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(12) **United States Design Patent** (10) **Patent No.:** **US D882,019 S**
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- (54) **AMMUNITION CARTRIDGE**
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- (*) Notice: This patent is subject to a terminal disclaimer.
- (**) Term: **15 Years**
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- (52) **U.S. Cl.**
USPC **D22/116**
- (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.

- 905,358 A 12/1908 Peters
- 957,171 A 5/1910 Loeb
- 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
- (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=mCjNkxbHkEE>.*

(Continued)

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(57) **CLAIM**

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

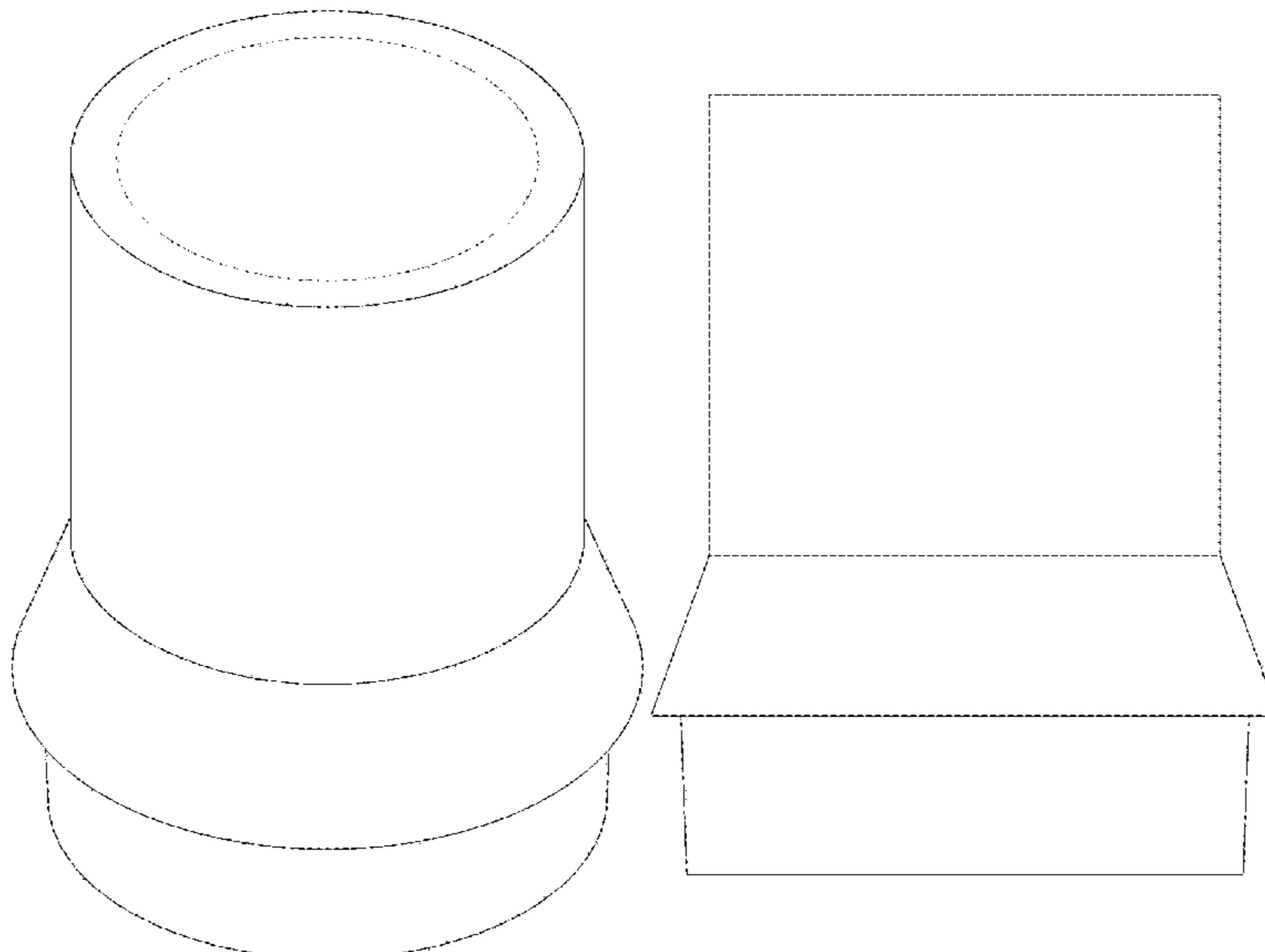
DESCRIPTION

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 FIGS. 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 Kaltmann et al.
- 640,856 A 1/1900 Bailey
- 662,137 A 11/1900 Tellerson
- 676,000 A 6/1901 Henneberg
- 865,979 A 9/1907 Bailey
- 869,046 A 10/1907 Bailey



(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | |
|----------------|---------|--|--------------|---------|---------------------------|
| 2,465,962 A | 3/1949 | Allen et al. | 6,357,357 B1 | 3/2002 | Glasser |
| 2,654,319 A | 10/1953 | Roske | D455,052 S * | 4/2002 | Gullickson D7/619.1 |
| 2,823,611 A | 2/1958 | Thayer | D455,320 S * | 4/2002 | Edelstein D7/619.1 |
| 2,862,446 A | 12/1958 | Lars | 6,375,971 B1 | 4/2002 | Hansen |
| 2,918,868 A | 12/1959 | Lars | 6,450,099 B1 | 9/2002 | Desglan |
| 3,099,958 A | 8/1963 | Daubenspeck et al. | 6,460,464 B1 | 10/2002 | Attarwala |
| 3,104,498 A * | 9/1963 | Miller A01G 9/021 215/12.2 | 6,523,476 B1 | 2/2003 | Riess et al. |
| 3,159,701 A | 12/1964 | Herter | D478,530 S * | 8/2003 | Sachuk D11/143 |
| 3,170,401 A | 2/1965 | Johnson et al. | 6,708,621 B1 | 3/2004 | Forichon-Chaumet et al. |
| 3,171,350 A | 3/1965 | Metcalf et al. | 6,752,084 B1 | 6/2004 | Husseini et al. |
| 3,242,789 A | 3/1966 | Woodring | 6,840,149 B2 | 1/2005 | Beal |
| 3,292,538 A | 12/1966 | Hans et al. | 7,032,492 B2 | 4/2006 | Meshirer |
| 3,485,170 A | 12/1969 | Scanlon | D540,710 S * | 4/2007 | Charrin D11/147 |
| 3,485,173 A | 12/1969 | Morgan | 7,204,191 B2 | 4/2007 | Wiley et al. |
| 3,609,904 A | 10/1971 | Scanlon | 7,213,519 B2 | 5/2007 | Wiley et al. |
| 3,659,528 A | 5/1972 | Santala | 7,231,519 B2 | 6/2007 | Joseph et al. |
| 3,688,699 A | 9/1972 | Horn et al. | 7,232,473 B2 | 6/2007 | Elliott |
| 3,690,256 A | 9/1972 | Schnitzer | 7,299,750 B2 | 11/2007 | Schikora et al. |
| 3,745,924 A | 7/1973 | Scanlon | 7,353,756 B2 | 4/2008 | Leasure |
| 3,749,021 A | 7/1973 | Burgess | 7,392,746 B2 | 7/2008 | Hansen |
| 3,756,156 A | 9/1973 | Schuster | D583,927 S * | 12/2008 | Benner D24/106 |
| 3,765,297 A | 10/1973 | Skochko et al. | 7,461,597 B2 | 12/2008 | Brunn |
| 3,768,413 A | 10/1973 | Ramsay | 7,585,166 B2 | 9/2009 | Buja |
| 3,797,396 A | 3/1974 | Reed | 7,610,858 B2 | 11/2009 | Chung |
| 3,842,739 A | 10/1974 | Scanlon et al. | 7,750,091 B2 | 7/2010 | Maljkovic et al. |
| 3,866,536 A | 2/1975 | Greenberg | D626,619 S * | 11/2010 | Gogol D22/116 |
| 3,874,294 A | 4/1975 | Hale | D631,699 S * | 2/2011 | Moreau D7/509 |
| 3,955,506 A | 5/1976 | Luther et al. | D633,166 S * | 2/2011 | Richardson D22/116 |
| 3,977,326 A | 8/1976 | Anderson et al. | 7,930,977 B2 | 4/2011 | Klein |
| 3,990,366 A | 11/1976 | Scanlon | 8,007,370 B2 | 8/2011 | Hirsch et al. |
| 4,020,763 A | 5/1977 | Iruretagoyena | 8,056,232 B2 | 11/2011 | Patel et al. |
| 4,147,107 A | 4/1979 | Ringdal | 8,156,870 B2 | 4/2012 | South |
| 4,157,684 A | 6/1979 | Clausser | 8,201,867 B2 | 6/2012 | Thomeczek |
| 4,173,186 A | 11/1979 | Dunham | 8,206,522 B2 | 6/2012 | Sandstrom et al. |
| 4,187,271 A | 2/1980 | Rolston et al. | 8,240,252 B2 | 8/2012 | Maljkovic et al. |
| 4,228,724 A | 10/1980 | Leich | D675,882 S * | 2/2013 | Crockett D7/601 |
| 4,276,830 A | 7/1981 | Alice | 8,408,137 B2 | 4/2013 | Battaglia |
| D263,581 S * | 3/1982 | Kaye D13/103 | D683,419 S * | 5/2013 | Rebar D22/116 |
| 4,475,435 A | 10/1984 | Mantel | 8,443,729 B2 | 5/2013 | Mittelstaedt |
| 4,598,445 A | 7/1986 | O'Connor | 8,443,730 B2 | 5/2013 | Padgett |
| 4,614,157 A | 9/1986 | Grelle et al. | 8,511,233 B2 | 8/2013 | Nilsson |
| 4,679,505 A | 7/1987 | Reed | D689,975 S * | 9/2013 | Carlson D22/116 |
| 4,718,348 A | 1/1988 | Ferrigno | 8,522,684 B2 | 9/2013 | Davies et al. |
| 4,719,859 A | 1/1988 | Ballreich et al. | 8,540,828 B2 | 9/2013 | Busky et al. |
| 4,726,296 A | 2/1988 | Leshner et al. | 8,561,543 B2 | 10/2013 | Burrow |
| 4,763,576 A | 8/1988 | Kass et al. | 8,573,126 B2 | 11/2013 | Klein et al. |
| 4,867,065 A | 9/1989 | Kaltmann et al. | 8,641,842 B2 | 2/2014 | Hafner et al. |
| 5,033,386 A | 7/1991 | Vatsvog | 8,689,696 B1 | 4/2014 | Seeman et al. |
| 5,151,555 A | 9/1992 | Vatsvog | 8,763,535 B2 | 7/2014 | Padgett |
| 5,165,040 A | 11/1992 | Andersson et al. | 8,790,455 B2 | 7/2014 | Borissov et al. |
| 5,237,930 A | 8/1993 | Belanger et al. | 8,807,008 B2 | 8/2014 | Padgett et al. |
| 5,259,288 A | 11/1993 | Vatsvog | 8,813,650 B2 | 8/2014 | Maljkovic et al. |
| D345,676 S * | 4/1994 | Biffle D7/510 | D715,888 S | 10/2014 | Padgett |
| 5,433,148 A | 7/1995 | Barratault et al. | 8,850,985 B2 | 10/2014 | Maljkovic et al. |
| D380,650 S * | 7/1997 | Norris D7/619.1 | 8,857,343 B2 | 10/2014 | Marx |
| 5,679,920 A * | 10/1997 | Hallis F42B 12/74 102/398 | 8,869,702 B2 | 10/2014 | Padgett |
| 5,798,478 A | 8/1998 | Beal | D717,909 S * | 11/2014 | Thrift D22/116 |
| 5,950,063 A | 9/1999 | Hens et al. | 8,875,633 B2 | 11/2014 | Padgett |
| 5,969,288 A | 10/1999 | Baud | 8,893,621 B1 | 11/2014 | Escobar |
| 6,004,682 A | 12/1999 | Rackovan et al. | D723,418 S * | 3/2015 | Thuma D11/143 |
| 6,048,379 A | 4/2000 | Bray et al. | 8,978,559 B2 | 3/2015 | Davies et al. |
| 6,070,532 A | 6/2000 | Halverson | 9,003,973 B1 | 4/2015 | Padgett |
| 6,108,974 A * | 8/2000 | Herzog-Mesrobian A47G 7/08 47/72 | 9,032,855 B1 | 5/2015 | Foren et al. |
| D435,626 S * | 12/2000 | Benini D22/100 | 9,091,516 B2 | 7/2015 | Davies et al. |
| D439,116 S * | 3/2001 | White D7/619.1 | 9,103,641 B2 | 8/2015 | Nielson et al. |
| D442,833 S * | 5/2001 | Shuman D7/608 | 9,157,709 B2 | 10/2015 | Nuetzman et al. |
| 6,257,149 B1 * | 7/2001 | Cesaroni F42B 12/745 102/515 | 9,170,080 B2 | 10/2015 | Poore et al. |
| D447,209 S * | 8/2001 | Benini D22/116 | 9,182,204 B2 | 11/2015 | Maljkovic et al. |
| 6,272,993 B1 | 8/2001 | Cook 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

9,329,004 B2 5/2016 Pace
 9,335,137 B2 5/2016 Maljkovic et al.
 9,337,278 B1 5/2016 Gu et al.
 9,347,457 B2 5/2016 Ahrens et al.
 9,366,512 B2 6/2016 Burczynski et al.
 9,377,278 B2 6/2016 Rubin
 9,389,052 B2 7/2016 Conroy et al.
 9,395,165 B2 7/2016 Maljkovic et al.
 D764,624 S 8/2016 Masinelli
 D765,214 S 8/2016 Padgett
 9,429,407 B2 8/2016 Burrow
 9,441,930 B2 9/2016 Burrow
 9,453,714 B2 9/2016 Bosarge et al.
 D773,009 S * 11/2016 Bowers D22/116
 9,500,453 B2 11/2016 Schluckebier et al.
 9,506,735 B1 11/2016 Burrow
 D773,250 S * 12/2016 Miller D7/523
 D774,824 S * 12/2016 Gallagher D7/313
 9,513,096 B2 12/2016 Burrow
 9,518,810 B1 12/2016 Burrow
 9,523,563 B1 12/2016 Burrow
 9,528,799 B2 12/2016 Maljkovic
 9,546,849 B2 1/2017 Burrow
 9,551,557 B1 1/2017 Burrow
 D778,391 S 2/2017 Burrow
 D778,393 S 2/2017 Burrow
 D778,394 S 2/2017 Burrow
 D778,395 S 2/2017 Burrow
 D779,021 S 2/2017 Burrow
 D779,024 S 2/2017 Burrow
 D780,283 S * 2/2017 Burrow D22/116
 9,587,918 B1 3/2017 Burrow
 9,599,443 B2 3/2017 Padgett et al.
 D784,137 S * 4/2017 Cates D9/500
 9,625,241 B2 4/2017 Neugebauer
 9,631,907 B2 4/2017 Burrow
 9,644,930 B1 5/2017 Burrow
 9,658,042 B2 5/2017 Emary
 D788,636 S * 6/2017 Paternostre D11/143
 D790,392 S * 6/2017 Paternostre D11/143
 9,683,818 B2 6/2017 Lemke et al.
 9,709,368 B2 7/2017 Mahnke
 D793,172 S * 8/2017 Medina D7/624.2
 D797,880 S * 9/2017 Seecamp D22/116
 9,759,554 B2 9/2017 Ng et al.
 D800,244 S * 10/2017 Burczynski D22/115
 D800,245 S * 10/2017 Burczynski D22/115
 D800,246 S * 10/2017 Burczynski D22/115
 9,784,667 B2 10/2017 Lukay et al.
 D801,753 S * 11/2017 Piper D7/624.2
 9,835,423 B2 12/2017 Burrow
 9,835,427 B2 12/2017 Burrow
 9,857,151 B2 1/2018 Dionne et al.
 9,869,536 B2 1/2018 Burrow
 9,879,954 B2 1/2018 Hajjar
 9,885,551 B2 2/2018 Burrow
 D813,975 S * 3/2018 White D22/116
 9,921,040 B2 3/2018 Rubin
 9,927,219 B2 3/2018 Burrow
 9,933,241 B2 4/2018 Burrow
 9,939,236 B2 4/2018 Drobockyi et al.
 9,964,388 B1 5/2018 Burrow
 D821,536 S * 6/2018 Christiansen D22/116
 9,989,339 B2 6/2018 Riess
 10,041,770 B2 8/2018 Burrow
 10,041,771 B1 8/2018 Burrow
 10,041,776 B1 8/2018 Burrow
 10,041,777 B1 8/2018 Burrow
 10,048,049 B2 8/2018 Burrow
 10,048,050 B1 8/2018 Burrow
 10,048,052 B2 8/2018 Burrow
 10,054,413 B1 8/2018 Burrow
 D828,483 S 9/2018 Burrow
 D832,037 S * 10/2018 Gallagher D7/397

D834,447 S * 11/2018 van Smirren A47G 7/07
 D11/143
 D839,676 S * 2/2019 Seiders D7/523
 D839,677 S * 2/2019 Seiders D7/523
 D843,788 S * 3/2019 Boroski D7/608
 10,234,249 B2 * 3/2019 Burrow F42B 5/307
 10,234,253 B2 * 3/2019 Burrow F42B 5/307
 10,240,905 B2 * 3/2019 Burrow F42B 5/307
 2005/0192835 A1 * 9/2005 Kuo G06Q 50/22
 705/2
 2006/0283345 A1 * 12/2006 Feldman F42B 12/365
 102/430
 2007/0056343 A1 3/2007 Cremonesi
 2007/0181029 A1 * 8/2007 McAninch F41B 11/00
 102/430
 2007/0204511 A1 * 9/2007 Lee A47G 7/06
 47/66.1
 2010/0234132 A1 9/2010 Hirsch et al.
 2011/0036000 A1 * 2/2011 Verdecia A47G 7/06
 47/41.1
 2011/0179965 A1 7/2011 Mason
 2012/0180685 A1 * 7/2012 O F42B 8/14
 102/334
 2012/0291655 A1 * 11/2012 Jones F42B 8/14
 102/502
 2013/0186294 A1 * 7/2013 Davies F42B 5/307
 102/467
 2013/0291711 A1 11/2013 Mason
 2014/0260925 A1 9/2014 Beach et al.
 2014/0261044 A1 * 9/2014 Seecamp F42B 12/36
 102/464
 2014/0311332 A1 * 10/2014 Carlson F42B 5/045
 89/191.01
 2015/0226220 A1 8/2015 Bevington
 2016/0003589 A1 1/2016 Burrow
 2016/0003590 A1 1/2016 Burrow
 2016/0003593 A1 1/2016 Burrow
 2016/0003594 A1 1/2016 Burrow
 2016/0003595 A1 1/2016 Burrow
 2016/0003596 A1 1/2016 Burrow
 2016/0003597 A1 1/2016 Burrow
 2016/0003601 A1 1/2016 Burrow
 2016/0033241 A1 2/2016 Burrow
 2016/0102030 A1 4/2016 Coffey et al.
 2016/0245626 A1 8/2016 Drieling et al.
 2016/0265886 A1 * 9/2016 Aldrich F42B 5/30
 2016/0349022 A1 * 12/2016 Burrow F42B 5/307
 2016/0349023 A1 12/2016 Burrow
 2016/0349028 A1 12/2016 Burrow
 2016/0356588 A1 12/2016 Burrow
 2016/0377399 A1 12/2016 Burrow
 2017/0080498 A1 3/2017 Burrow
 2017/0082409 A1 3/2017 Burrow
 2017/0082411 A1 3/2017 Burrow
 2017/0089673 A1 3/2017 Burrow
 2017/0089674 A1 * 3/2017 Burrow F42B 5/02
 2017/0089675 A1 3/2017 Burrow
 2017/0089679 A1 * 3/2017 Burrow F42B 33/001
 2017/0153099 A9 6/2017 Burrow
 2017/0205217 A9 7/2017 Burrow
 2017/0299352 A9 10/2017 Burrow
 2018/0066925 A1 3/2018 Skowron et al.
 2018/0106581 A1 * 4/2018 Rogers F42B 12/367
 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.
 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

(56)

References Cited

U.S. PATENT DOCUMENTS

2019/0011240 A1 1/2019 Burrow
 2019/0011241 A1 1/2019 Burrow

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

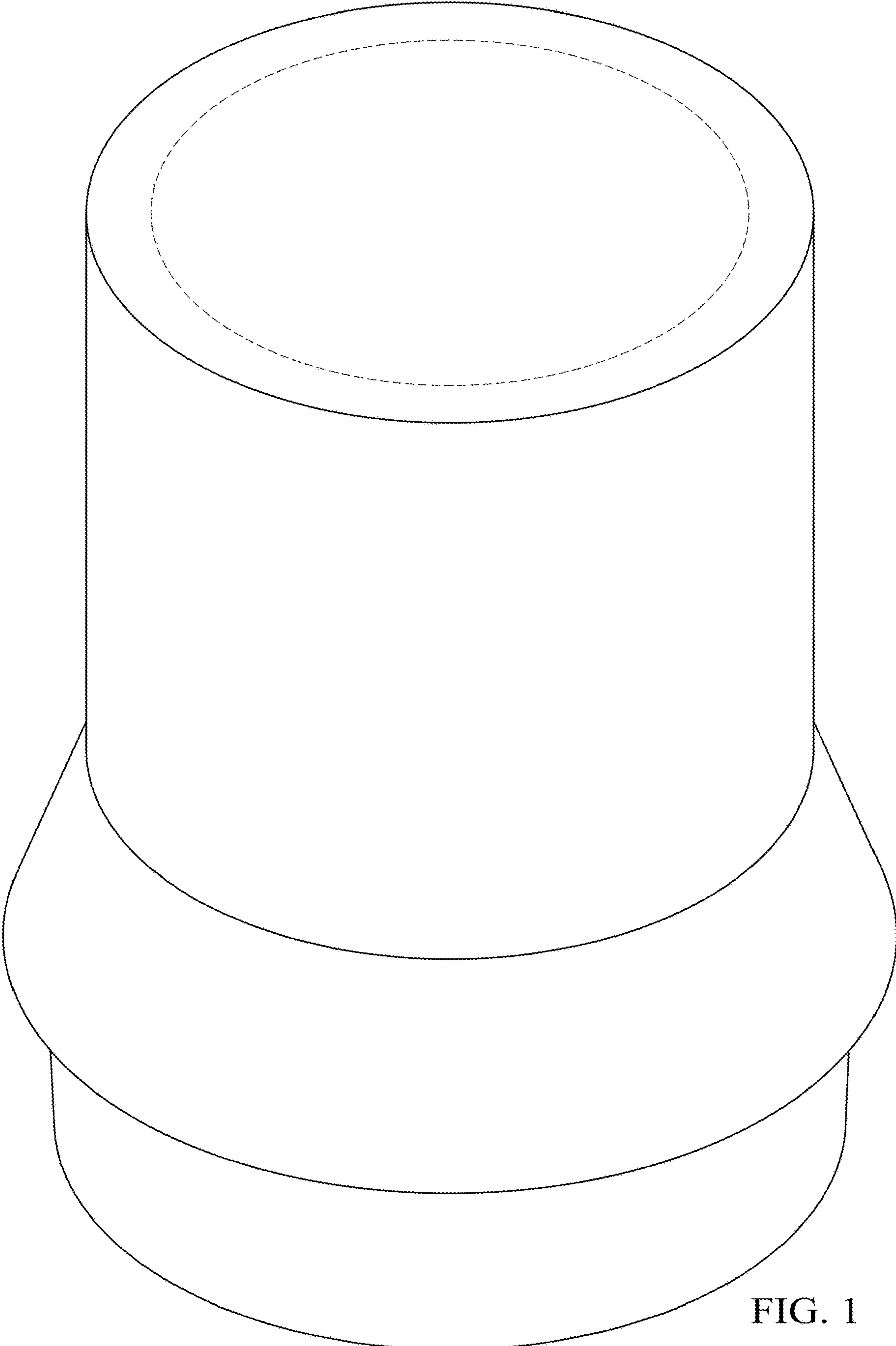


FIG. 1

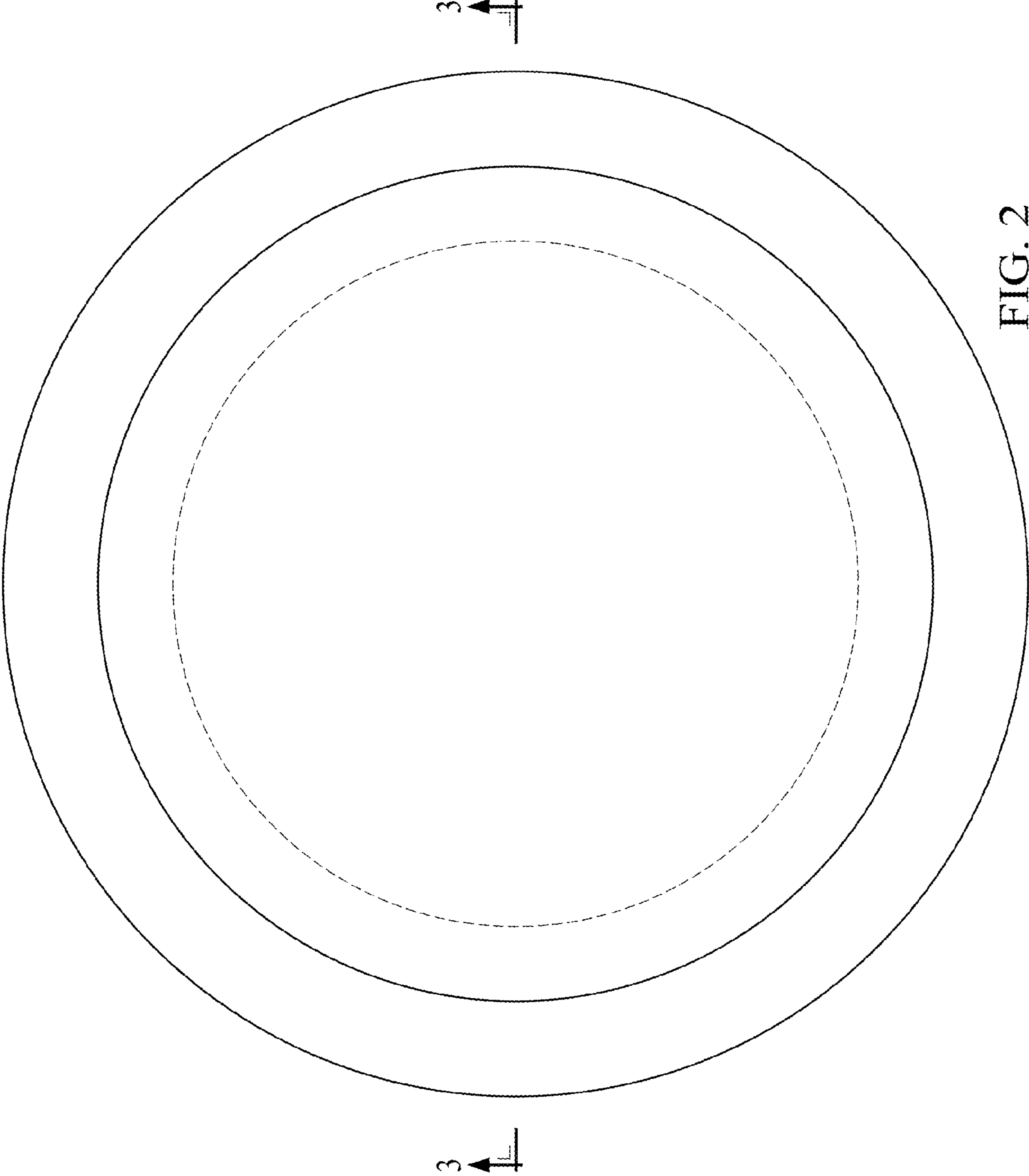


FIG. 2

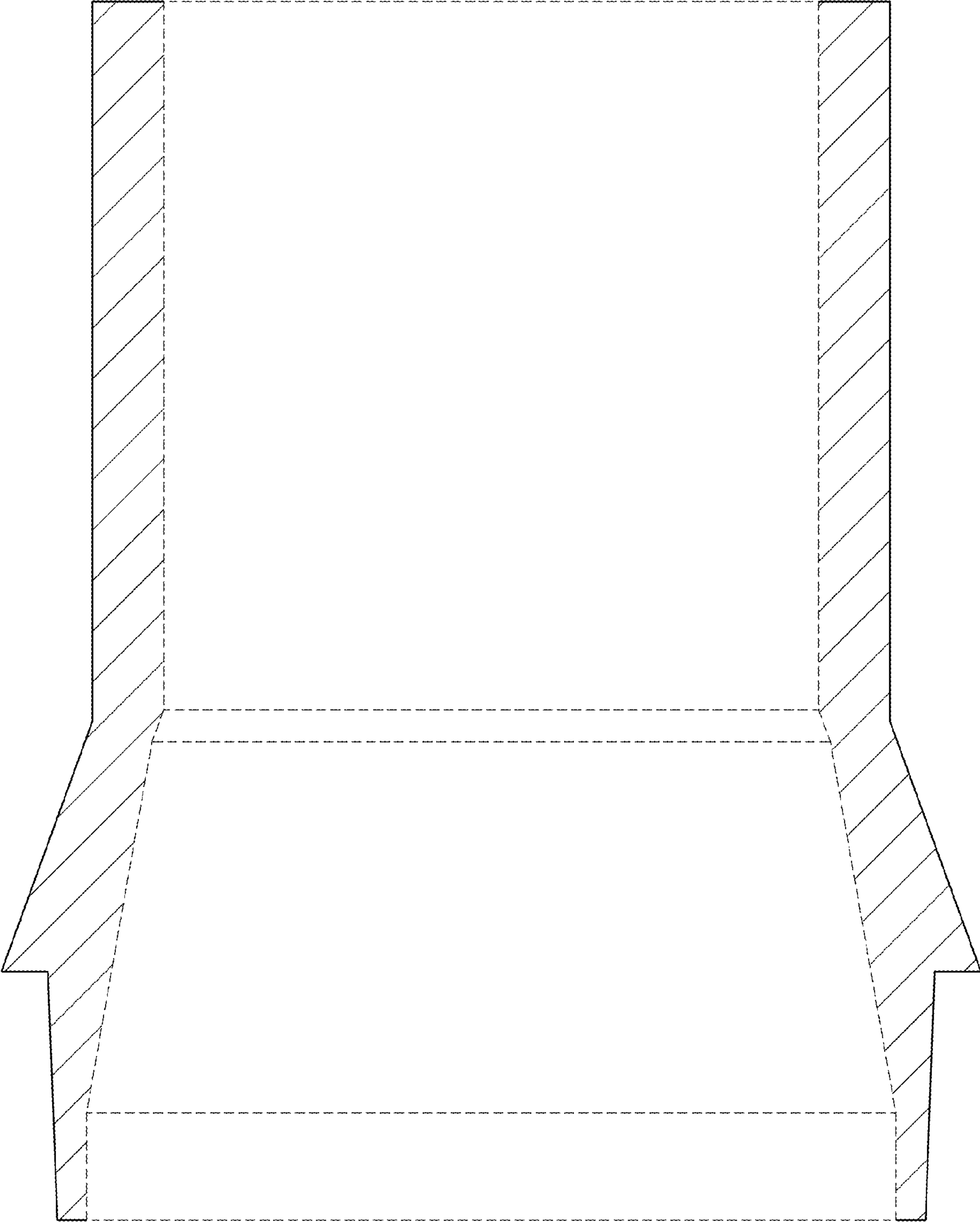


FIG. 3

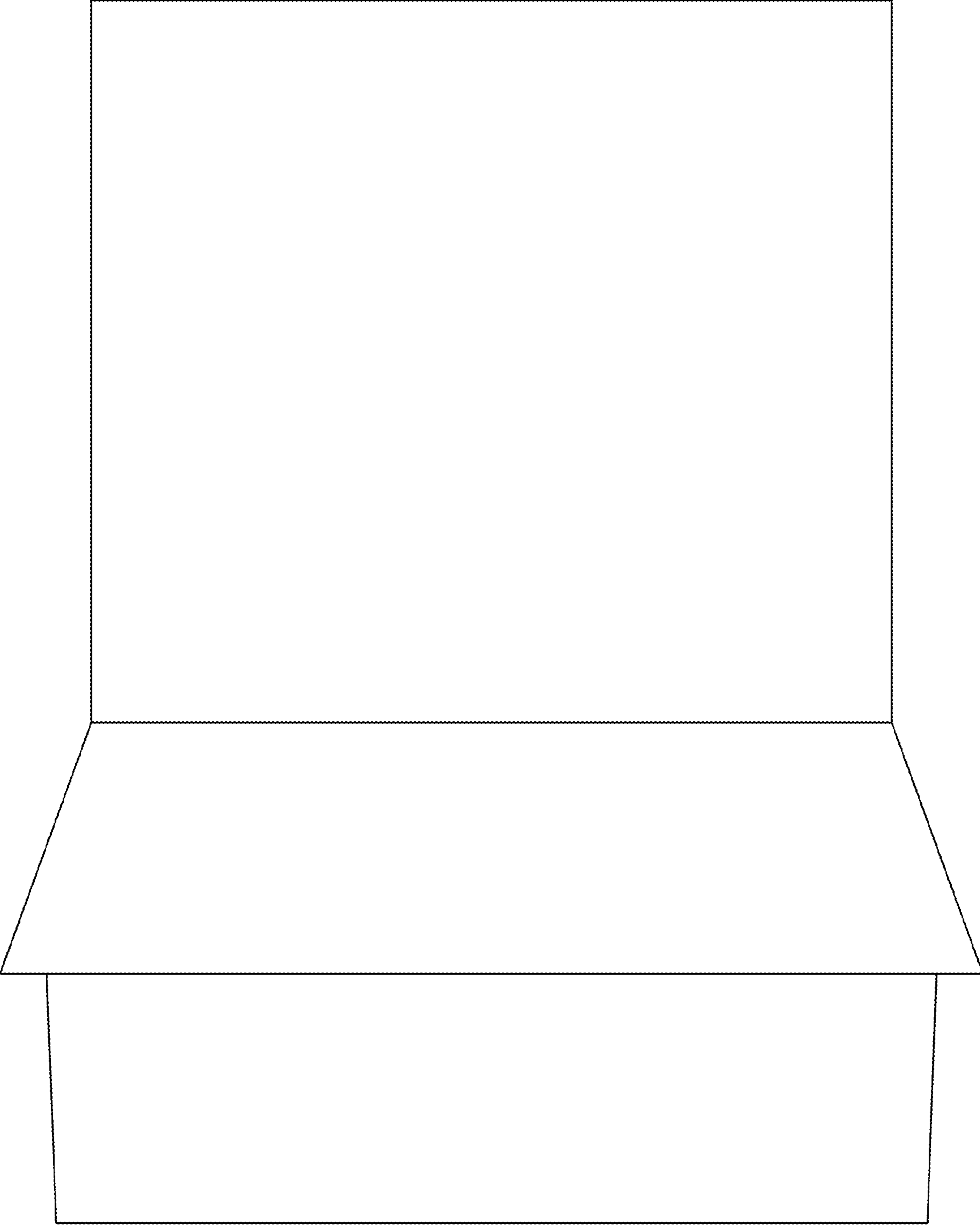


FIG. 4