



US00D770564S

(12) **United States Design Patent**
Turner

(10) **Patent No.:** **US D770,564 S**

(45) **Date of Patent:** **** Nov. 1, 2016**

(54) **CAVITY DRUM**

(71) Applicant: **Michael Ross Turner**, Nashville, TN
(US)

(72) Inventor: **Michael Ross Turner**, Nashville, TN
(US)

(**) Term: **14 Years**

(21) Appl. No.: **29/496,868**

(22) Filed: **Jul. 17, 2014**

(51) **LOC (10) Cl.** **17-04**

(52) **U.S. Cl.**
USPC **D17/22**

(58) **Field of Classification Search**

USPC D10/18, 21, 24, 25, 27, 28, 46, 93,
D10/104.1, 106, 113, 114, 116.1; D17/9,
D17/13, 20, 22, 23, 24, 99, 4, 12, 14, 15, 16,
D17/17, 18, 19, 21; D21/586; D28/7;
D6/582, 583, 585, 592, 595, 596, 597,
D6/601, 602, 603, 606, 608, 610, 617
CPC H05K 7/20727; H05K 7/20581;
F04D 25/166; F04D 15/00; F04D 29/664;
F24F 3/044; F24F 7/06; F24F 7/065; F24F
13/24; G10D 13/00; G10D 3/00; G10D 3/18;
G10G 5/00; A63H 5/00; A47G 9/00; B60N
2/00

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

663,854 A * 12/1900 Boulanger G10D 13/028
84/411 R
1,014,109 A * 1/1912 Wilson G10D 13/023
84/411 R
1,039,834 A * 10/1912 Soistmann G10D 13/023
84/411 R
D62,104 S * 3/1923 Kozleek D17/17
2,331,096 A * 10/1943 Strupe G10D 13/023
84/411 R

4,045,264 A * 8/1977 Ludwig B29C 53/36
156/203
4,158,980 A * 6/1979 Gauger G10D 13/026
84/421
D256,369 S * 8/1980 Leach D17/17
4,238,986 A * 12/1980 Twiford G10D 3/04
84/274
4,244,265 A * 1/1981 Tuttrup G10D 13/023
84/411 A

(Continued)

OTHER PUBLICATIONS

Sound hole, image post date Sep. 5, 2004, site visited Feb. 22, 2016,
(online), <<http://web.archive.org/web/20040905103837/http://www.violinstudent.com/violinmap.html>>.*

(Continued)

Primary Examiner — Kevin Rudzinski
Assistant Examiner — Sean D Lough
(74) *Attorney, Agent, or Firm* — Hornkohl Intellectual
Property Law, PLLC; Jason L. Hornkohl

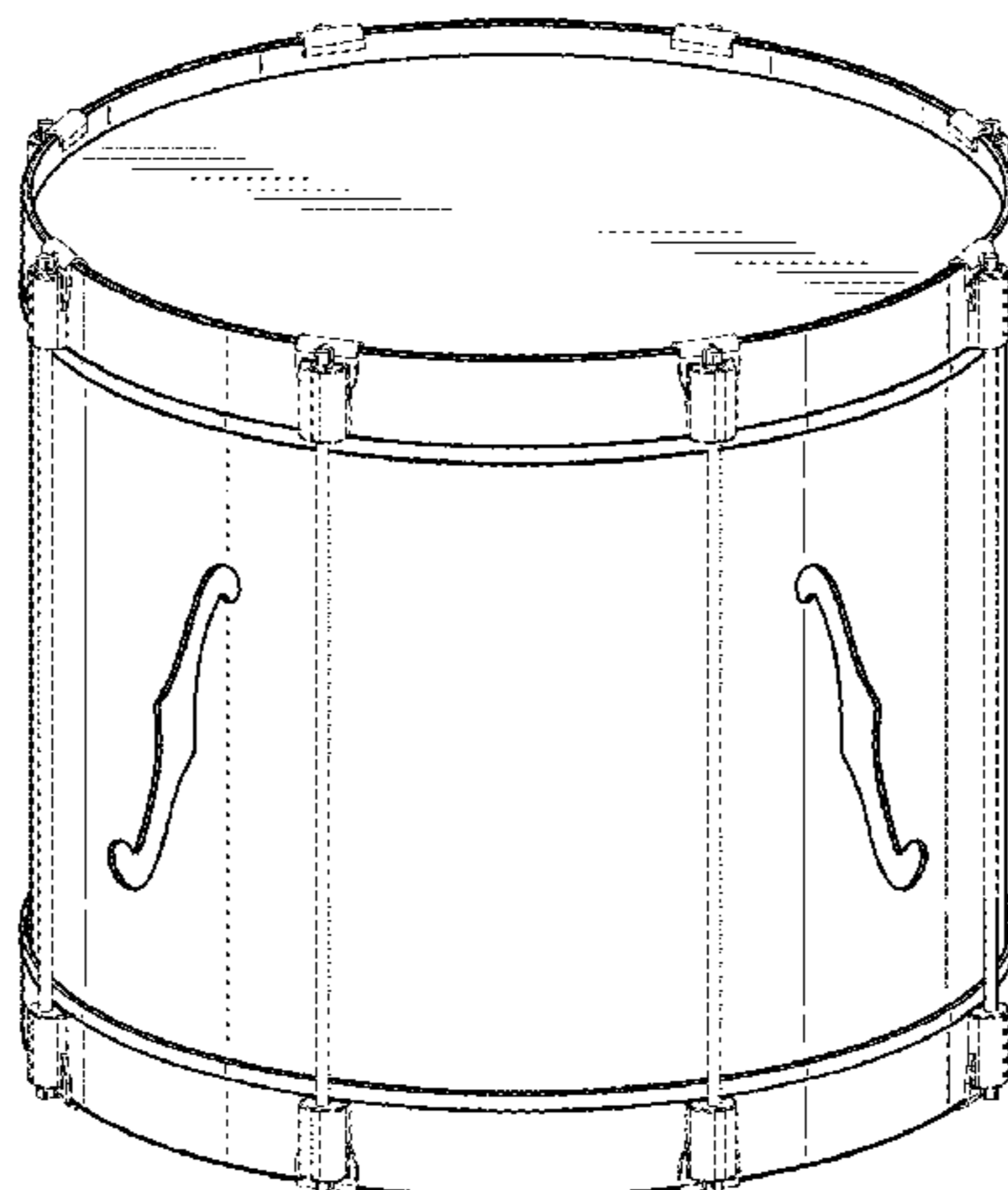
(57) **CLAIM**

The ornamental design for the cavity drum, as shown and
described.

DESCRIPTION

FIG. 1 is an isometric front view showing the new design for
a cavity drum;
FIG. 2 is a front view of the cavity drum;
FIG. 3 is a back view of the cavity drum;
FIG. 4 is a right side view of the cavity drum;
FIG. 5 is a left side view of the cavity drum;
FIG. 6 shows the view of FIG. 2 with the cavity drum rotated
45 degrees; and,
FIG. 7 is a bottom and top view of the cavity drum.
The broken lines, were present, in all FIGS. illustrate
portions of the cavity drum that form no part of the claimed
design.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

4,246,825 A * 1/1981 Hodas G10D 13/025
84/411 M
4,252,047 A * 2/1981 Gauger G10G 5/005
84/421
4,256,007 A * 3/1981 Streit G10G 5/005
224/910
4,283,985 A * 8/1981 Famularo G10D 13/023
84/411 R
D266,525 S * 10/1982 Kelly D17/22
4,441,398 A * 4/1984 Baker G10G 5/00
248/346.03
4,448,105 A * 5/1984 Cordes G10D 13/02
84/411 R
4,519,289 A * 5/1985 Gauger G10D 13/026
84/421
4,596,176 A * 6/1986 Gauger G10D 13/026
84/421
4,660,455 A * 4/1987 Jones G10D 13/023
84/411 R
4,829,874 A * 5/1989 Hoshino G10D 13/026
84/421
4,869,146 A * 9/1989 Bonsor G10D 13/02
84/411 R
D308,983 S * 7/1990 Bonsor D17/22
D311,018 S * 10/1990 Corder D17/22
D316,090 S * 4/1991 Holloway D14/143
5,046,700 A * 9/1991 Hoshino G10D 13/026
248/632
D322,270 S * 12/1991 Concoff 84/283
D322,622 S * 12/1991 Gabriel D17/22
D325,752 S * 4/1992 Kilander D17/22
D339,818 S * 9/1993 Peterson D17/22
D340,254 S * 10/1993 Yamashita 84/415
5,309,810 A * 5/1994 May G10D 13/026
84/413
5,329,838 A * 7/1994 Yamashita G10D 13/026
84/411 R
5,337,646 A * 8/1994 Austin G10D 13/00
248/122.1
5,377,576 A * 1/1995 Good G10D 13/028
84/411 R
5,398,583 A * 3/1995 Cook G10D 13/022
84/411 M
5,404,786 A * 4/1995 Gatzen G10D 13/026
84/421
5,454,288 A * 10/1995 Hoshino G10D 13/026
248/635
5,477,767 A * 12/1995 May G10D 13/026
84/421
D381,262 S * 7/1997 Tong D9/665
5,677,502 A * 10/1997 Laido G10D 13/00
248/205.2
5,684,257 A * 11/1997 Yanagisawa G10D 13/025
84/415
D387,375 S * 12/1997 Bacco D17/22
5,895,873 A * 4/1999 Yanagisawa G10D 13/025
84/415
6,008,445 A * 12/1999 Chen G10D 13/025
84/402
6,093,877 A * 7/2000 Nickel G10D 13/025
84/411 R
6,172,290 B1 * 1/2001 May G10D 13/00
84/421
6,177,620 B1 * 1/2001 Alulyan G10D 13/025
84/411 R
6,362,408 B1 * 3/2002 Chang G10D 13/023
84/411 R
6,441,287 B1 * 8/2002 Crouch G10D 13/025
84/415

D464,078 S * 10/2002 Lau D17/22
D464,986 S * 10/2002 Hagiwara D17/22
6,846,978 B2 * 1/2005 Dorfman G10D 13/025
84/411 R
D516,116 S * 2/2006 Webb D17/22
D536,724 S * 2/2007 Cupit D17/14
D541,554 S * 5/2007 Maitland-Smith D6/688
7,223,910 B2 * 5/2007 Shimada G10D 13/025
84/415
7,282,633 B1 * 10/2007 Coolidge G10H 3/143
84/104
7,301,087 B2 * 11/2007 Takegawa G10D 13/025
84/411 R
7,365,256 B2 * 4/2008 Takegawa G10D 13/025
84/415
D587,742 S * 3/2009 Normandy D17/14
7,645,928 B2 * 1/2010 Graham G10D 13/00
84/327
7,718,876 B1 * 5/2010 Good G10D 13/028
428/106
7,759,567 B2 * 7/2010 Marvin G10D 3/046
84/298
7,781,657 B2 * 8/2010 Nickel G10D 13/028
84/411 R
7,781,660 B2 * 8/2010 Paterson G10D 13/02
84/411 R
7,888,574 B1 * 2/2011 Acoutin G10D 13/02
84/411 R
7,960,634 B2 * 6/2011 Gauger G10D 13/026
84/421
8,168,873 B2 * 5/2012 Okamoto G10D 13/026
84/411 R
D665,839 S * 8/2012 Chan D17/22
8,253,001 B1 * 8/2012 Liu G10D 13/02
84/411 R
8,283,543 B2 * 10/2012 McBain G10D 13/026
84/411 R
D685,022 S * 6/2013 Abend D17/21
8,735,702 B1 * 5/2014 Miles A61F 2/013
84/327
9,012,753 B2 * 4/2015 Booth G09B 15/00
84/477 R
9,024,163 B2 * 5/2015 Sato G10D 13/02
84/421
9,177,537 B2 * 11/2015 Mori G10D 13/023
D745,558 S * 12/2015 Clarke D14/492
9,263,011 B2 * 2/2016 Wdowiak G10D 13/026
9,286,867 B1 * 3/2016 Oliver G10D 13/023
2002/0092406 A1 * 7/2002 Hagiwara G10D 13/02
84/411 R
2008/0168887 A1 * 7/2008 Takegawa G10D 13/028
84/411 R
2009/0013850 A1 * 1/2009 Abe G10D 13/028
84/411 R

OTHER PUBLICATIONS

Marching Snare Drum, image post date 1960s, site visited Feb. 22, 2016, (online), <<http://www.ebay.com/itm/1960s-Rogers-Newport-10-x-14-Marching-Snare-Drum-Cleveland-Wood-Hoops-used-/400979608913>>.*
Epiphone Zenith Acoustic Archtop Guitar, image post date 1941, site visited Feb. 22, 2016, (online), <http://www.ebay.co.uk/itm/like/111902501821?clk_rvr_id=986055504539&item=111902501821&lgeo=1&vectorid=229508&rmvSB=true>.*
Kumu Royale Drum Set, image post date Oct. 26, 2010, site visited Jun. 8, 2016, (online), <<http://kumudrums.com/author/kumudrums/>>.*

* cited by examiner

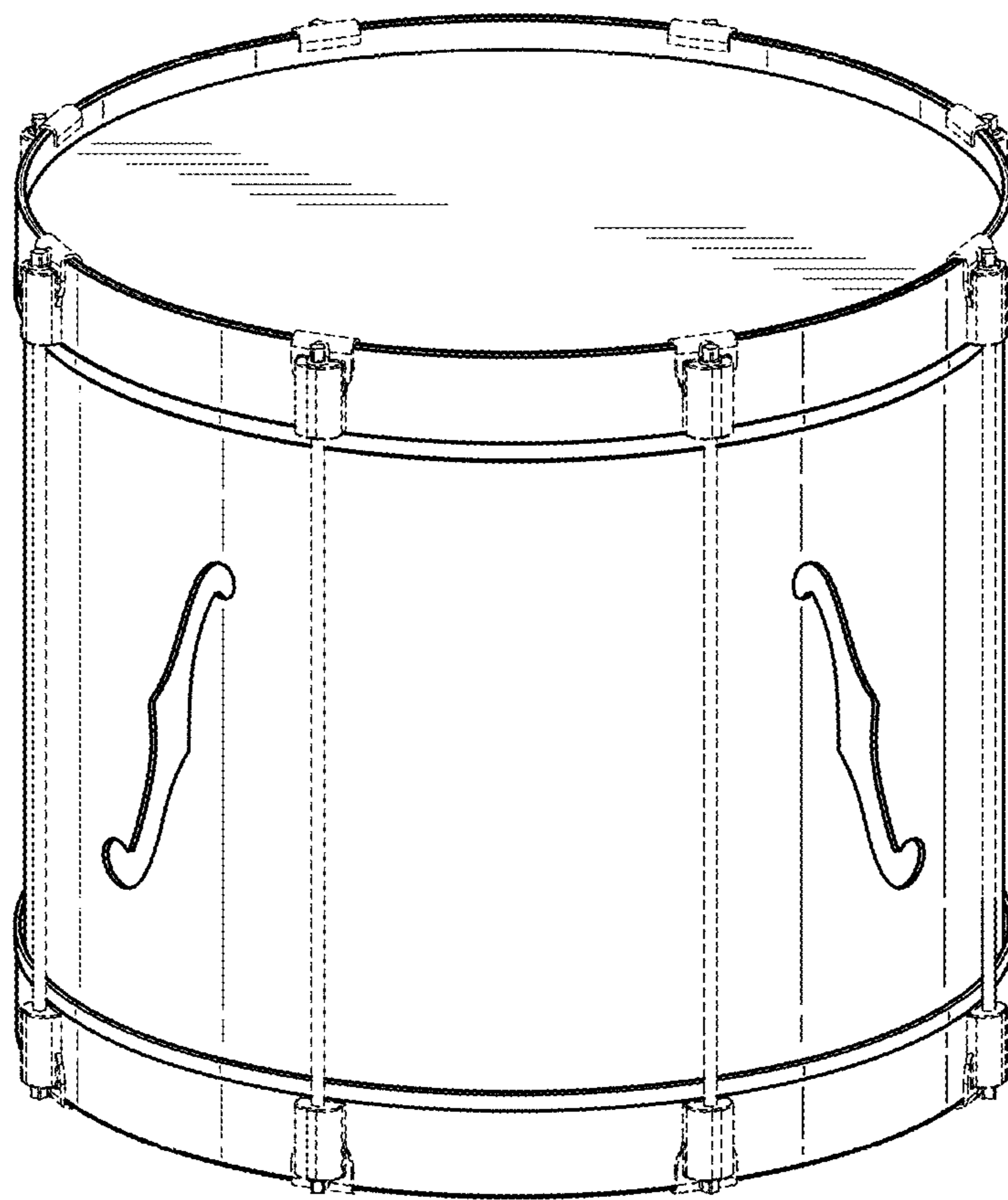


FIG. 1

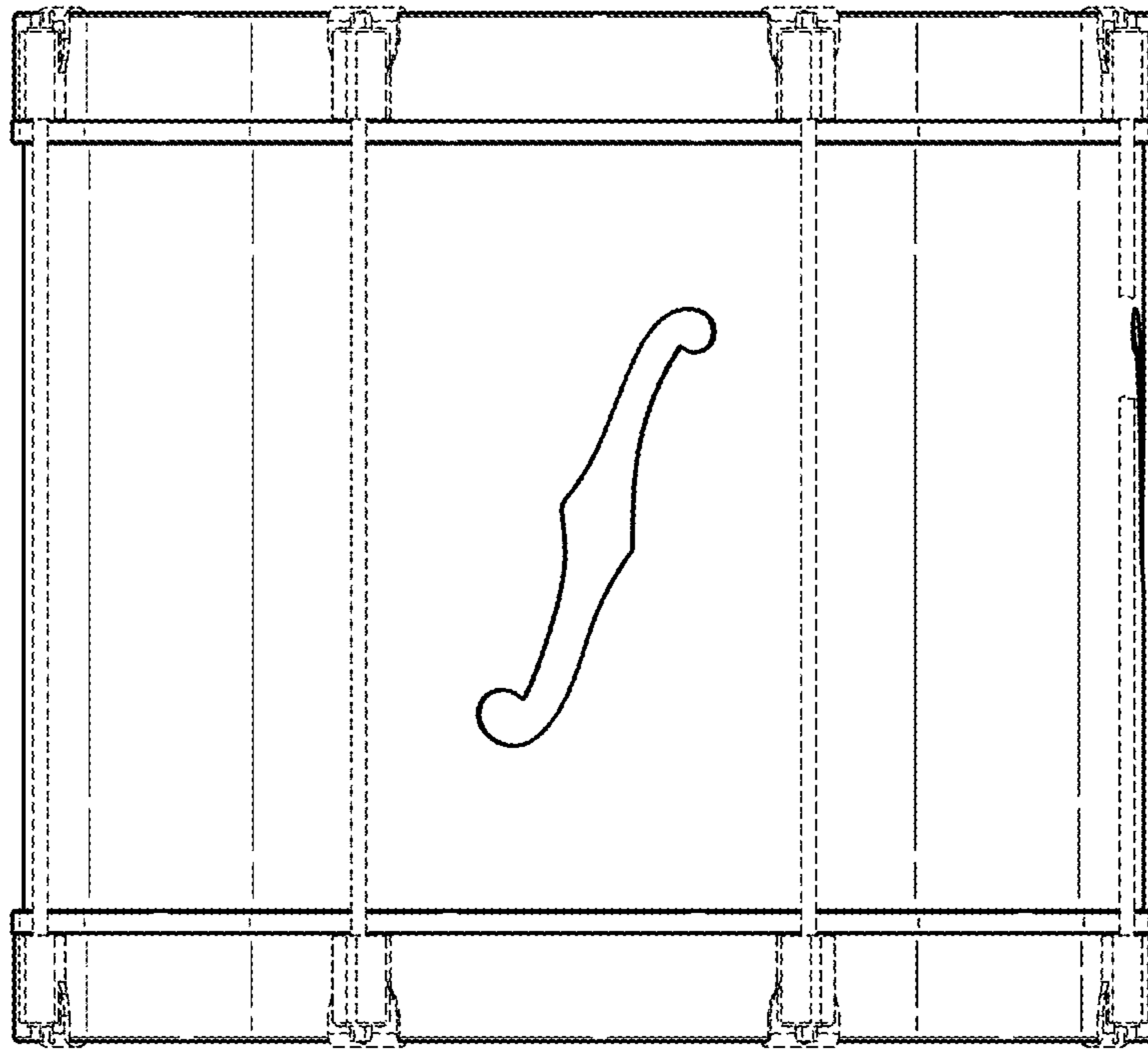


FIG. 2

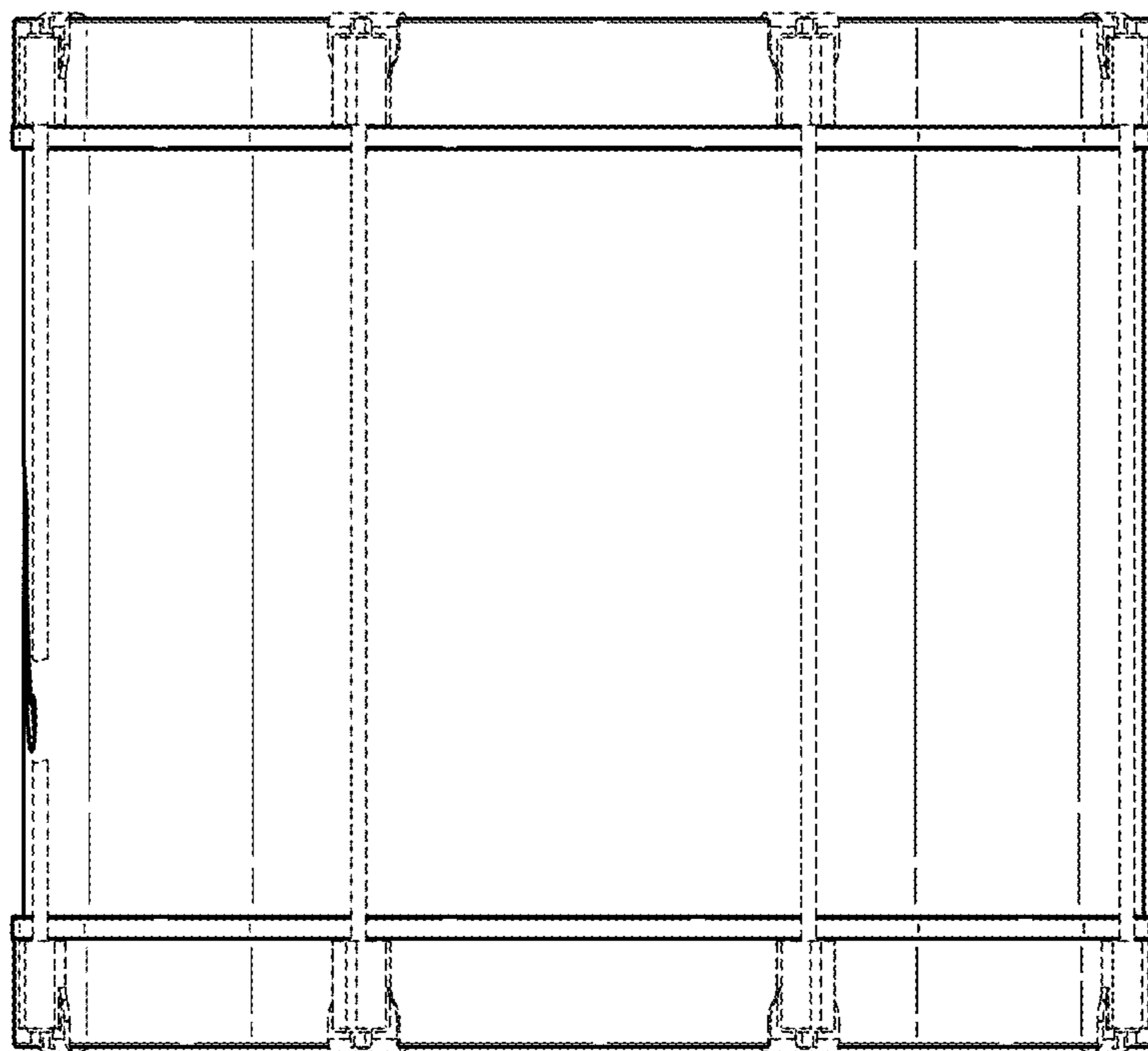


FIG. 3

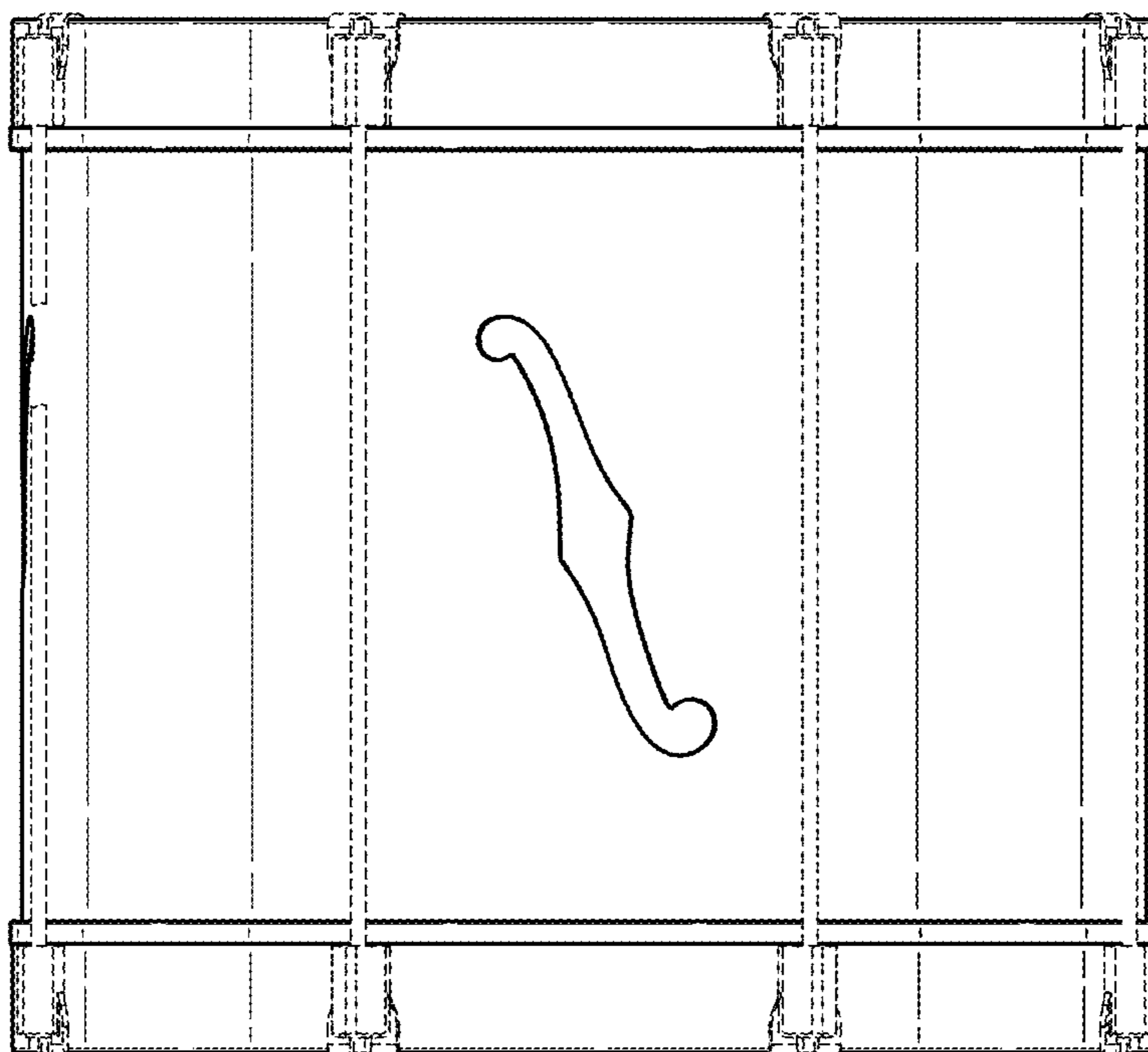


FIG. 4

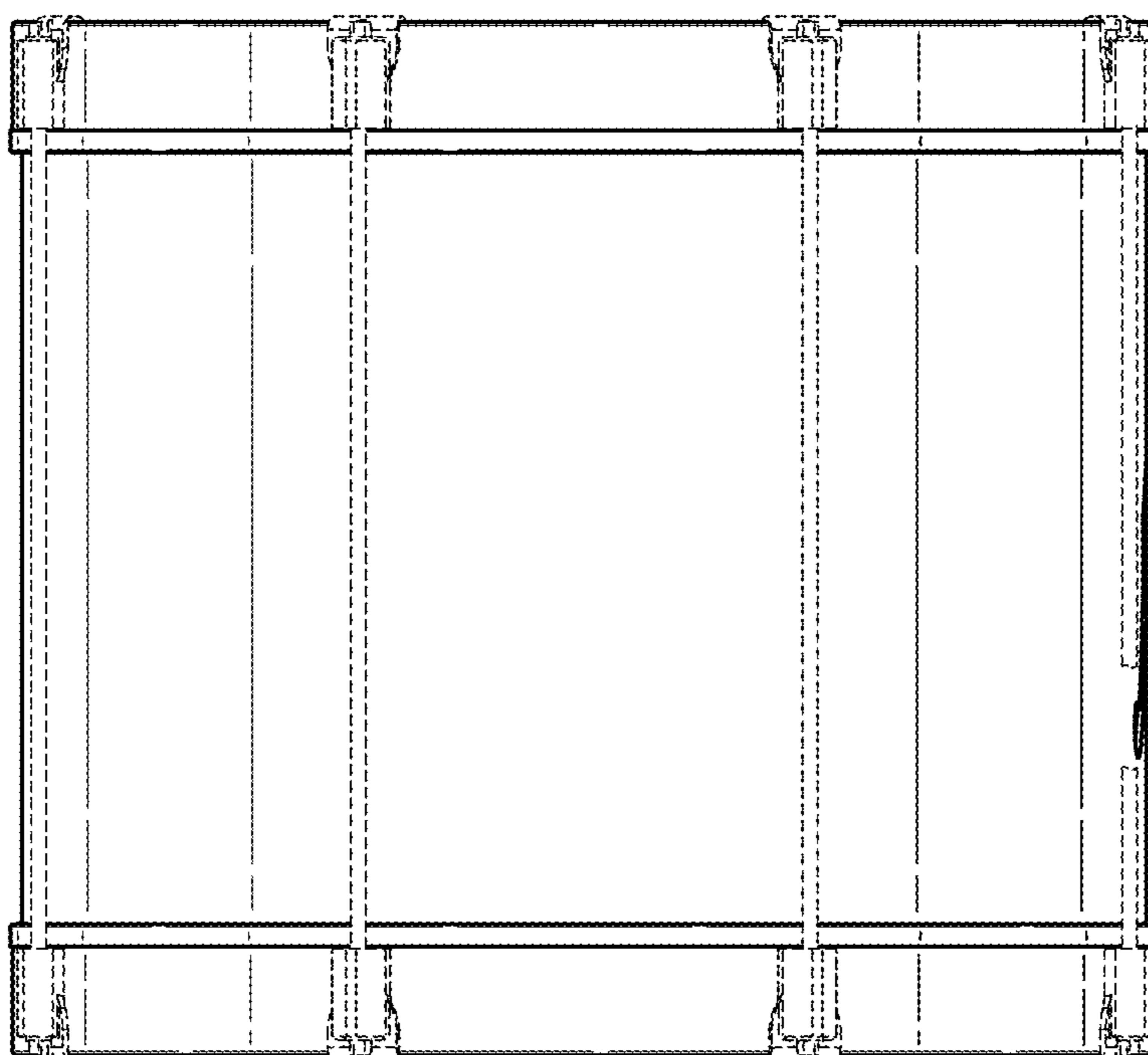


FIG. 5

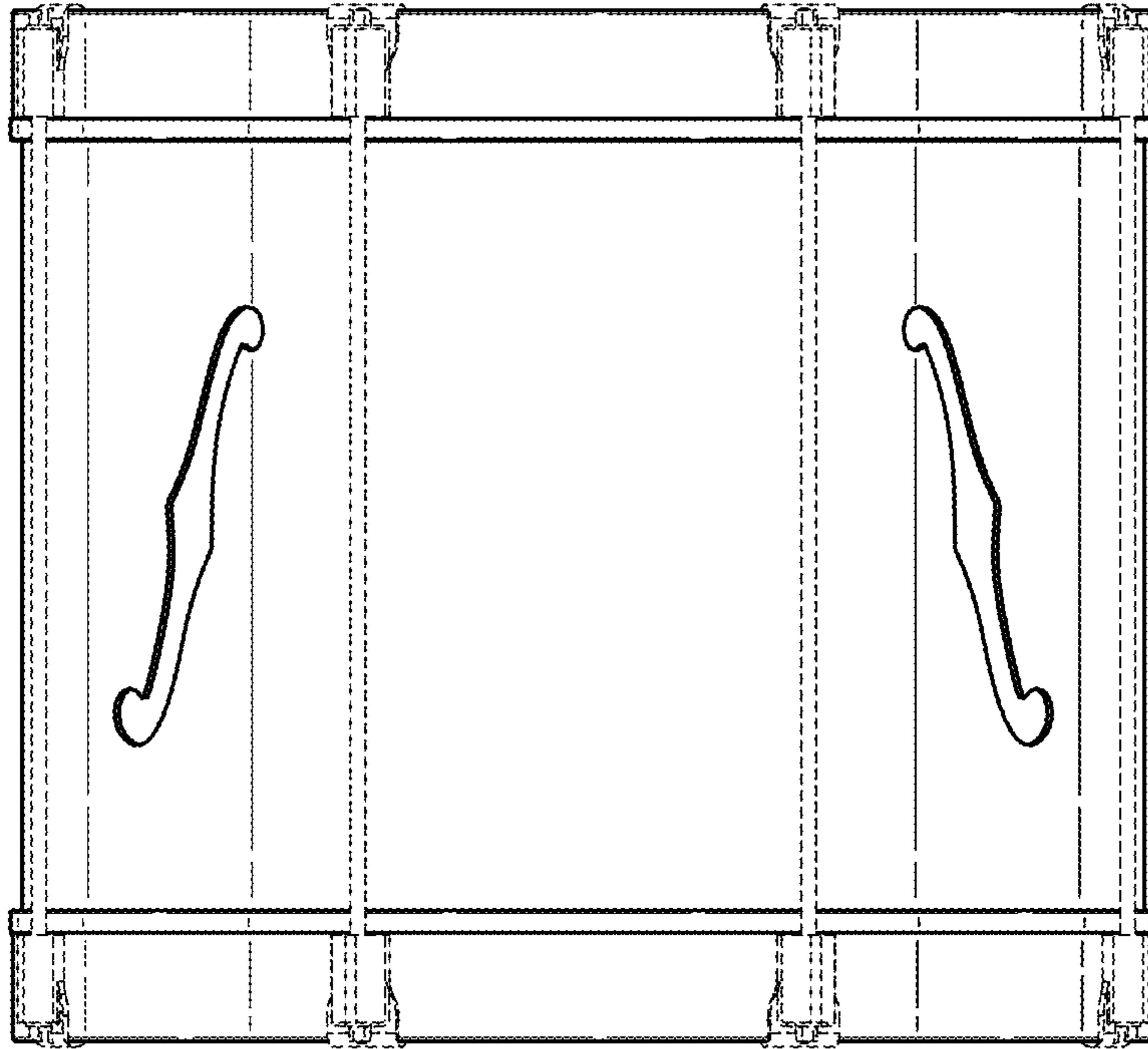


FIG. 6

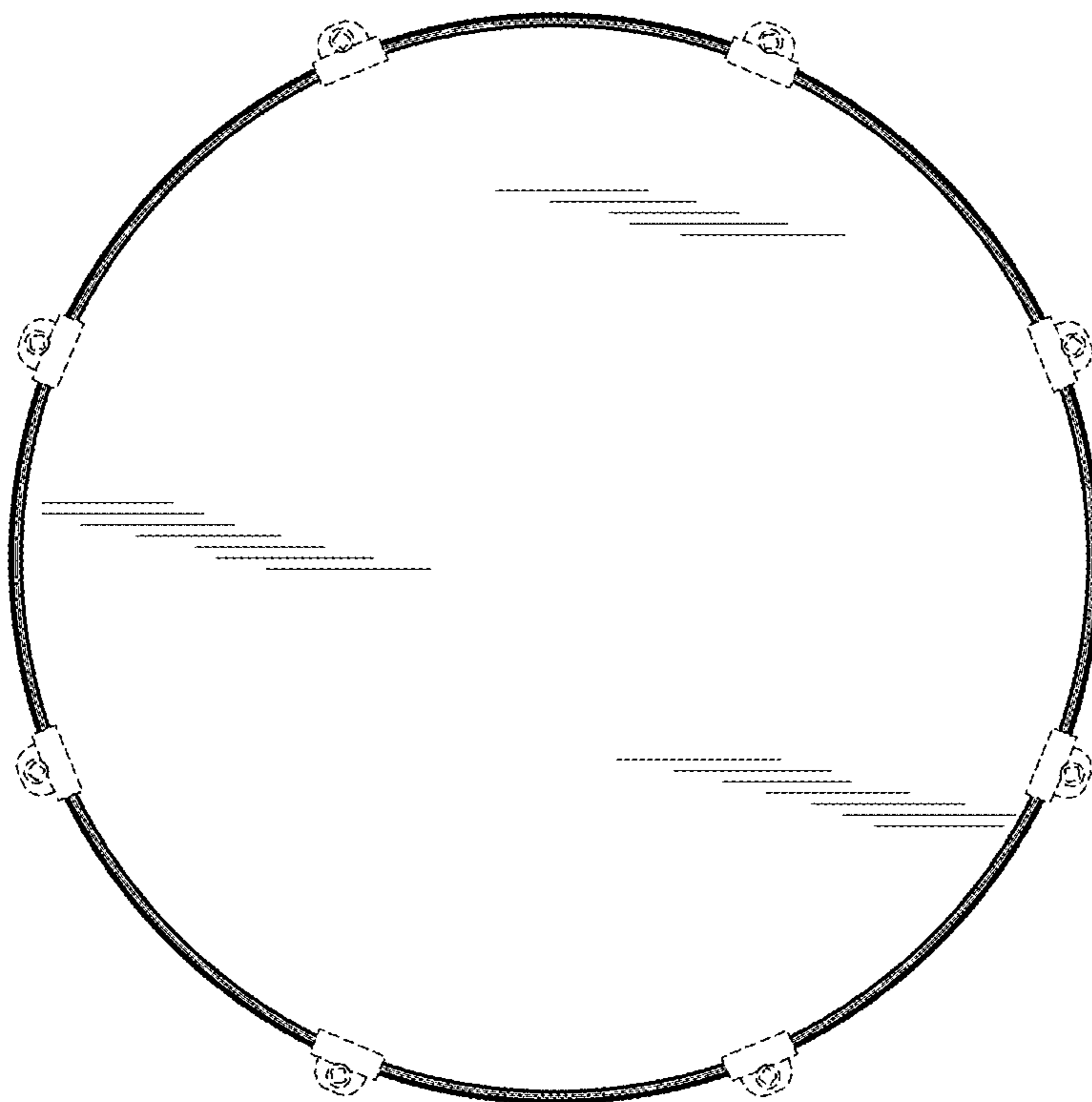


FIG. 7