



US00D897523S

(12) **United States Design Patent** (10) **Patent No.:** **US D897,523 S**
Babbage et al. (45) **Date of Patent:** **** Sep. 29, 2020**

- (54) **NASAL CANNULA BODY**
- (71) Applicant: **Fisher & Paykel Healthcare Limited**, Auckland (NZ)
- (72) Inventors: **Sean Joel Babbage**, Auckland (NZ); **Peter Geoffrey Hawkins**, Auckland (NZ); **Kevin Peter O'Donnell**, Auckland (NZ); **Jason Allan Klenner**, Auckland (NZ); **Mark Thomas O'Connor**, Auckland (NZ); **Milanjot Singh Assi**, Auckland (NZ)
- (73) Assignee: **Fisher & Paykel Healthcare Limited**, Auckland (NZ)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/666,359**
- (22) Filed: **Oct. 11, 2018**

Related U.S. Application Data

- (60) Continuation of application No. 29/614,636, filed on Aug. 21, 2017, now Pat. No. Des. 834,703, which is a division of application No. 29/551,896, filed on Jan. 18, 2016, now Pat. No. Des. 796,027, which is a division of application No. 29/470,958, filed on Oct. 25, 2013, now Pat. No. Des. 747,792.

- (51) **LOC (12) Cl.** **29-02**
- (52) **U.S. Cl.**
USPC **D24/110**
- (58) **Field of Classification Search**
USPC D24/110, 110.1-110.6; D16/130;
128/206.11, 207.11, 207.13, 207.18,
128/205.25, 207.1, 200.24, 204.11
CPC A61B 17/3421; A61M 1/3659; B29L
2031/7548

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 4,454,880 A 6/1984 Muto et al.
- 5,335,656 A 8/1994 Nowe et al.

- 6,119,694 A 9/2000 Correa et al.
 - D533,269 S 12/2006 McAuley et al.
 - 7,178,525 B2 2/2007 Matula et al.
- (Continued)

FOREIGN PATENT DOCUMENTS

- AU 2014263285 C1 5/2014
 - AU 2019202375 A2 4/2019
- (Continued)

OTHER PUBLICATIONS

Extended European Search Report; Application No. 19205706.5—1122, dated Feb. 11, 2020, in 17 pages.
(Continued)

Primary Examiner — Wan Laymon
Assistant Examiner — Mark Booker
(74) *Attorney, Agent, or Firm* — Knobbe, Martens, Olson & Bear LLP

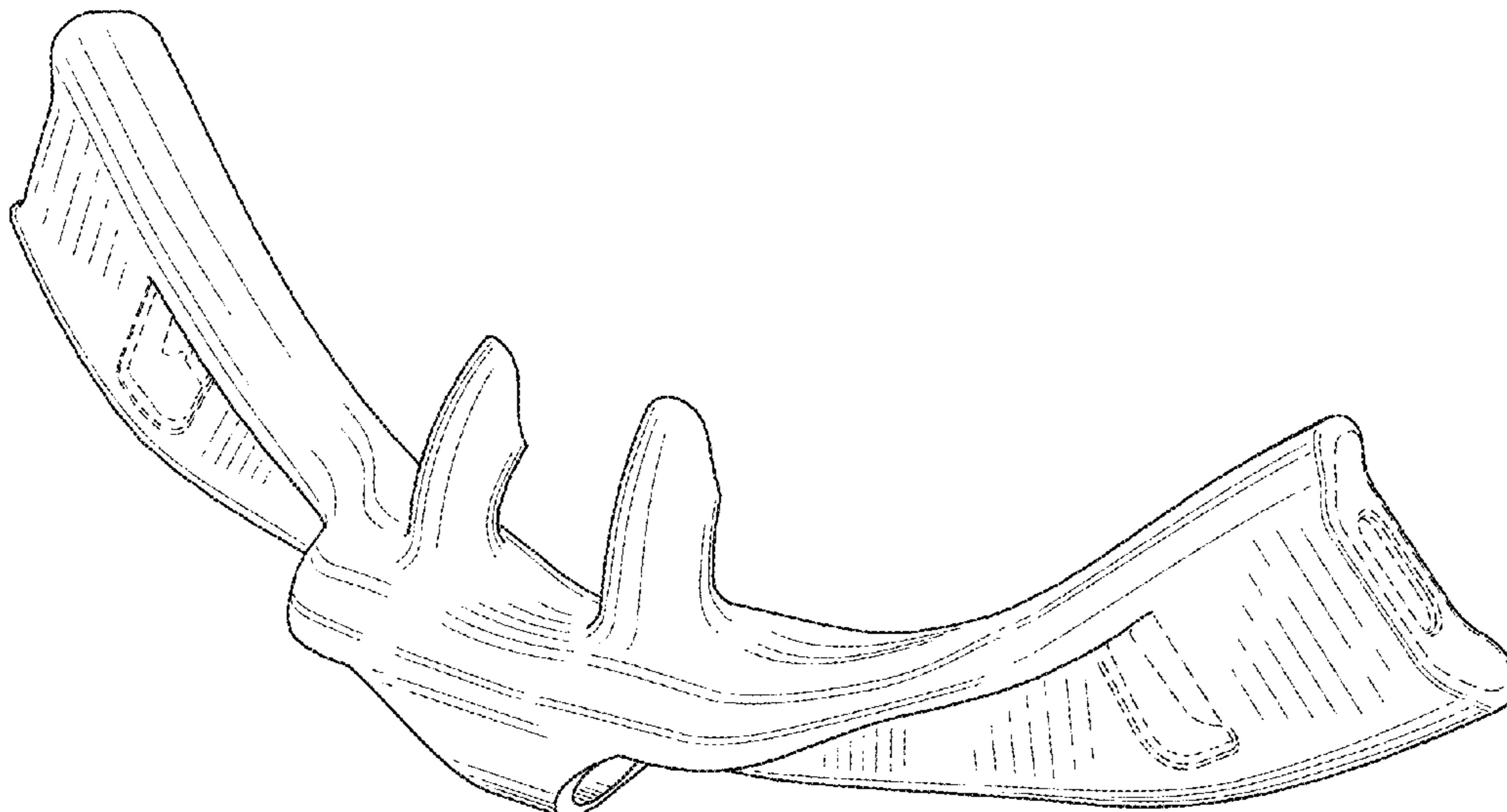
(57) **CLAIM**

The ornamental design for the nasal cannula body, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view showing a nasal cannula body that embodies the design.
FIG. 2 is a front view thereof.
FIG. 3 is a rear view thereof.
FIG. 4 is a left side view thereof.
FIG. 5 is a right side view thereof.
FIG. 6 is a top view thereof; and,
FIG. 7 is bottom view thereof.
Where utilized, the broken lines show portions of the nasal cannula body that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

7,231,921 B2 6/2007 Palmer
 D551,340 S 9/2007 Wood et al.
 D556,900 S 12/2007 Guney et al.
 D559,383 S 1/2008 Nalagatla et al.
 D566,835 S 4/2008 Andrews et al.
 D586,258 S * 2/2009 Guney D11/216
 D586,911 S 2/2009 McAuley et al.
 7,493,902 B2 2/2009 White et al.
 7,559,327 B2 7/2009 Hernandez
 D614,290 S 4/2010 Judson et al.
 D627,059 S 11/2010 Wood et al.
 D637,285 S 5/2011 Bradley et al.
 7,987,850 B2 8/2011 Zollinger et al.
 D650,741 S 12/2011 Sun et al.
 D665,496 S * 8/2012 Lee D24/110.5
 D692,554 S 10/2013 Siew et al.
 D703,464 S * 4/2014 Koch D6/546
 D724,720 S * 3/2015 O'Connor D24/112
 D745,141 S * 12/2015 Hung A61M 16/0683
 D24/110.5
 D747,792 S * 1/2016 Babbage D24/110
 D766,711 S * 9/2016 Babbage D8/394
 D796,027 S * 8/2017 Babbage D24/110
 D797,921 S * 9/2017 Huang D24/110.4
 9,907,925 B2 * 3/2018 McAuley A61M 16/0666
 D825,053 S * 8/2018 Ronayne D24/110.5
 D849,243 S * 5/2019 Wilson D24/110.4
 D859,646 S * 9/2019 Scampoli D24/110
 10,406,311 B2 9/2019 O'Donnell et al.
 D881,382 S * 4/2020 Chang D24/110.5
 2004/0244804 A1 12/2004 Olsen et al.
 2004/0261797 A1 * 12/2004 White A61M 16/0875
 128/206.11
 2005/0002882 A1 1/2005 Amari et al.
 2005/0028822 A1 * 2/2005 Sleeper A61M 16/045
 128/207.18
 2007/0186931 A1 8/2007 Zollinger et al.
 2008/0044808 A1 2/2008 Song
 2009/0004808 A1 1/2009 Lee et al.
 2010/0108073 A1 5/2010 Zollinger et al.

2010/0192957 A1 8/2010 Hobson et al.
 2010/0258136 A1 10/2010 Doherty et al.
 2011/0067704 A1 3/2011 Kooij et al.
 2012/0204870 A1 8/2012 McAuley et al.
 2012/0304999 A1 12/2012 Swift et al.
 2013/0008447 A1 1/2013 Gunaratnam et al.
 2013/0008449 A1 1/2013 Busch et al.
 2016/0015296 A1 * 1/2016 Garaycochea A61M 16/0672
 600/531
 2019/0262574 A1 8/2019 Sweeney et al.
 2019/0298961 A1 * 10/2019 Hsiung A61L 29/042
 2019/0344036 A1 11/2019 O'Donnell et al.

FOREIGN PATENT DOCUMENTS

EP 2994181 B1 4/2019
 EP 3626294 A1 4/2020
 GB 2465689 6/2010
 JP 2009-039528 2/2009
 NZ 724289 2/2019
 WO WO 2009/099995 8/2009
 WO WO 2011/062510 11/2010
 WO WO 2012/077036 6/2012
 WO WO 2012/085755 6/2012
 WO WO 2014/015382 1/2014
 WO WO 2014/142681 9/2014
 WO WO 2014/182179 11/2014

OTHER PUBLICATIONS

Examination Report under Section 18(3), Application No. GB1519979, 7, dated Jun. 21, 2019, in 6 pages.
 Taiwan Examination Report; Application No. 107134131, dated Aug. 2, 2019, 3 pages.
 Examination Report; Japanese Application No. 2019-065642, dated Apr. 6, 2020; 3 pages total including office action summary.
 Examination Report; Canadian Patent Application No. 2,911,413, dated May 28, 2020; 4 pages.
 Examination Report; Application No. GB2004846.8, dated Jun. 12, 2020; 2 pages.

* cited by examiner

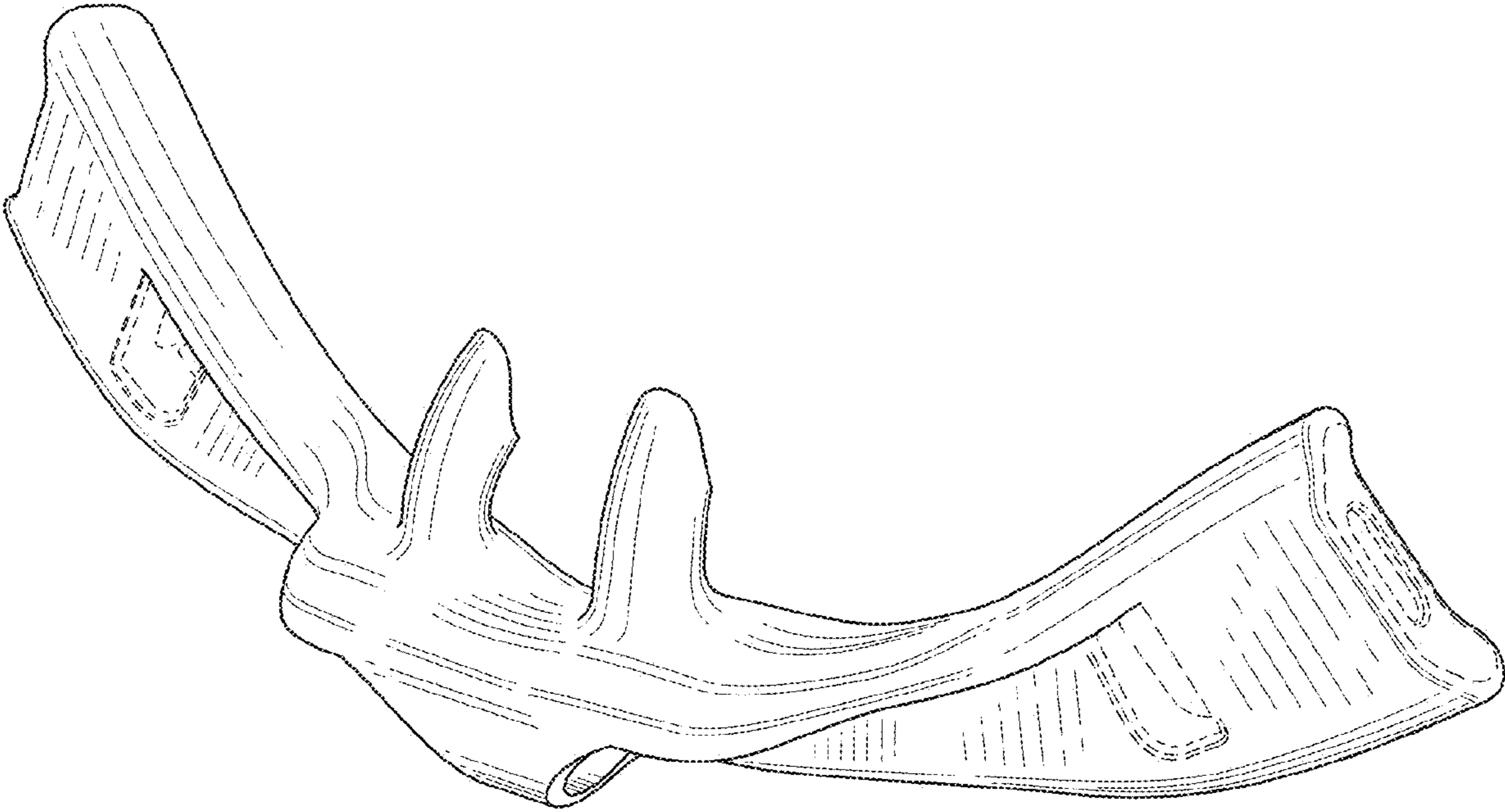


FIG. 1

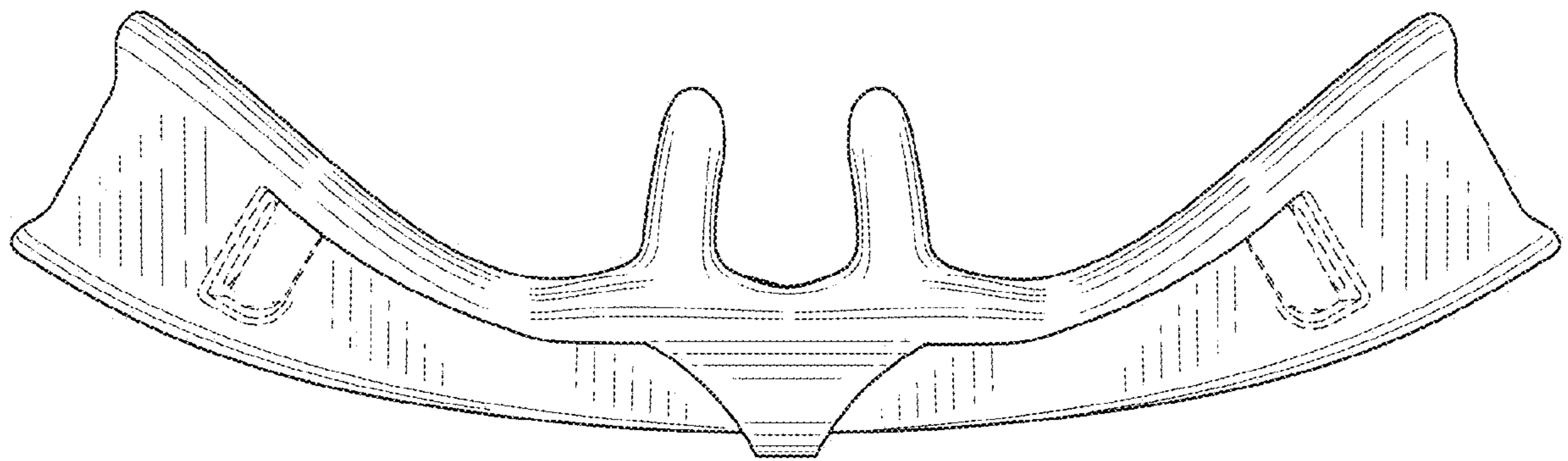


FIG. 2

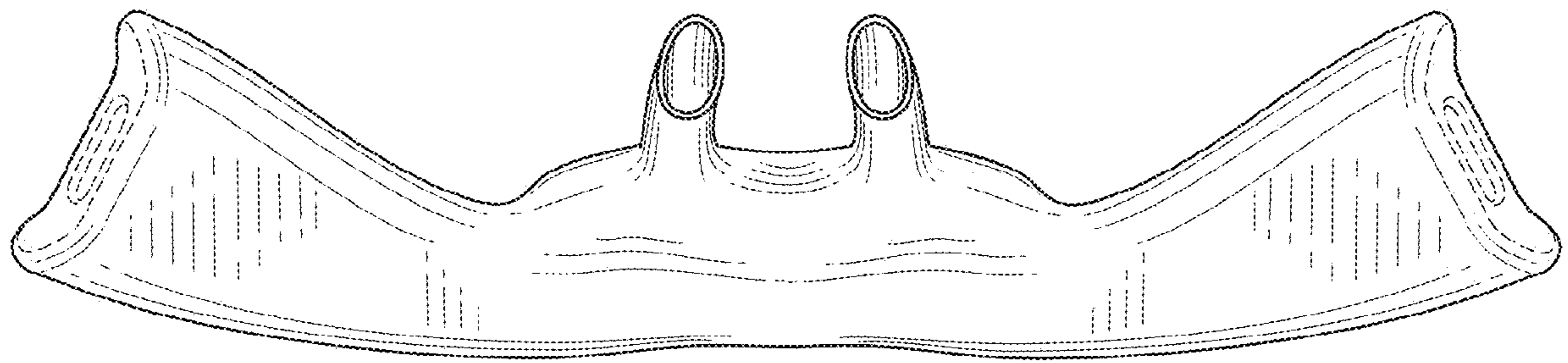


FIG. 3

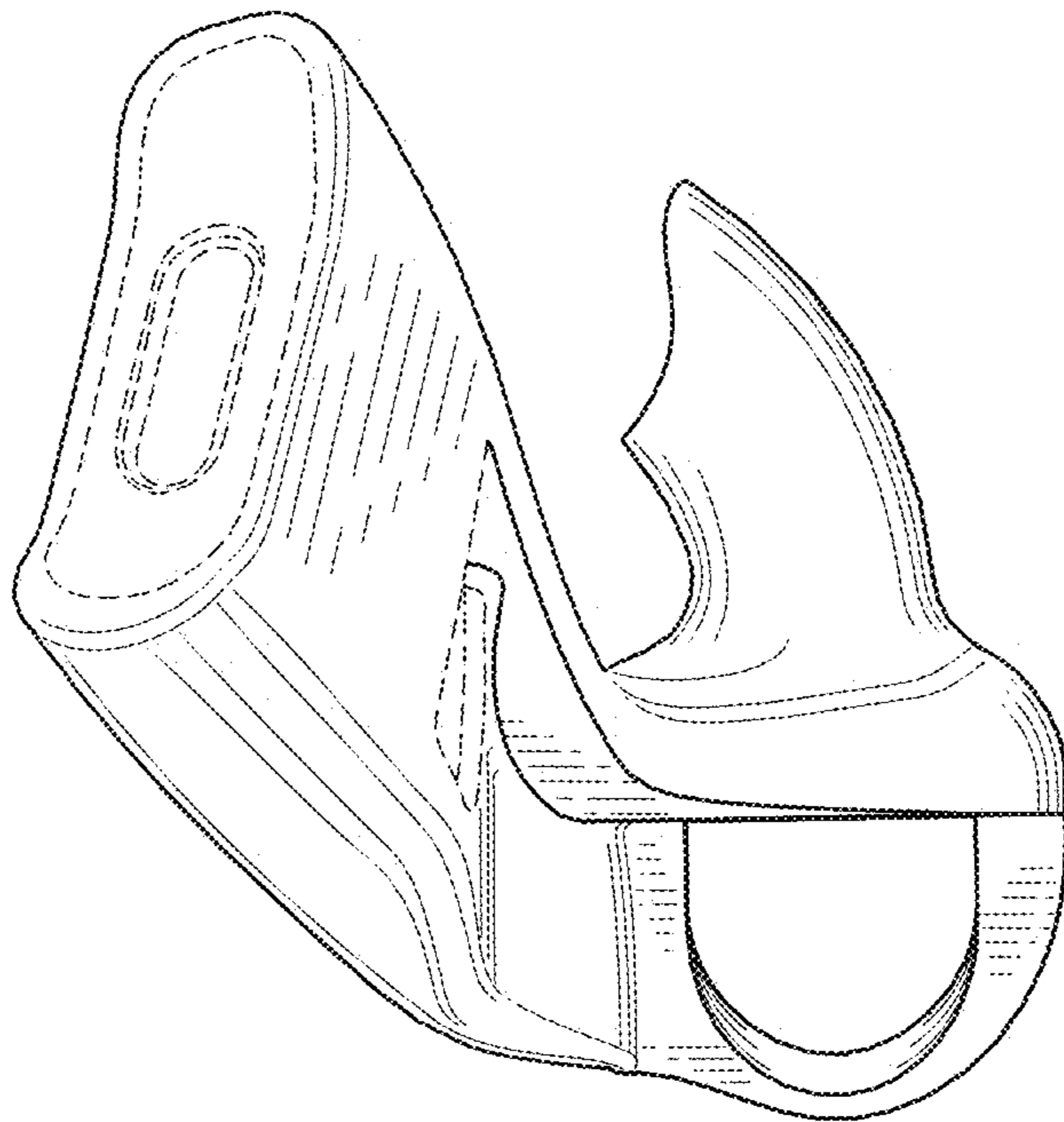


FIG. 4

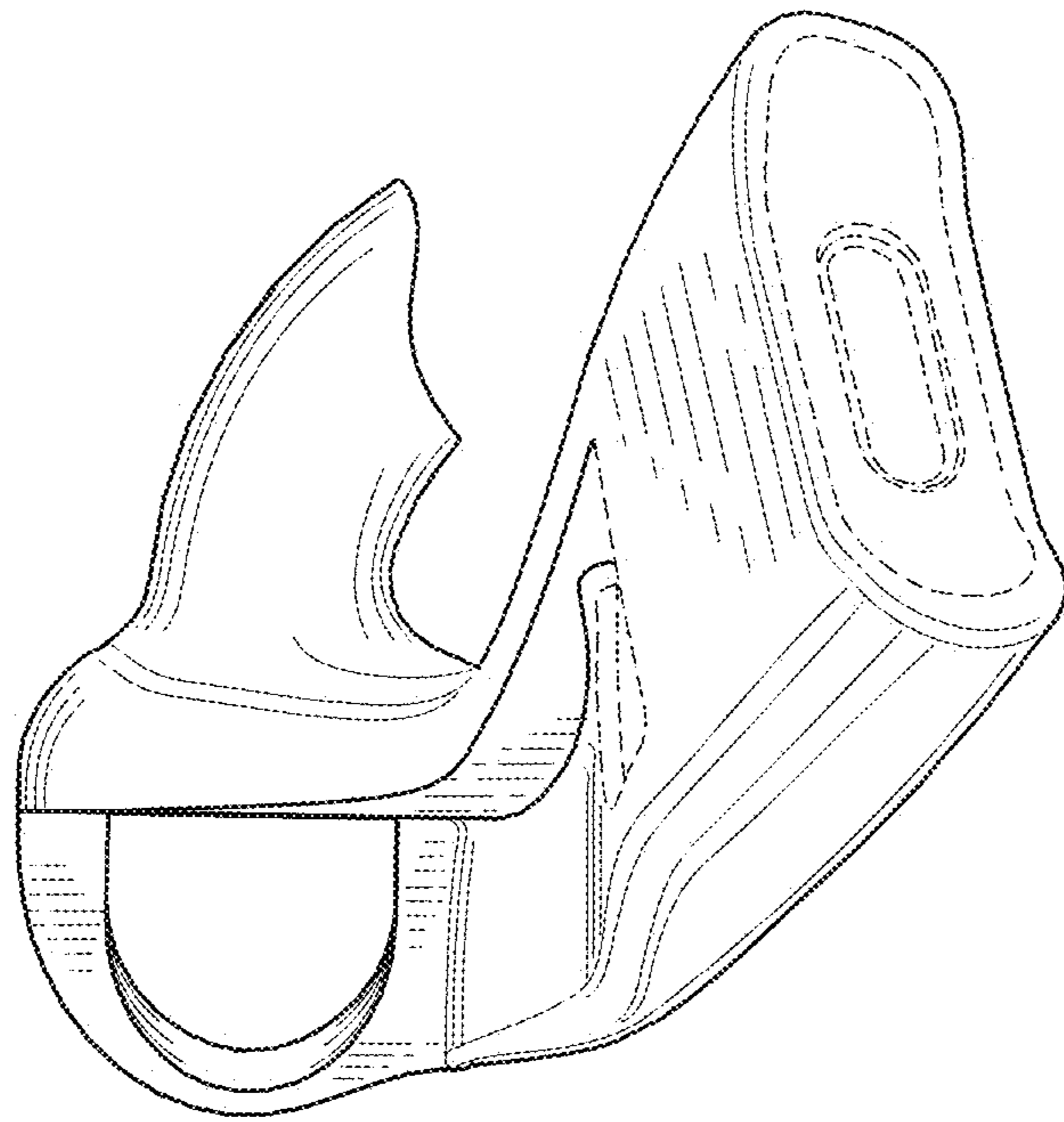


FIG. 5

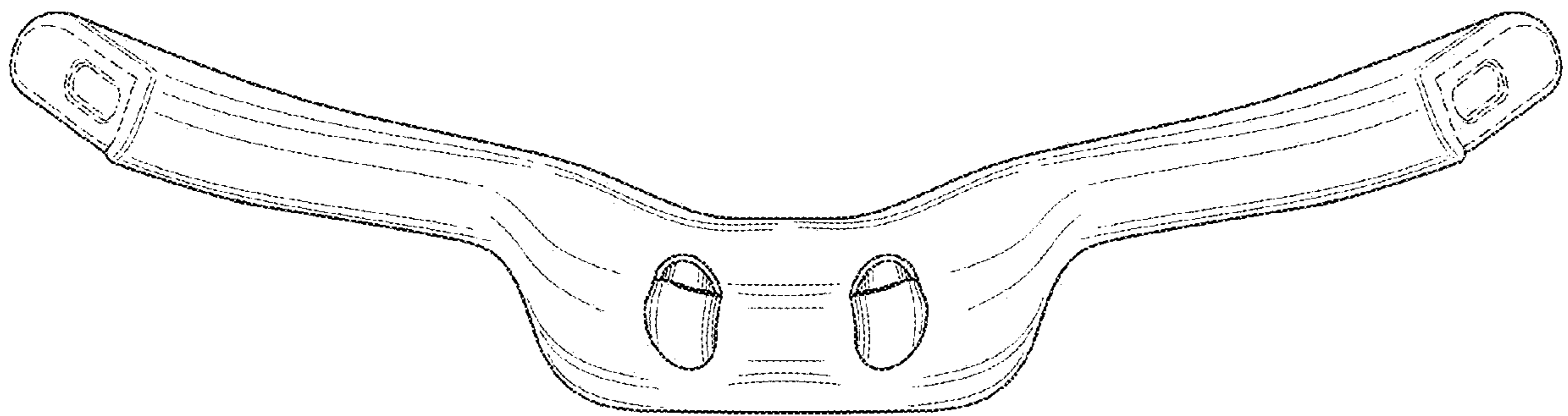


FIG. 6

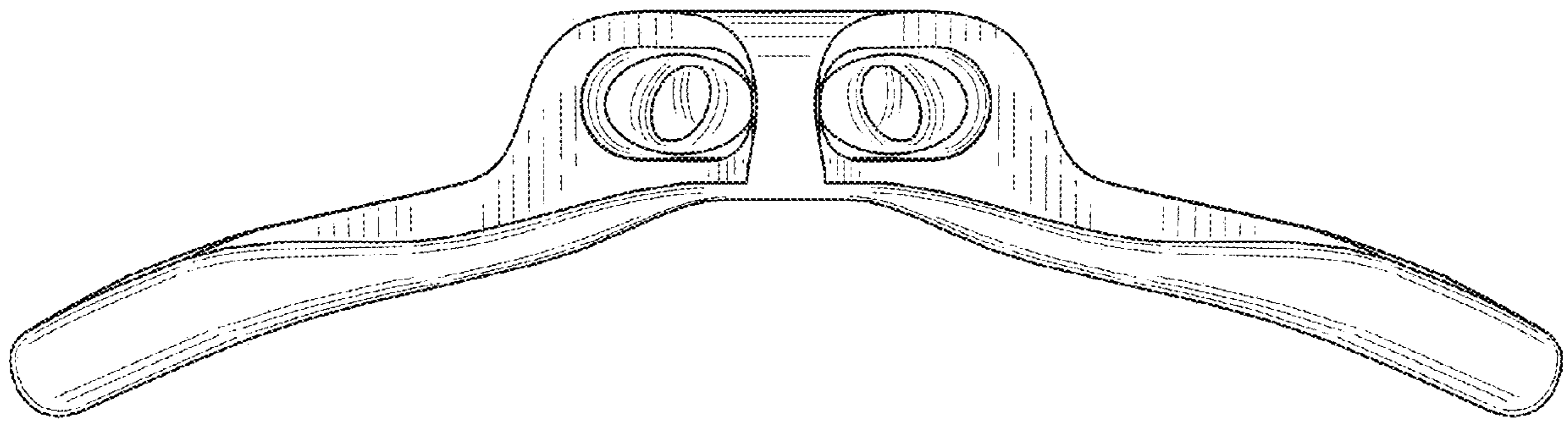


FIG. 7