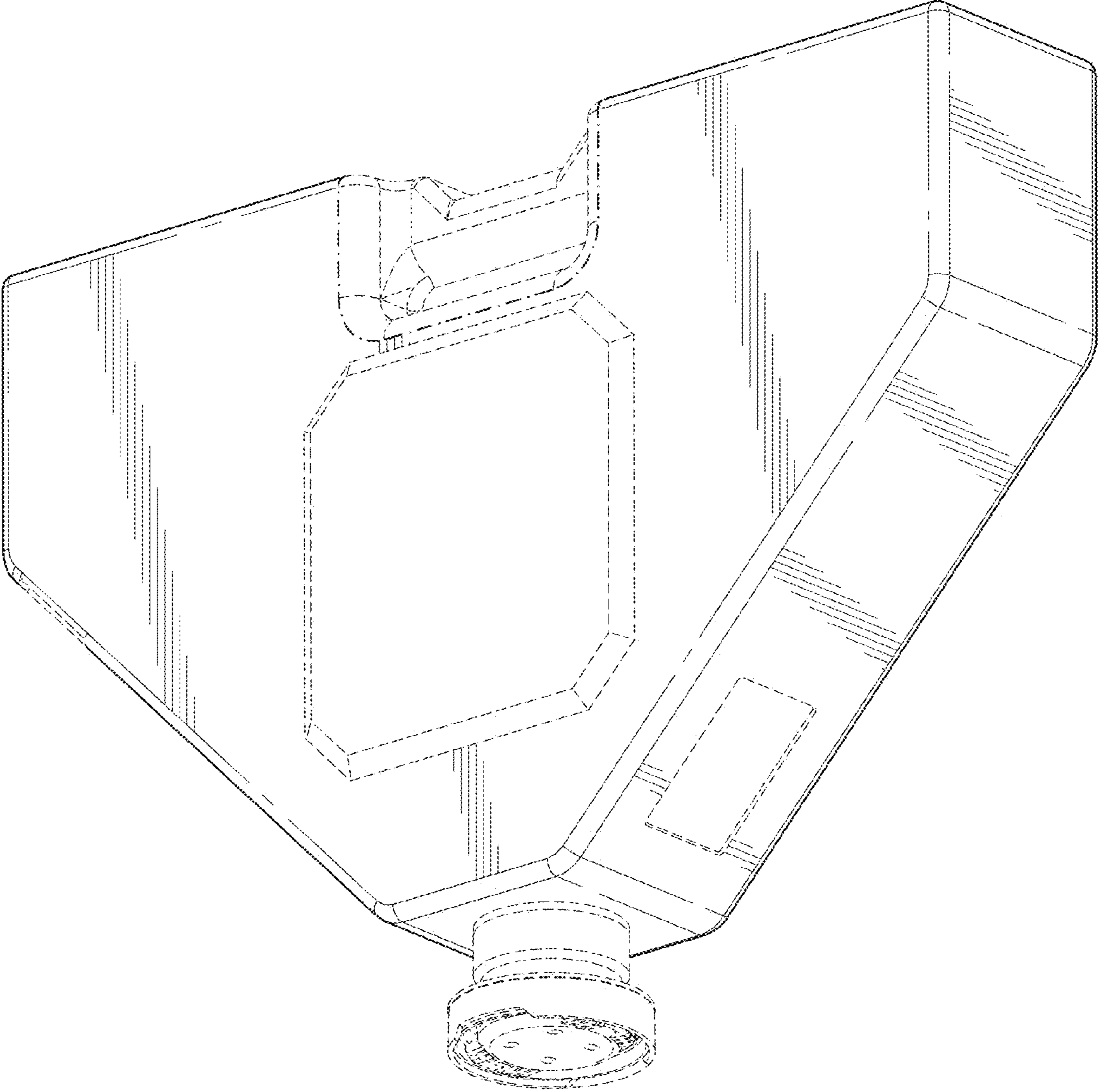


FIG. 2

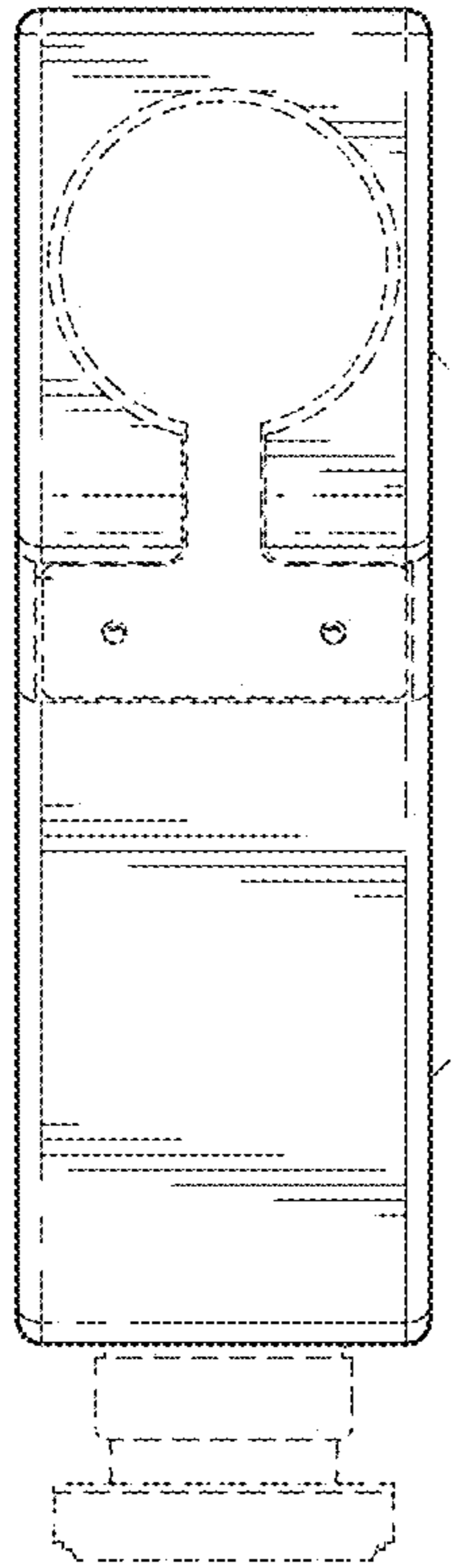


FIG. 3

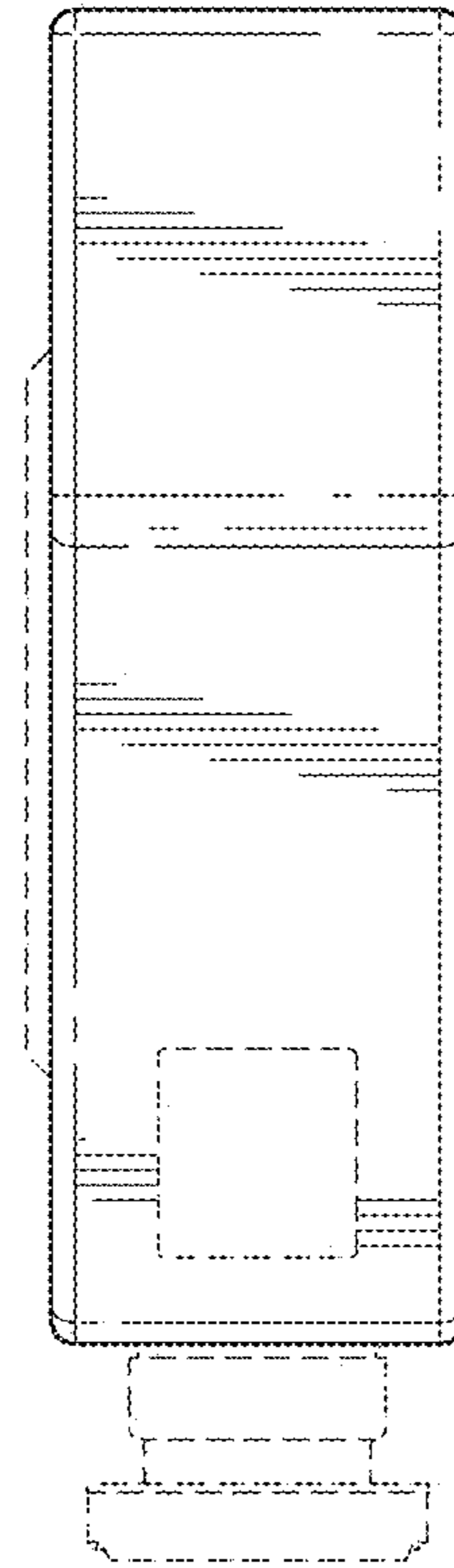


FIG. 4

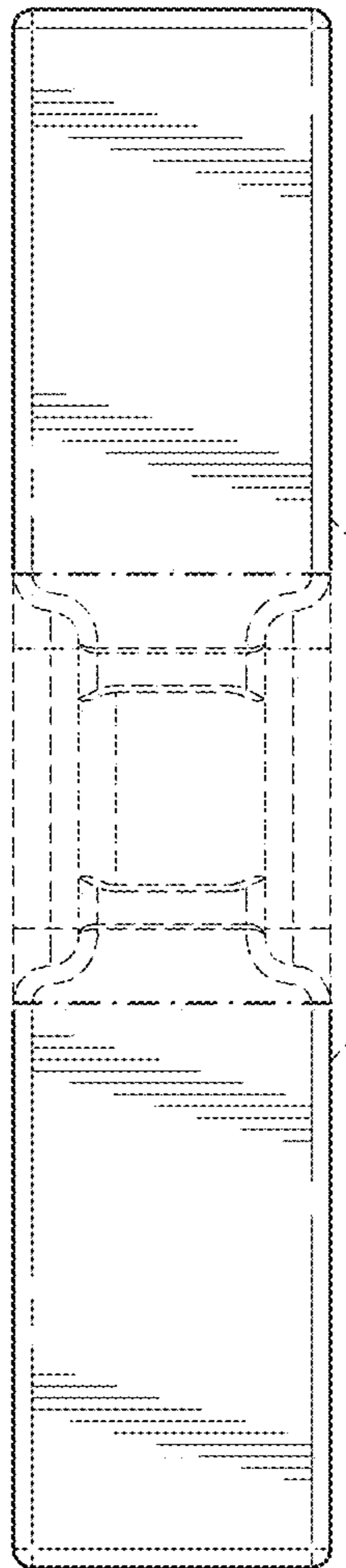


FIG. 5

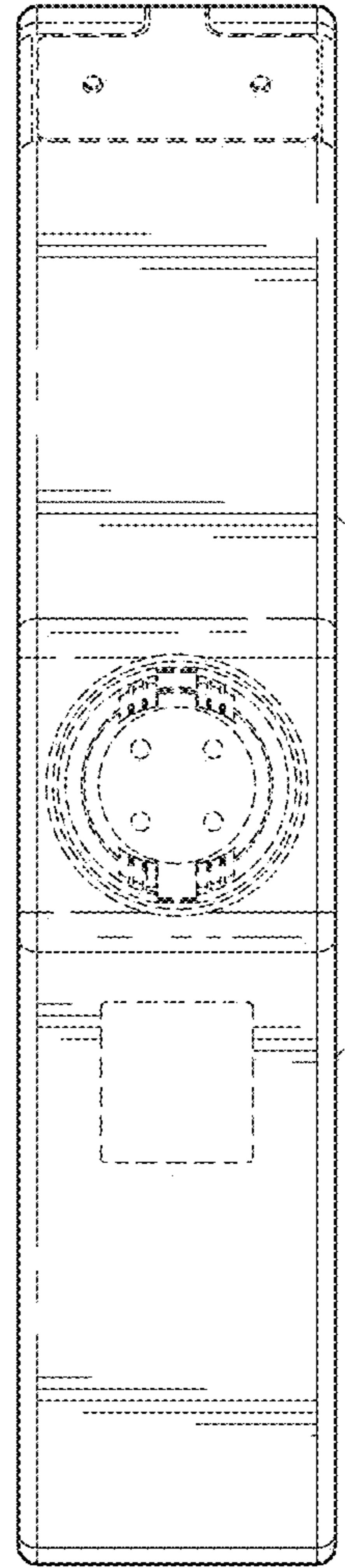


FIG. 6

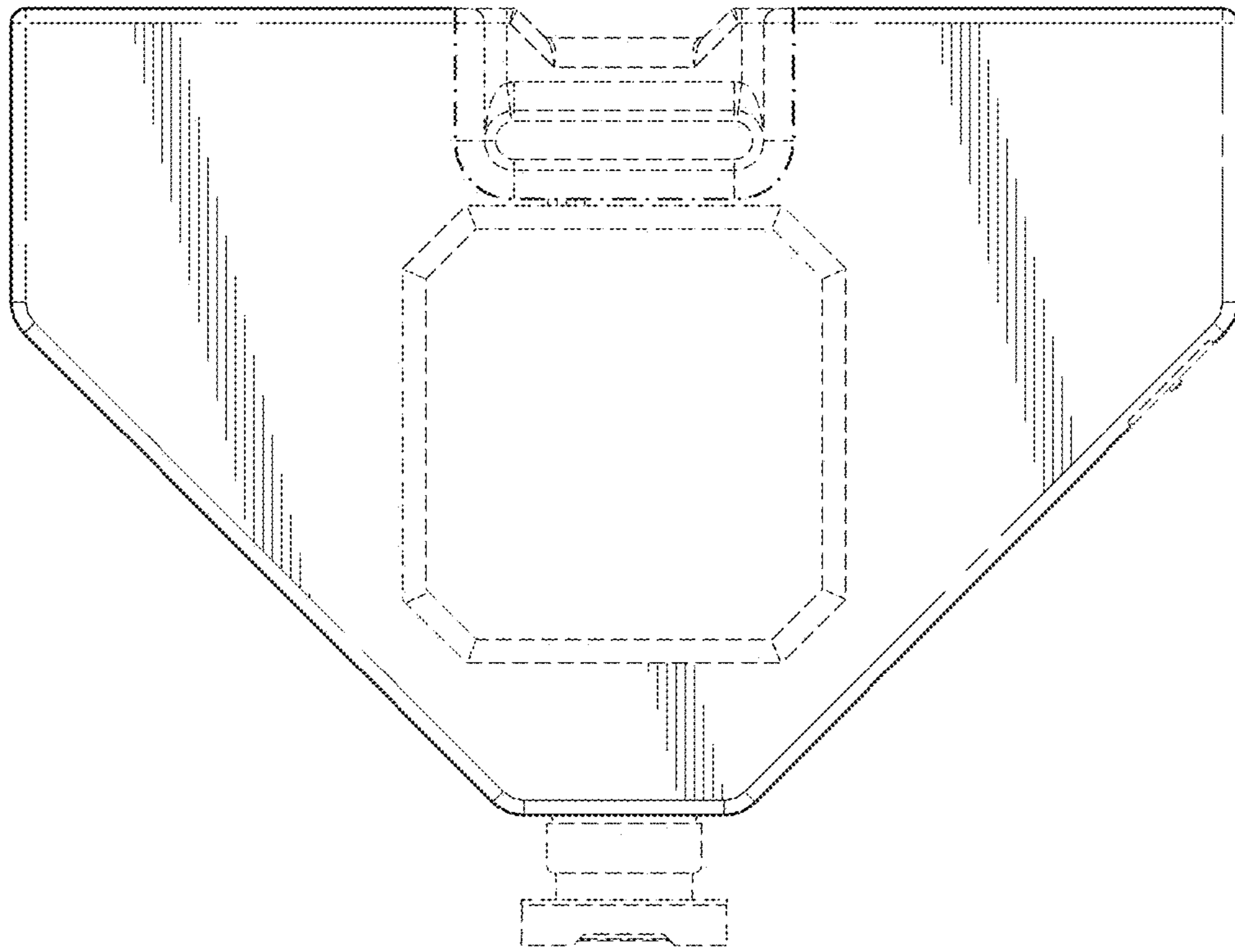


FIG. 7

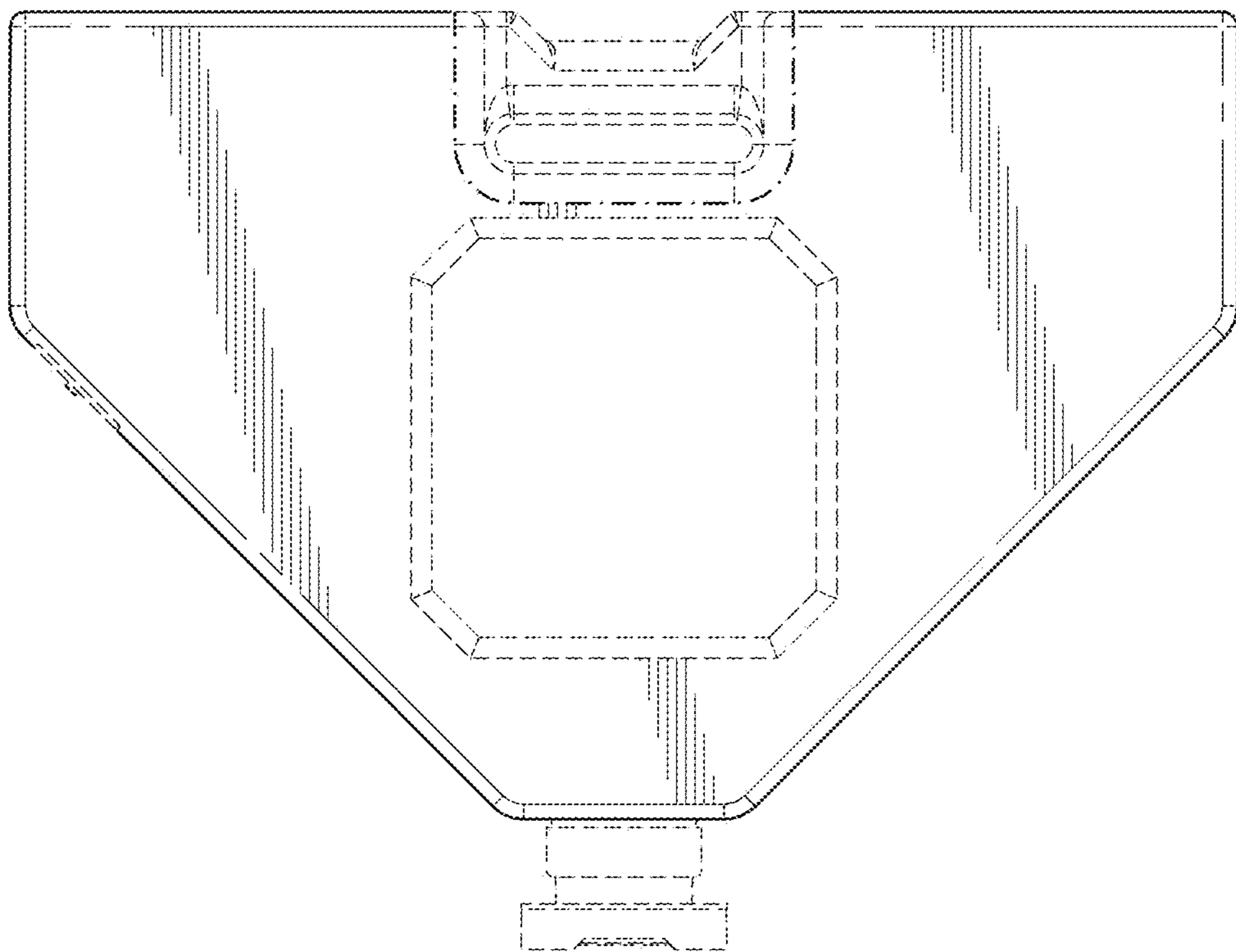


FIG. 8