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Harrington et al.

(10)

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(54) POLE CONNECTION FOR A WINDOW
CLEANING TOOL

4,461,057 A 7/1984 Unger
4,517,700 A 5/1985 Pinto
4,575,270 A 3/1986 Hammond
(Continued)

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FOREIGN PATENT DOCUMENTS

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CN 303965693 12/2016
CN 304798729 9/2018
(Continued)

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OTHER PUBLICATIONS

(**) Term: 15 Years

Webstaurant website 2023, Unger window washing system, site
ivisited Jun. 30, 2023, <https://www.webstaurantstore.com/unger-ez120-optiloc-two-section-telescopic-pole-with-ergotec-locking-cone-4/905EZ120.html>.*

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(Continued)

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Related U.S. Application Data

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filed on Jan. 20, 2021, now Pat. No. Des. 976,506.

(51) LOC (14) Cl. 15-05

(52) U.S. Cl.
USPC D32/17

(58) Field of Classification Search
USPC D32/17-20, 31-35, 39-43, 45, 50-52
CPC A47L 1/08; F16B 7/1454; A46B 11/063
See application file for complete search history.

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(57) CLAIM

The ornamental design for a pole connection for a window
cleaning tool, as shown and described.

DESCRIPTION

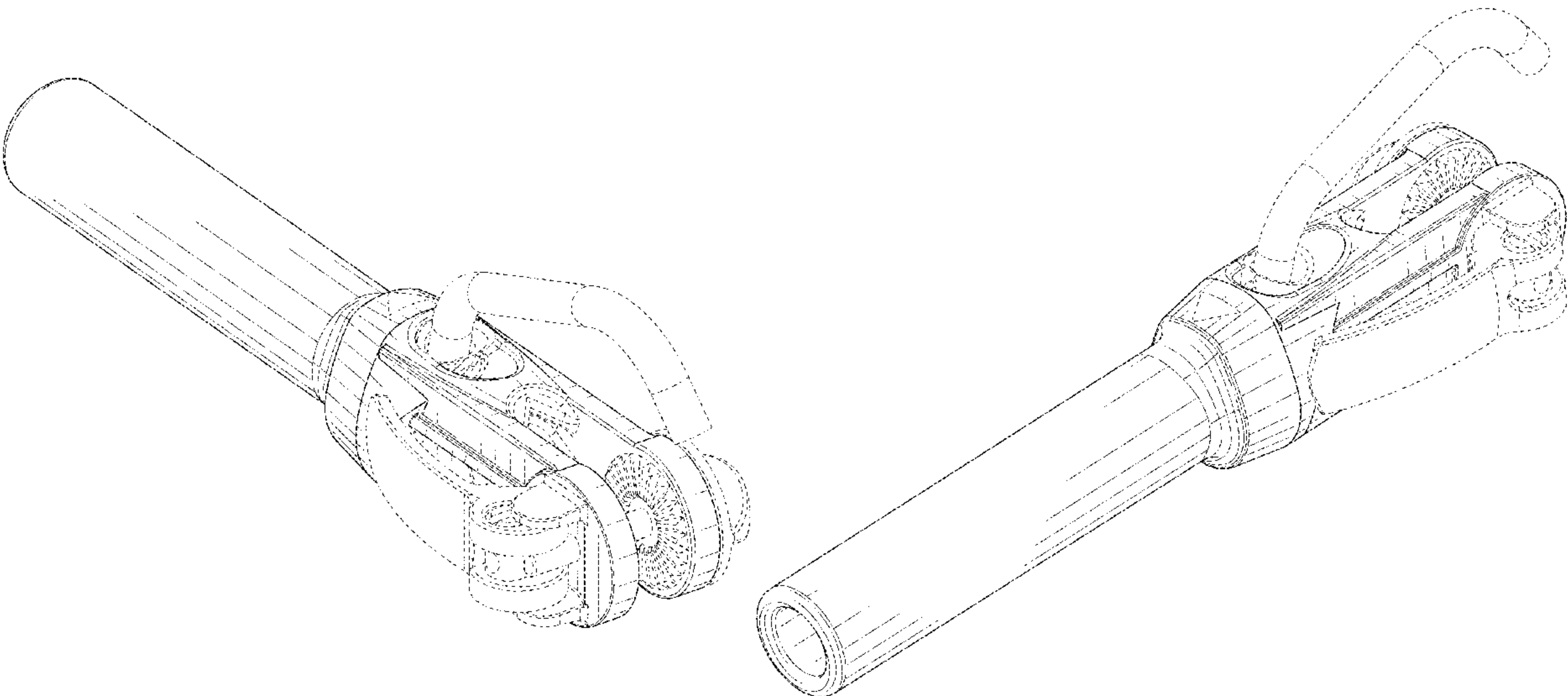
FIG. 1 is a top, rear, right side perspective view of a pole
connection for a window cleaning tool showing our new
design;
FIG. 2 is a rear elevation view thereof;
FIG. 3 is a front elevation view thereof;
FIG. 4 is a right side elevation view thereof;
FIG. 5 is a left side elevation view thereof;
FIG. 6 is a top plan view thereof;
FIG. 7 is a bottom plan view thereof; and,
FIG. 8 is a top, front, right side perspective view thereof.
The broken lines in the drawings depict bounds and envi-
ronment of the pole connection for a window cleaning tool
that form no part of the claimed design.

1 Claim, 6 Drawing Sheets

(56) References Cited

U.S. PATENT DOCUMENTS

2,789,298 A 4/1957 Peterson
3,596,946 A * 8/1971 Burton B05C 17/0205
403/374.1
D258,908 S 4/1981 Satoh
4,325,157 A 4/1982 Balint et al.
4,335,481 A 6/1982 Slayman
D265,999 S 8/1982 Baruffa
D274,273 S 6/1984 Auerbach



(56)

References Cited

U.S. PATENT DOCUMENTS

D284,897 S 7/1986 Rubio
D287,896 S 1/1987 Genoa et al.
4,653,142 A 3/1987 Upton
D290,553 S 6/1987 Clivio et al.
4,717,180 A 1/1988 Roman
4,720,883 A 1/1988 Sanchez
D300,660 S 4/1989 Harada
D303,026 S 8/1989 Kilakis
4,961,245 A * 10/1990 Barnes, Jr. A47L 9/0081
D32/34
D319,714 S 9/1991 Gierke et al.
D323,724 S 2/1992 Gierke et al.
D329,948 S 10/1992 Hanner
D331,189 S 11/1992 Daigle et al.
5,213,432 A 5/1993 Chappell
5,316,264 A 5/1994 Newman, Sr. et al.
5,332,090 A 7/1994 Tucker
D350,722 S 9/1994 Figueroa
5,375,938 A 12/1994 Bartlow
D357,098 S 4/1995 Caligiuri
D359,148 S 6/1995 Henrie
5,487,529 A 1/1996 Newville
5,502,864 A 4/1996 Sorenson
D375,822 S 11/1996 Lessig, III et al.
D384,458 S * 9/1997 Schroeck D32/51
5,694,695 A * 12/1997 Lund B25G 1/04
30/296.1
5,702,194 A 12/1997 Hsu
D404,924 S 2/1999 Schmidt
5,875,509 A 3/1999 Facca
D411,673 S * 6/1999 Biggs D32/51
D414,405 S 9/1999 Tompkins
D417,141 S 11/1999 Senninger
5,983,455 A 11/1999 Polzin et al.
6,010,267 A 1/2000 Vito
D424,767 S 5/2000 Shea
D432,744 S 10/2000 Schuda et al.
6,254,153 B1 7/2001 Poppa
6,336,764 B1 1/2002 Liu
6,371,686 B1 4/2002 Wu
6,413,002 B1 7/2002 Delaine, Jr.
D461,607 S * 8/2002 Zhang D32/45
6,550,727 B2 4/2003 Butterfield et al.
D477,445 S * 7/2003 Schroter D32/31
D478,698 S * 8/2003 Mertes D32/31
6,609,847 B1 8/2003 Wang
D480,848 S * 10/2003 Smith D32/31
D488,599 S 4/2004 Chika
D496,512 S 9/2004 Treacy
D502,578 S * 3/2005 Roschi D32/31
6,875,917 B1 * 4/2005 Wood H02G 1/02
174/45 R
7,001,095 B1 2/2006 Chen
7,008,130 B1 3/2006 Hill
D518,934 S 4/2006 Williams
D522,700 S 6/2006 Rademeyer
D525,755 S * 7/2006 Simmonds D32/34
D526,102 S 8/2006 Adams
D531,367 S 10/2006 Hay
D547,508 S 7/2007 Thomas
7,407,336 B2 8/2008 Giacomo
7,416,361 B1 8/2008 Ostrobrod
D585,616 S 1/2009 Libman et al.
7,670,072 B2 3/2010 Tella et al.
7,694,387 B1 4/2010 Huang
7,802,340 B2 9/2010 Knopow et al.
D636,661 S 4/2011 Marmas
D644,384 S * 8/2011 Santiago D32/34
8,006,711 B2 8/2011 Pietrzak et al.
D658,053 S 4/2012 Okun
D658,891 S 5/2012 Green
D661,981 S 6/2012 Melino, Sr. et al.

8,276,605 B2 10/2012 Heathcote et al.
8,347,443 B1 1/2013 Conrad
D703,406 S 4/2014 Meyer
8,702,339 B2 * 4/2014 Ballentine F16B 7/1454
403/109.5
9,060,470 B1 6/2015 Donaldson
9,241,560 B1 1/2016 Angel
D753,354 S * 4/2016 Casini D32/18
9,561,520 B2 2/2017 Metaxatos et al.
D793,640 S 8/2017 Buckley et al.
D796,135 S * 8/2017 Yoon D32/32
9,877,631 B2 1/2018 Patterson et al.
D821,188 S 6/2018 Smullen
10,091,948 B2 * 10/2018 Pringnitz B25G 1/04
D838,925 S 1/2019 Qiu et al.
D850,899 S 6/2019 Gridley
10,352,344 B2 7/2019 Muirhead
10,751,049 B2 8/2020 Williams et al.
D906,096 S 12/2020 Larouche
D916,990 S * 4/2021 Singanallur Murali D21/694
D917,121 S 4/2021 Enning et al.
D923,268 S 6/2021 Reed et al.
D923,269 S * 6/2021 Reed D32/32
D947,478 S * 3/2022 Chen D32/45
D981,222 S * 3/2023 Harrington D8/396
D989,419 S * 6/2023 Le D30/162
2005/0123344 A1 * 6/2005 Bensussan F16B 7/042
403/109.2
2006/0230581 A1 10/2006 Richardson et al.
2006/0282988 A1 12/2006 Lin
2008/0109975 A1 5/2008 Park et al.
2009/0013483 A1 * 1/2009 Ostrobrod A47L 1/08
15/105
2011/0056035 A1 3/2011 Burbacki
2013/0125325 A1 5/2013 Brancovsky
2016/0113375 A1 4/2016 Lim
2023/0039223 A1 * 2/2023 Ortiz F16B 7/0433

FOREIGN PATENT DOCUMENTS

CN 208221272 U 12/2018
EP 3148391 B1 8/2018
GB 2549812 B 4/2018
GB 2557661 A 6/2018
GB 6148331 * 7/2021
JP D1471370 5/2013
JP D1706406 S 1/2022
WO 2018051141 A1 3/2018

OTHER PUBLICATIONS

Aubret Distribution, "Aubriject systeme, Etudie et teste par des professionnels du nettoyage", concepteur fabricant de systemes innovants, 2015, 24 pages.
Exel Composites Plc, "Exel Extender Telescopic System" Brochure, 2011, 2 pages.
Exel Composites, "Tool Handles and Telescopes" Brochure, 2012, 12 pages.
Godfrey Systems International, Inc. Manufacturer & Distributer of Aerospace Lighting, "Telescopic Systems, Telescopic Handles, Telescopic Products : G. S. I. Inc." available at: www.gsilight.com/EXELTELE.html, Updated Feb. 3, 2013, Accessed Jun. 19, 2020, 4 pages.
Spot-Lite V2 complete Glass Fibre water-fed Pole, Cleaning Spot., retrieved May 4, 2022, <https://www.cleaningspot.co.uk/water-fed-equipment/water-fed-poles/fibre-glass/spot-lite-v2-complete-glass-fibre-water-fed-pole/#/3367=size>.
Unger HydroPower Ultra Professional Kit 55' UHPK4, retrieved May 4, 2022 via https://www.buyjanitorialdirect.com/Products/Unger-HydroPower-Ultra-Professional-Kit-55-UHPK4_UN-Ibspc-UHPK4.aspx?via=search&pq=uhpk4.

* cited by examiner

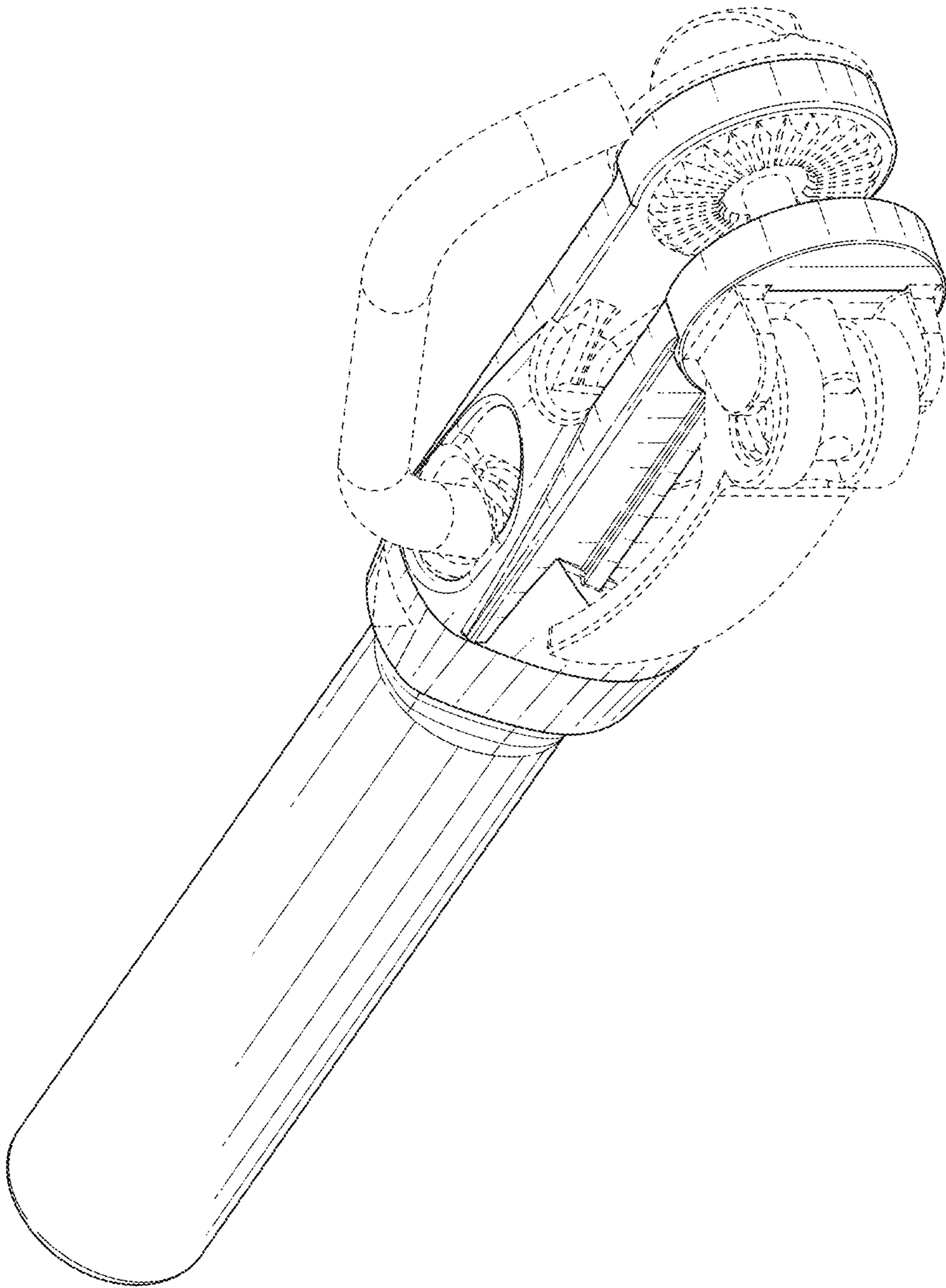


FIG. 1

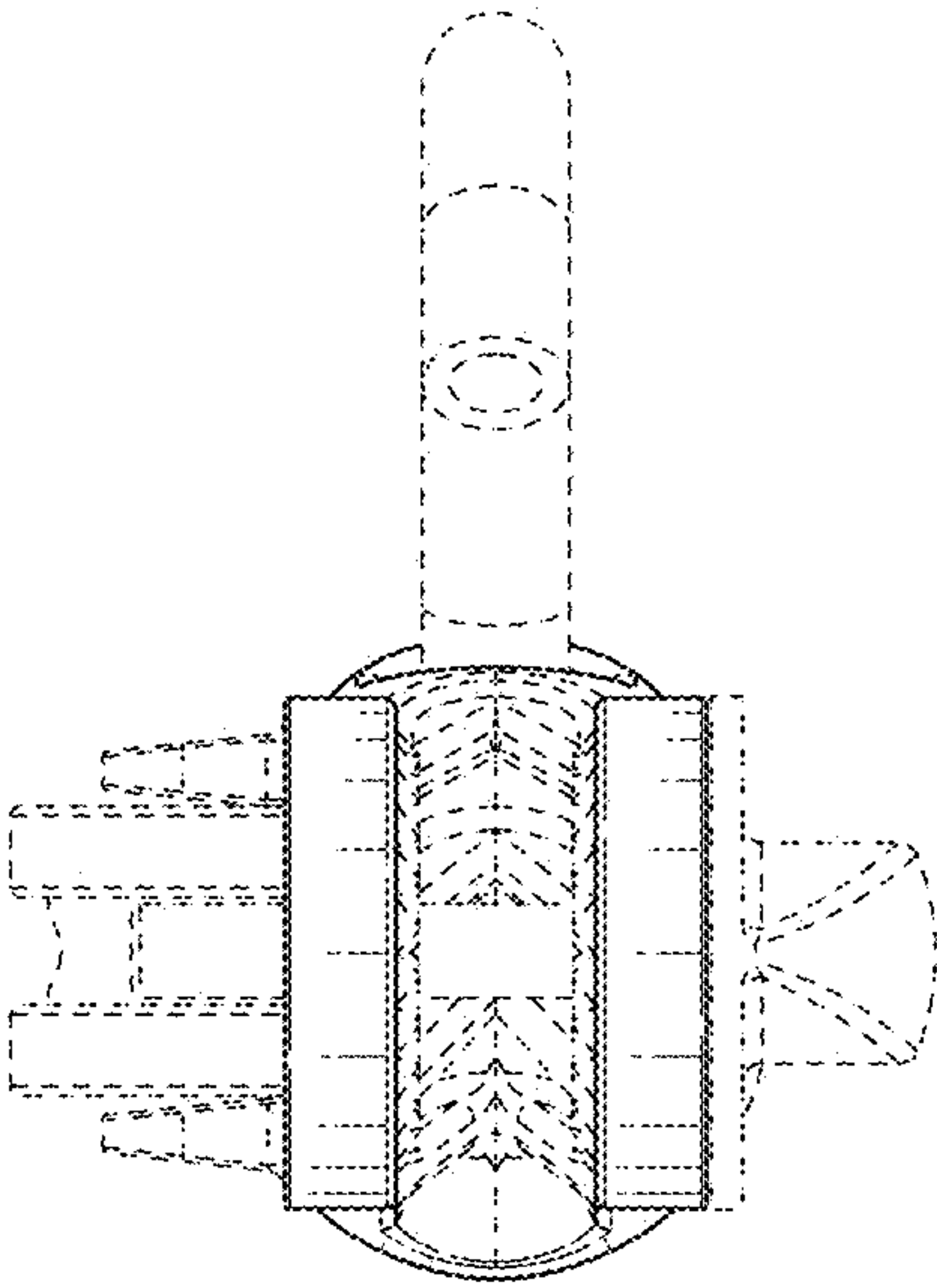


FIG. 2

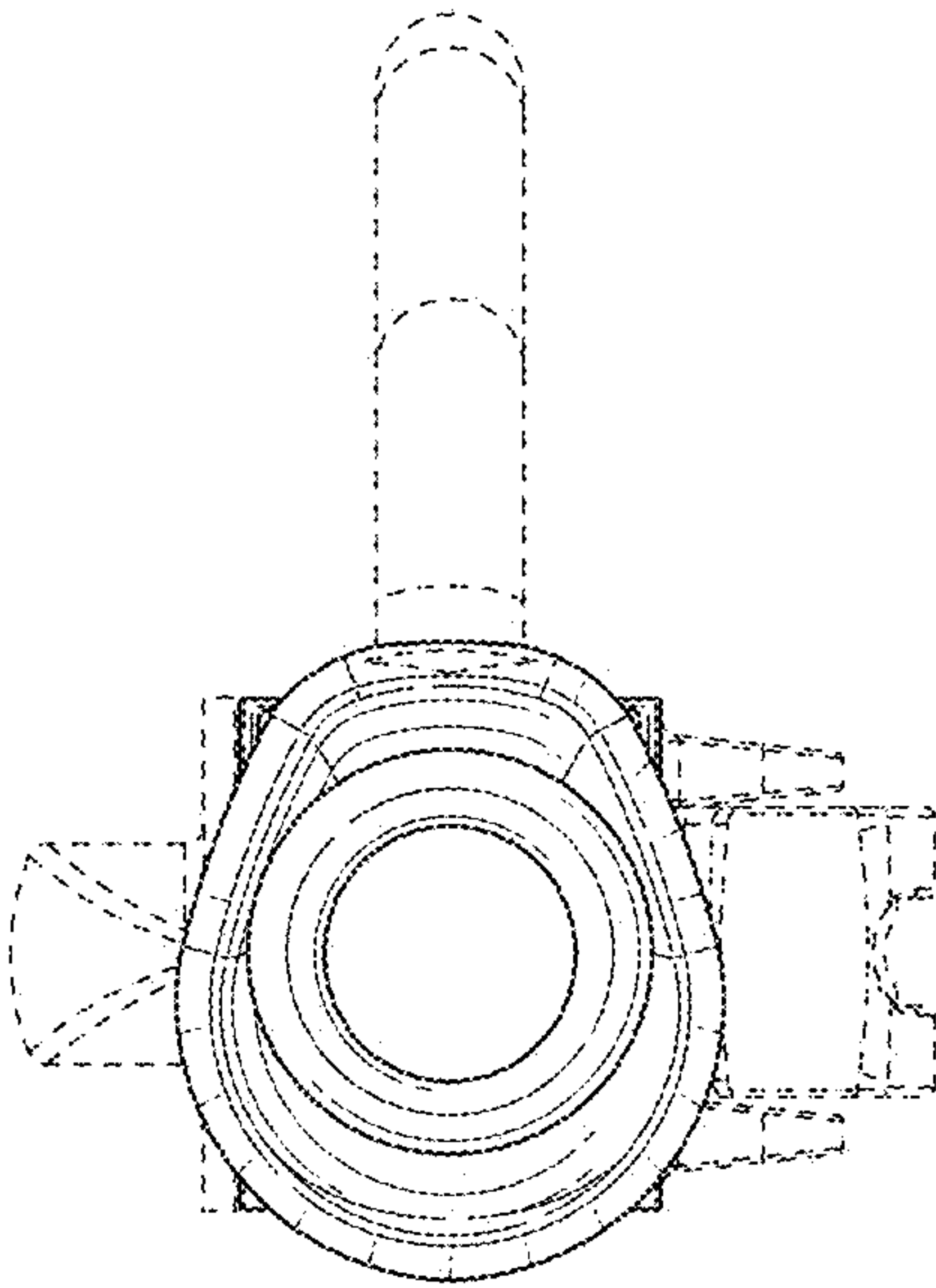


FIG. 3

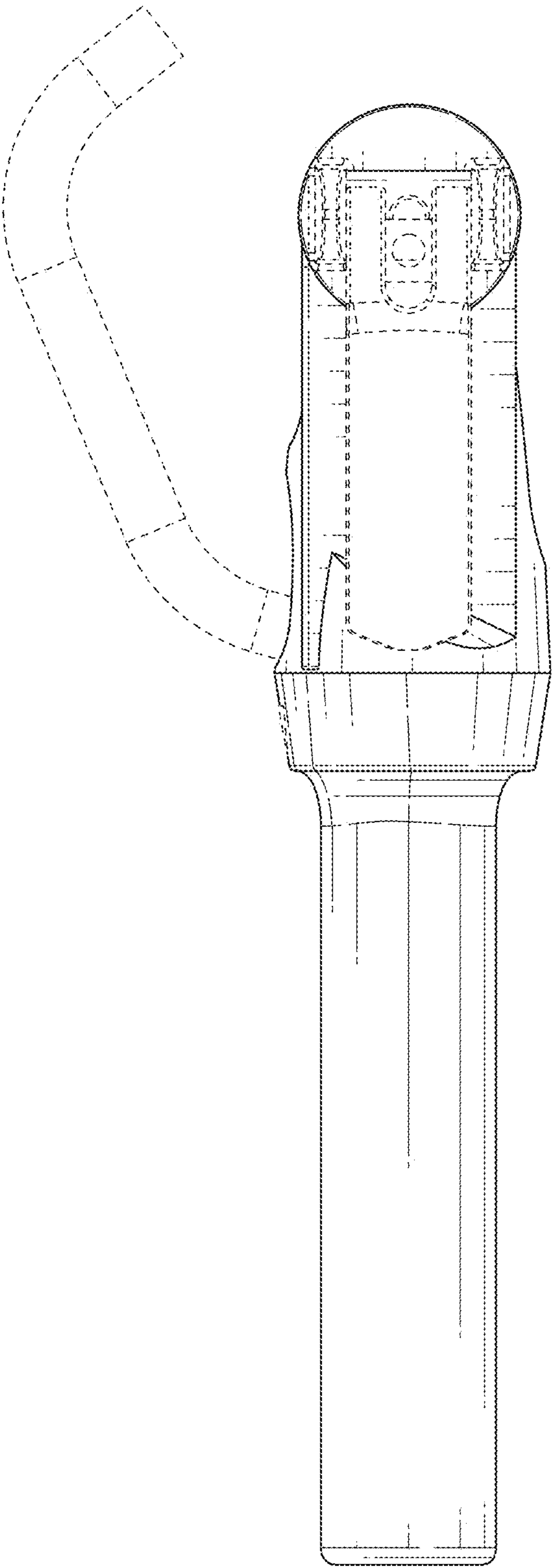


FIG. 4

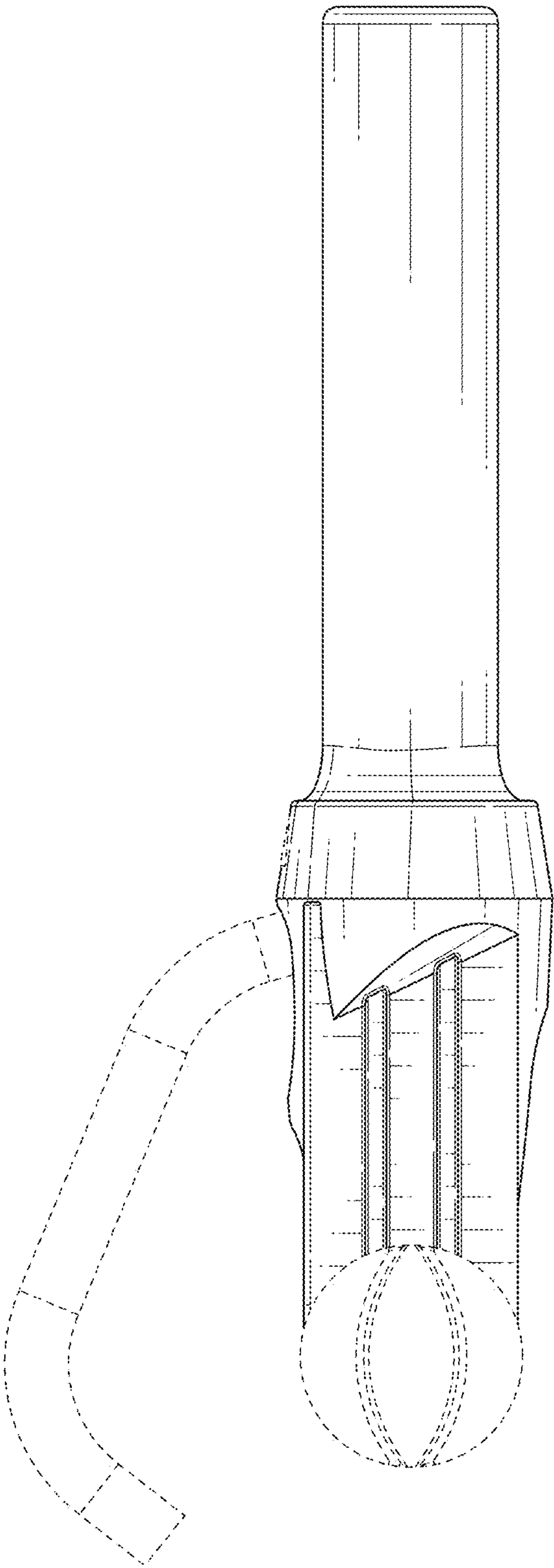


FIG. 5

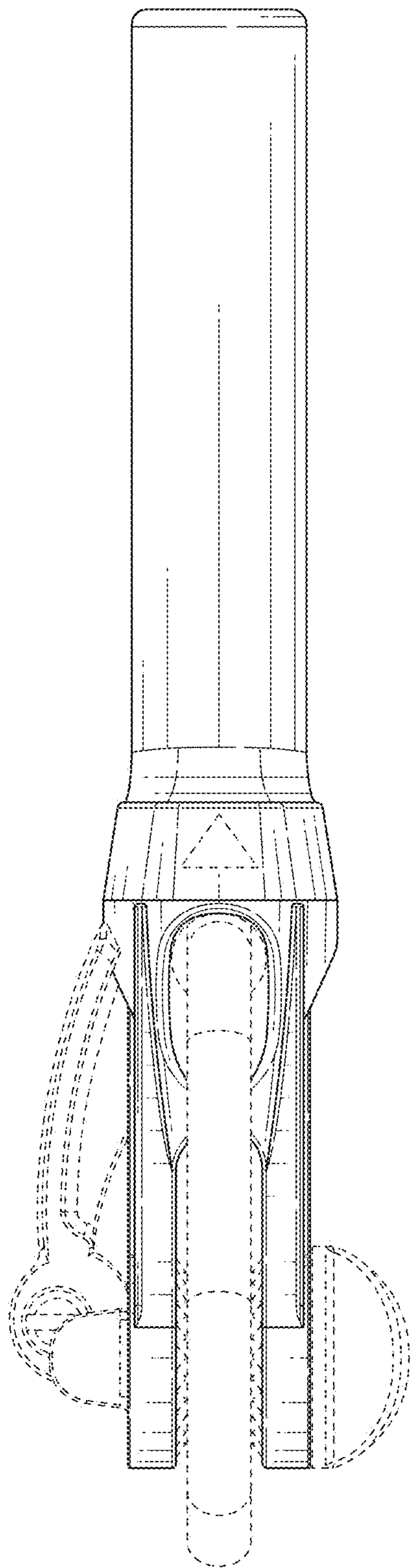


FIG. 6

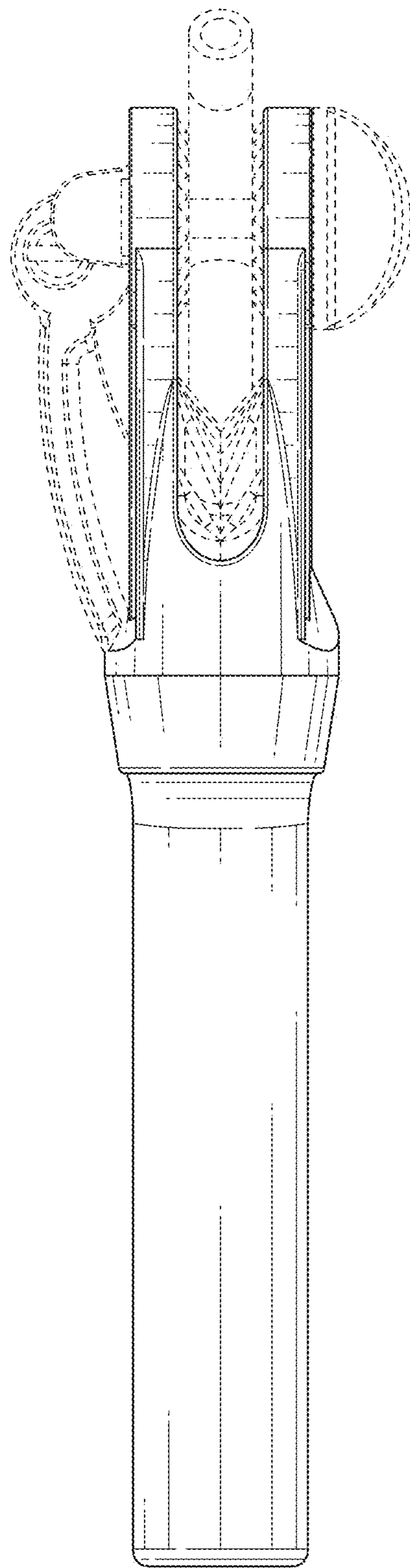


FIG. 7

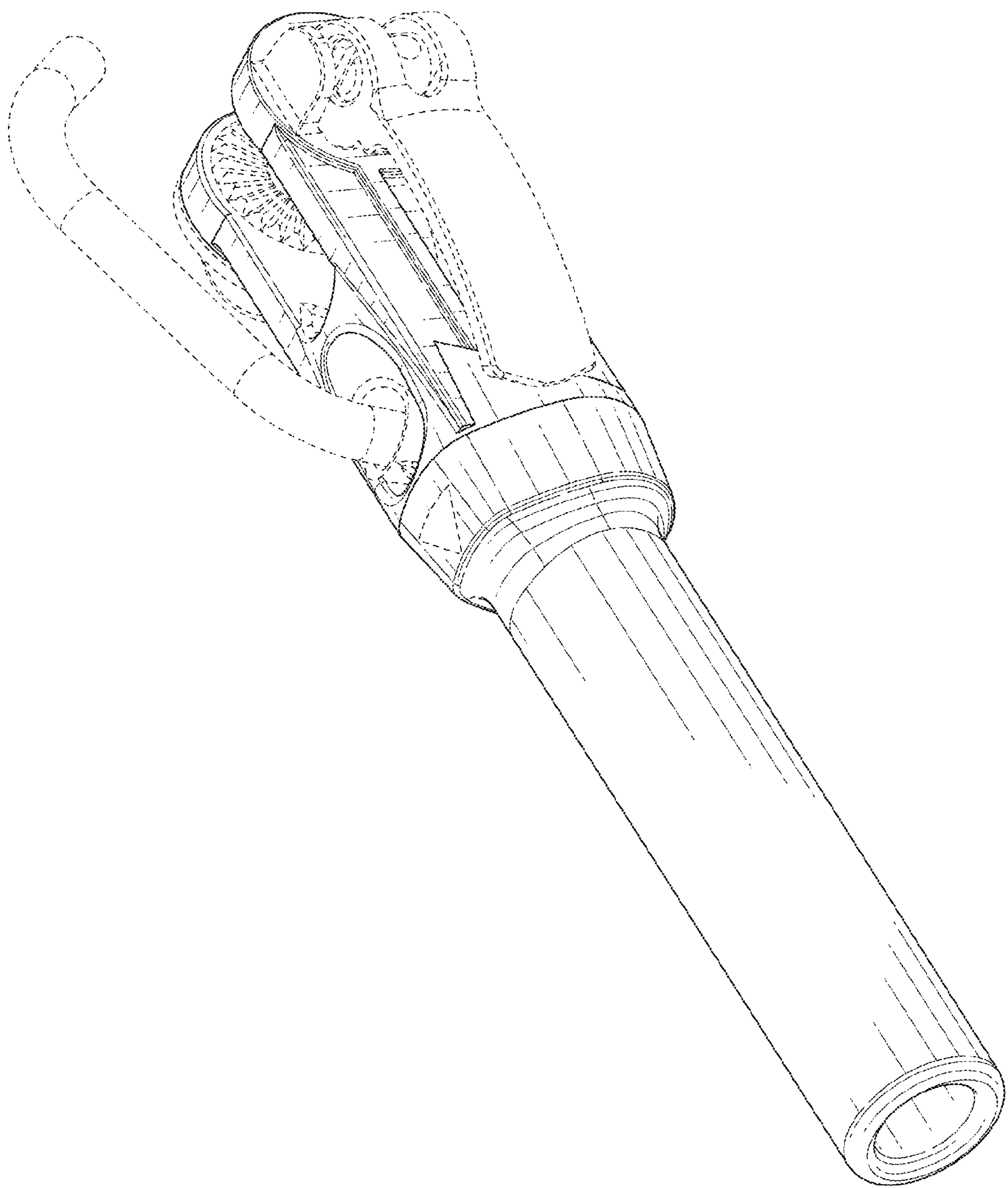


FIG. 8