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

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(54) **ORTHODONTIC APPLIANCE**
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(72) Inventor: **Christopher John Farrell**, Helensvale (AU)

3,312,218 A 4/1967 Jacobs
D212,848 S 12/1968 Jacobs
D215,685 S 10/1969 Helmer
3,692,025 A 9/1972 Greenberg
D281,532 S * 11/1985 Weissman D24/181
D289,795 S 5/1987 Andersson
5,028,231 A 7/1991 Hall
5,031,638 A 7/1991 Castaldi
(Continued)

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

(21) Appl. No.: **29/674,920**

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Related U.S. Application Data

(63) Continuation of application No. 29/614,187, filed on Aug. 16, 2017, now Pat. No. Des. 841,818.

(30) **Foreign Application Priority Data**

Feb. 16, 2017 (AU) 201710942

(51) **LOC (12) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/181**

(58) **Field of Classification Search**
USPC D24/176, 180-182; 433/6-7; 128/859, 128/861-862
CPC ... A61F 5/566; A61F 5/56; A61C 7/08; A61C 7/10; A61C 7/36; A63B 71/085; A63B 2071/086

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,827,899 A 3/1958 Altieri
3,207,153 A 9/1965 Goldstein
3,216,527 A 11/1965 Lewis
3,224,443 A 12/1965 Monaghan
3,234,942 A 2/1966 Simor
3,236,235 A 2/1966 Jacobs
3,247,844 A 4/1966 Berghash

FOREIGN PATENT DOCUMENTS

AU 656715 B2 2/1995
AU 676142 B2 3/1997
(Continued)

OTHER PUBLICATIONS

International Search Report from PCT/AU2005/001598, dated Oct. 10, 2005.

(Continued)

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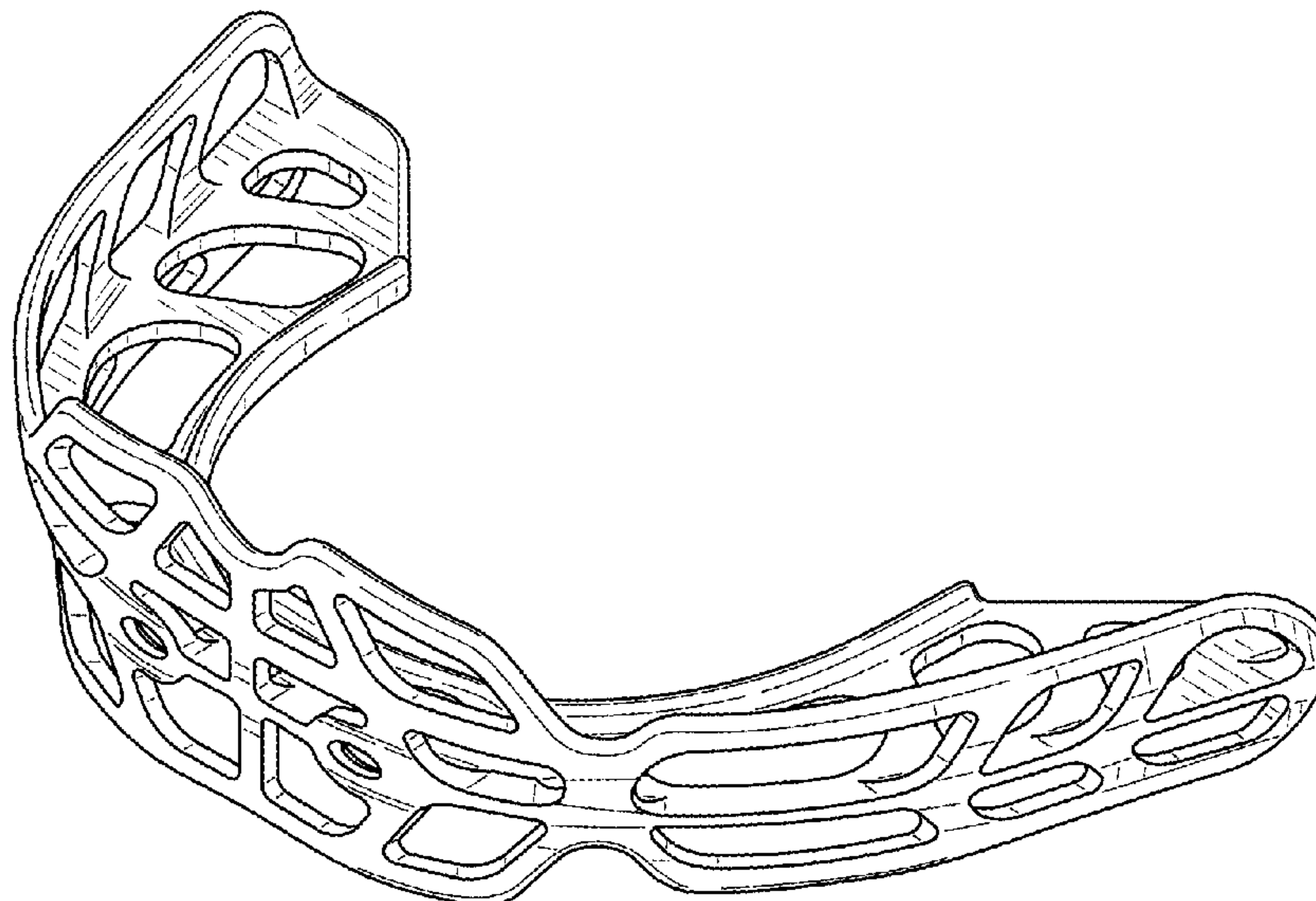
(57) **CLAIM**

The ornamental design for an orthodontic appliance, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of an orthodontic appliance according to my design;
FIG. 2 is a rear perspective view thereof;
FIG. 3 is a front elevation view thereof;
FIG. 4 is a rear elevation view thereof;
FIG. 5 is a left side elevation view thereof;
FIG. 6 is a right side elevation view thereof;
FIG. 7 is a top plan view thereof; and,
FIG. 8 is a bottom plan view thereof.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

5,082,007 A 1/1992 Adell
 D328,494 S 8/1992 Schwendeman et al.
 5,259,762 A 11/1993 Farrell
 5,293,880 A 3/1994 Levitt
 5,406,962 A 4/1995 Adell
 D358,889 S 5/1995 Wong
 5,462,066 A 10/1995 Snyder
 5,592,951 A 1/1997 Castagnaro et al.
 5,624,257 A 4/1997 Farrell
 5,636,379 A 6/1997 Williams
 D382,965 S 8/1997 Wagner
 D406,647 S 3/1999 Wagner
 D408,919 S 4/1999 Cooley
 6,082,363 A 7/2000 Washburn
 6,170,485 B1 1/2001 Orrico
 6,368,106 B1 4/2002 Clark
 6,494,210 B1 12/2002 Mams
 6,508,251 B2 1/2003 Kittelsen et al.
 D473,976 S 4/2003 Wilkens
 6,584,978 B1 7/2003 Brett et al.
 6,598,605 B1 7/2003 Kittelsen et al.
 6,637,436 B2 10/2003 Farrell
 D492,785 S 7/2004 Garabito
 6,837,246 B1 1/2005 DeLuke
 D509,028 S 8/2005 Farrell
 6,935,857 B1 8/2005 Farrell
 D530,863 S 10/2006 Manzo et al.
 D537,987 S 3/2007 Manzo et al.
 D539,429 S 3/2007 Wong
 7,210,483 B1 5/2007 Lesniak et al.
 D548,402 S 8/2007 Trodick
 7,404,403 B2 7/2008 Farrell
 D595,413 S 6/2009 Farrell
 D609,347 S 2/2010 Farrell
 D609,348 S 2/2010 Farrell
 7,790,009 B2 9/2010 Moller et al.
 D626,292 S 10/2010 Farrell
 7,810,503 B2* 10/2010 Magnin A61F 5/566
 128/848
 D627,107 S 11/2010 Manzo et al.
 D629,909 S 12/2010 Chiu
 D642,277 S 7/2011 Farrell
 D652,575 S 1/2012 Farrell
 D652,576 S 1/2012 Farrell
 8,105,079 B2 1/2012 Farrell
 D654,173 S 2/2012 Farrell
 D654,595 S 2/2012 Farrell
 8,215,312 B2 7/2012 Garabadian et al.
 8,322,344 B2 12/2012 Fisher et al.

8,459,987 B2 6/2013 Farrell
 8,496,009 B2 7/2013 Manzo
 D717,447 S 11/2014 Farrell
 D717,448 S 11/2014 Farrell
 D717,449 S 11/2014 Farrell
 D717,450 S 11/2014 Farrell
 D717,451 S 11/2014 Farrell
 8,920,163 B2 12/2014 Farrell
 D722,171 S 2/2015 Bergersen
 9,022,903 B2 5/2015 Rafih et al.
 D782,743 S 3/2017 Engel et al.
 D799,049 S 10/2017 Farrell
 D800,317 S 10/2017 Farrell
 10,251,729 B1* 4/2019 Raslambekov A61C 7/08
 2003/0101999 A1 6/2003 Kittelsen et al.
 2004/0103905 A1 6/2004 Farrell
 2004/0154625 A1 8/2004 Foley
 2004/0154626 A1 8/2004 Washburn et al.
 2005/0115571 A1 6/2005 Jacobs
 2006/0065277 A1 3/2006 Jacobs
 2006/0084024 A1 4/2006 Farrell
 2007/0240724 A1 10/2007 Bergersen
 2007/0254256 A1 11/2007 Farrell
 2008/0295850 A1 12/2008 Lesniak
 2010/0196837 A1 8/2010 Farrell
 2010/0227289 A1 9/2010 Farrell
 2011/0091833 A1 4/2011 Farrell
 2013/0059262 A1 3/2013 Farrell
 2013/0244195 A1 9/2013 Farrell
 2014/0352704 A1 12/2014 Farrell
 2014/0363781 A1 12/2014 Farrell
 2018/0078405 A1 3/2018 Farrell
 2018/0250577 A1* 9/2018 Lin A63B 71/085

FOREIGN PATENT DOCUMENTS

AU 2002335795 B2 10/2007
 AU 319889 6/2008
 AU 319890 6/2008
 AU 2013205854 B2 3/2014
 EM 0008835410001 4/2008
 EM 0008835410002 4/2008
 WO 2003101331 A2 12/2003
 WO 2006108209 A1 10/2006
 WO 2009026659 A1 3/2009

OTHER PUBLICATIONS

International Search Report from PCT/AU2008/001293, dated Dec. 22, 2008.

* cited by examiner

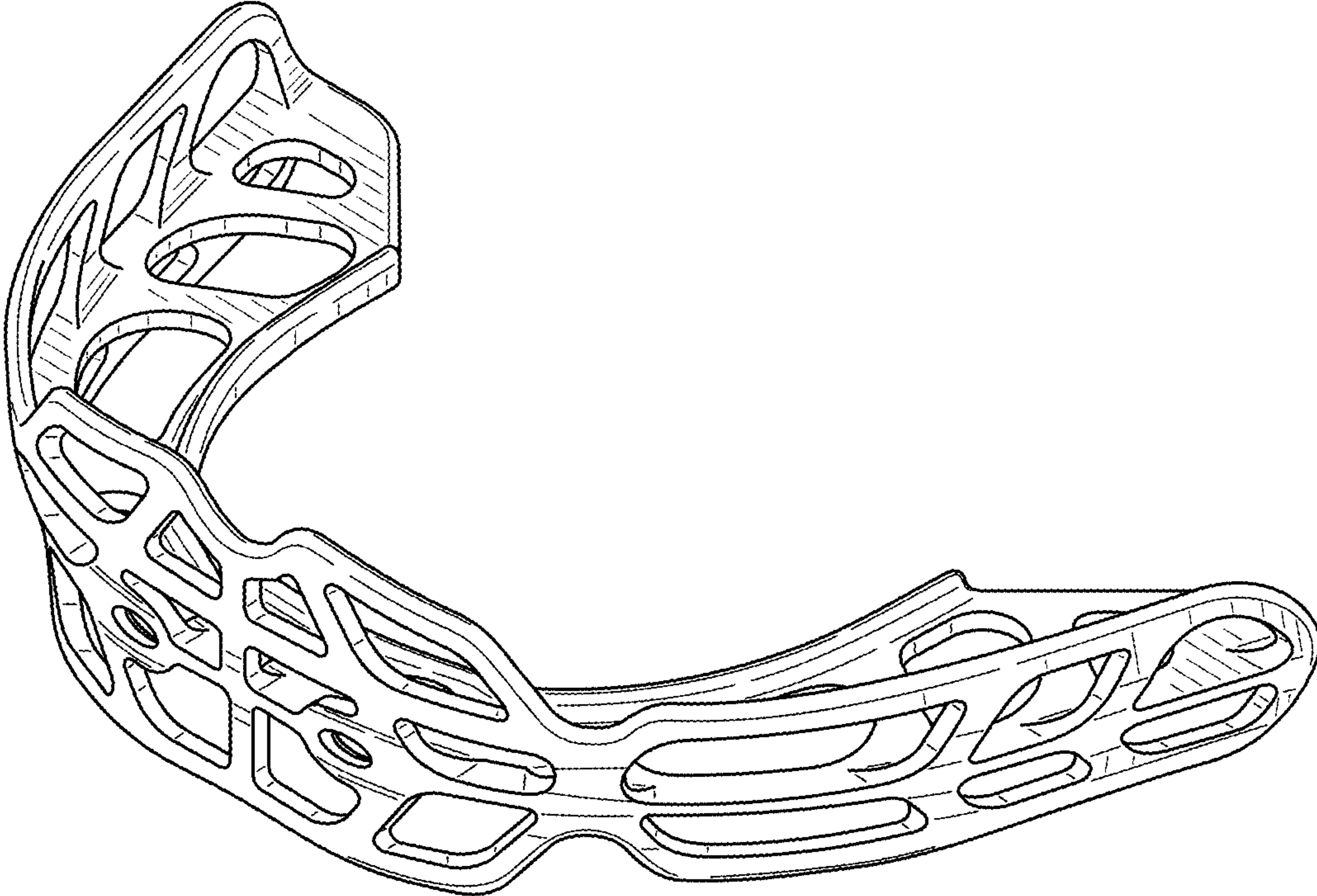


FIG. 1

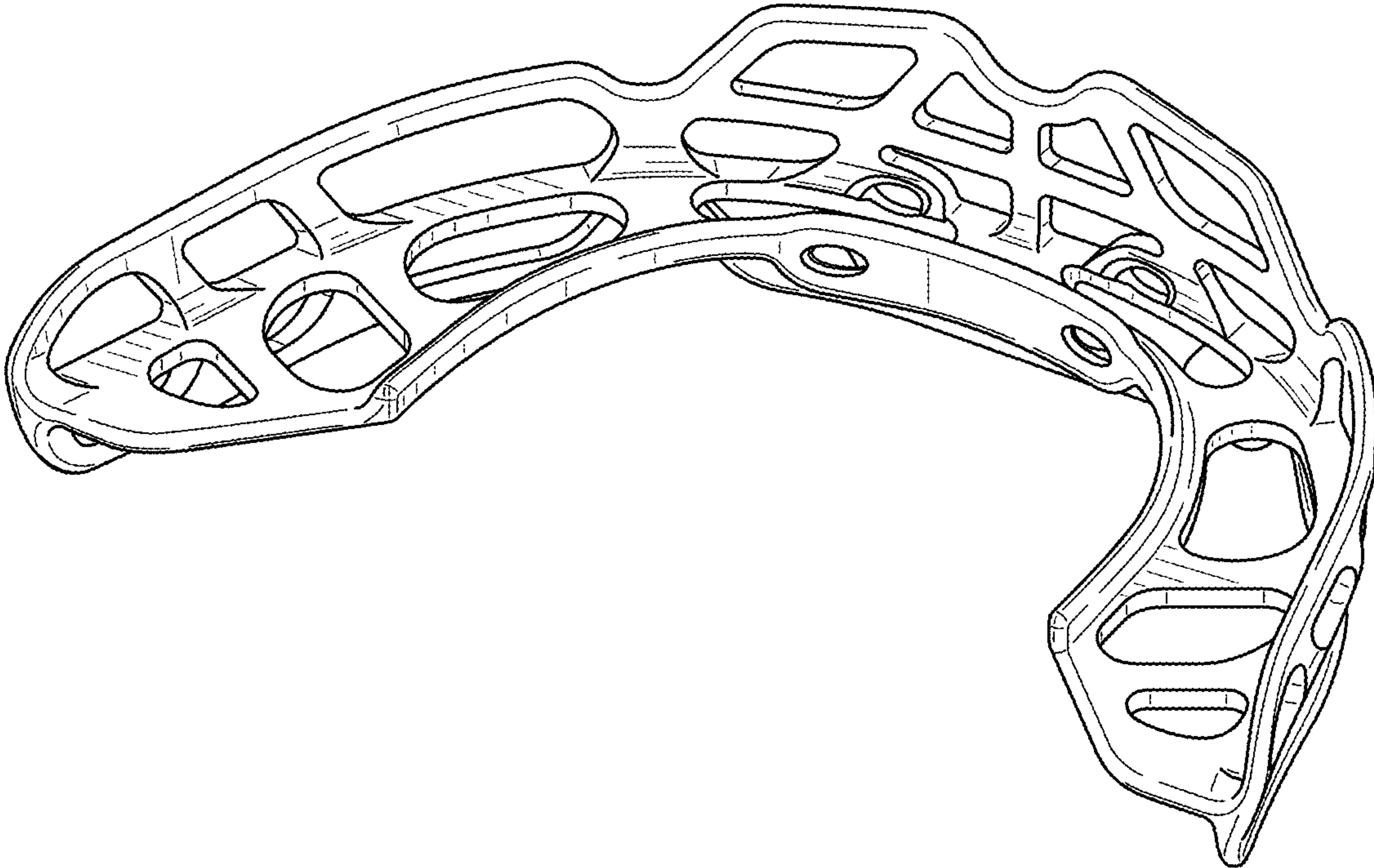


FIG. 2

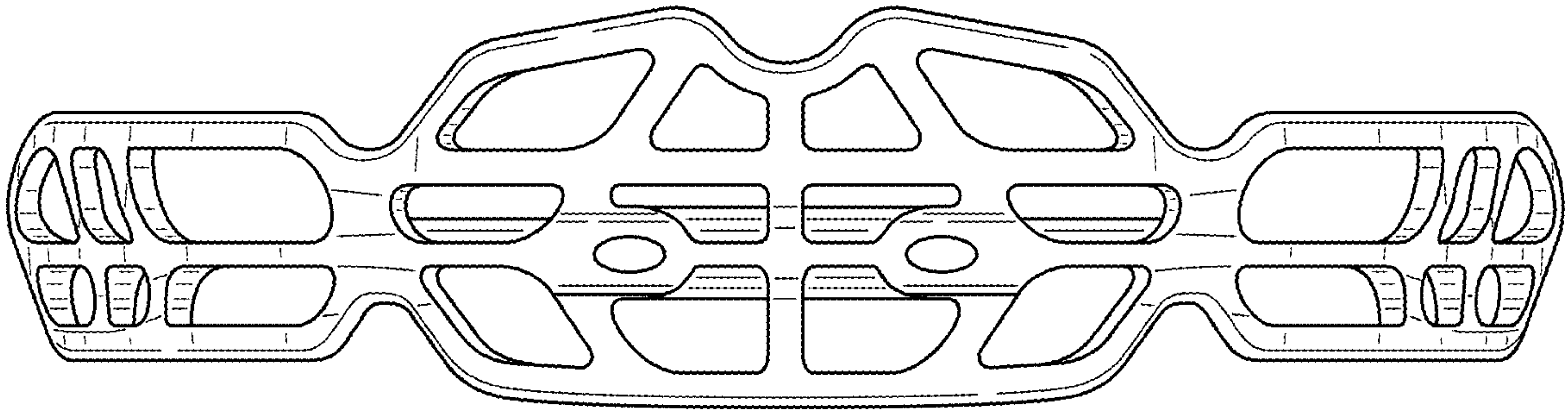


FIG. 3

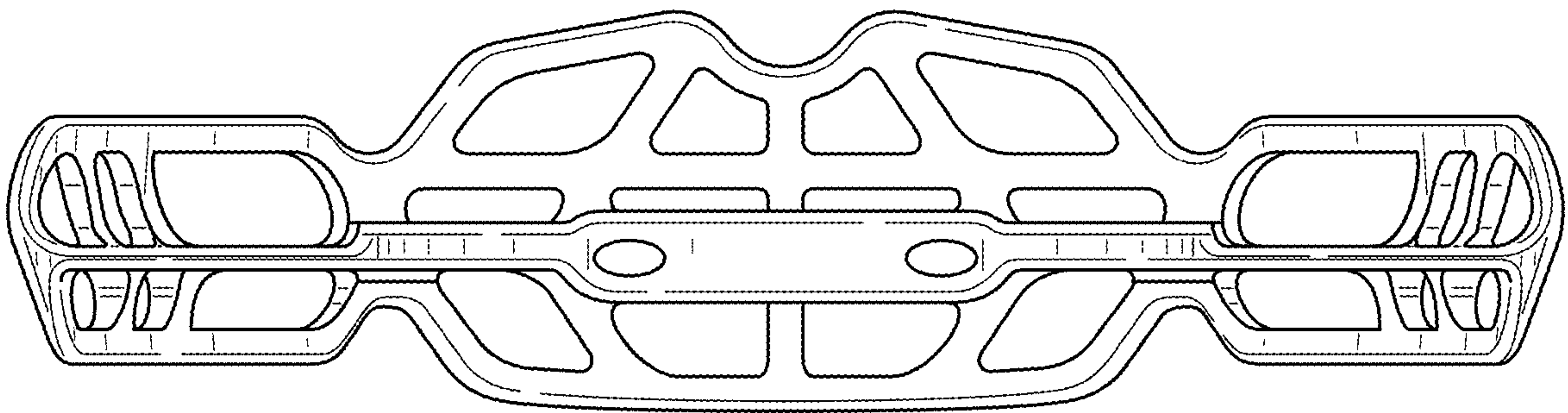


FIG. 4

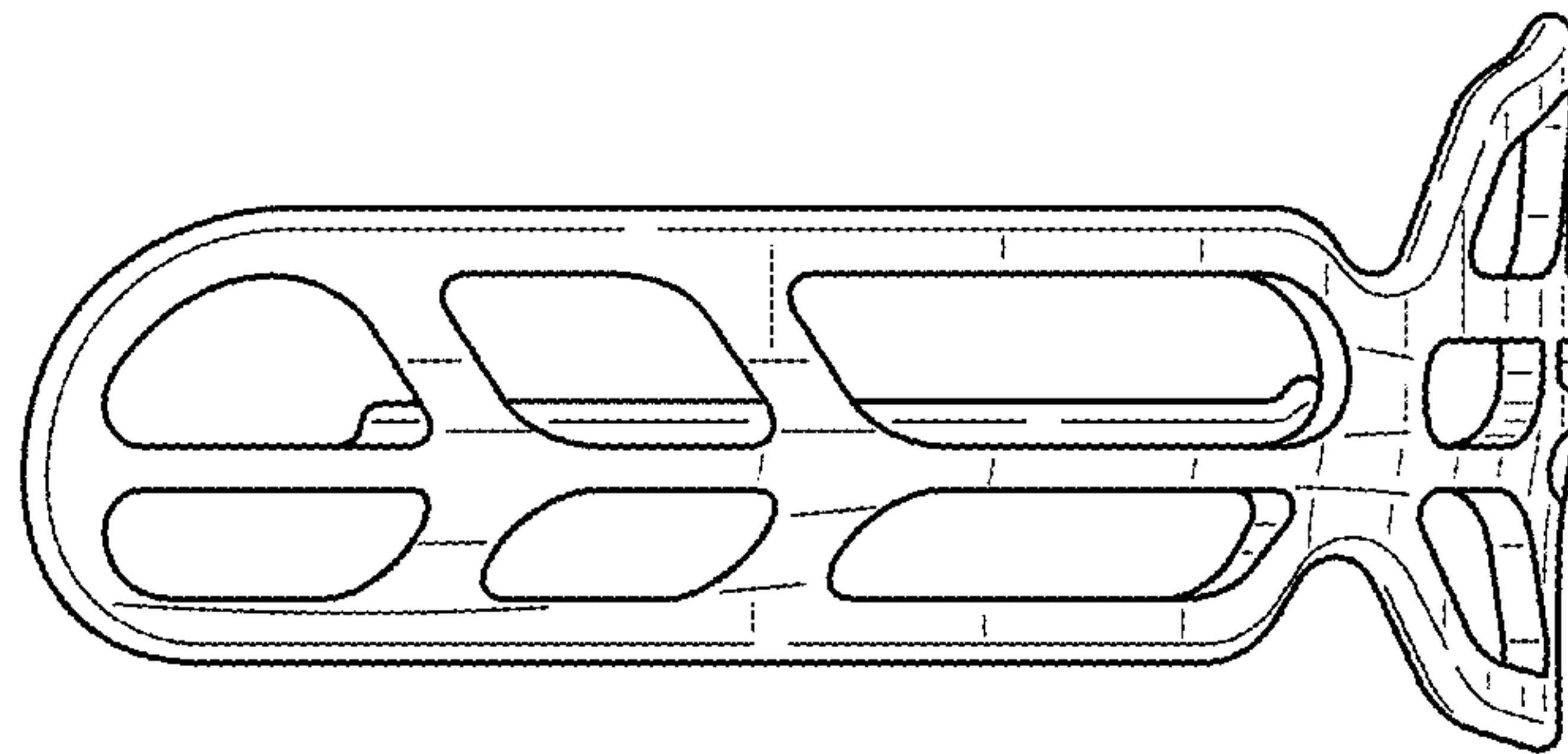


FIG. 5

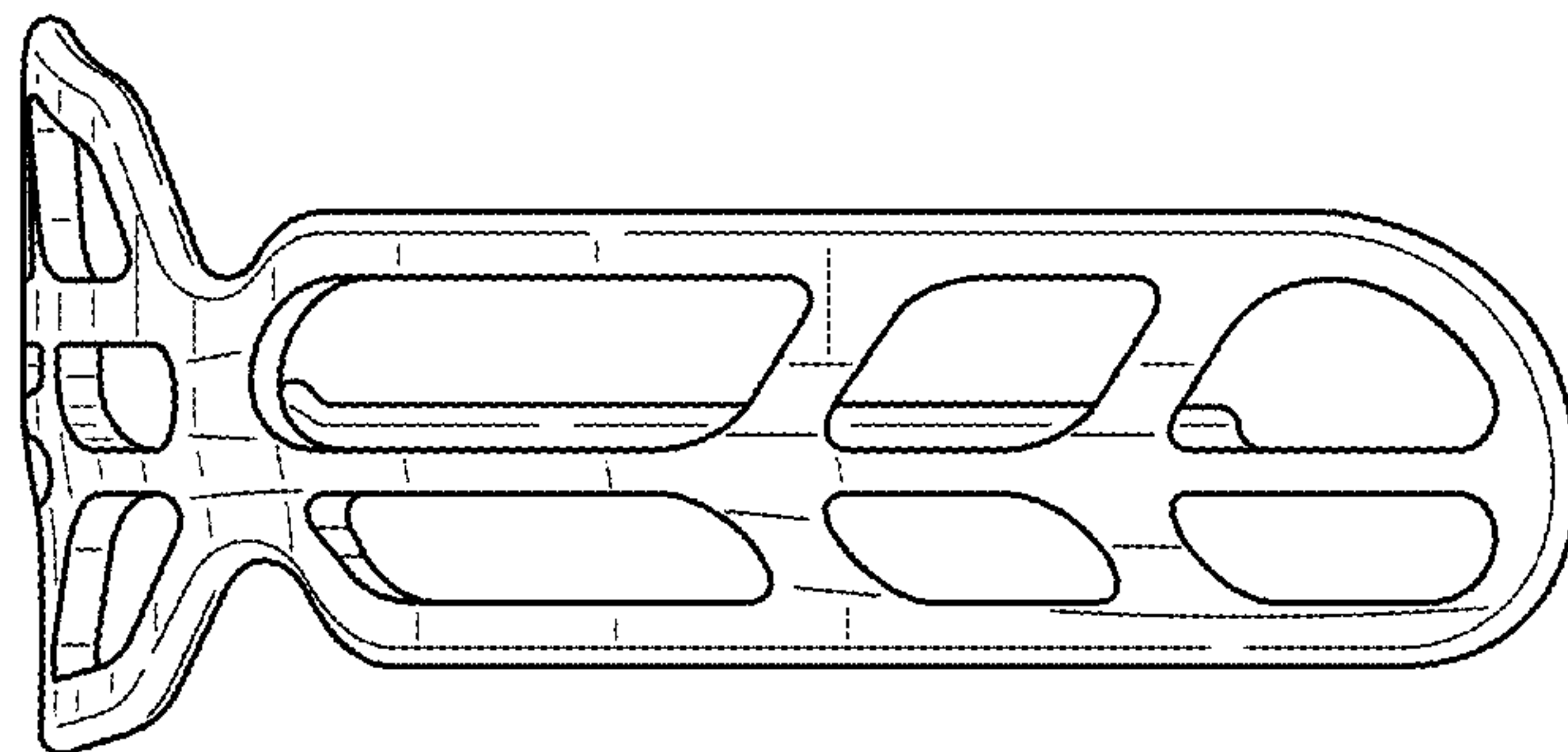


FIG. 6

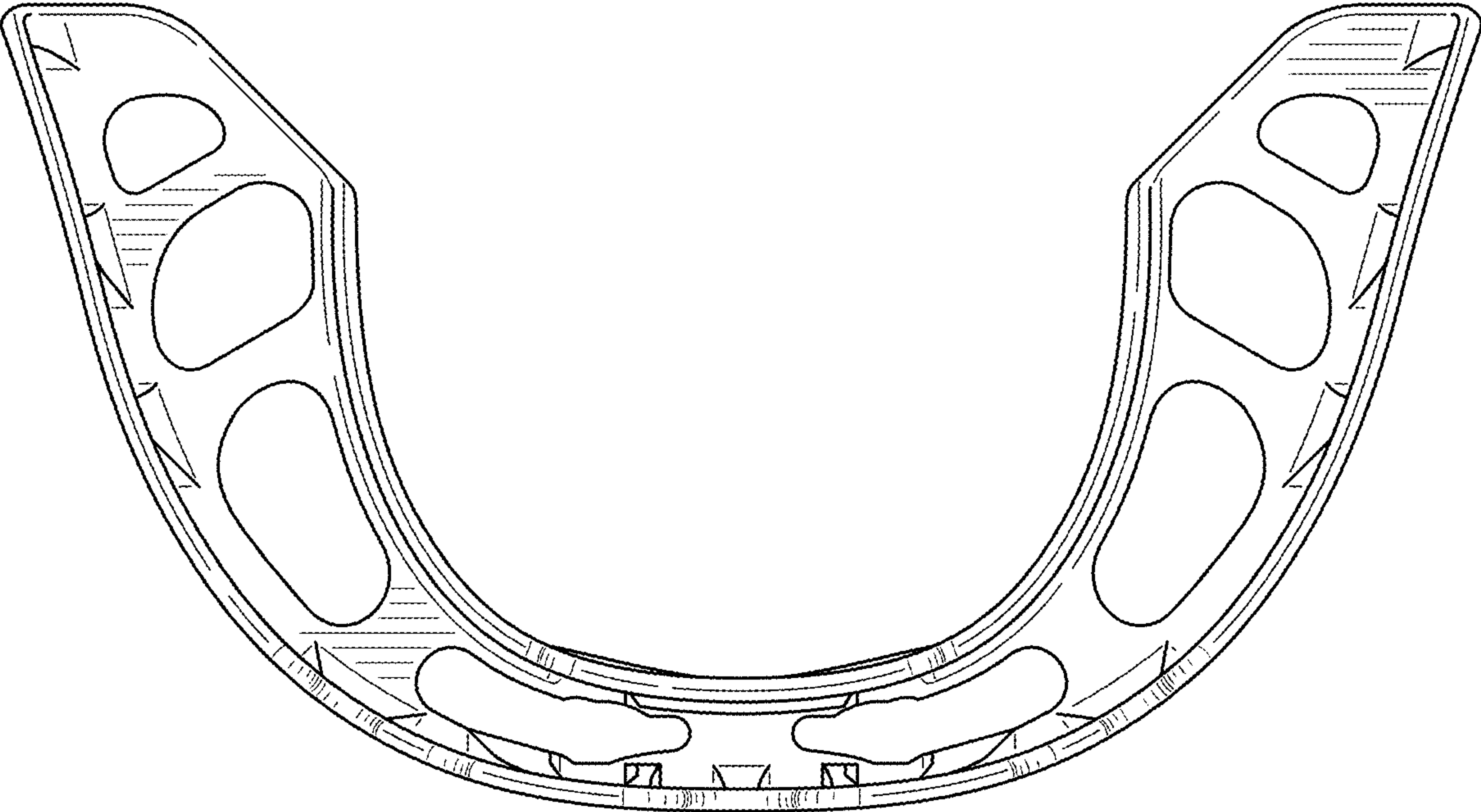


FIG. 7

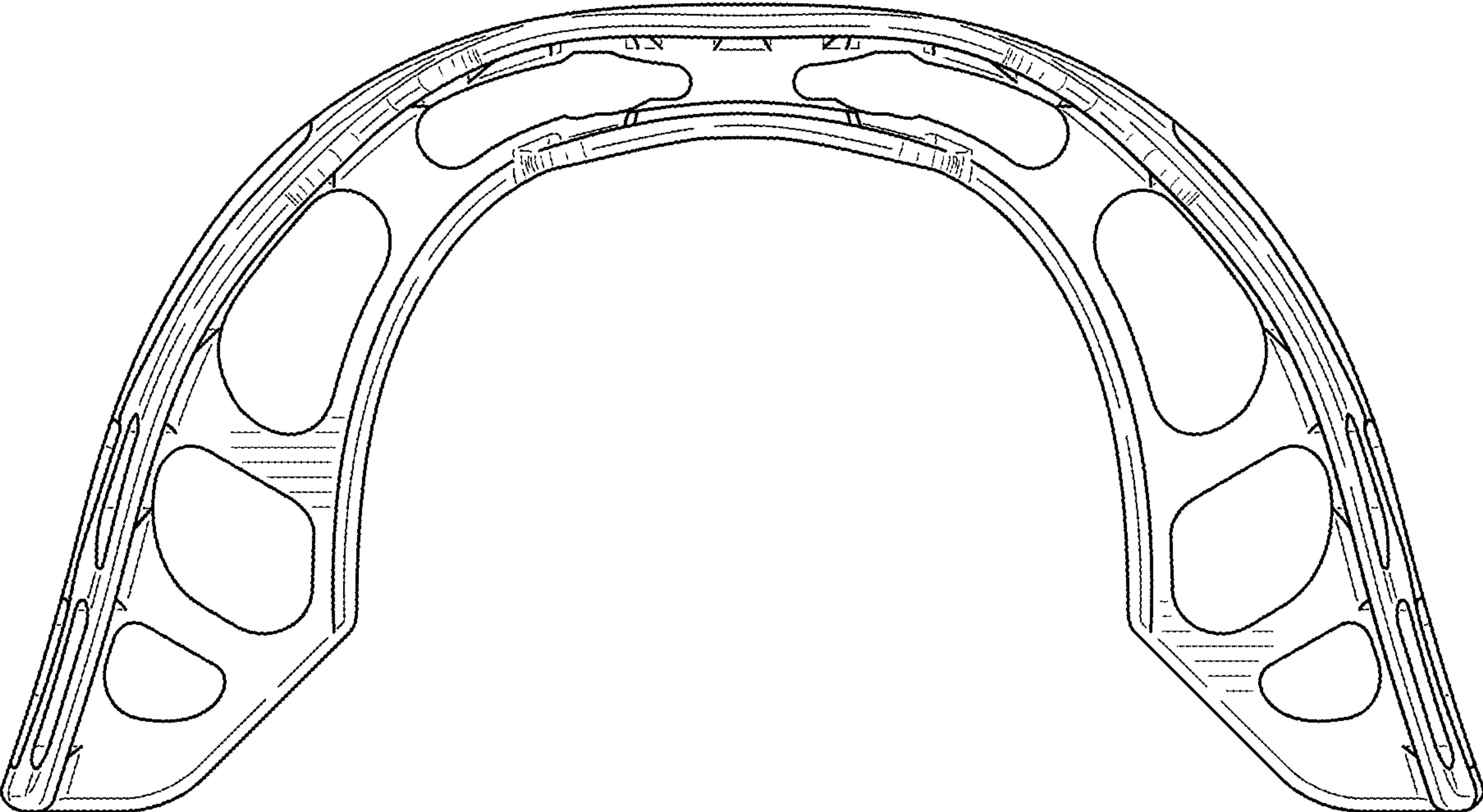


FIG. 8