



US00D754324S

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

(10) **Patent No.:** **US D754,324 S**
(45) **Date of Patent:** **** Apr. 19, 2016**

(54) **HEARING DEVICE RETAINER**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **3M INNOVATIVE PROPERTIES COMPANY**, St. Paul, MN (US)

CN 3332809 10/2003
CN 3475391 9/2005

(Continued)

(72) Inventor: **Jacob H. Ely**, Indianapolis, IN (US)

OTHER PUBLICATIONS

(73) Assignee: **3M Innovative Properties Company**, St. Paul, MN (US)

3M Occupational Health & Environmental Safety Division, "3M™ Combat Arms Earplugs," 2 pages, © 3M™ 2010.

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

Primary Examiner — Richelle G Shelton

(21) Appl. No.: **29/482,291**

(57) **CLAIM**

The ornamental design for a hearing device retainer, as shown and described.

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

(51) **LOC (10) Cl.** **24-04**

DESCRIPTION

(52) **U.S. Cl.**
USPC **D24/106**

(58) **Field of Classification Search**
USPC D24/106, 173, 174; D29/112; D14/205, D14/206, 223; D8/308
CPC ... A61F 11/08; A61F 11/12; A61F 2011/085; H04R 1/105; H04R 25/02; F16K 31/602
See application file for complete search history.

FIG. 1 is a perspective view of a new design for a hearing device retainer having a rounded end; FIG. 2 is a left side view thereof; FIG. 3 is a right side view thereof; FIG. 4 is a rear view thereof; FIG. 5 is a front view thereof; FIG. 6 is a top view thereof; and FIG. 7 is a bottom view thereof; FIG. 8 is a perspective view of the hearing device retainer in an alternate environment shown with a hearing device; FIG. 9 is a left side view thereof; FIG. 10 is a right side view thereof; FIG. 11 is a rear view thereof; FIG. 12 is a front view thereof; FIG. 13 is a top view thereof; and, FIG. 14 is a bottom view thereof.

(56) **References Cited**

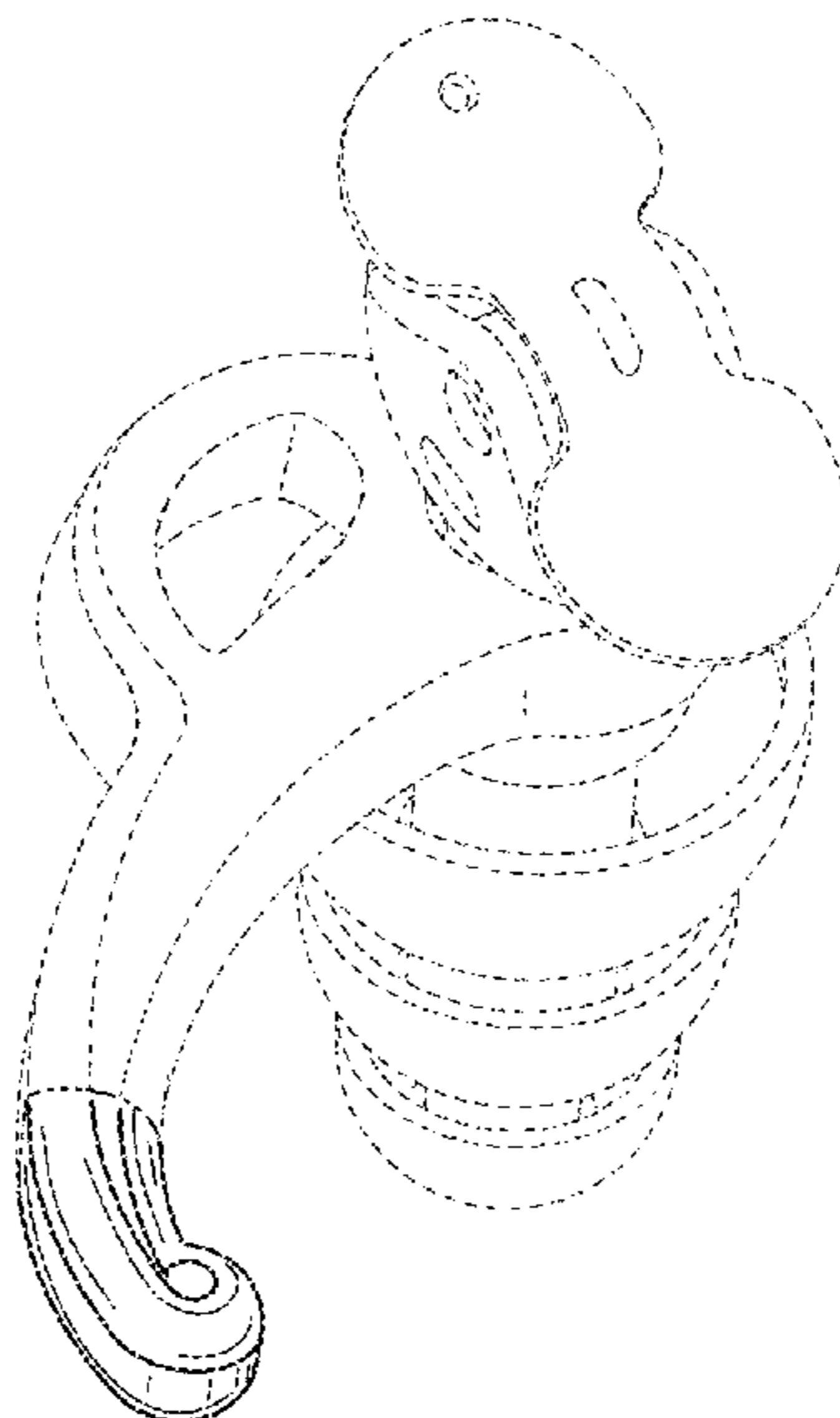
U.S. PATENT DOCUMENTS

5,048,090 A	9/1991	Geers
D350,757 S	9/1994	Carpenter
D363,487 S	10/1995	Thurnau
D375,313 S	11/1996	Jensen
D377,796 S	2/1997	Hayashi
D383,757 S	9/1997	Dobruskin
D384,958 S	10/1997	Shudo
D388,093 S	12/1997	Frengley
D391,576 S	3/1998	Mullin
D402,661 S	12/1998	Hayashi
D403,327 S	12/1998	Landreth
D411,540 S	6/1999	Mavrakis
D419,564 S	1/2000	McDonald

(Continued)

The broken line showing of the remainder of the hearing device retainer and of a hearing device forms no part of the claimed design. The dash-dot-dot line represents the boundary of the claimed design and forms no part thereof. Shading is provided to illustrate contour only and is not an indication of texture or sheen.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D420,007 S 2/2000 Marshall
 D421,755 S 3/2000 Pitel
 6,068,079 A 5/2000 Hamery
 6,070,693 A 6/2000 Hamery
 D427,994 S 7/2000 Pirelli
 D431,235 S 9/2000 Lyman
 6,148,821 A 11/2000 Falco
 D436,095 S 1/2001 Schmidt
 D449,295 S 10/2001 Smith
 D452,857 S 1/2002 Hong
 D455,732 S 4/2002 Skulley
 D458,829 S * 6/2002 Zoerner D8/308
 D460,436 S 7/2002 Bjorklund
 D463,791 S * 10/2002 Nagai et al. D14/223
 D464,943 S 10/2002 Lai
 D465,209 S 11/2002 Rath
 D468,721 S 1/2003 Nguyen
 D469,422 S 1/2003 Nguyen
 D469,755 S 2/2003 Hlas
 D470,121 S 2/2003 Nguyen
 D470,478 S 2/2003 Kohli
 D471,537 S 3/2003 Ham
 D472,888 S 4/2003 Rath
 D475,694 S 6/2003 Bey
 D477,821 S 7/2003 Bieltvedt
 D479,226 S 9/2003 Beauregard, Jr.
 D480,073 S 9/2003 Jensen
 D480,711 S 10/2003 Kuan
 D487,078 S 2/2004 Chen
 D498,227 S 11/2004 Dyer
 D500,999 S 1/2005 Dyer
 D501,196 S 1/2005 Dyer
 D504,673 S 5/2005 Dyer
 D508,911 S 8/2005 Sanders
 D509,569 S * 9/2005 Svendsen et al. D23/252
 D510,931 S 10/2005 Weikel
 D512,049 S 11/2005 Yang
 D512,984 S 12/2005 Ham
 D521,492 S 5/2006 Ham
 D523,845 S 6/2006 Smith
 D526,313 S * 8/2006 Murray D14/223
 D533,867 S 12/2006 Koizumi
 D533,868 S 12/2006 Koizumi
 D537,812 S 3/2007 Erich
 D539,266 S 3/2007 Bentley
 D543,968 S 6/2007 Wong
 D550,655 S 9/2007 Falco
 D554,969 S * 11/2007 Kosasih et al. D8/308
 D556,735 S 12/2007 Yeo
 D557,688 S 12/2007 Lee
 D562,808 S 2/2008 Gwee
 D572,241 S 7/2008 Gwee
 D573,137 S 7/2008 Polito
 D575,767 S 8/2008 Lee
 D576,155 S 9/2008 Wilson
 D576,156 S 9/2008 Wilson
 D576,610 S 9/2008 Johnson
 D577,009 S 9/2008 Wilson
 D579,444 S 10/2008 Ewert
 D583,033 S * 12/2008 Jones et al. D23/309
 D585,429 S 1/2009 Dean
 D585,881 S 2/2009 Nam
 D589,152 S 3/2009 Champkins
 D593,075 S 5/2009 Williams
 D593,076 S 5/2009 Kung
 D593,077 S * 5/2009 Williams et al. D14/223
 D595,273 S 6/2009 Kim
 D597,084 S 7/2009 Gondo
 D598,469 S 8/2009 Harris, Jr.
 D599,329 S 9/2009 Champkins
 D603,379 S 11/2009 Harbeke
 D604,273 S 11/2009 Tamura
 D609,699 S 2/2010 Burnham
 D610,129 S 2/2010 Densho
 D611,933 S 3/2010 Burnham

D617,780 S 6/2010 Jaakkola
 D618,669 S 6/2010 Johnson
 D619,124 S 7/2010 Clay
 D621,817 S 8/2010 Brickstad
 D622,265 S 8/2010 Rye
 D622,694 S 8/2010 Lascelles
 D622,704 S 8/2010 Fahrendorff
 D624,529 S 9/2010 Huang
 D625,297 S 10/2010 Tseng
 D628,990 S 12/2010 Pedersen
 D629,397 S 12/2010 Hensen
 D630,621 S 1/2011 Pedersen
 D633,899 S 3/2011 Zheng
 D634,306 S 3/2011 Pedersen
 D635,559 S 4/2011 Rye
 D635,838 S * 4/2011 Shyu et al. D8/308
 D635,960 S 4/2011 Gondo
 D636,762 S 4/2011 Hensen
 D639,283 S 6/2011 Ozawa
 D640,670 S 6/2011 Rye
 D641,008 S 7/2011 Lee
 D641,011 S 7/2011 Gondo
 D643,418 S 8/2011 Lee
 D645,458 S 9/2011 Silvestri
 D647,514 S 10/2011 Wikel
 D647,877 S 11/2011 Son
 D648,328 S 11/2011 Morimoto
 D649,533 S 11/2011 Lee
 D653,243 S 1/2012 Katsumata
 D653,244 S 1/2012 Birger
 D654,057 S 2/2012 Burgett
 D655,693 S 3/2012 Silvestri
 D661,284 S 6/2012 Brandis
 D662,086 S 6/2012 Komiyama
 D662,088 S 6/2012 Brandis
 D662,915 S 7/2012 Halkosaari
 D664,124 S * 7/2012 Smith et al. D14/223
 D666,169 S 8/2012 Tucker
 D667,123 S 9/2012 Takemoto
 D667,124 S 9/2012 Takemoto
 D668,631 S 10/2012 Katsumata
 D668,632 S 10/2012 Enquist
 D669,057 S 10/2012 Zheng
 D672,874 S 12/2012 Ishibashi
 D672,875 S 12/2012 Ishibashi
 D679,682 S 4/2013 Shimizu
 D681,602 S 5/2013 Koch
 D682,257 S 5/2013 Zheng
 D685,351 S 7/2013 Morimoto
 D685,768 S 7/2013 Mogili
 D687,021 S 7/2013 Yuen
 D693,326 S 11/2013 Takeno
 D693,792 S 11/2013 Seto
 8,625,834 B2 1/2014 Smith
 2008/0085030 A1 4/2008 Smith
 2008/0181441 A1 7/2008 Smith
 2012/0057739 A1 3/2012 Smith

FOREIGN PATENT DOCUMENTS

CN 3597837 1/2007
 CN 301104736 1/2010
 CN 301139500 2/2010
 CN 301365125 10/2010
 CN 301759948 12/2011
 CN 301768831 12/2011
 EM 001202824-0004 4/2010
 EM 001282388-0027 9/2011
 EM 001982976-0002 5/2012
 EM 001982976-0003 5/2012
 EM 001982976-0005 5/2012
 EM 001982976-0007 5/2012
 GB 2052356 3/1996
 GB 2055470 8/1996
 GB 2073246 8/1998
 GB 2086330 12/1999
 GB 2103002 8/2001
 GB 3004998 7/2002
 GB 3005024 10/2002

(56)

References Cited

FOREIGN PATENT DOCUMENTS

GB	3006343	10/2002
JP	D1472400	6/2003
JP	D1232492	3/2005
JP	D1412316	4/2011
JP	D1422431	9/2011
JP	D1431262	1/2012
JP	D1432304	1/2012

JP	D1432305	1/2012
JP	D1436556	3/2012
JP	D1437169	4/2012
JP	D1479882	9/2013
KR	300482159	3/2008
KR	300619595	11/2011
RU	70119	4/2009
RU	00083284	10/2012
WO	2011-075840	6/2011

* cited by examiner

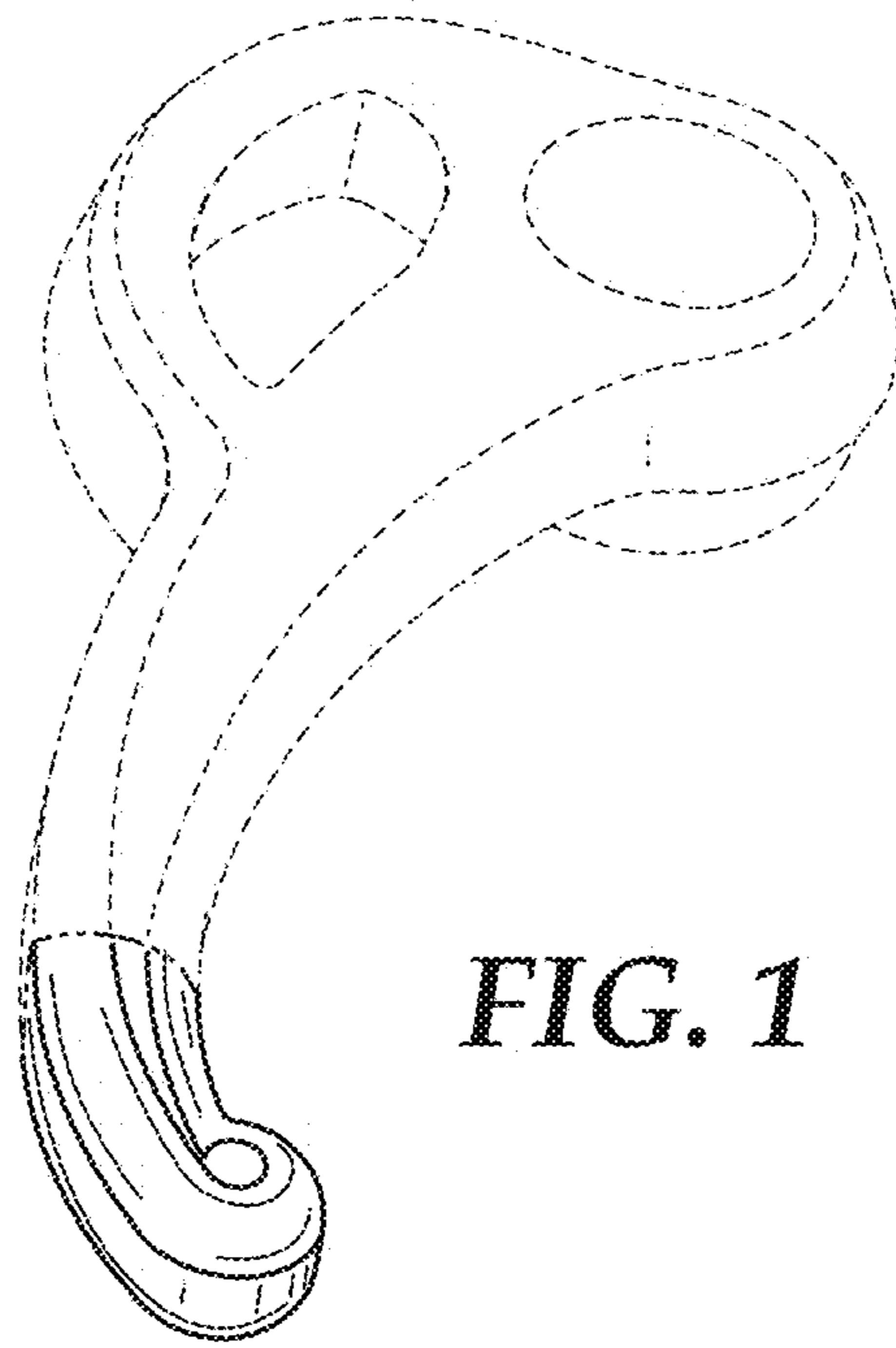


FIG. 1

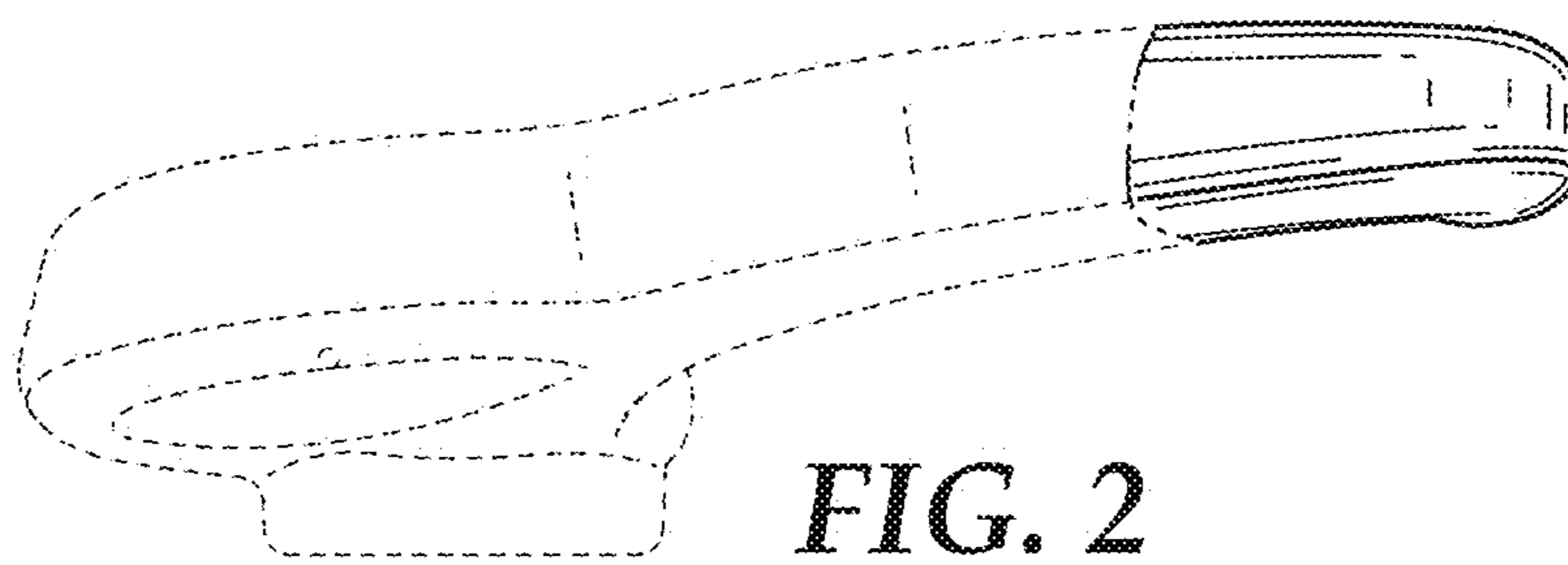


FIG. 2

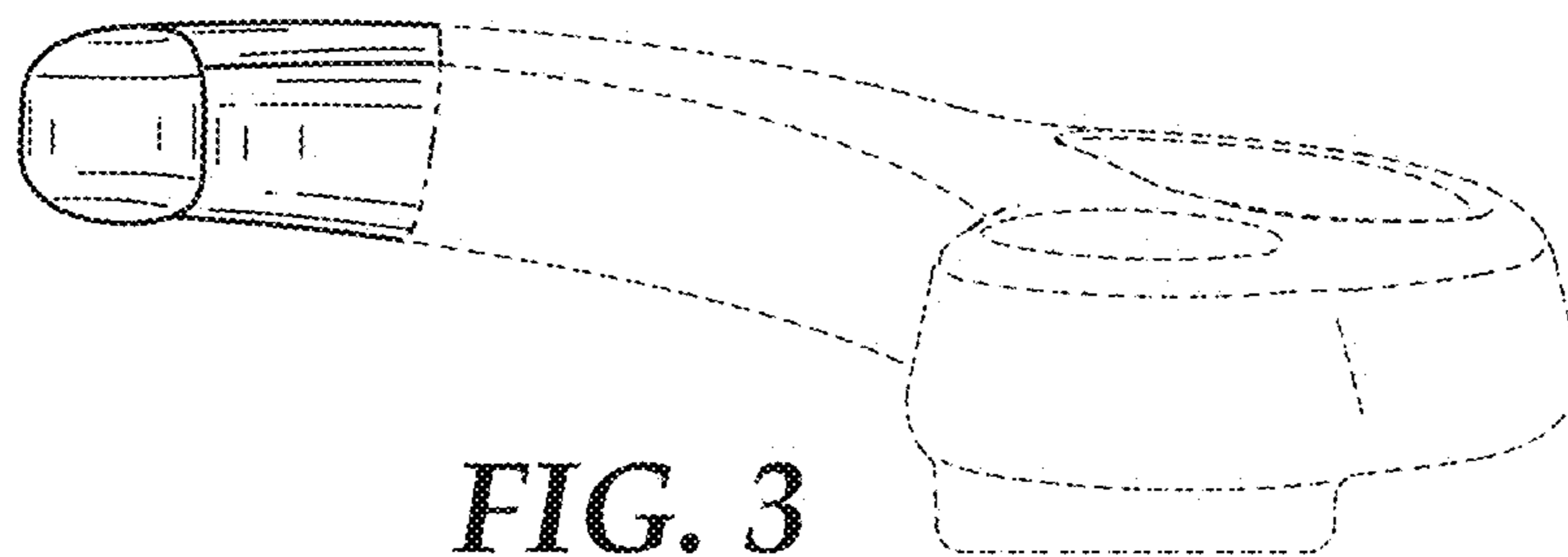


FIG. 3

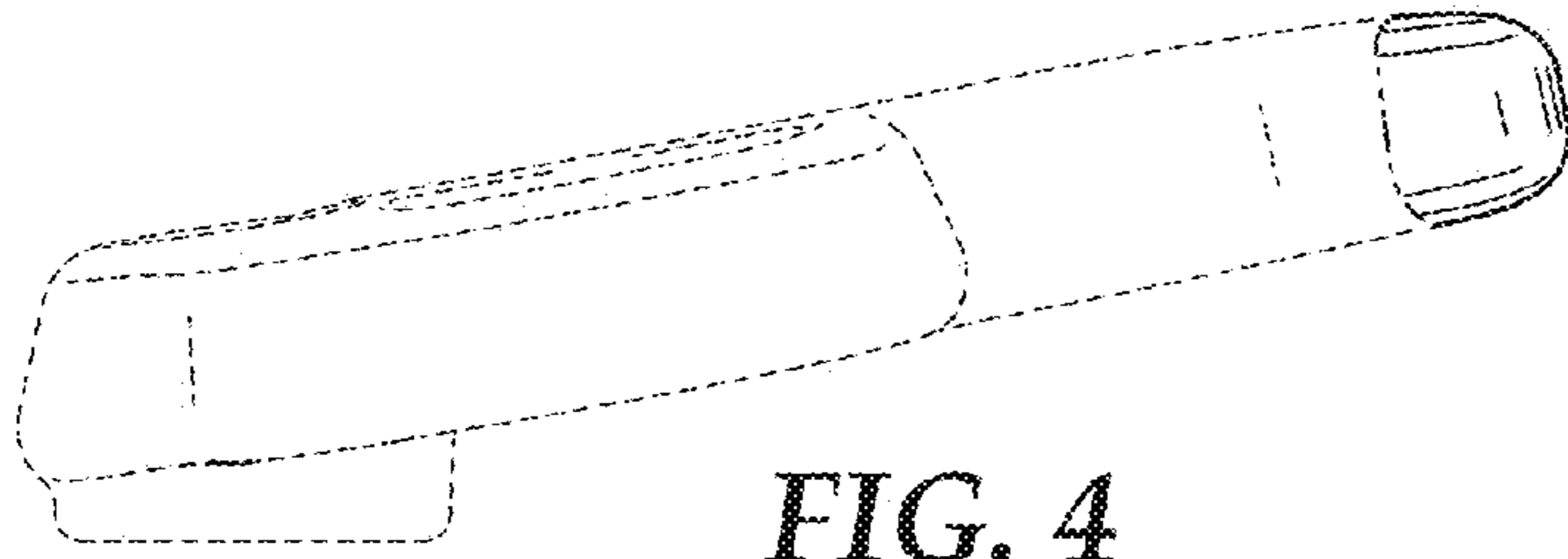


FIG. 4

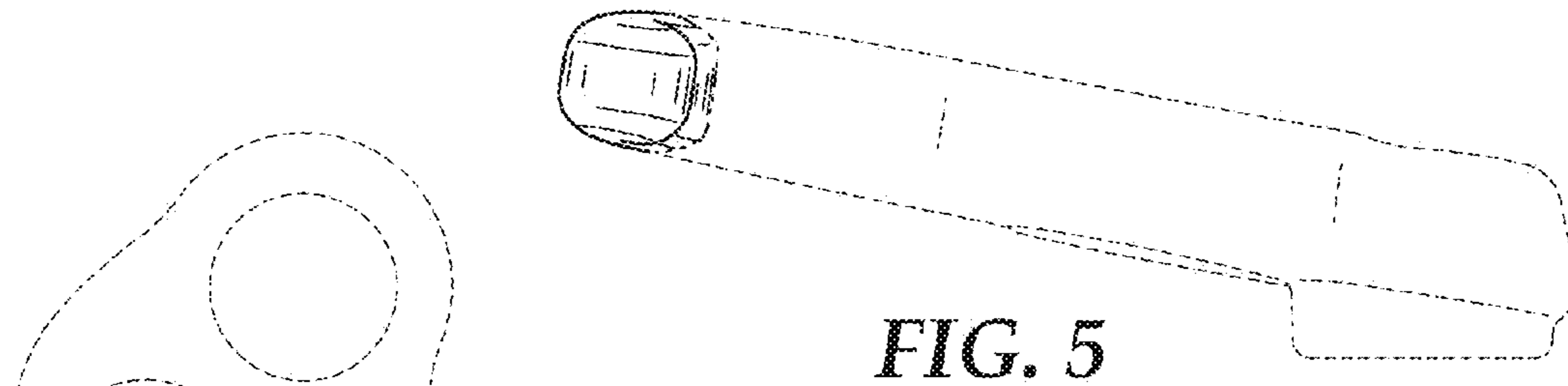


FIG. 5

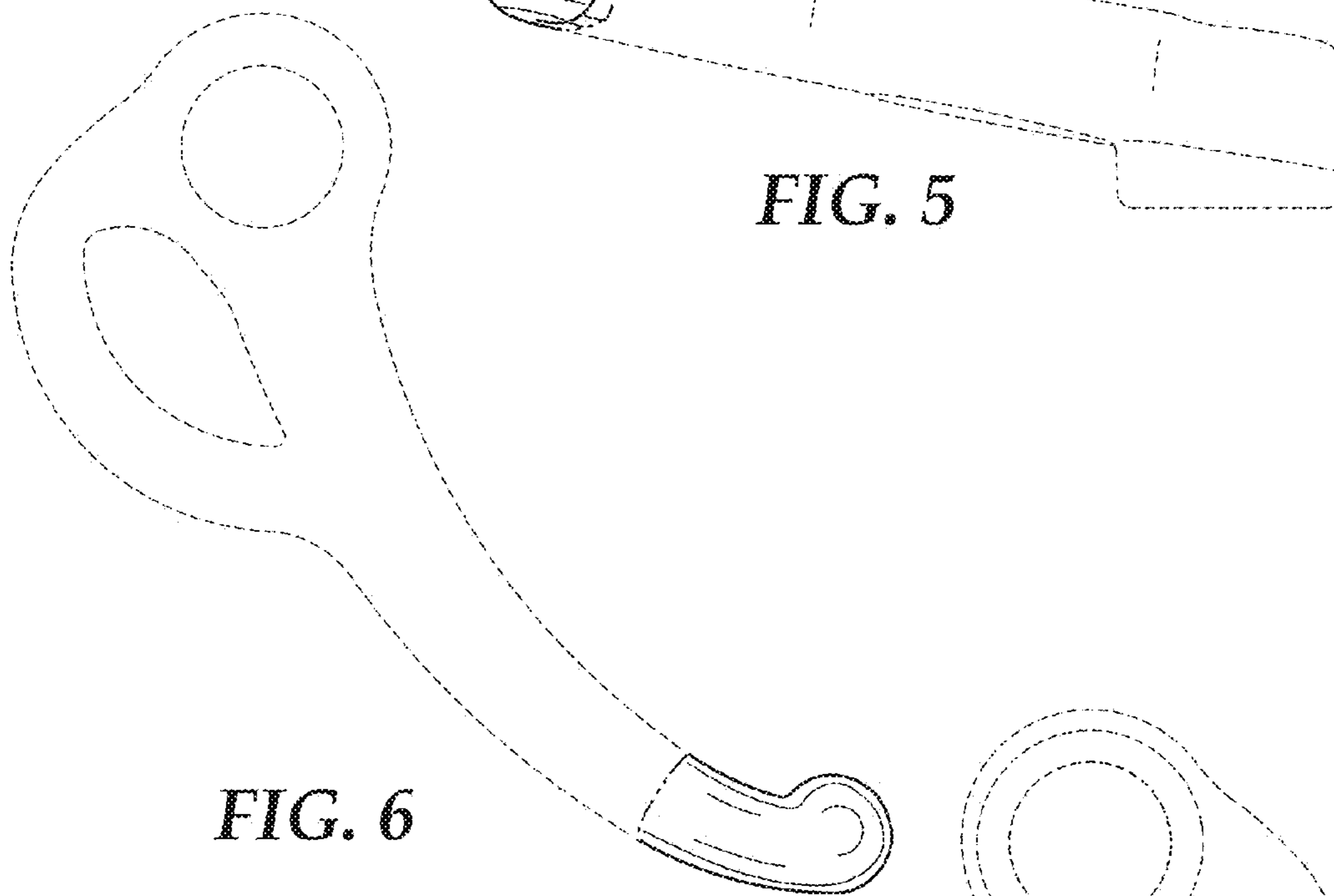


FIG. 6

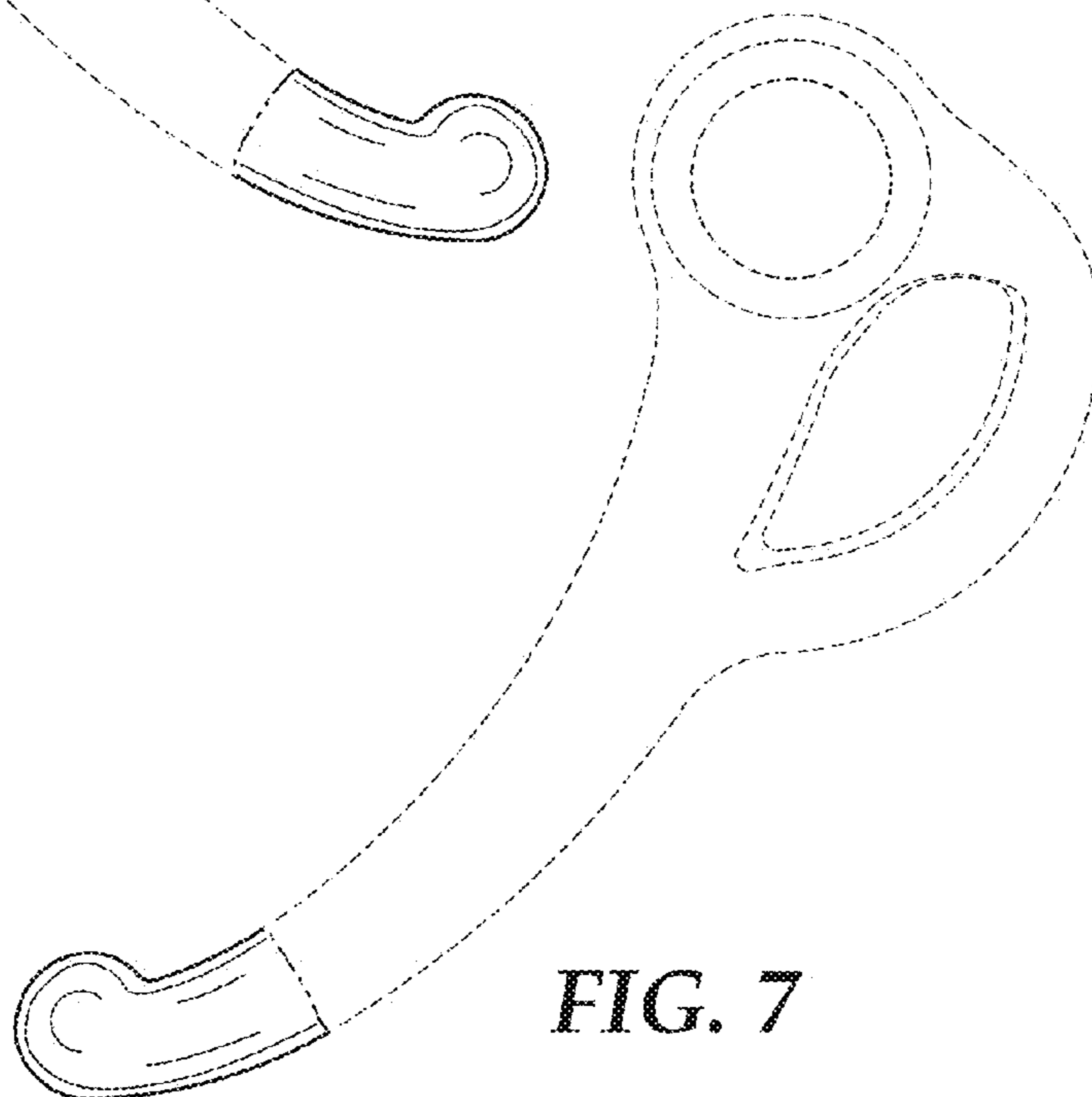


FIG. 7

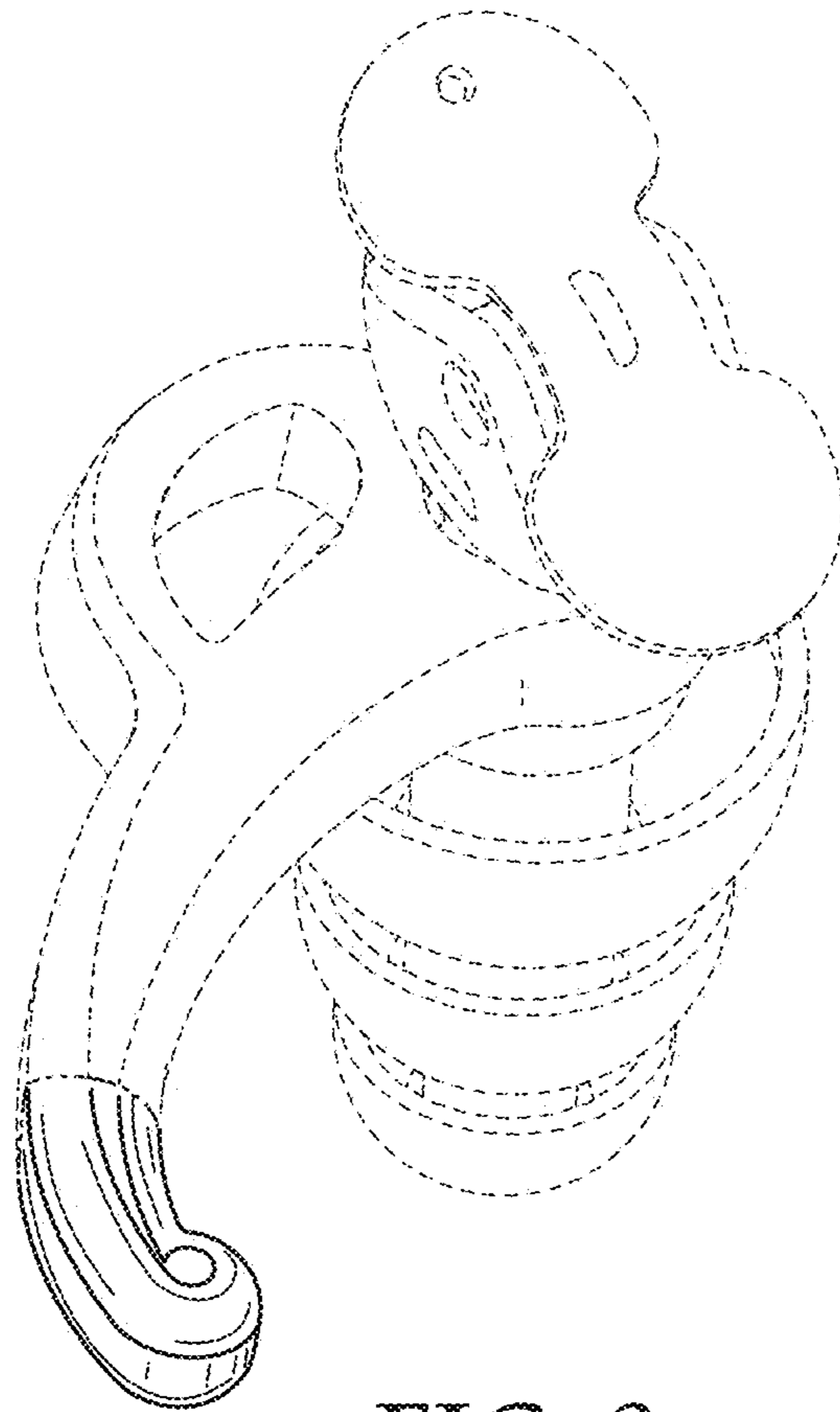


FIG. 8

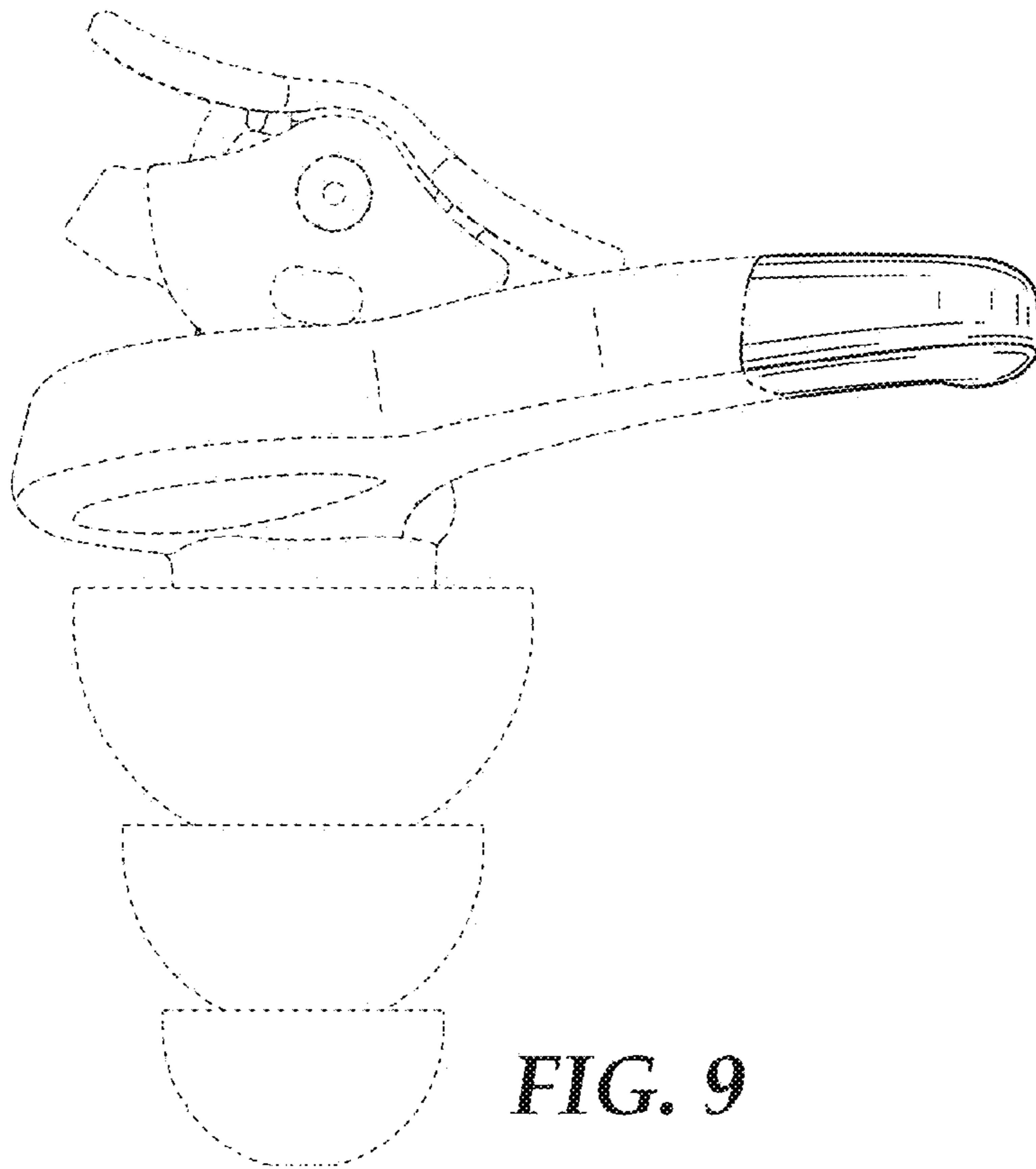


FIG. 9

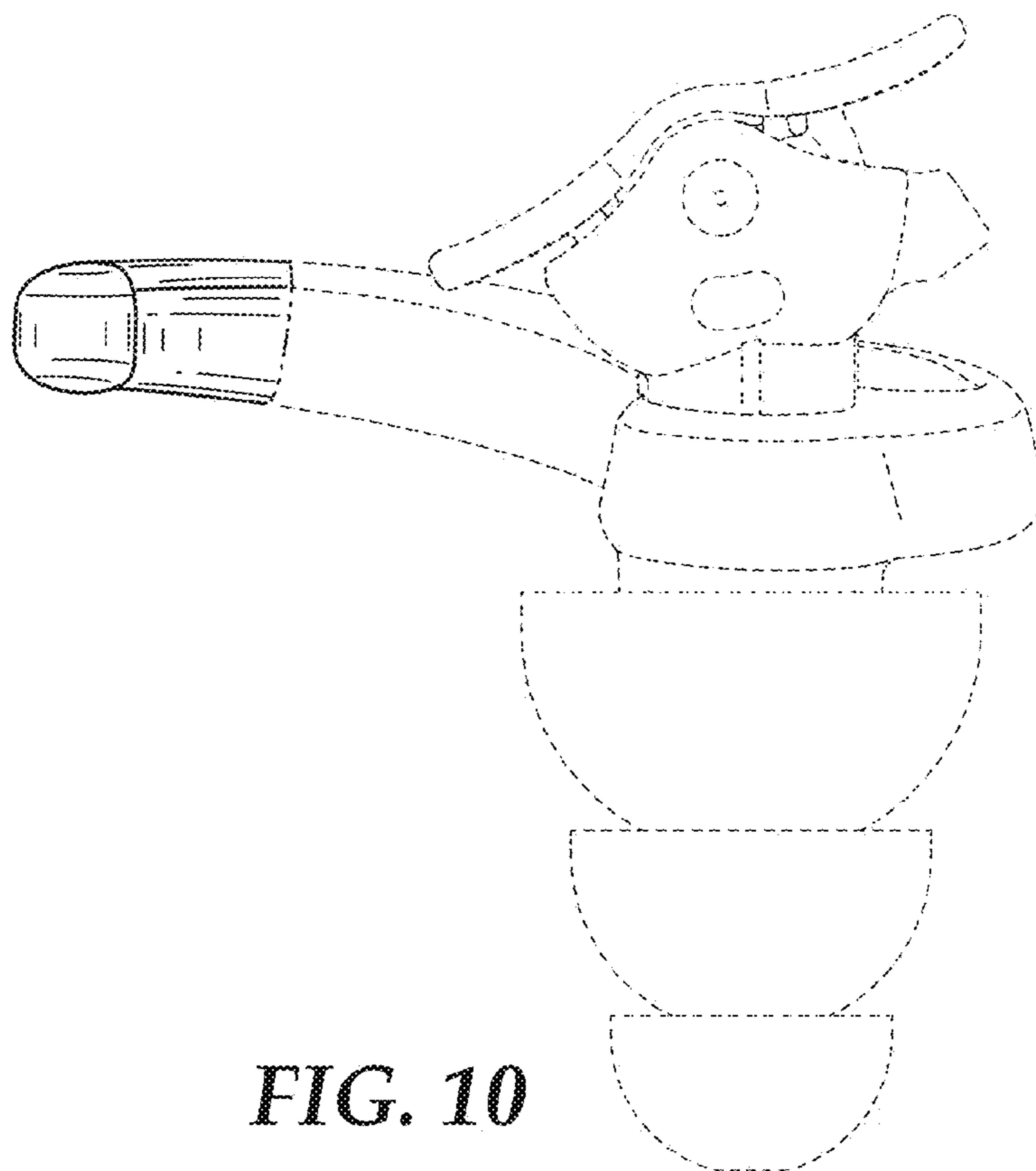


FIG. 10

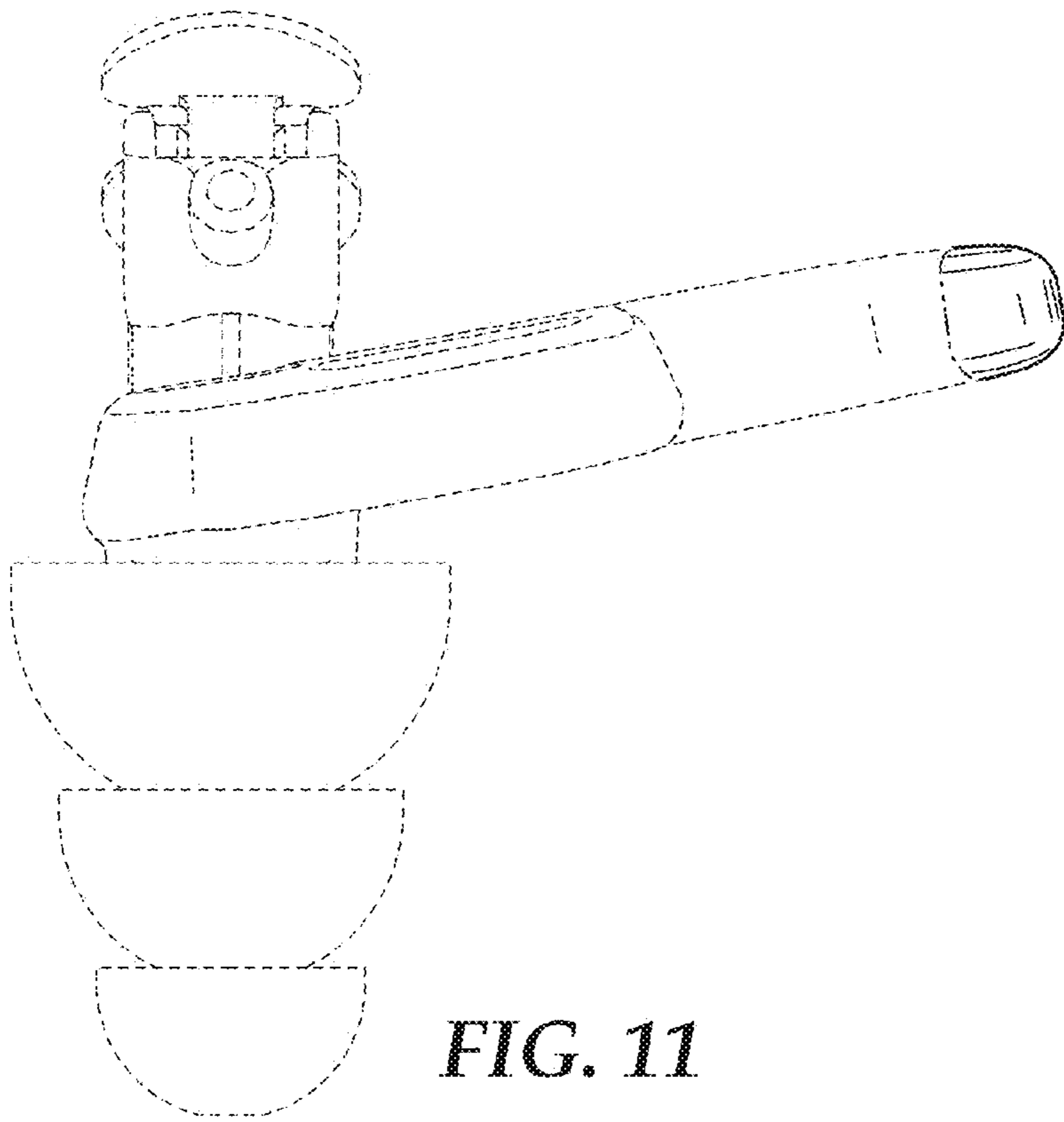


FIG. 11

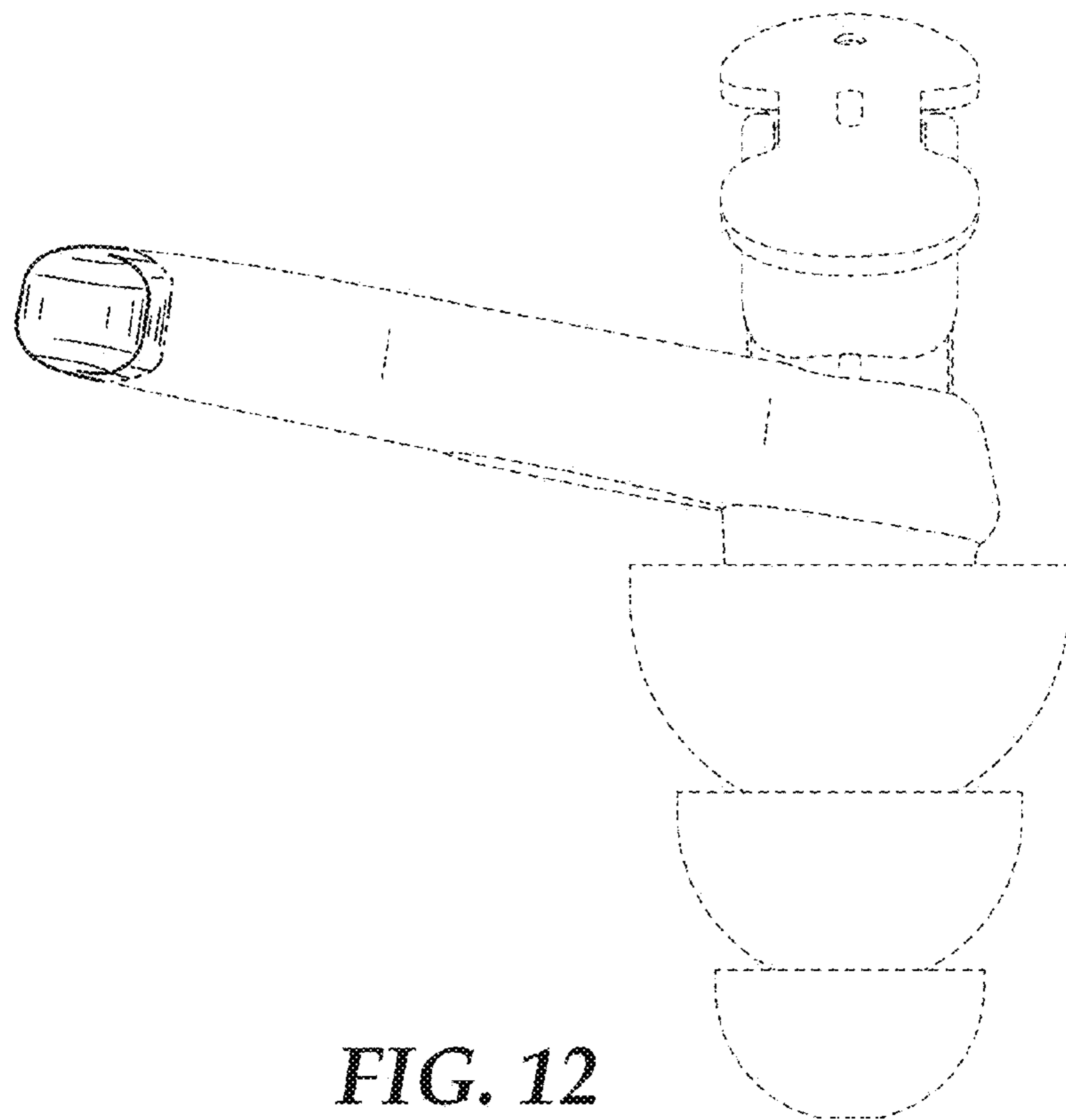


FIG. 12

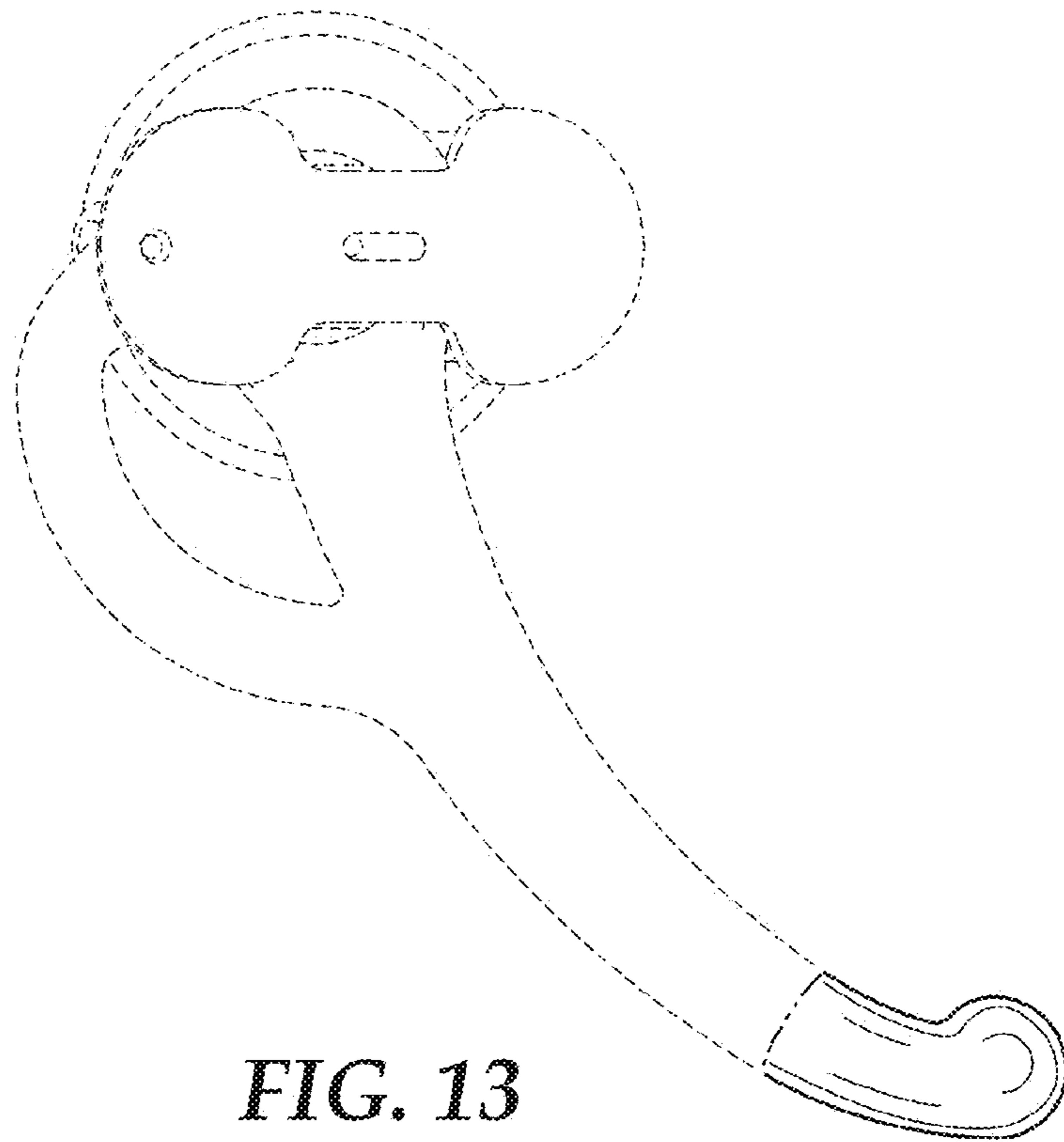


FIG. 13

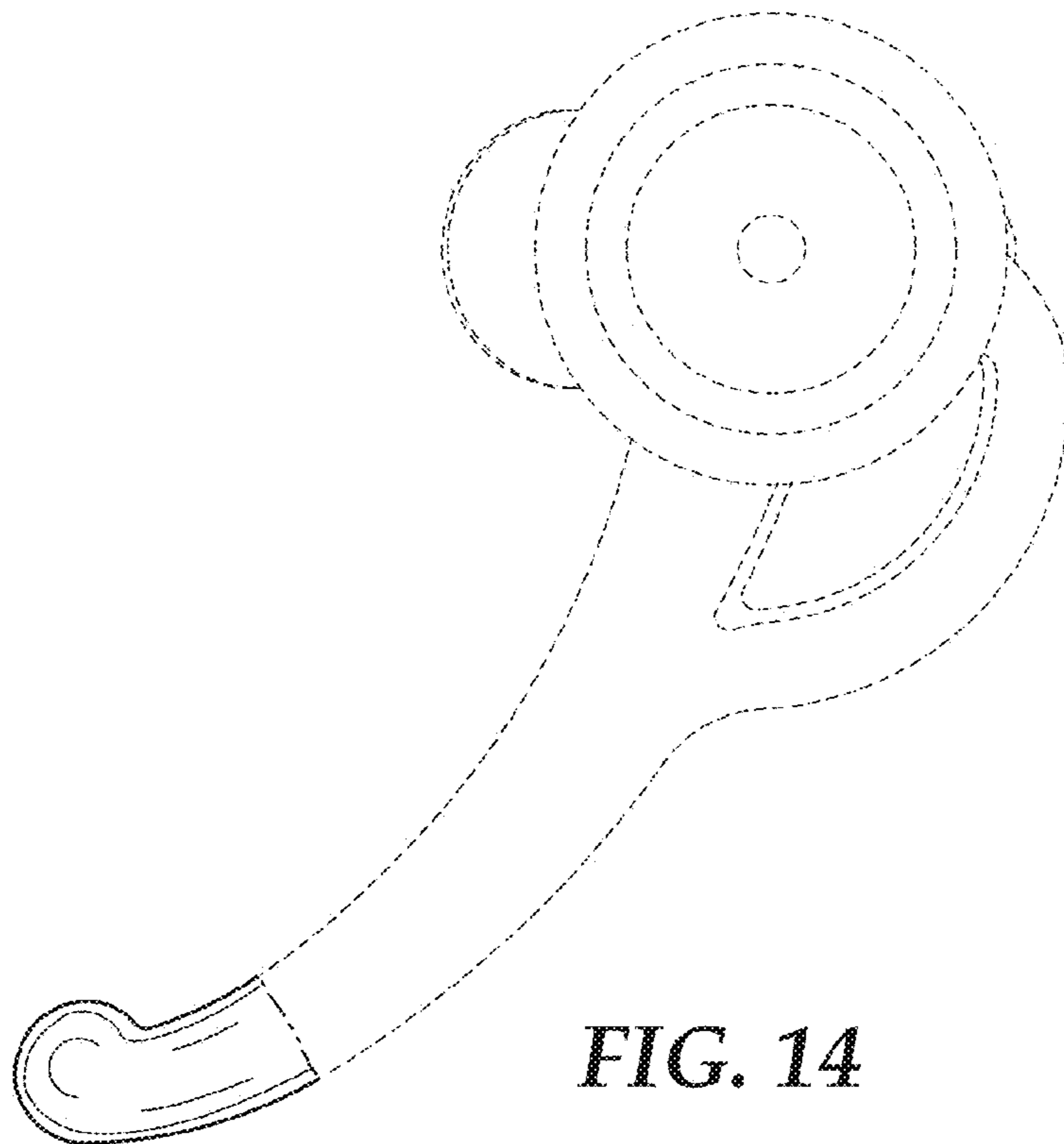


FIG. 14