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(12) **United States Design Patent**
Lee et al.

(10) **Patent No.:** **US D879,747 S**
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- (54) **EARHOOK FOR EARPHONE**
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- (**) Term: **15 Years**
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- (52) **U.S. Cl.**
USPC **D14/223**
- (58) **Field of Classification Search**
USPC D14/223, 205; D24/194, 132, 183; D13/199; D21/803, 801, 808, 809, 810, D21/492, 488; D8/107, 382, 349; D12/316; D23/269; D6/604; D3/327; D11/218, 202, 222; 181/129, 130, 135; 379/430, 431; 381/380, 381; 455/90.3, 455/575.1, 569.1; 24/20 R
CPC H04R 1/10; H04R 25/00; H04R 1/1066; H04R 1/1016; H04R 5/033; H04R 5/0335; H04R 1/105; H04R 1/1058
See application file for complete search history.

- 3,341,211 A * 9/1967 Houghton F16J 15/20 277/530
 - 3,390,889 A * 7/1968 Grover F16J 9/26 277/440
 - D230,254 S * 2/1974 Smith D8/399
- (Continued)

FOREIGN PATENT DOCUMENTS

- CN 301361316 10/2010
 - CN 301365125 10/2010
- (Continued)

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(57) **CLAIM**

The ornamental design for an earhook for earphone, as shown and described.

DESCRIPTION

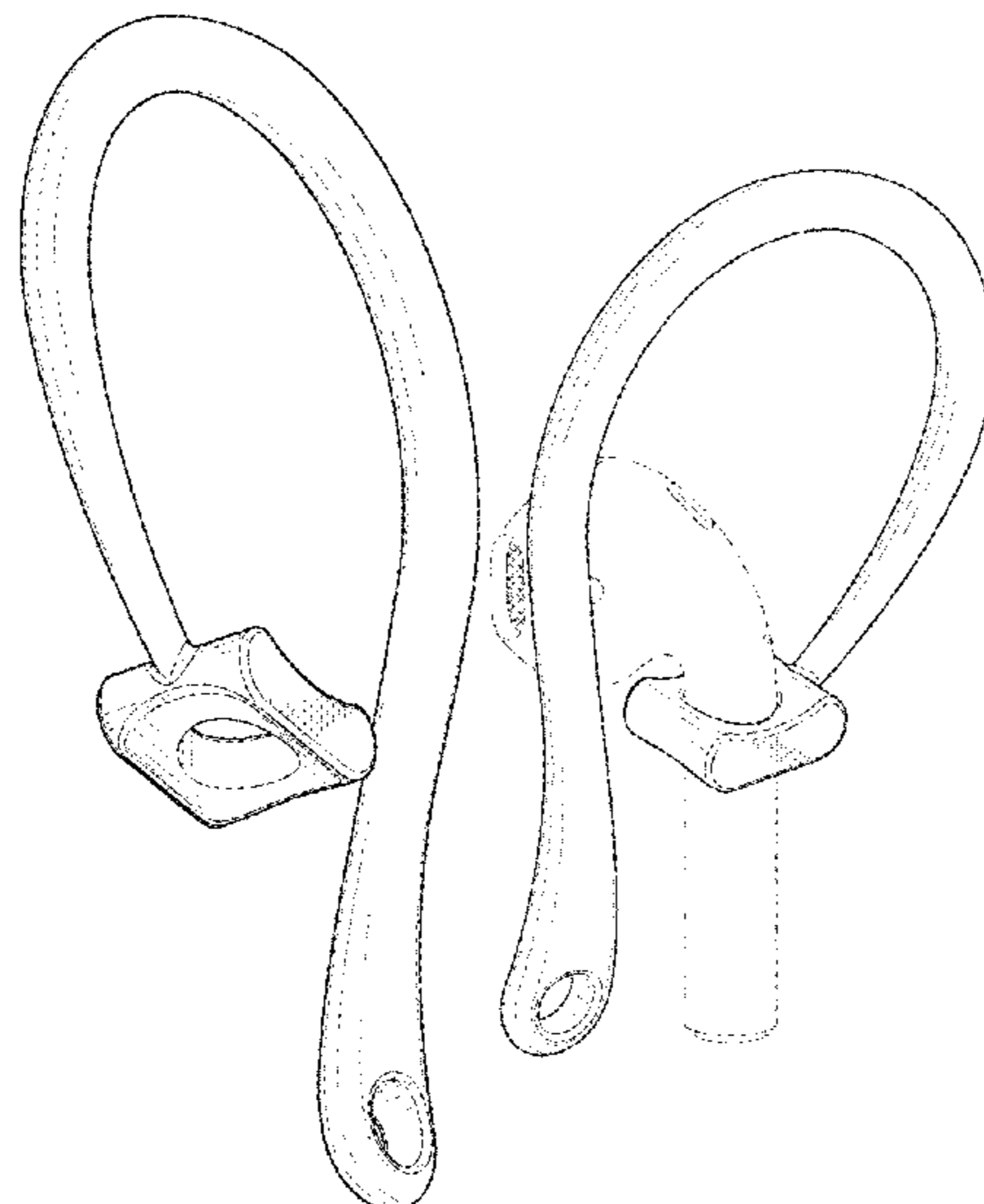
FIG. 1 is a front, top, and left perspective view of an earhook for earphone, showing the claimed design;
 FIG. 2 is a front view thereof;
 FIG. 3 is a back view thereof;
 FIG. 4 is a left side view thereof;
 FIG. 5 is a right side view thereof;
 FIG. 6 is a top view thereof;
 FIG. 7 is a bottom view thereof;
 FIG. 8 is a rear, bottom, and right perspective view thereof;
 FIG. 9 is a front, top, and left perspective view thereof in reduced scale, in which an earphone is installed to face a first direction in use; and,
 FIG. 10 is a front, top, and left perspective view thereof in reduced scale, in which an earphone is installed to face a second direction opposite to the first direction in use.
 The broken lines shown in FIGS. 9 and 10 depict environment and form no part of the claimed design.

1 Claim, 8 Drawing Sheets

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 2,136,720 A * 11/1938 White H04R 11/00 381/151
- 2,513,746 A * 7/1950 Rohr H04R 25/604 181/135
- 2,514,844 A * 7/1950 Esther A61J 17/02 606/235
- 2,826,201 A * 3/1958 Yoder A23G 3/563 606/235



(56)

References Cited

U.S. PATENT DOCUMENTS

4,048,453 A * 9/1977 Seidel H04M 1/05
379/430
4,533,149 A * 8/1985 Vater F16J 9/28
277/469
D311,521 S * 10/1990 Jonsson D14/206
D349,743 S * 8/1994 Hare D12/316
D419,564 S * 1/2000 McDonald D14/223
6,396,935 B1 * 5/2002 Makkonen H04B 1/385
379/430
6,418,230 B1 * 7/2002 McDonald H04R 1/10
381/381
6,449,374 B1 * 9/2002 Skulley H04R 1/083
381/330
6,460,911 B1 * 10/2002 Engelsiepen A01B 1/00
294/181
D467,241 S * 12/2002 Solland D14/210
D470,129 S * 2/2003 Hlas D14/205
D471,536 S * 3/2003 Rath D14/206
D471,537 S * 3/2003 Ham D14/223
D480,073 S * 9/2003 Jensen D14/224
D487,010 S * 2/2004 Marquardt D8/107
6,728,388 B1 * 4/2004 Nageno H04R 1/105
381/330
D494,568 S * 8/2004 Pan D14/206
6,785,396 B2 * 8/2004 Shirata H04R 1/105
381/374
D508,044 S * 8/2005 Houghton D14/205
D510,931 S * 10/2005 Weikel D14/240
D518,816 S * 4/2006 Naito D14/205
7,050,598 B1 * 5/2006 Ham H04R 1/105
381/330
D523,328 S * 6/2006 Ramos D8/382
7,346,180 B2 * 3/2008 Ham H04R 1/105
381/370
D566,104 S * 4/2008 Suzuki D14/223
D573,137 S * 7/2008 Polito D14/223
D573,661 S * 7/2008 Golad D21/386
D582,397 S * 12/2008 Christopher D14/205
D584,285 S * 1/2009 Xu D14/206
D585,429 S * 1/2009 Dean D14/223
D597,069 S * 7/2009 Wengreen D14/205
D598,118 S * 8/2009 Schiavoni D24/194
D598,900 S * 8/2009 Wikel D14/223
D598,988 S * 8/2009 Jaccoby D23/269

7,609,845 B2 * 10/2009 Chang H04R 1/1066
381/370
D611,935 S * 3/2010 Wikel D14/223
D612,366 S * 3/2010 Wikel D14/223
D614,172 S * 4/2010 Brennwald D14/223
7,778,410 B2 * 8/2010 Liu H04M 1/05
379/430
D628,990 S * 12/2010 Pedersen D14/223
D635,559 S * 4/2011 Rye D14/223
D643,418 S * 8/2011 Lee D14/223
D647,514 S * 10/2011 Wikel D14/223
D649,533 S 11/2011 Lee et al.
8,139,808 B2 * 3/2012 Liu H04M 1/05
381/330
8,320,603 B2 11/2012 Bass
D737,639 S * 9/2015 Masalin D8/107
D775,934 S * 1/2017 Hill D8/349
D779,462 S * 2/2017 Birger D14/223
D809,486 S * 2/2018 Arimoto D14/223
D823,836 S * 7/2018 Eaton D14/229
10,097,915 B2 10/2018 Beckhart
D855,037 S 7/2019 Lee
10,368,156 B1 * 7/2019 Beckhart H04R 1/1016
2003/0235321 A1 * 12/2003 Lu H04R 1/1066
381/381
2008/0075316 A1 3/2008 Chan
2008/0178435 A1 * 7/2008 Liu H04M 1/05
24/20 R
2008/0298626 A1 12/2008 Dean
2008/0310666 A1 12/2008 Wengreen
2009/0214073 A1 8/2009 Sandberg
2012/0230532 A1 9/2012 Howell
2013/0114842 A1 5/2013 Jennings
2013/0216087 A1 8/2013 MacDonald
2018/0083468 A1 3/2018 Dennis
2018/0295437 A1 10/2018 Chen

FOREIGN PATENT DOCUMENTS

CN 301938265 5/2012
CN 302901884 8/2014
CN 305407796 10/2019
GB 3009355 2/2003
JP D1487904 1/2014
JP D1594319 1/2018
KR 300915526.0000 * 7/2017

* cited by examiner

FIG. 1

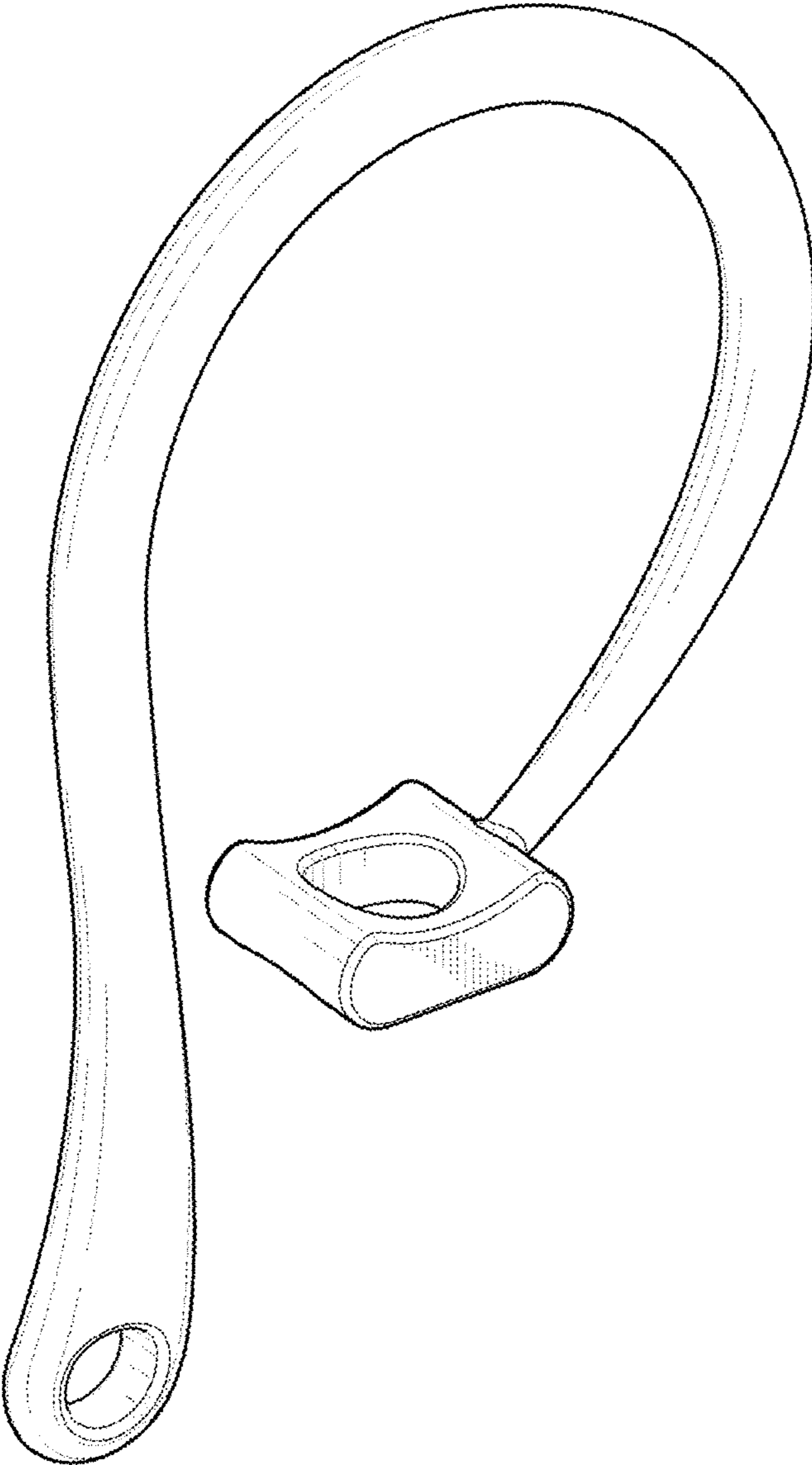


FIG. 2

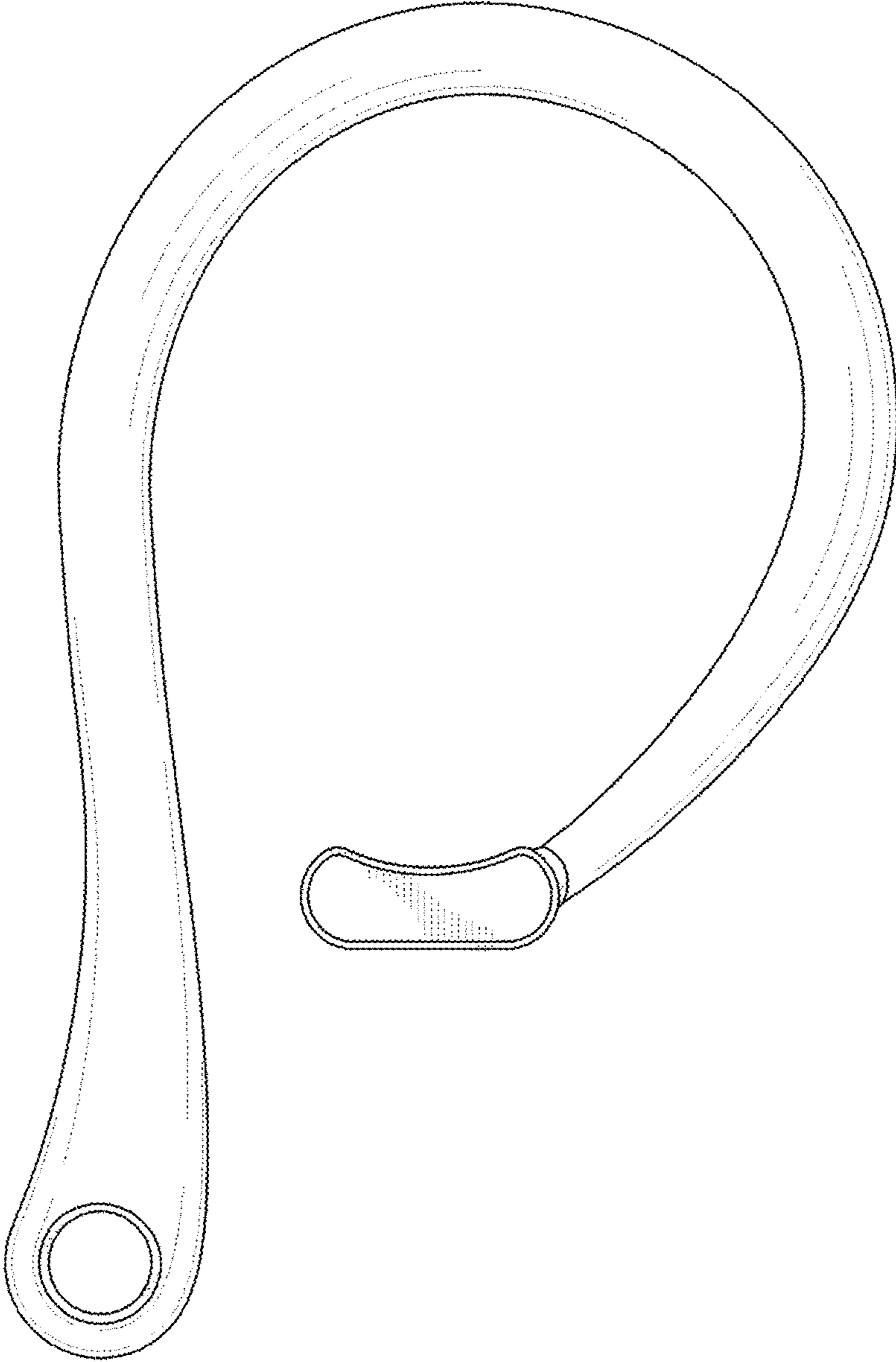


FIG. 3

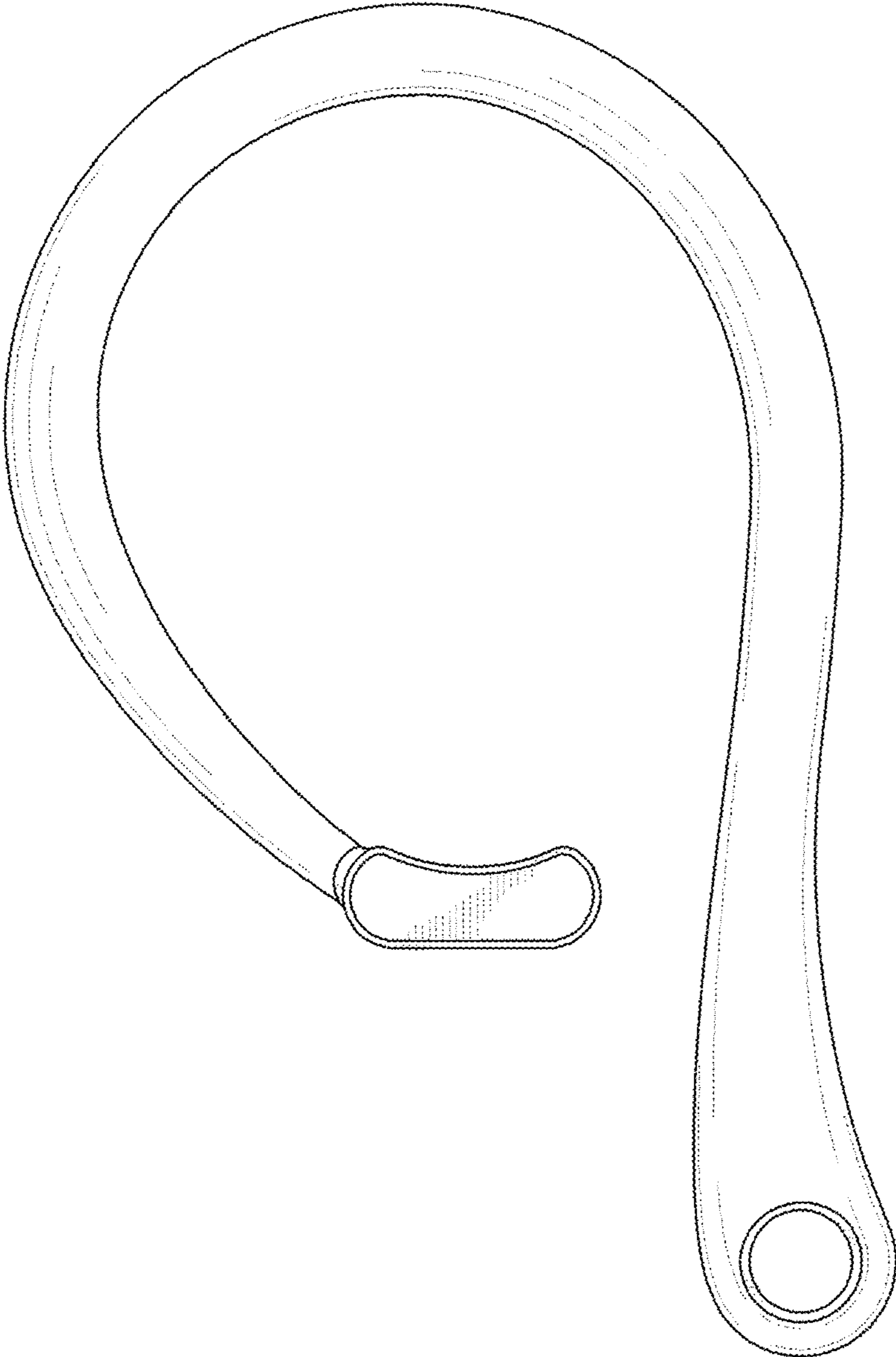


FIG. 4

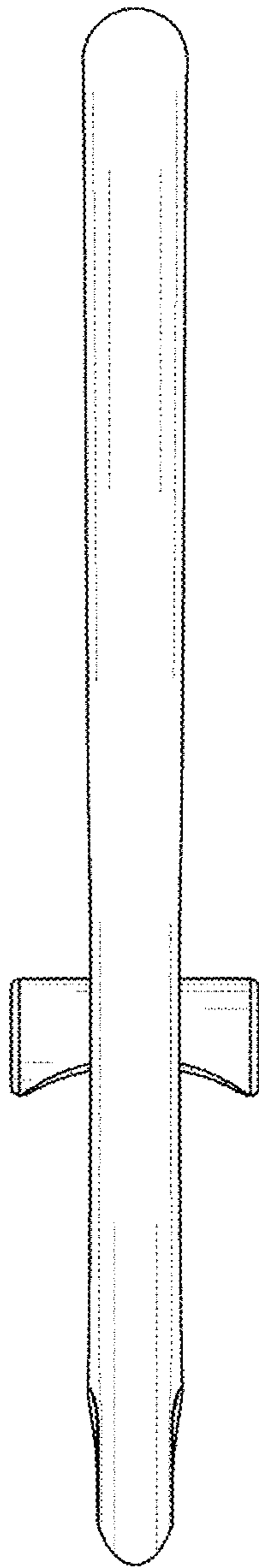


FIG. 5

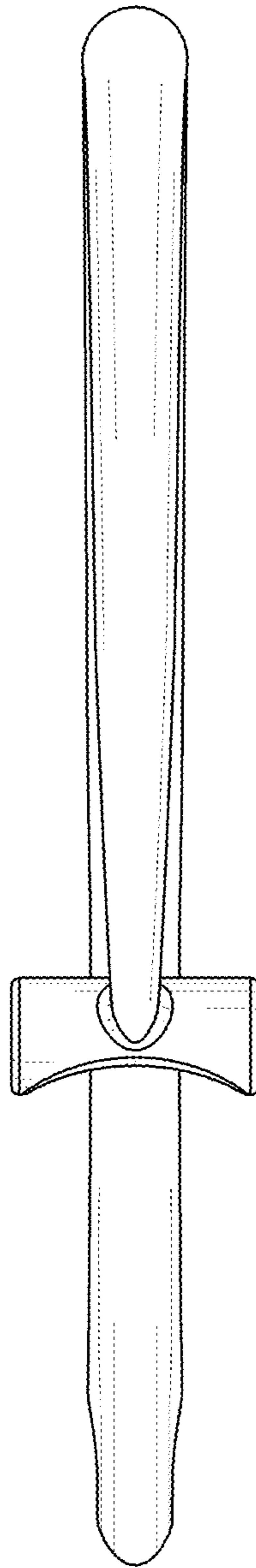


FIG. 6

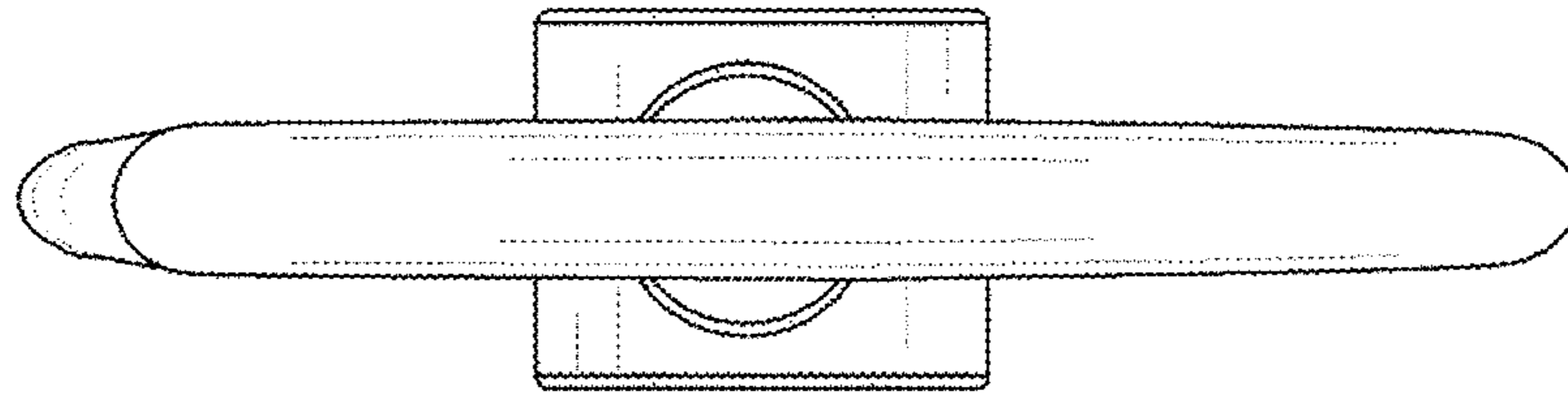


FIG. 7

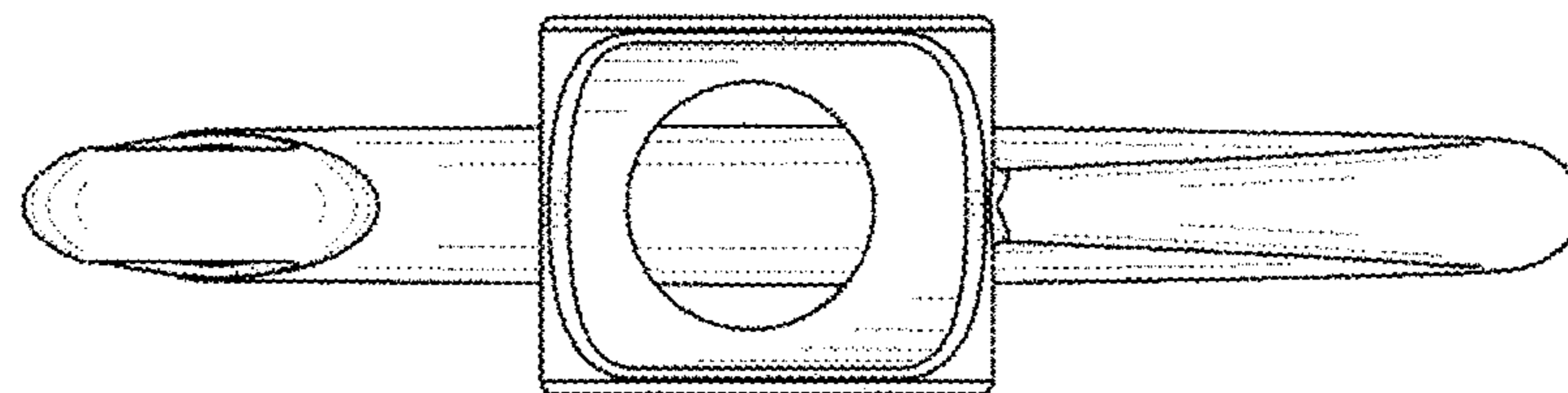


FIG. 8

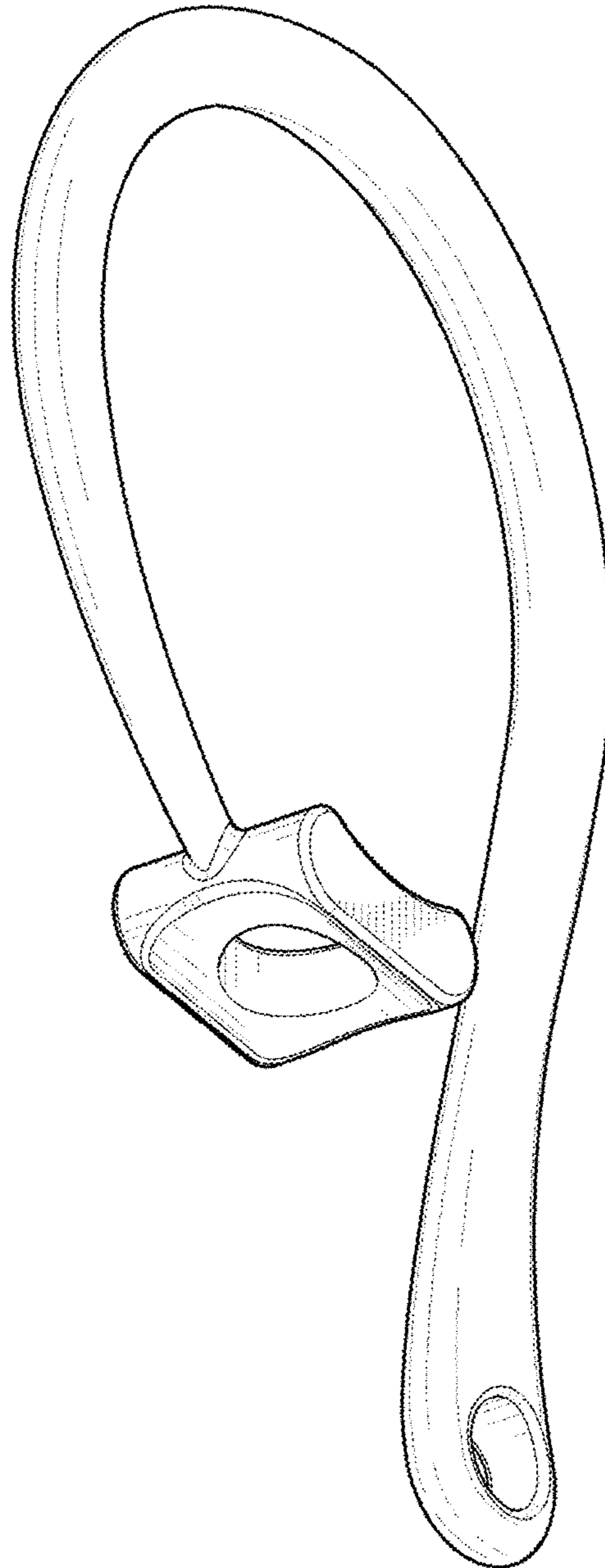


FIG. 9

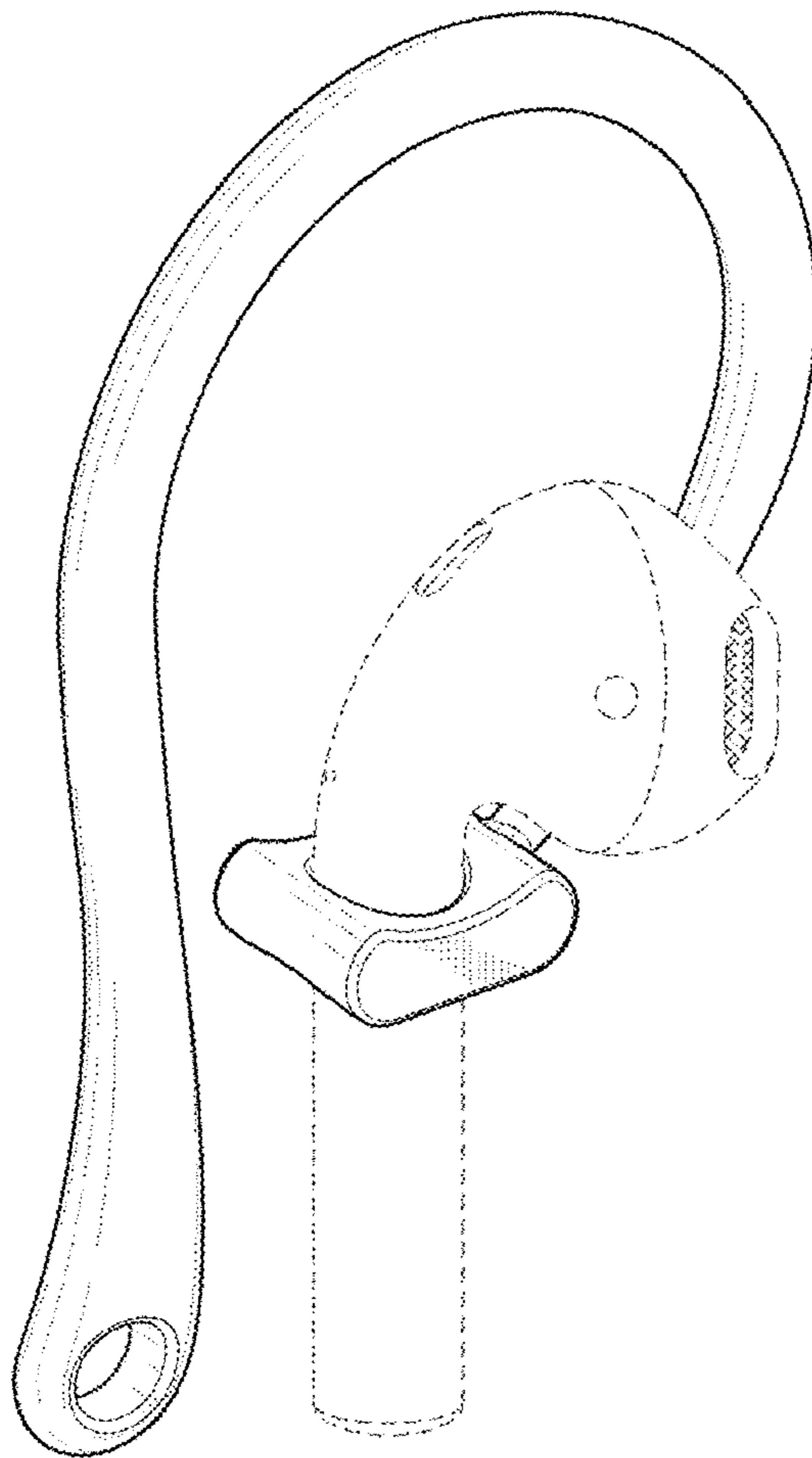


FIG. 10

