



US00D939442S

(12) **United States Design Patent** (10) **Patent No.:** **US D939,442 S**
Soward et al. (45) **Date of Patent:** **** Dec. 28, 2021**

(54) **ELECTRICAL CONNECTOR FOR A MODEL VEHICLE**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **TRAXXAS LP**, McKinney, TX (US)

DE	704450 C	3/1941
EP	0318831 A2	6/1989
FR	1036107	9/1953

(72) Inventors: **Terry Soward**, Van Alstyne, TX (US);
Jonathan Scott Wood, Frisco, TX (US); **Kent Poteet**, Lucas, TX (US);
Otto Karl Allmendinger, Rowlett, TX (US)

OTHER PUBLICATIONS

Clarke, Brooke; "Power Pole"; web page article; Brooke, Clarke, Ukiah CA, U.S.A., 2003-2006.

(Continued)

(73) Assignee: **TRAXXAS LP**, McKinney, TX (US)

Primary Examiner — Jennifer O King

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

(74) *Attorney, Agent, or Firm* — Daryl R. Wright; Greg Carr

(21) Appl. No.: **29/728,072**

(57) **CLAIM**

(22) Filed: **Mar. 16, 2020**

We claim the ornamental design for an electrical connector for a model vehicle, as shown and described.

(51) **LOC (13) Cl.** **13-02**

(52) **U.S. Cl.**
USPC **D13/120**

DESCRIPTION

(58) **Field of Classification Search**
USPC D8/395; D13/102–106, 110, 119–121,
D13/184, 199, 133, 154, 156
CPC H01R 11/24; H01R 11/281; H01R 11/282;
H01R 11/286
See application file for complete search history.

FIG. 1 is an upper, left, front perspective view of an electrical connector for a model vehicle showing our new design;
FIG. 2 is a front elevation view thereof;
FIG. 3 is a left side elevation view thereof;
FIG. 4 is a right side elevation view thereof;
FIG. 5 is a rear elevation view thereof;
FIG. 6 is an upper plan view thereof;
FIG. 7 is a bottom plan view thereof;
FIG. 8 is an upper, right, rear perspective view thereof; and,
FIG. 9 is an upper, left, front perspective environmental use view of the electrical connector for a model vehicle.

(56) **References Cited**

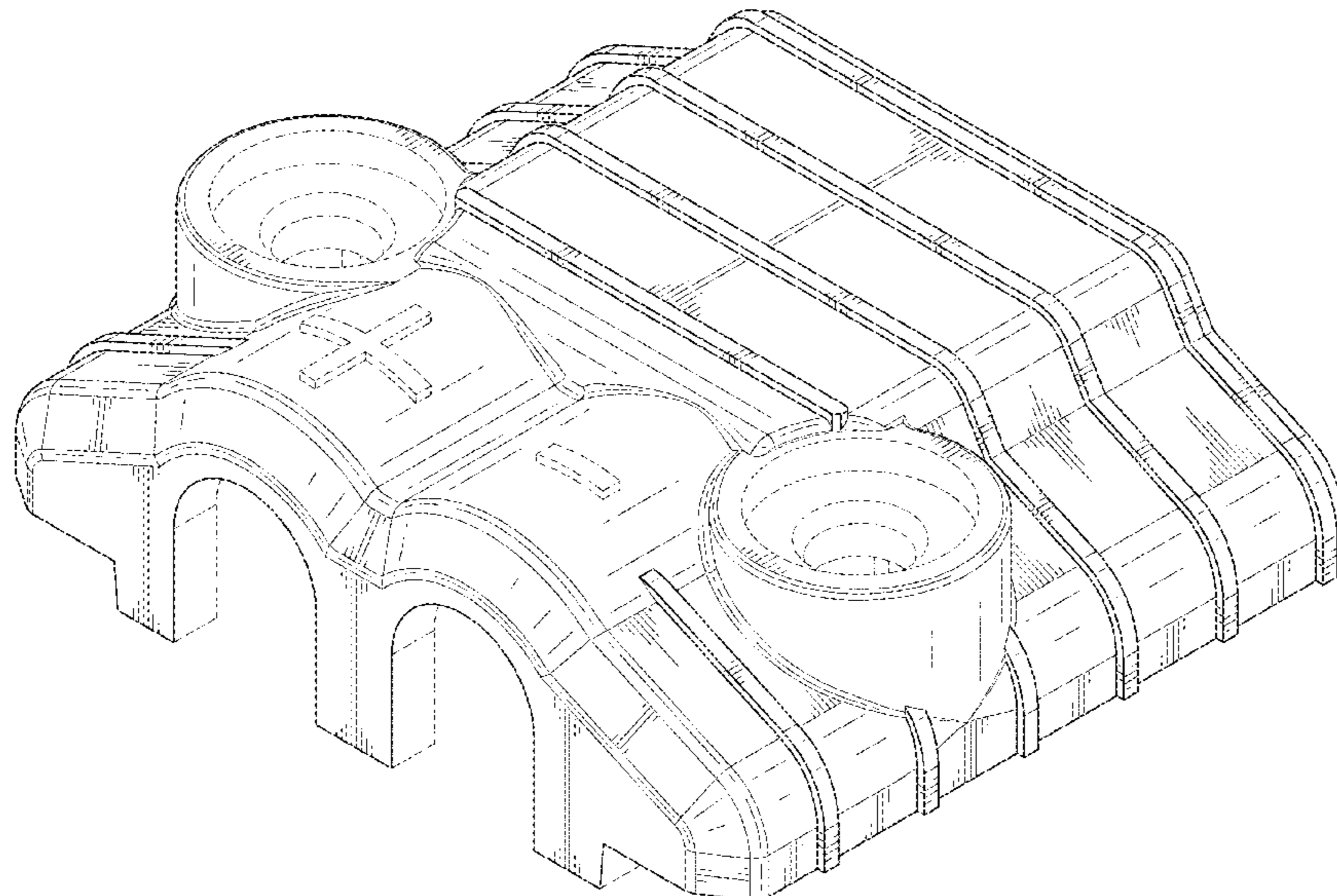
U.S. PATENT DOCUMENTS

2,121,338 A	6/1938	Chirelstein
2,203,122 A	6/1940	Anderson
D179,946 S	3/1957	Kerr
2,838,739 A	6/1958	Winkler
3,091,746 A	5/1963	Winkler
3,145,067 A	8/1964	Mishelevich et al.
3,218,599 A	11/1965	Winkler
3,233,211 A	2/1966	Smith
3,259,870 A	7/1966	Winkler
3,794,957 A	2/1974	Winkler

(Continued)

In the drawings, the broken lines illustrate portions of the electrical connector for a model vehicle that form no part of the claimed design; whereas, the additional broken lines in the environmental use drawing also form no part of the claimed design and are provided for the purposes of illustrating environmental use, structure, and context.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

4,018,497 A 4/1977 Bulanchuk
 4,083,617 A 4/1978 Wyatt
 D258,429 S 3/1981 Buckler
 4,342,498 A 8/1982 Patton et al.
 4,630,876 A 12/1986 Grunberg et al.
 4,846,729 A 7/1989 Hikami et al.
 4,990,099 A 2/1991 Marin et al.
 D326,642 S 6/1992 Lowe
 5,123,071 A 6/1992 Mulholland et al.
 5,293,581 A 3/1994 DiMarco
 5,533,915 A 7/1996 Deans
 5,575,674 A 11/1996 Davis et al.
 5,748,821 A 5/1998 Schempp et al.
 D430,542 S 9/2000 Hoferitza et al.
 6,240,228 B1 5/2001 Chen et al.
 6,268,564 B1 7/2001 Miyakoshi
 6,318,904 B1 11/2001 Reichle
 D467,553 S 12/2002 Cheng
 6,488,546 B2 12/2002 Sakurai et al.
 6,619,995 B1 9/2003 Hayashi et al.
 6,619,996 B2 9/2003 Hara et al.
 6,623,309 B2 9/2003 Sakurai et al.
 6,645,003 B2 11/2003 Yoshida et al.
 6,761,488 B2 7/2004 Weigel
 D494,933 S 8/2004 Lu
 7,004,795 B2 2/2006 Mancini et al.
 D552,560 S 10/2007 Victor
 7,325,980 B2 2/2008 Pepe
 7,374,460 B1 5/2008 Hariharesan et al.
 D573,536 S 7/2008 Hariharesan et al.
 D576,557 S 9/2008 Hariharesan et al.
 D577,671 S 9/2008 Schnitzler
 D589,881 S 4/2009 Kok et al.
 D642,528 S * 8/2011 Gravalin D13/133
 D659,640 S 5/2012 Tseng
 D662,889 S 7/2012 Smith
 D665,748 S 8/2012 Baker et al.
 8,491,341 B2 * 7/2013 Bower H01R 24/28
 439/638
 D743,338 S * 11/2015 Christensen D13/133
 D743,339 S * 11/2015 Christensen D13/133
 D801,271 S * 10/2017 Tanaka D13/133
 10,027,146 B2 * 7/2018 Christensen H02J 7/0068

D830,966 S * 10/2018 Siminoff D13/103
 D836,549 S * 12/2018 Kim D13/110
 D837,734 S * 1/2019 Vinciarelli D13/110
 D851,032 S * 6/2019 Santos D13/103
 D860,131 S * 9/2019 Siminoff D13/103
 D913,212 S * 3/2021 Ouyang D13/103
 2009/0311919 A1 * 12/2009 Smith H01R 11/281
 439/759
 2011/0003512 A1 1/2011 Bower et al.
 2015/0126075 A1 5/2015 Chen et al.
 2018/0102599 A1 * 4/2018 Onoda H01R 11/281

OTHER PUBLICATIONS

Anderson Power Products; "PP15 Powerpole Connector" data sheet; Anderson Power Products, Sterling, MA, U.S.A.
 Anderson Power Products; "SB Connector Family" data sheet; Anderson Power Products, Sterling, MA, U.S.A.
 Anderson Power Products; "SB 50 Connector" data sheet; Anderson Power Products, Sterling, MA, U.S.A.
 Anderson Power Products; "SBS 50 Connector" data sheet; Anderson Power Products, Sterling, MA, U.S.A.
 Horizon Hobby; "E-flite EC3 Device & Battery Connector, Male-Female" web page; Horizon Hobby, Inc., Champaign, IL, U.S.A. 2006.
 Tyco Electronics, "Hot Plug, High Current Dual Crown Clip Socket Connector" ELCON Products International Co., Fremont, CA U.S.A. 2000-2001.
 McMaster-Carr; "Quick-Disconnect Terminals" catalog p. 724; McMaster-Carr Supply Co.
 Molex; "Standard .093" web pages; Molex, Lisle IL U.S.A.
 Hyperphysics; "Household Wiring—Polarized Receptables" web page article; <http://hyperphysics.phy-astr.gsu.edu/hbase/electric/hsehld.html>.
 Traxxas; "REVO transmission" illustration (1 page); Traxxas LP, Plano TX U.S.A.
 Deans; "Ultra Plug" photographs (3 pages); Wm. F. Deans, Paramount CA U.S.A.
 Molex; "Standard .093" connector photographs (7 pages); Molex, Lisle IL U.S.A.
 "Standard 110V electrical plugs and receptacles" photographs (5 pages).

* cited by examiner

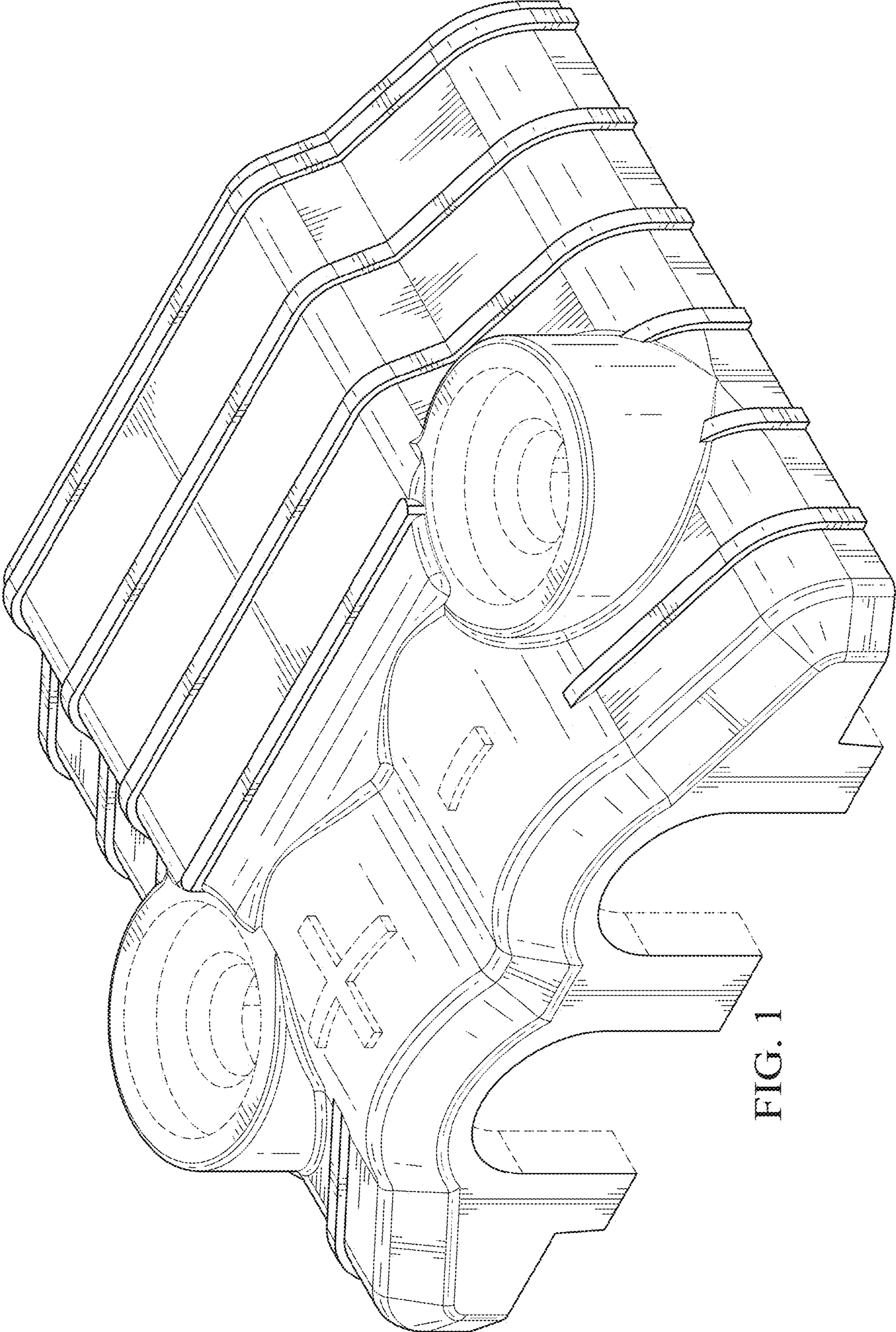


FIG. 1

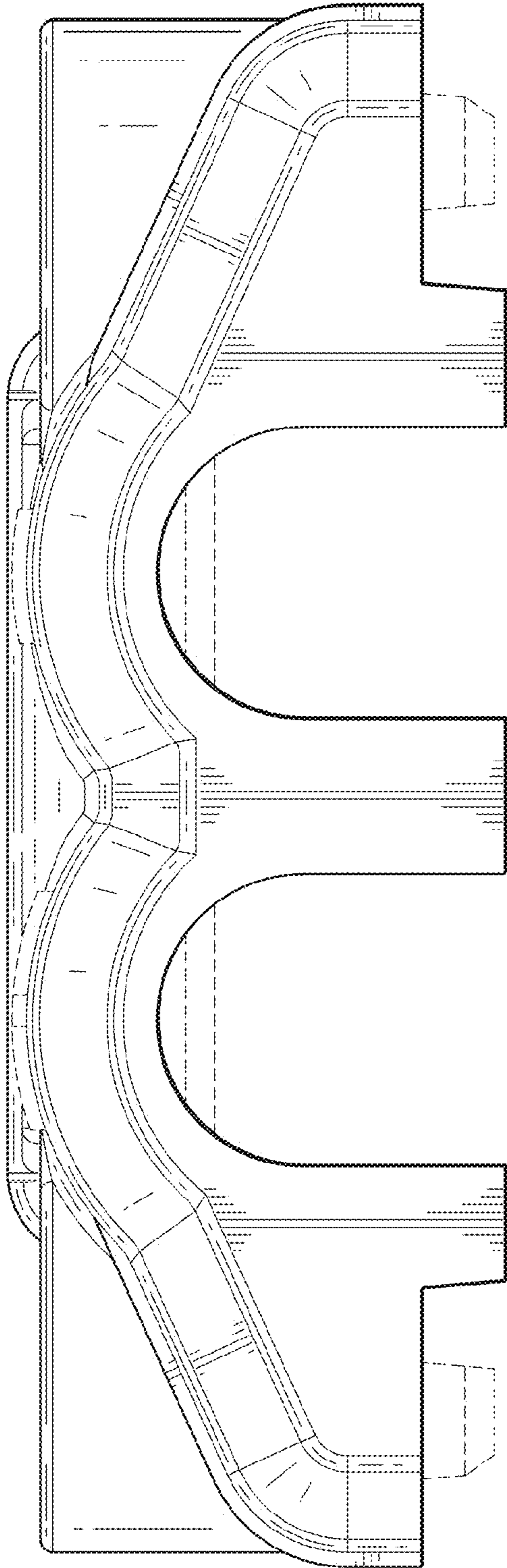


FIG. 2

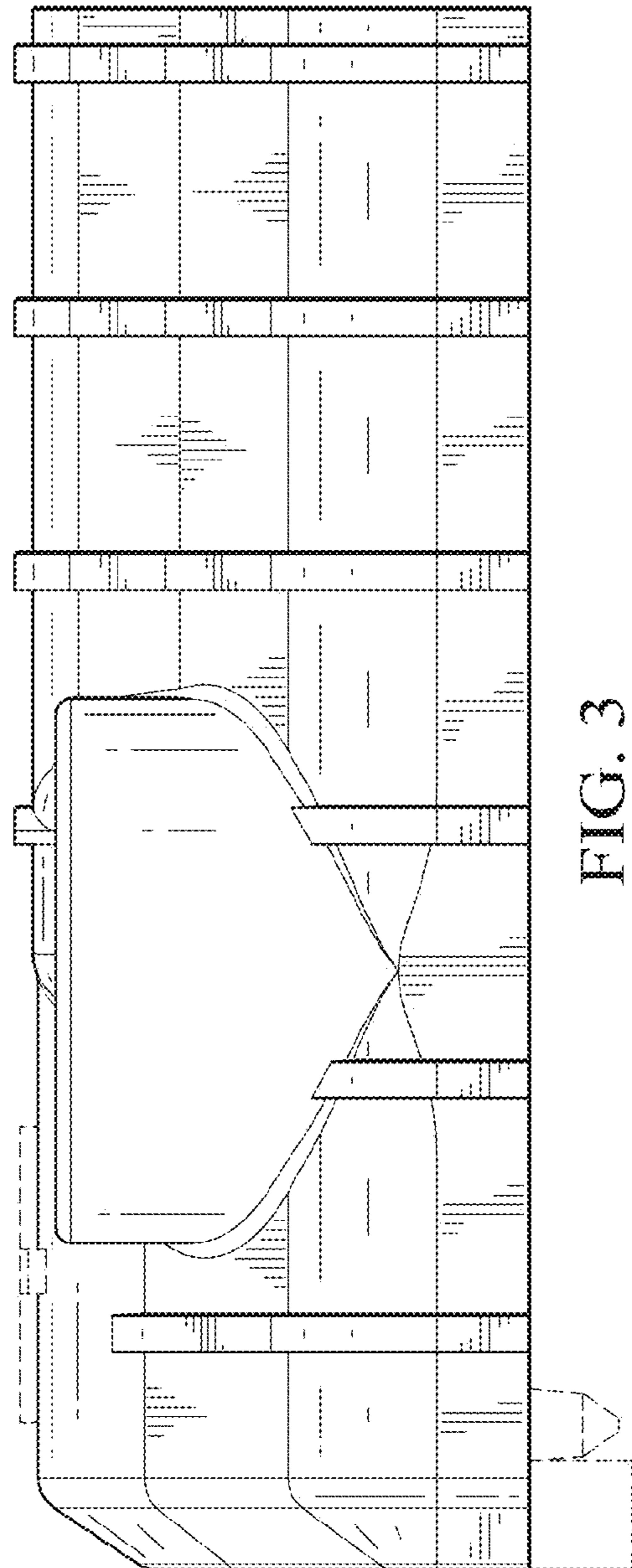


FIG. 3

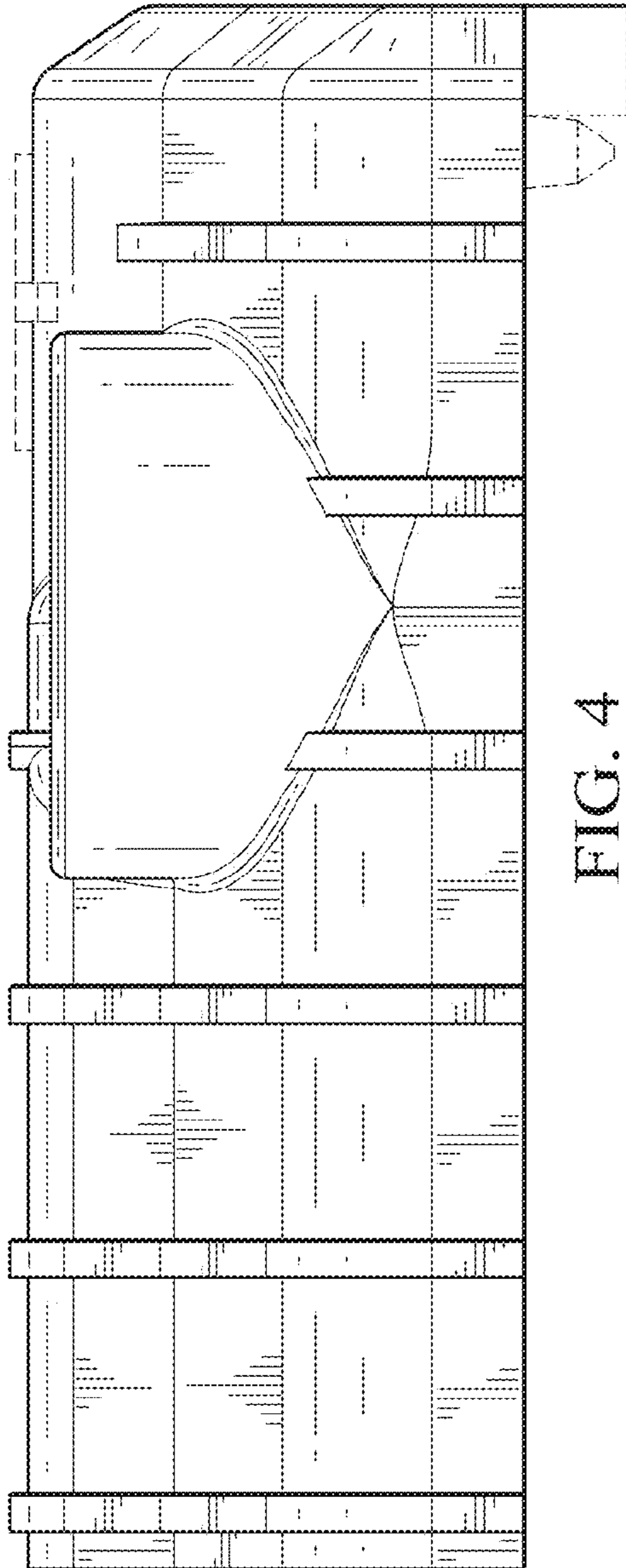


FIG. 4

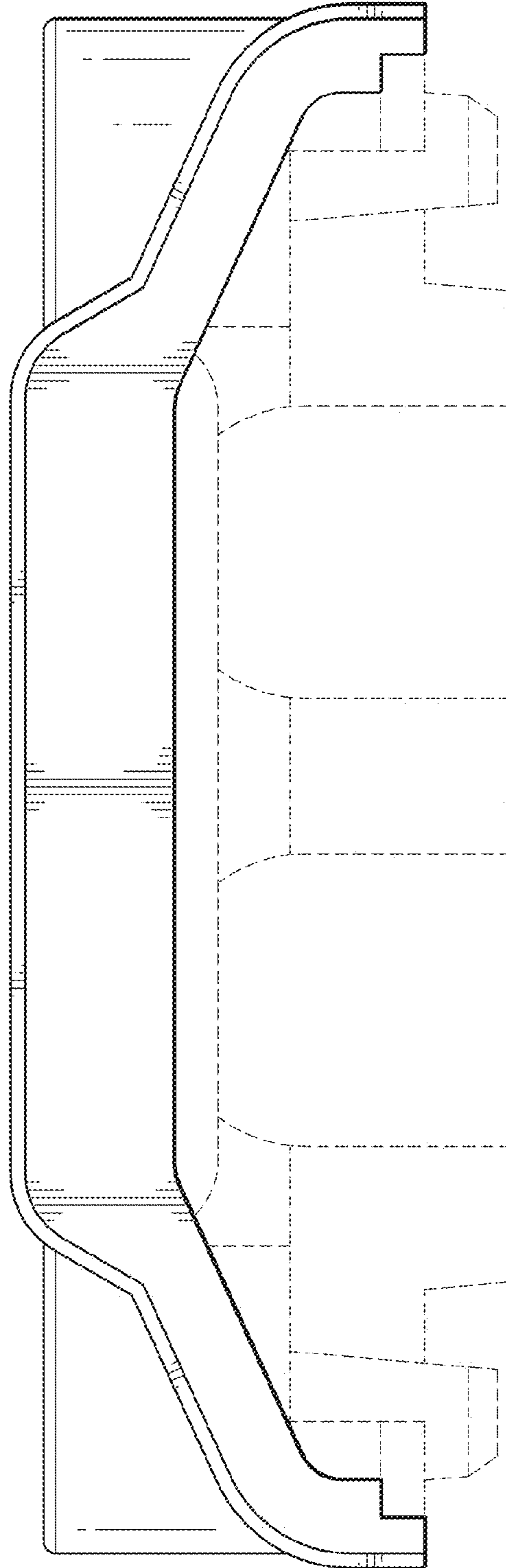


FIG. 5

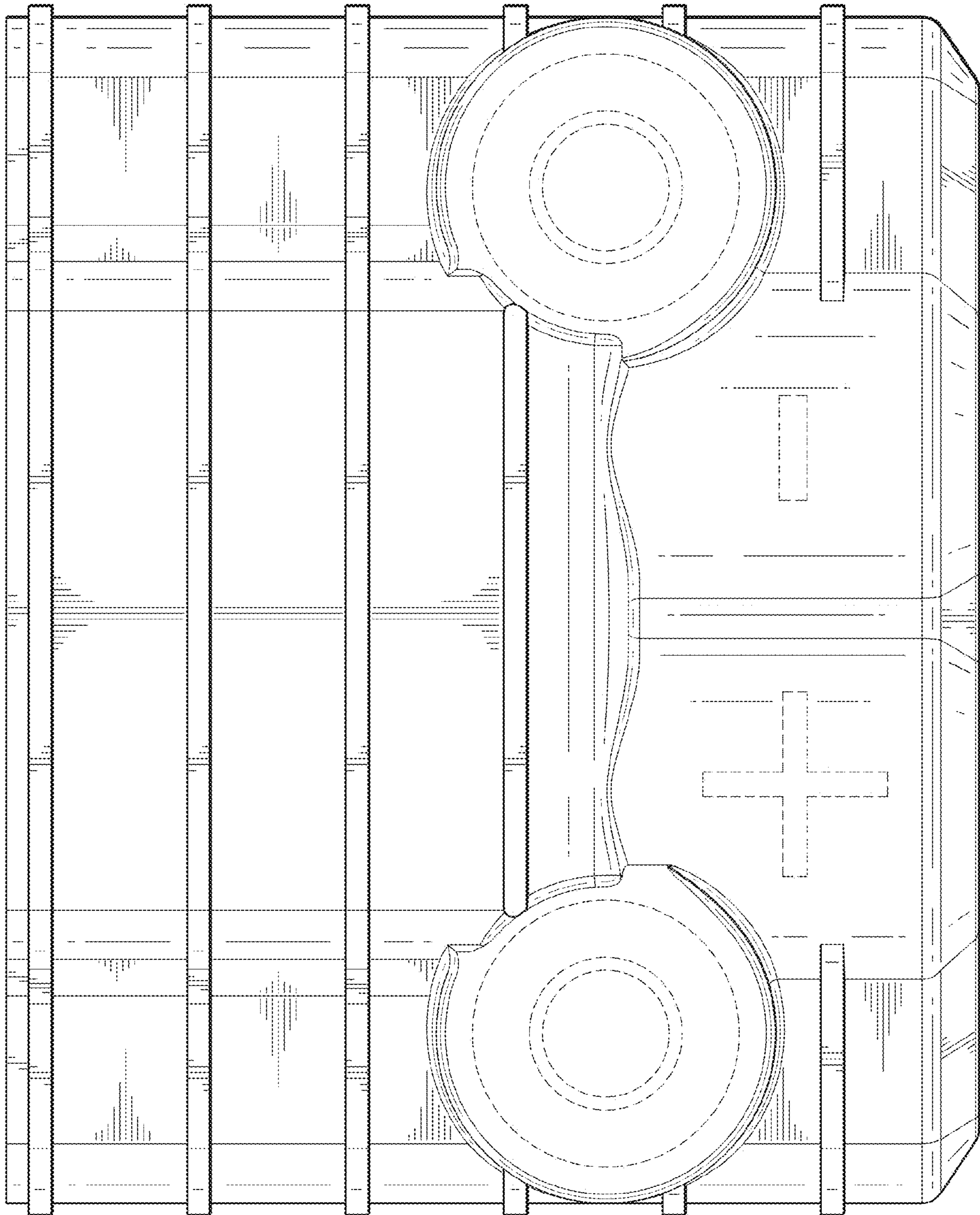


FIG. 6

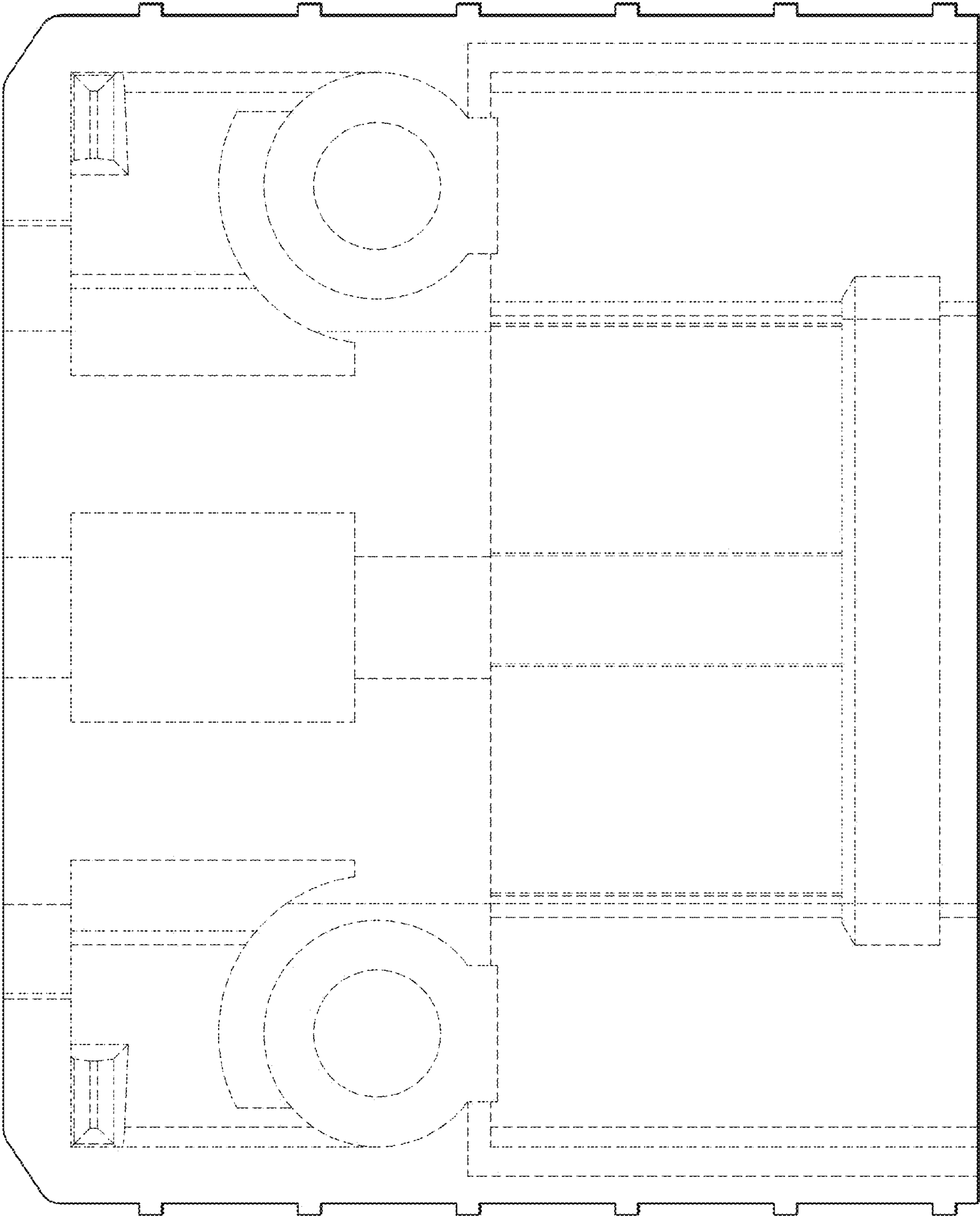


FIG. 7

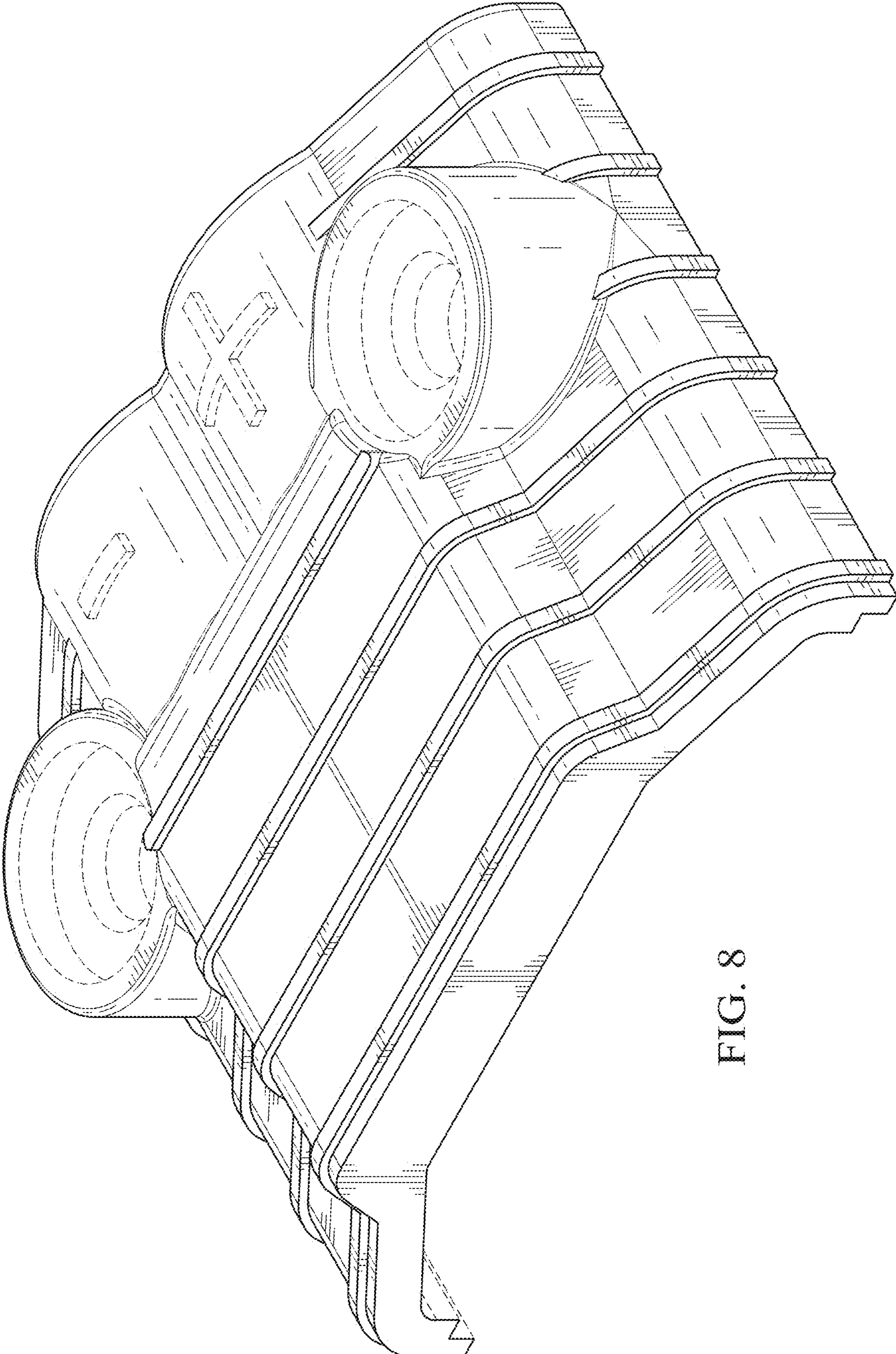


FIG. 8

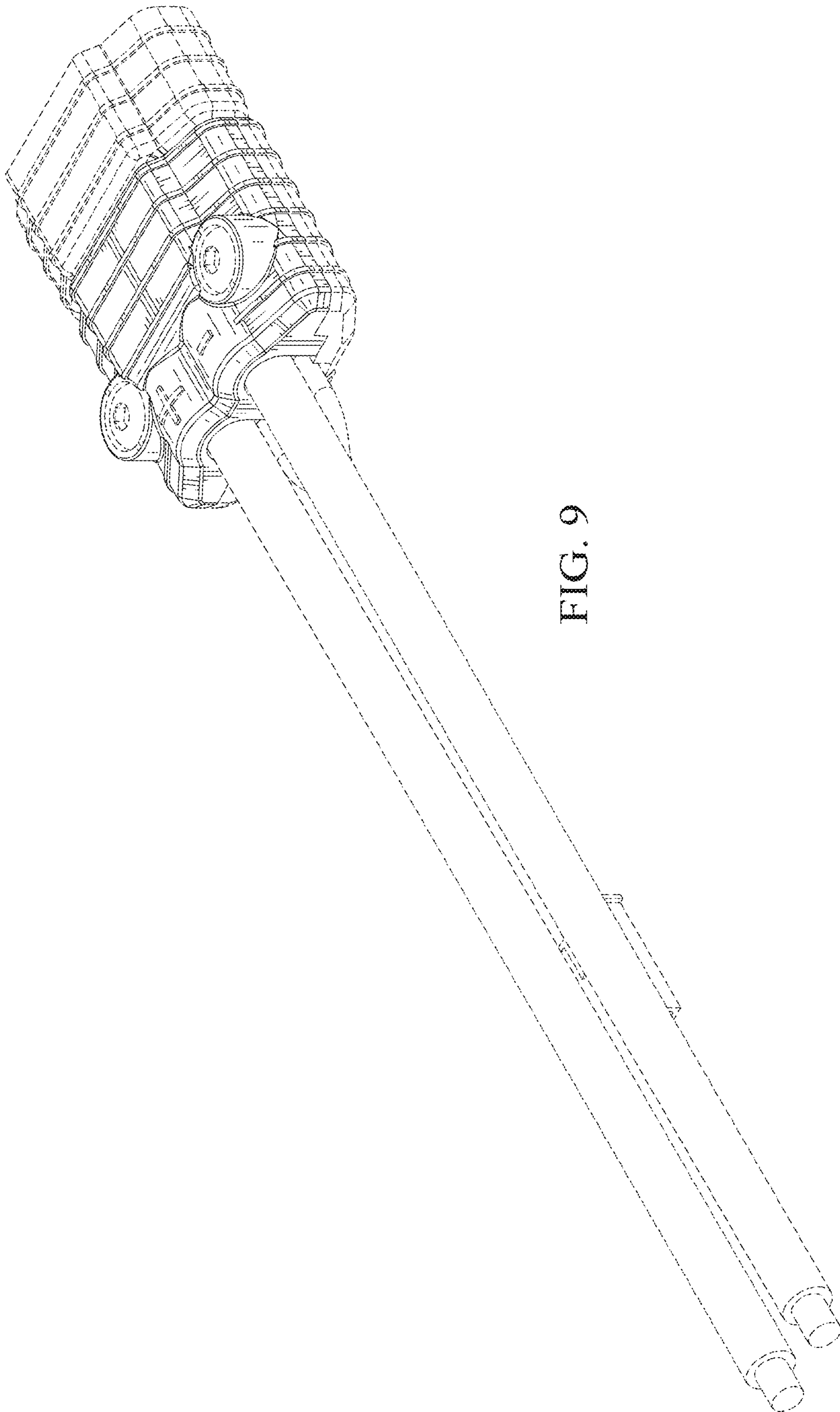


FIG. 9