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(12) **United States Design Patent**
Burrow et al.

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- (54) **AMMUNITION CARTRIDGE**
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- (58) **Field of Classification Search**
USPC D22/115, 116; D11/143; D7/619.1
CPC F42B 5/26-38; F42B 33/00; F42B 8/14
See application file for complete search history.

- 963,911 A 7/1910 Loeble
 - 1,060,817 A 5/1913 Clyne
 - 1,936,905 A 11/1933 Gaidos
 - 1,940,657 A 12/1933 Woodford
 - 2,294,822 A 9/1942 Norman
 - 2,465,962 A 3/1949 Allen et al.
 - 2,654,319 A 10/1953 Roske
- (Continued)

FOREIGN PATENT DOCUMENTS

- CA 2813634 A1 4/2012
 - DE 16742 C 1/1882
- (Continued)

OTHER PUBLICATIONS

YouTube.com—TFB TV, Published on Jul. 23, 2015, [site visited on Mar. 27, 2019], Available on the Internet URL <https://www.youtube.com/watch?v=mCjNkxbxHkEE>.*

(Continued)

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(57) **CLAIM**

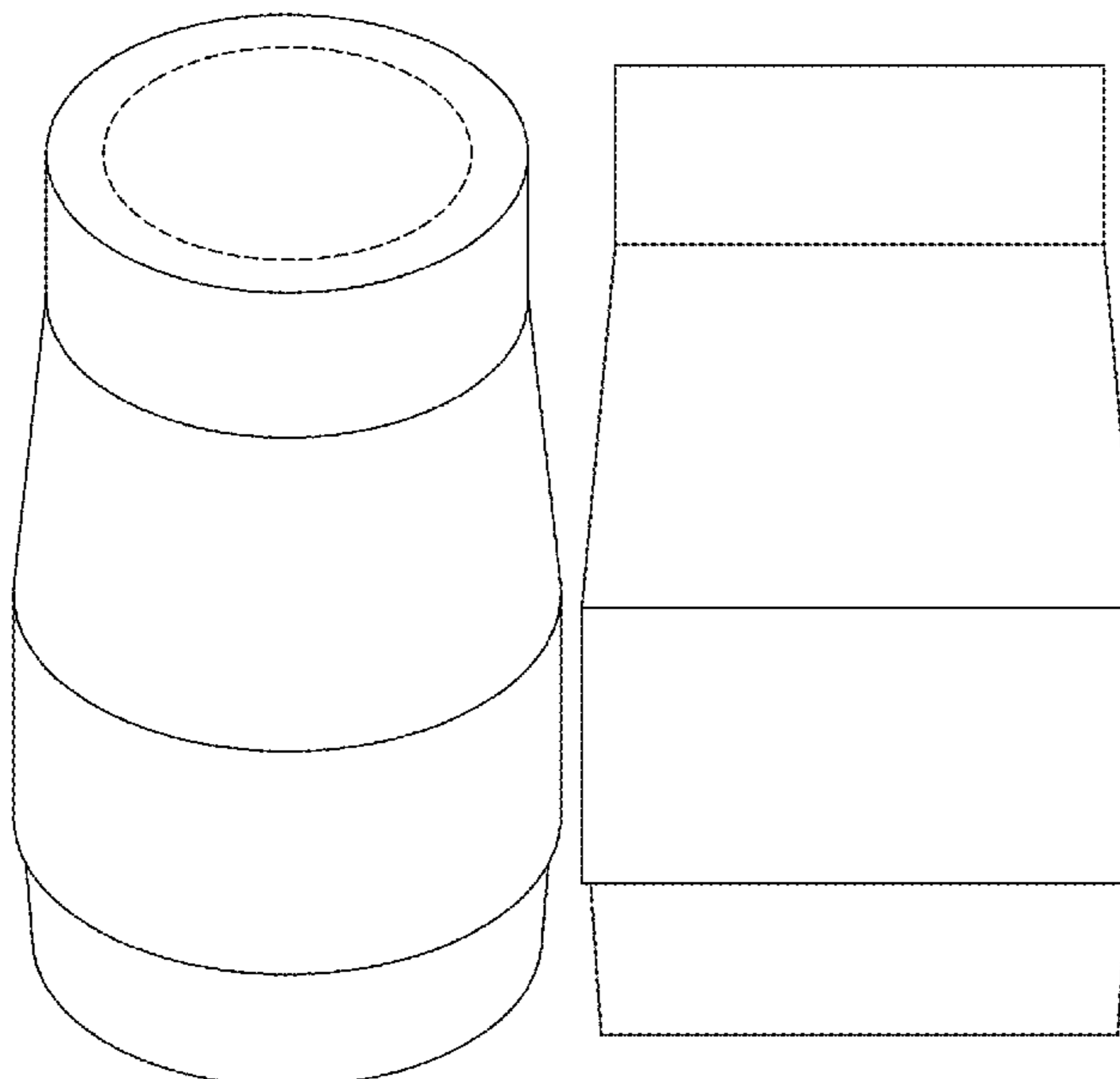
The ornamental design for an ammunition cartridge, as shown and described.

DESCRIPTION

FIG. 1 is an isometric view of an ammunition cartridge showing my new design.
FIG. 2 is a top view of the ammunition cartridge of FIG. 1.
FIG. 3 is a cross-sectional view taken along line 3-3 in FIG. 2 of the ammunition cartridge of FIG. 1; and,
FIG. 4 is a side view of the ammunition cartridge of FIG. 1.
The broken lines depict portions of the ammunition cartridge that form no part of the claim.

1 Claim, 4 Drawing Sheets

- (56) **References Cited**
- U.S. PATENT DOCUMENTS**
- 99,528 A 2/1870 Boyd
- 113,634 A 4/1871 Crispin
- 130,679 A 8/1872 Whitmore
- 159,665 A 2/1875 Gauthey
- 169,807 A 11/1875 Hart
- 462,611 A 11/1891 Comte de Sparre
- 498,856 A 6/1893 Overbaugh
- 640,856 A 1/1900 Bailey
- 662,137 A 11/1900 Telleron
- 676,000 A 6/1901 Henneberg
- 865,979 A 9/1907 Bailey
- 869,046 A 10/1907 Bailey
- 905,358 A 12/1908 Peters
- 957,171 A 5/1910 Loeb



(56)

References Cited

U.S. PATENT DOCUMENTS

2,823,611 A	2/1958	Thayer	
2,862,446 A	12/1958	Lars	
2,918,868 A	12/1959	Lars	
3,099,958 A	8/1963	Daubenspeck et al.	
3,104,498 A *	9/1963	Miller	A01G 9/021 215/12.2
3,128,029 A *	4/1964	Price	B65D 1/265 220/DIG. 14
3,159,701 A	12/1964	Herter	
3,170,401 A	2/1965	Johnson et al.	
3,171,350 A	3/1965	Metcalf et al.	
3,242,789 A	3/1966	Woodring	
3,292,538 A	12/1966	Hans et al.	
3,485,170 A	12/1969	Scanlon	
3,485,173 A	12/1969	Morgan	
3,609,904 A	10/1971	Scanlon	
3,659,528 A	5/1972	Santala	
3,688,699 A	9/1972	Horn et al.	
3,690,256 A	9/1972	Schnitzer	
3,745,924 A	7/1973	Scanlon	
3,749,021 A	7/1973	Burgess	
3,756,156 A	9/1973	Schuster	
3,765,297 A	10/1973	Skochko et al.	
3,768,413 A	10/1973	Ramsay	
3,797,396 A	3/1974	Reed	
3,842,739 A	10/1974	Scanlon et al.	
3,866,536 A	2/1975	Greenberg	
3,874,294 A	4/1975	Hale	
3,955,506 A	5/1976	Luther et al.	
3,977,326 A	8/1976	Anderson et al.	
3,990,366 A	11/1976	Scanlon	
4,020,763 A	5/1977	Iruretagoyena	
4,147,107 A	4/1979	Ringdal	
4,157,684 A	6/1979	Clausser	
4,173,186 A	11/1979	Dunham	
4,187,271 A	2/1980	Rolston et al.	
4,228,724 A	10/1980	Leich	
4,276,830 A	7/1981	Alice	
D263,581 S *	3/1982	Kaye	D13/103
4,475,435 A	10/1984	Mantel	
4,598,445 A	7/1986	O'Connor	
4,614,157 A	9/1986	Grelle et al.	
4,679,505 A	7/1987	Reed	
4,718,348 A	1/1988	Ferrigno	
4,719,859 A	1/1988	Ballreich et al.	
4,726,296 A	2/1988	Leshner et al.	
4,763,576 A	8/1988	Kass et al.	
4,867,065 A	9/1989	Kaltmann et al.	
5,033,386 A	7/1991	Vatsvog	
5,151,555 A	9/1992	Vatsvog	
5,165,040 A	11/1992	Andersson et al.	
5,237,930 A	8/1993	Belanger et al.	
5,259,288 A	11/1993	Vatsvog	
D345,676 S *	4/1994	Biffle	D7/510
5,433,148 A	7/1995	Barratault et al.	
D380,650 S *	7/1997	Norris	D7/619.1
5,679,920 A *	10/1997	Hallis	F42B 12/74 102/398
5,798,478 A	8/1998	Beal	
5,950,063 A	9/1999	Hens et al.	
5,969,288 A	10/1999	Baud	
6,004,682 A	12/1999	Rackovan et al.	
6,048,379 A	4/2000	Bray et al.	
6,070,532 A	6/2000	Halverson	
6,108,974 A *	8/2000	Herzog-Mesrobian	A47G 7/08 47/72
D435,626 S *	12/2000	Benini	D22/100
D439,116 S *	3/2001	White	D7/619.1
D442,833 S *	5/2001	Shuman	D7/608
6,257,149 B1 *	7/2001	Cesaroni	F42B 12/745 102/515
D447,209 S *	8/2001	Benini	D22/116
6,272,993 B1	8/2001	Cook et al.	
6,357,357 B1	3/2002	Glasser	
D455,052 S *	4/2002	Gullickson	D7/619.1
D455,320 S *	4/2002	Edelstein	D7/619.1
6,375,971 B1	4/2002	Hansen	
6,382,449 B1 *	5/2002	Kazmierski	B65D 3/14 220/4.03
6,450,099 B1	9/2002	Desgland	
6,460,464 B1	10/2002	Attarwala	
6,523,476 B1	2/2003	Riess et al.	
D478,530 S *	8/2003	Sachuk	D11/143
6,708,621 B1	3/2004	Forichon-Chaumet et al.	
6,752,084 B1	6/2004	Husseini et al.	
6,840,149 B2	1/2005	Beal	
7,032,492 B2	4/2006	Meshirer	
D540,710 S *	4/2007	Charrin	D11/147
7,204,191 B2	4/2007	Wiley et al.	
7,213,519 B2	5/2007	Wiley et al.	
7,231,519 B2	6/2007	Joseph et al.	
7,232,473 B2	6/2007	Elliott	
7,299,750 B2	11/2007	Schikora et al.	
7,353,756 B2	4/2008	Leasure	
7,392,746 B2	7/2008	Hansen	
D583,927 S *	12/2008	Benner	D24/106
7,461,597 B2	12/2008	Brunn	
7,585,166 B2	9/2009	Buja	
7,610,858 B2	11/2009	Chung	
7,750,091 B2	7/2010	Maljkovic et al.	
D626,619 S *	11/2010	Gogol	D22/116
D631,699 S *	2/2011	Moreau	D7/509
D633,166 S *	2/2011	Richardson	D22/116
7,930,977 B2	4/2011	Klein	
8,007,370 B2	8/2011	Hirsch et al.	
8,056,232 B2	11/2011	Patel et al.	
8,156,870 B2	4/2012	South	
8,201,867 B2	6/2012	Thomeczek	
8,206,522 B2	6/2012	Sandstrom et al.	
8,240,252 B2	8/2012	Maljkovic et al.	
D675,882 S *	2/2013	Crockett	D7/601
8,408,137 B2	4/2013	Battaglia	
D683,419 S *	5/2013	Rebar	D22/116
8,443,729 B2	5/2013	Mittelstaedt	
8,443,730 B2	5/2013	Padgett	
8,511,233 B2	8/2013	Nilsson	
D689,975 S *	9/2013	Carlson	D22/116
8,522,684 B2	9/2013	Davies et al.	
8,540,828 B2	9/2013	Busky et al.	
8,561,543 B2	10/2013	Burrow	
8,573,126 B2	11/2013	Klein et al.	
8,641,842 B2	2/2014	Hafner et al.	
8,689,696 B1	4/2014	Seeman et al.	
8,763,535 B2	7/2014	Padgett	
8,790,455 B2	7/2014	Borissov et al.	
8,807,008 B2	8/2014	Padgett et al.	
8,813,650 B2	8/2014	Maljkovic et al.	
D715,888 S	10/2014	Padgett	
8,850,985 B2	10/2014	Maljkovic et al.	
8,857,343 B2	10/2014	Marx	
8,869,702 B2	10/2014	Padgett	
D717,909 S *	11/2014	Thrift	D22/116
8,875,633 B2	11/2014	Padgett	
8,893,621 B1	11/2014	Escobar	
D723,418 S *	3/2015	Thuma	D11/143
8,978,559 B2	3/2015	Davies et al.	
9,003,973 B1	4/2015	Padgett	
9,032,855 B1	5/2015	Foren et al.	
9,091,516 B2	7/2015	Davies et al.	
9,103,641 B2	8/2015	Nielson et al.	
9,157,709 B2	10/2015	Nuetzman et al.	
9,170,080 B2	10/2015	Poore et al.	
9,182,204 B2	11/2015	Maljkovic et al.	
9,188,412 B2	11/2015	Maljkovic et al.	
9,200,157 B2	12/2015	El-Hibri et al.	
9,200,880 B1	12/2015	Foren et al.	
9,212,876 B1	12/2015	Kostka et al.	
9,212,879 B2	12/2015	Whitworth	
9,213,175 B2	12/2015	Arnold	
9,254,503 B2	2/2016	Ward	
9,255,775 B1	2/2016	Rubin	
D752,397 S *	3/2016	Seiders	D7/608

(56)

References Cited

U.S. PATENT DOCUMENTS

D754,223	S *	4/2016	Pederson	.....	D15/90	10,048,052	B2	8/2018	Burrow	
9,329,004	B2	5/2016	Pace			10,054,413	B1	8/2018	Burrow	
9,335,137	B2	5/2016	Maljkovic et al.			D828,483	S	9/2018	Burrow	
9,337,278	B1	5/2016	Gu et al.			D832,037	S *	10/2018	Gallagher	..... D7/397
9,347,457	B2	5/2016	Ahrens et al.			D834,447	S *	11/2018	van Smirren	..... A47G 7/07
9,366,512	B2	6/2016	Burczynski et al.							D11/143
9,377,278	B2	6/2016	Rubin			D839,676	S *	2/2019	Seiders	..... D7/523
9,389,052	B2	7/2016	Conroy et al.			D839,677	S *	2/2019	Seiders	..... D7/523
9,395,165	B2	7/2016	Maljkovic et al.			D843,788	S *	3/2019	Boroski	..... D7/608
D764,624	S	8/2016	Masinelli			10,234,249	B2 *	3/2019	Burrow	..... F42B 5/307
D765,214	S	8/2016	Padgett			10,234,253	B2 *	3/2019	Burrow	..... F42B 5/307
9,429,407	B2	8/2016	Burrow			10,240,905	B2 *	3/2019	Burrow	..... F42B 5/307
9,441,930	B2	9/2016	Burrow			10,254,096	B2 *	4/2019	Burrow	..... F42B 33/001
9,453,714	B2	9/2016	Bosarge et al.			2005/0192835	A1 *	9/2005	Kuo	..... G06Q 50/22
D773,009	S *	11/2016	Bowers	.....	D22/116					705/2
9,500,453	B2	11/2016	Schluckebier et al.			2006/0283345	A1 *	12/2006	Feldman	..... F42B 12/365
9,506,735	B1	11/2016	Burrow							102/430
D773,250	S *	12/2016	Miller	.....	D7/523	2007/0056343	A1	3/2007	Cremonesi	
D774,824	S *	12/2016	Gallagher	.....	D7/313	2007/0181029	A1 *	8/2007	Mcaninch	..... F41B 11/00
9,513,096	B2	12/2016	Burrow							102/430
9,518,810	B1	12/2016	Burrow			2007/0204511	A1 *	9/2007	Lee	..... A47G 7/06
9,523,563	B1	12/2016	Burrow							47/66.1
9,528,799	B2	12/2016	Maljkovic			2010/0234132	A1	9/2010	Hirsch et al.	
9,546,849	B2	1/2017	Burrow			2011/0036000	A1 *	2/2011	Verdecia	..... A47G 7/06
9,551,557	B1	1/2017	Burrow							47/41.1
D778,391	S	2/2017	Burrow			2011/0179965	A1	7/2011	Mason	
D778,393	S	2/2017	Burrow			2012/0111219	A1 *	5/2012	Burrow	..... F42B 5/307
D778,394	S	2/2017	Burrow							102/467
D778,395	S	2/2017	Burrow			2012/0180685	A1 *	7/2012	O	..... F42B 8/14
D779,021	S	2/2017	Burrow							102/334
D779,024	S	2/2017	Burrow			2012/0291655	A1 *	11/2012	Jones	..... F42B 8/14
D780,283	S *	2/2017	Burrow	.....	D22/116					102/502
D780,533	S *	3/2017	Seiders	.....	D7/608	2013/0186294	A1 *	7/2013	Davies	..... F42B 5/307
9,587,918	B1	3/2017	Burrow							102/467
9,599,443	B2	3/2017	Padgett et al.			2013/0291711	A1	11/2013	Mason	
D784,137	S *	4/2017	Cates	.....	D9/500	2014/0260925	A1	9/2014	Beach et al.	
9,625,241	B2	4/2017	Neugebauer			2014/0261044	A1 *	9/2014	Seecamp	..... F42B 12/36
9,631,907	B2	4/2017	Burrow							102/464
D786,025	S *	5/2017	Seiders	.....	D7/606	2014/0311332	A1 *	10/2014	Carlson	..... F42B 5/045
9,644,930	B1	5/2017	Burrow							89/191.01
9,658,042	B2	5/2017	Emary			2015/0226220	A1	8/2015	Bevington	
D788,636	S *	6/2017	Paternostre	.....	D11/143	2016/0003589	A1	1/2016	Burrow	
D790,392	S *	6/2017	Paternostre	.....	D11/143	2016/0003590	A1	1/2016	Burrow	
9,683,818	B2	6/2017	Lemke et al.			2016/0003593	A1	1/2016	Burrow	
9,709,368	B2	7/2017	Mahnke			2016/0003594	A1	1/2016	Burrow	
D793,172	S *	8/2017	Medina	.....	D7/624.2	2016/0003595	A1	1/2016	Burrow	
D797,880	S *	9/2017	Seecamp	.....	D22/116	2016/0003595	A1	1/2016	Burrow	
9,759,554	B2	9/2017	Ng et al.			2016/0003596	A1	1/2016	Burrow	
D800,244	S *	10/2017	Burczynski	.....	D22/115	2016/0003597	A1	1/2016	Burrow	
D800,245	S *	10/2017	Burczynski	.....	D22/115	2016/0003601	A1	1/2016	Burrow	
D800,246	S *	10/2017	Burczynski	.....	D22/115	2016/0033241	A1	2/2016	Burrow	
9,784,667	B2	10/2017	Lukay et al.			2016/0102030	A1	4/2016	Coffey et al.	
D801,753	S *	11/2017	Piper	.....	D7/624.2	2016/0245626	A1	8/2016	Drieling et al.	
D805,856	S *	12/2017	Rivera	.....	D7/624.2	2016/0265886	A1 *	9/2016	Aldrich	..... F42B 5/30
9,835,423	B2	12/2017	Burrow			2016/0349022	A1 *	12/2016	Burrow	..... F42B 5/307
9,835,427	B2	12/2017	Burrow			2016/0349023	A1	12/2016	Burrow	
9,857,151	B2	1/2018	Dionne et al.			2016/0349028	A1	12/2016	Burrow	
9,869,536	B2	1/2018	Burrow			2016/0356581	A1 *	12/2016	Burrow	..... F42B 5/36
9,879,954	B2	1/2018	Hajjar			2016/0356588	A1	12/2016	Burrow	
9,885,551	B2	2/2018	Burrow			2016/0377399	A1	12/2016	Burrow	
D813,975	S *	3/2018	White	.....	D22/116	2017/0080498	A1	3/2017	Burrow	
9,921,040	B2	3/2018	Rubin			2017/0082409	A1	3/2017	Burrow	
9,927,219	B2	3/2018	Burrow			2017/0082411	A1	3/2017	Burrow	
9,933,241	B2	4/2018	Burrow			2017/0089673	A1	3/2017	Burrow	
9,939,236	B2	4/2018	Drobockyi et al.			2017/0089674	A1 *	3/2017	Burrow	..... F42B 5/02
9,964,388	B1	5/2018	Burrow			2017/0089675	A1	3/2017	Burrow	
D821,536	S *	6/2018	Christiansen	.....	D22/116	2017/0089679	A1 *	3/2017	Burrow	..... F42B 33/001
9,989,339	B2	6/2018	Riess			2017/0115105	A1 *	4/2017	Burrow	..... F42B 33/001
D824,732	S *	8/2018	Hsiao	.....	D7/624.2	2017/0153099	A9	6/2017	Burrow	
10,041,770	B2	8/2018	Burrow			2017/0205217	A9	7/2017	Burrow	
10,041,771	B1	8/2018	Burrow			2017/0261299	A1 *	9/2017	Burrow	..... F42C 19/083
10,041,776	B1	8/2018	Burrow			2017/0299352	A9	10/2017	Burrow	
10,041,777	B1	8/2018	Burrow			2018/0066925	A1	3/2018	Skowron et al.	
10,048,049	B2	8/2018	Burrow			2018/0106581	A1 *	4/2018	Rogers	..... F42B 12/367
10,048,050	B1	8/2018	Burrow			2018/0224252	A1 *	8/2018	O'Rourke	..... F42B 12/40
						2018/0224253	A1	8/2018	Burrow	
						2018/0259310	A1	9/2018	Burrow	
						2018/0306558	A1	10/2018	Padgett et al.	
						2019/0011232	A1	1/2019	Boss et al.	

(56)

References Cited

U.S. PATENT DOCUMENTS

2019/0011233 A1 1/2019 Boss et al.
 2019/0011234 A1* 1/2019 Boss F42B 33/00
 2019/0011235 A1 1/2019 Boss et al.
 2019/0011236 A1 1/2019 Burrow
 2019/0011237 A1 1/2019 Burrow
 2019/0011238 A1 1/2019 Burrow
 2019/0011239 A1 1/2019 Burrow
 2019/0011240 A1 1/2019 Burrow
 2019/0011241 A1 1/2019 Burrow
 2019/0107375 A1* 4/2019 Burrow F42B 33/001

FOREIGN PATENT DOCUMENTS

EP 2625486 A4 8/2017
 FR 1412414 A 10/1965
 GB 783023 A 9/1957
 WO 0034732 6/2000
 WO 2007014024 A2 2/2007
 WO 2012047615 A1 4/2012
 WO 2012097320 A1 7/2012
 WO 2012097317 A3 11/2012
 WO 2013070250 A1 5/2013

WO 2013096848 A1 6/2013
 WO 2014062256 A2 4/2014
 WO 2016003817 A1 1/2016

OTHER PUBLICATIONS

Luck Gunner.com, Review: Polymer Cased Rifle Ammunition from PCP Ammo, Published Jan. 6, 2014, [site visited Mar. 27, 2019], Available on the Internet URL <https://www.luckygunner.com/lounge/pcp-ammo-review/>.
 International Ammunition Association, Inc. website, Published in Apr. 2017, PCP Ammo Variation in U.S. Military Polymer/Metal Cartridge Case R&D, [site visited Mar. 29, 2019], Available on the Internet URL <https://forum.cartridgecollectors.org/t/pcp-ammo-variation-in-u-s-military-polymer-metal-cartridge-case-r-d/24400>.
 AccurateShooter.com Daily Bulletin “New PolyCase Ammunition and Injection-Molded Bullets” Jan. 11, 2015.
 Korean Intellectual Property Office (ISA), International Search Report and Written Opinion for PCT/US2011/062781 dated Nov. 30, 2012, 16 pp.
 Korean Intellectual Property Office (ISA), International Search Report and Written Opinion for PCT/US2015/038061 dated Sep. 21, 2015, 28 pages.

* cited by examiner

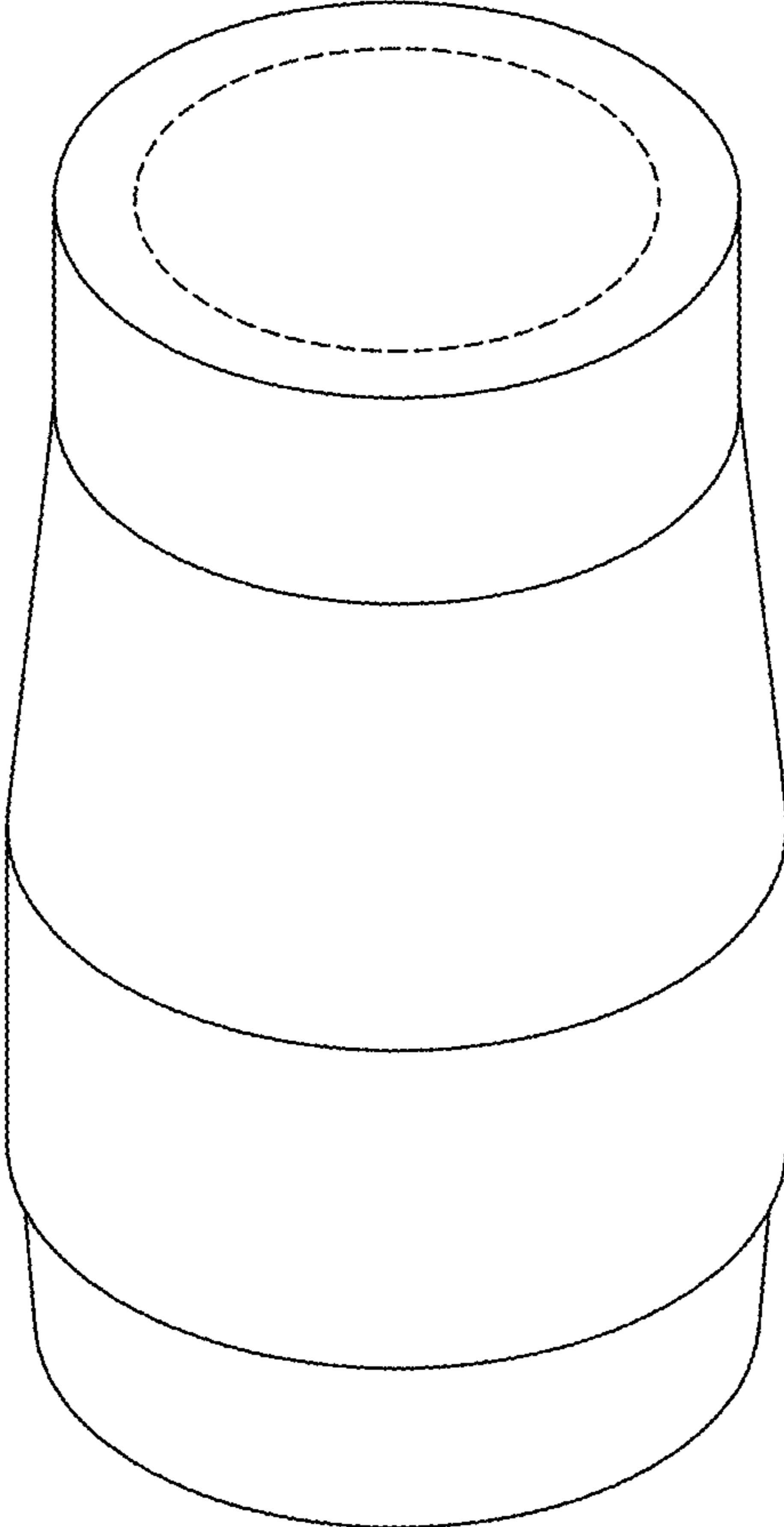


FIG. 1

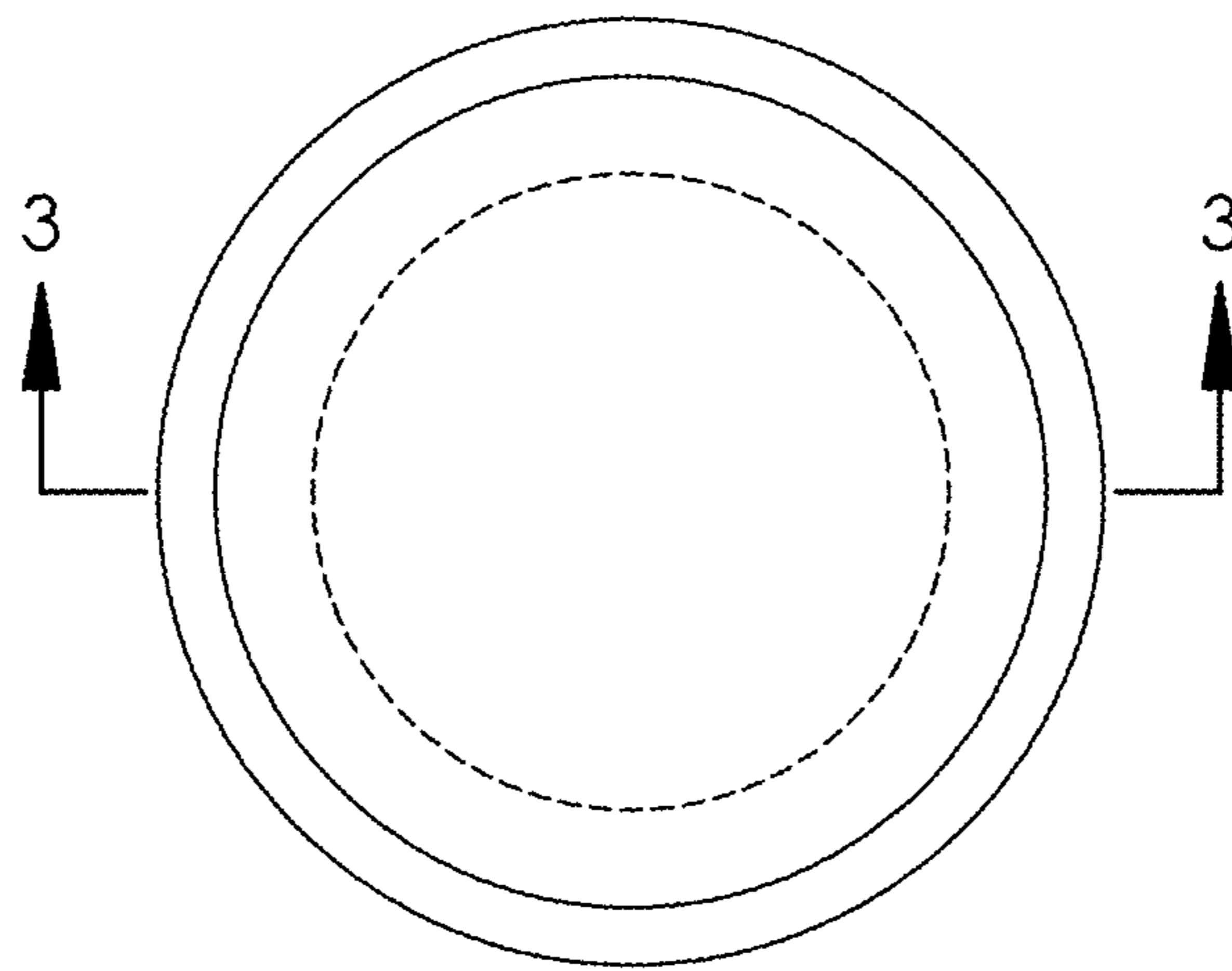


FIG. 2

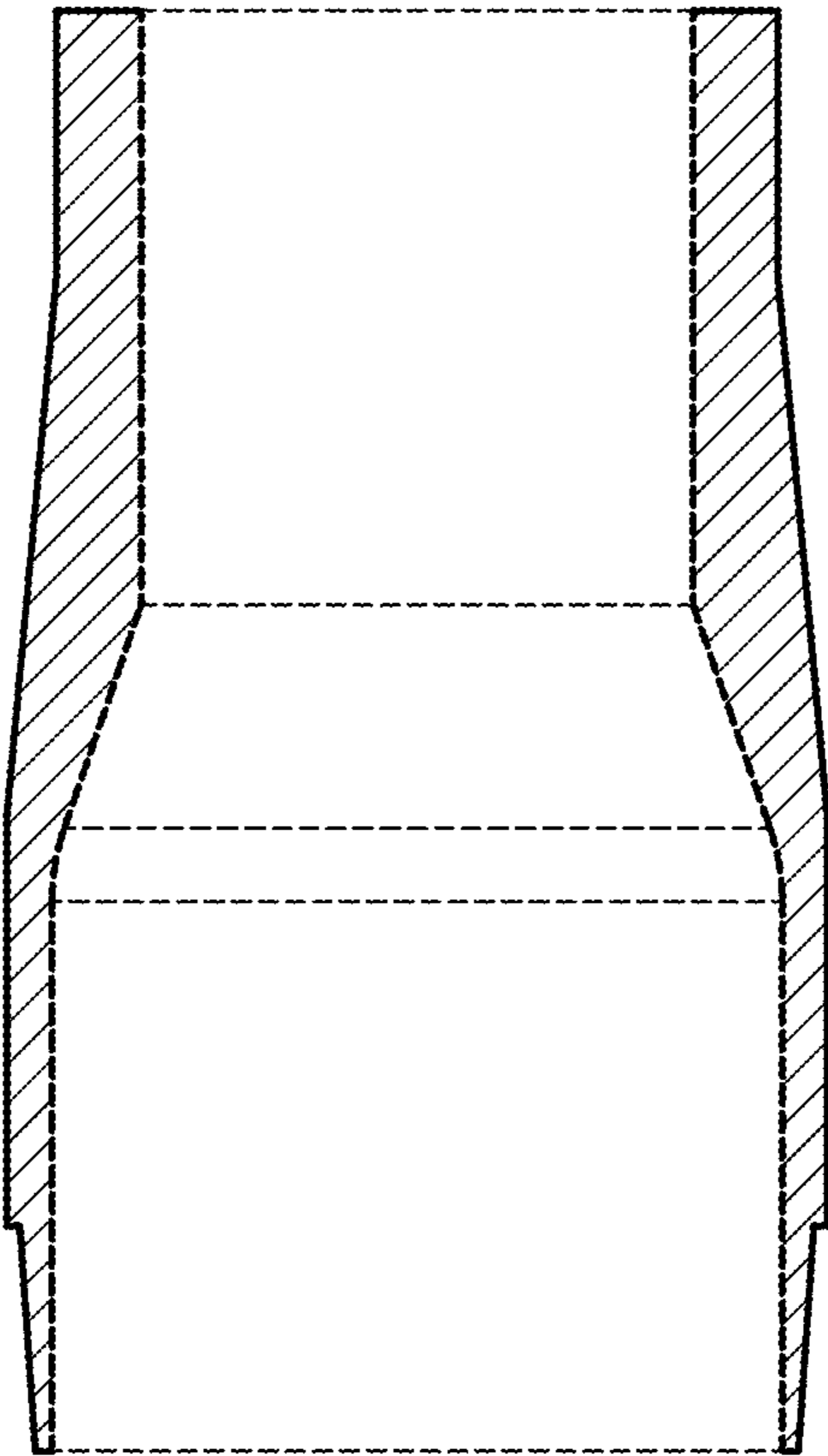


FIG. 3

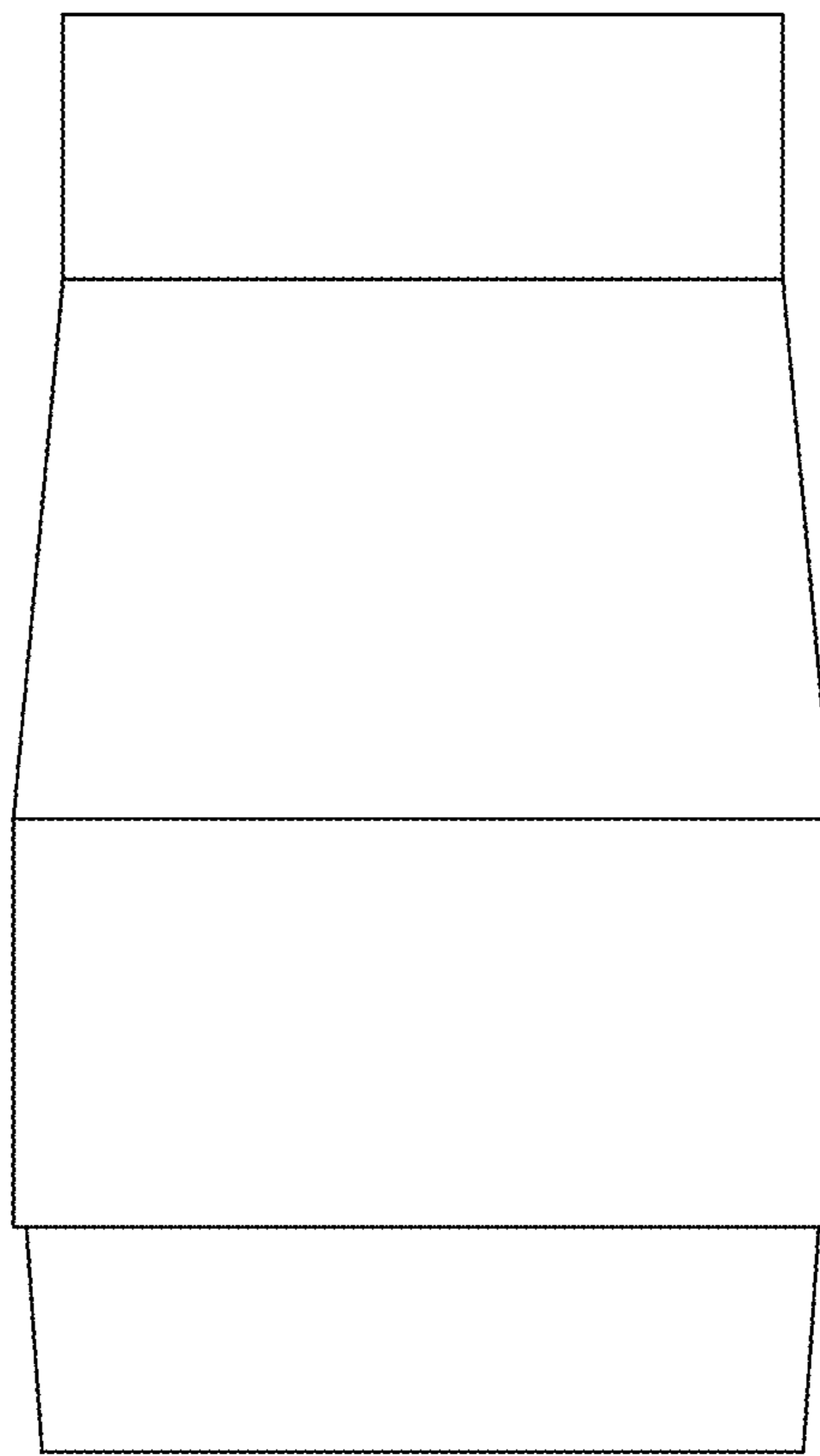


FIG. 4