



US00D977629S

(12) **United States Design Patent** (10) **Patent No.:** **US D977,629 S**
Lackey et al. (45) **Date of Patent:** **** Feb. 7, 2023**

(54) **CATHETER SYSTEM HAVING A PINCH CLAMP**

(71) Applicant: **Becton, Dickinson and Company**, Franklin Lakes, NJ (US)

(72) Inventors: **John Lackey**, West Valley City, UT (US); **Hadley Hendrick**, Salt Lake City, UT (US); **Benjamin Hopwood**, Salt Lake City, UT (US); **San San Wu**, Park City, UT (US); **Curtis H. Blanchard**, Riverton, UT (US); **Ralph L. Sonderegger**, Farmington, UT (US); **Shaun Staley**, Murray, UT (US); **David Myers**, Draper, UT (US); **Thomas Solosko**, Draper, UT (US)

(73) Assignee: **Becton, Dickinson and Company**, Franklin Lakes, NJ (US)

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

(21) Appl. No.: **29/760,466**

(22) Filed: **Dec. 1, 2020**

(51) **LOC (14) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/112**

(58) **Field of Classification Search**
USPC D24/112–114, 133, 186, 130, 127, 108
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D592,302 S * 5/2009 Stokes D24/112
D726,304 S * 4/2015 Yatabe D24/112
(Continued)

FOREIGN PATENT DOCUMENTS

EM 008568745-0004 * 6/2021

OTHER PUBLICATIONS

Triple Lumen Needle-Free Extension Set, 10cm With Pinch Clamp—SecureConnect®, Spirit Medical, [Post date unknown], [Site seen Jul. 7, 2022], Seen at URL: <https://spiritmedical.com/products/>

secureconnect/triple-lumen-needle-free-extension-set-10cm-with-pinch-clamp-secureconnect/ (Year: 2022).*

(Continued)

Primary Examiner — Natasha Vujcic

Assistant Examiner — Gilbert B Ford

(74) *Attorney, Agent, or Firm* — The Webb Law Firm

(57) **CLAIM**

The ornamental design for a catheter system having a pinch clamp, as shown and described.

DESCRIPTION

The file of this patent contains at least one drawing/photograph executed in color. Copies of this patent with color drawing(s)/photograph(s) will be provided by the Office upon request and payment of the necessary fee.

FIG. 1 is a top view of a first embodiment of our new design for a catheter system having a pinch clamp, illustrating a first color combination.

FIG. 2 is a bottom view of the first embodiment.

FIG. 3 is a right side view of the first embodiment.

FIG. 4 is a left side view of the first embodiment.

FIG. 5 is a front view of the first embodiment.

FIG. 6 is a rear view of the first embodiment.

FIG. 7 is a lower perspective view of the first embodiment.

FIG. 8 is an upper perspective view of the first embodiment.

FIG. 9 is a top view of a second embodiment of our new design for a catheter system having a pinch clamp, illustrating a second color combination.

FIG. 10 is a bottom view of the second embodiment.

FIG. 11 is a right side view of the second embodiment.

FIG. 12 is a left side view of the second embodiment.

FIG. 13 is a front view of the second embodiment.

FIG. 14 is a rear view of the second embodiment.

FIG. 15 is a lower perspective view of the second embodiment.

FIG. 16 is an upper perspective view of the second embodiment.

FIG. 17 is a top view of a third embodiment of our new design for a catheter system having a pinch clamp, illustrating a third color combination.

FIG. 18 is a bottom view of the third embodiment.

(Continued)

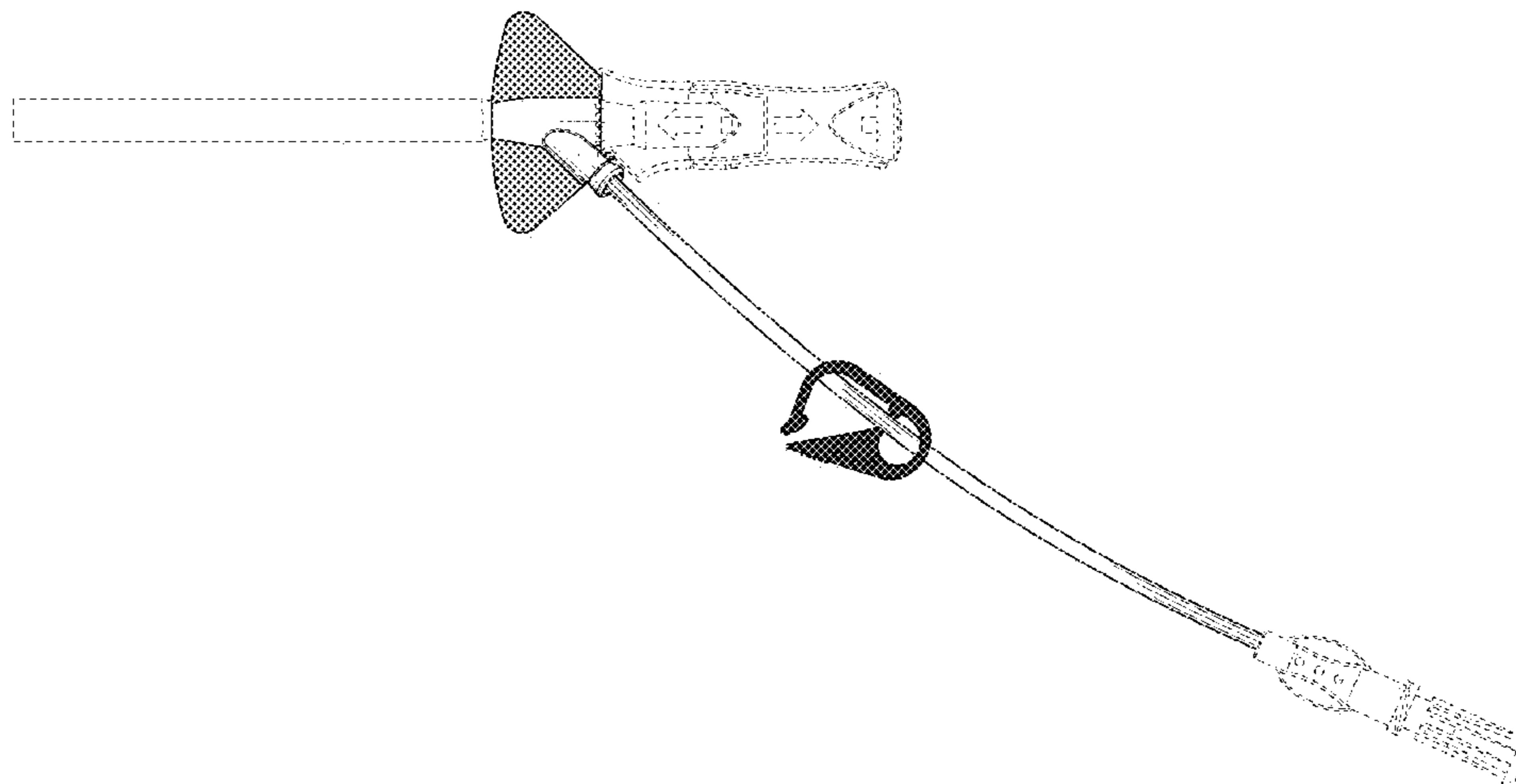


FIG. 19 is a right side view of the third embodiment.
 FIG. 20 is a left side view of the third embodiment.
 FIG. 21 is a front view of the third embodiment.
 FIG. 22 is a rear view of the third embodiment.
 FIG. 23 is a lower perspective view of the third embodiment.
 FIG. 24 is an upper perspective view of the third embodiment.
 FIG. 25 is a top view of a fourth embodiment of our new design for a catheter system having a pinch clamp, illustrating a fourth color combination.
 FIG. 26 is a bottom view of the fourth embodiment.
 FIG. 27 is a right side view of the fourth embodiment.
 FIG. 28 is a left side view of the fourth embodiment.
 FIG. 29 is a front view of the fourth embodiment.
 FIG. 30 is a rear view of the fourth embodiment.
 FIG. 31 is a lower perspective view of the fourth embodiment; and,
 FIG. 32 is an upper perspective view of the fourth embodiment.
 The broken lines in the drawings illustrate portions of the catheter system having a pinch clamp and form no part of the claimed design.

1 Claim, 24 Drawing Sheets
(24 of 24 Drawing Sheet(s) Filed in Color)

(58) **Field of Classification Search**
 CPC .. A61M 25/065; A61M 5/42; A61M 25/0612;

A61M 25/00; A61M 39/00; A61M 27/00;
 A61M 25/0043; A61M 25/0067
 See application file for complete search history.

(56)

References Cited

U.S. PATENT DOCUMENTS

D817,482	S *	5/2018	Howell	A61B 5/150641
				D24/112
D893,711	S *	8/2020	Chheda	D24/130
10,869,993	B2 *	12/2020	Ma	A61M 5/158
11,324,926	B2 *	5/2022	Harding	A61M 25/0606
2020/0078564	A1 *	3/2020	Blanchard	A61M 25/0606
2020/0078579	A1 *	3/2020	Harding	A61M 25/0097
2020/0164180	A1 *	5/2020	Sonderegger	A61M 25/0606
2020/0261711	A1 *	8/2020	Spataro	A61M 39/28
2020/0316336	A1 *	10/2020	Isaacson	G16H 10/60
2020/0316344	A1 *	10/2020	Isaacson	A61M 25/02
2020/0316346	A1 *	10/2020	Burkholz	A61M 25/09041
2021/0228781	A1 *	7/2021	Scherich	A61M 25/0045
2021/0228842	A1 *	7/2021	Scherich	A61M 25/0606
2021/0402141	A1 *	12/2021	Scherich	A61M 25/0067

OTHER PUBLICATIONS

BD Nexiva™ Diffusics™ Closed IV Catheter Insertion Techniques, BD, youtube, [Post date: Apr. 13, 2020], [Site seen Jul. 7, 2022], Seen at URL: <https://www.youtube.com/watch?v=SWHSLIVDys> (Year: 2020).*

* cited by examiner

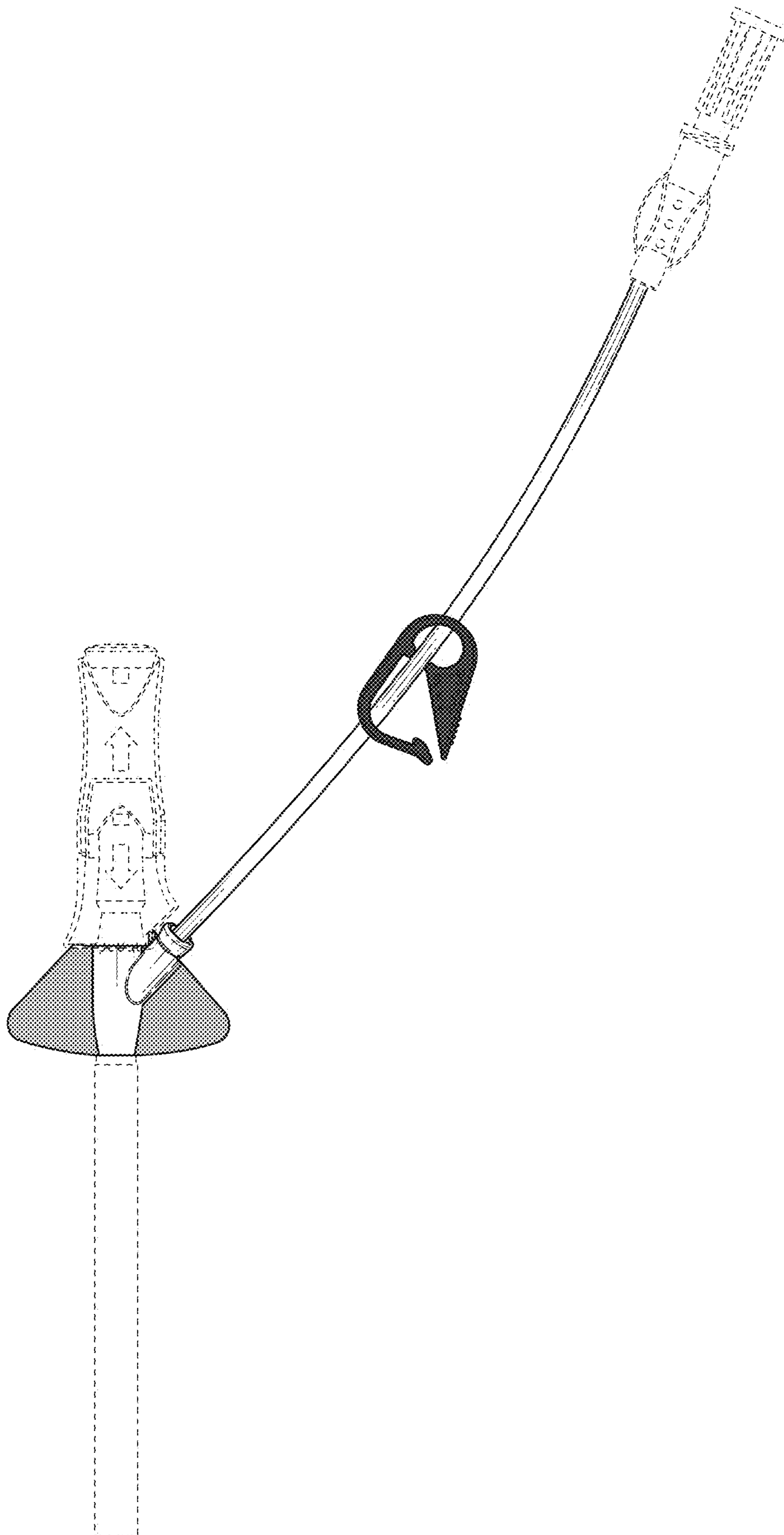


Figure 1

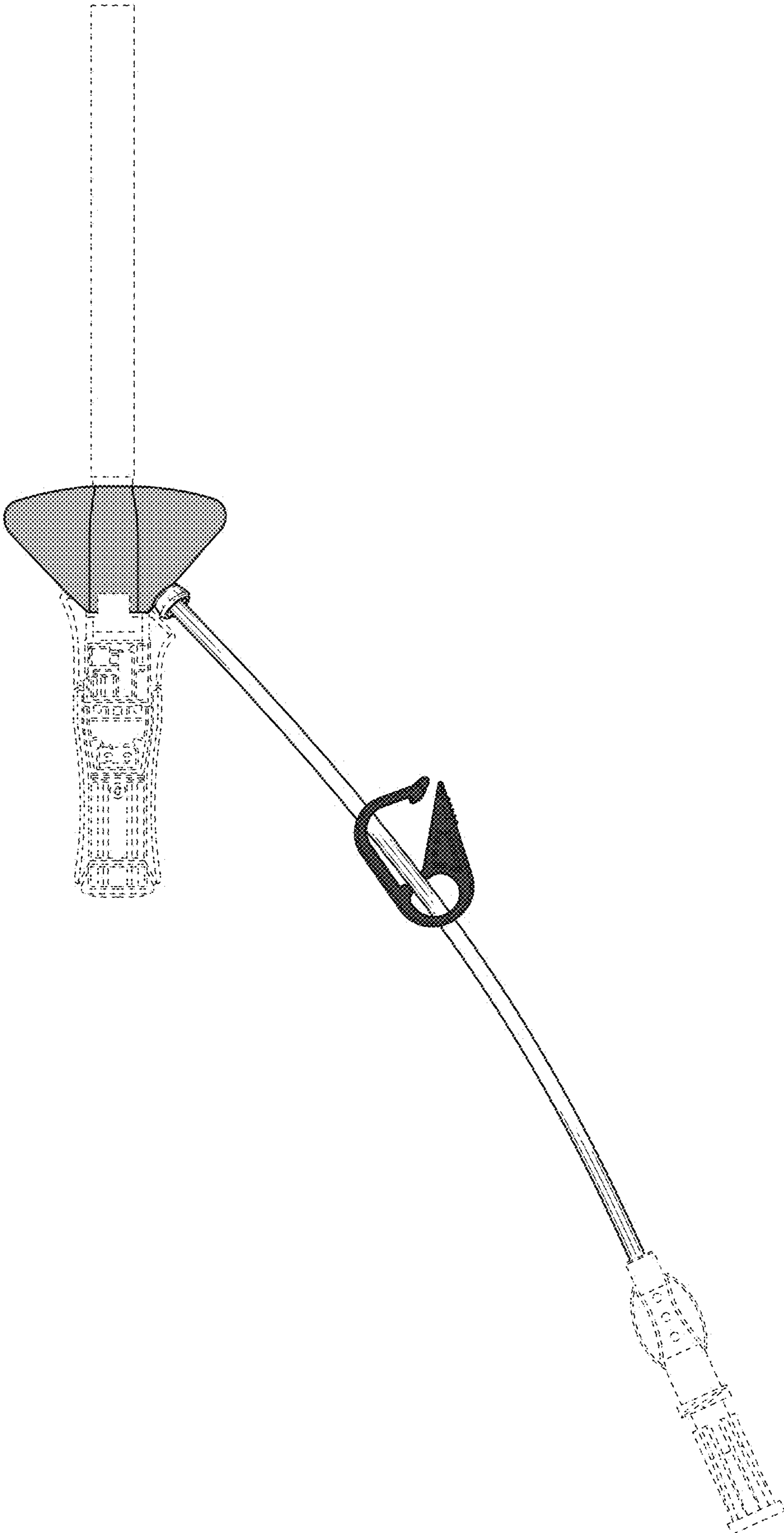


Figure 2

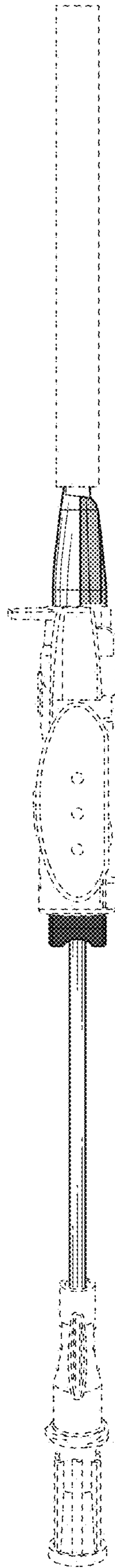


Figure 3

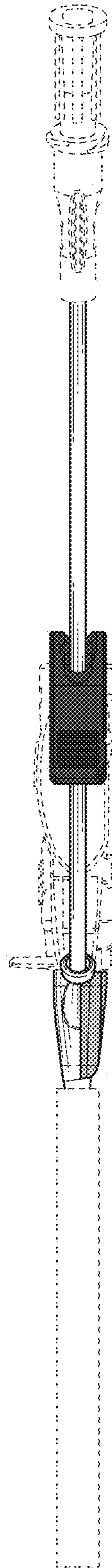


Figure 4

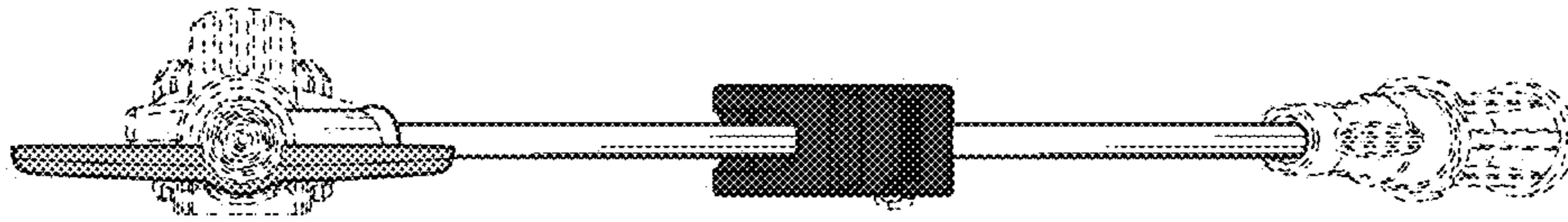


Figure 5

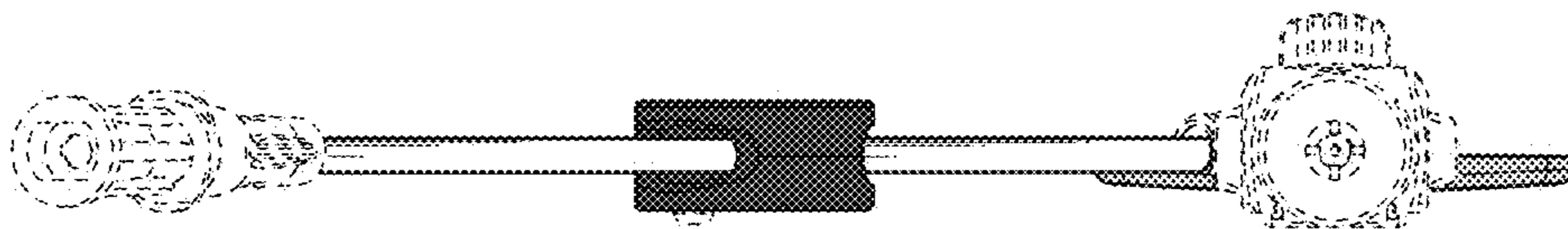


Figure 6

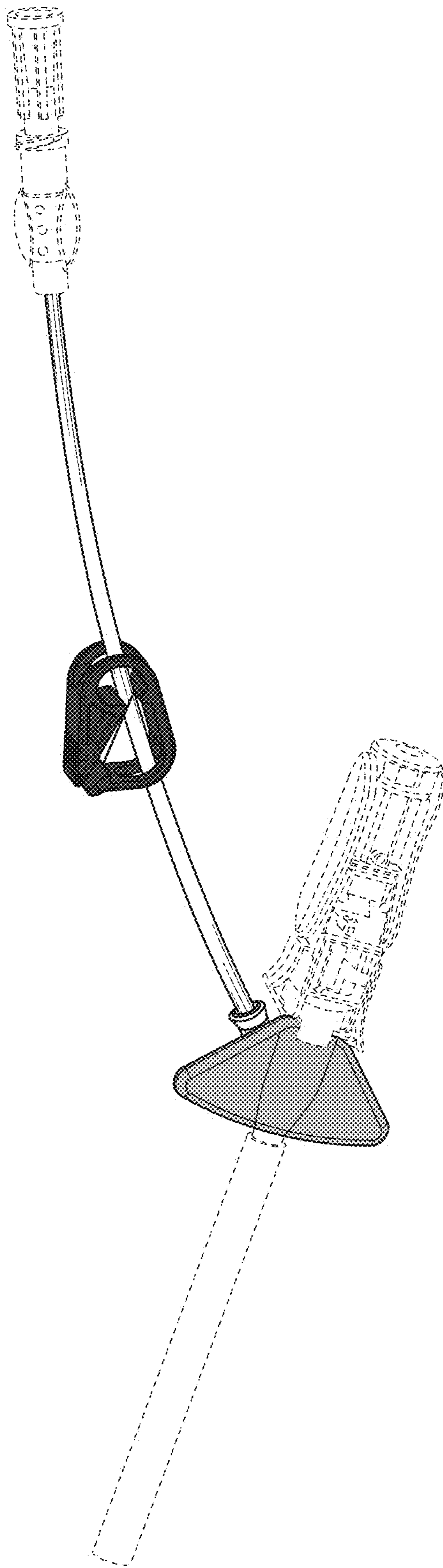


Figure 7

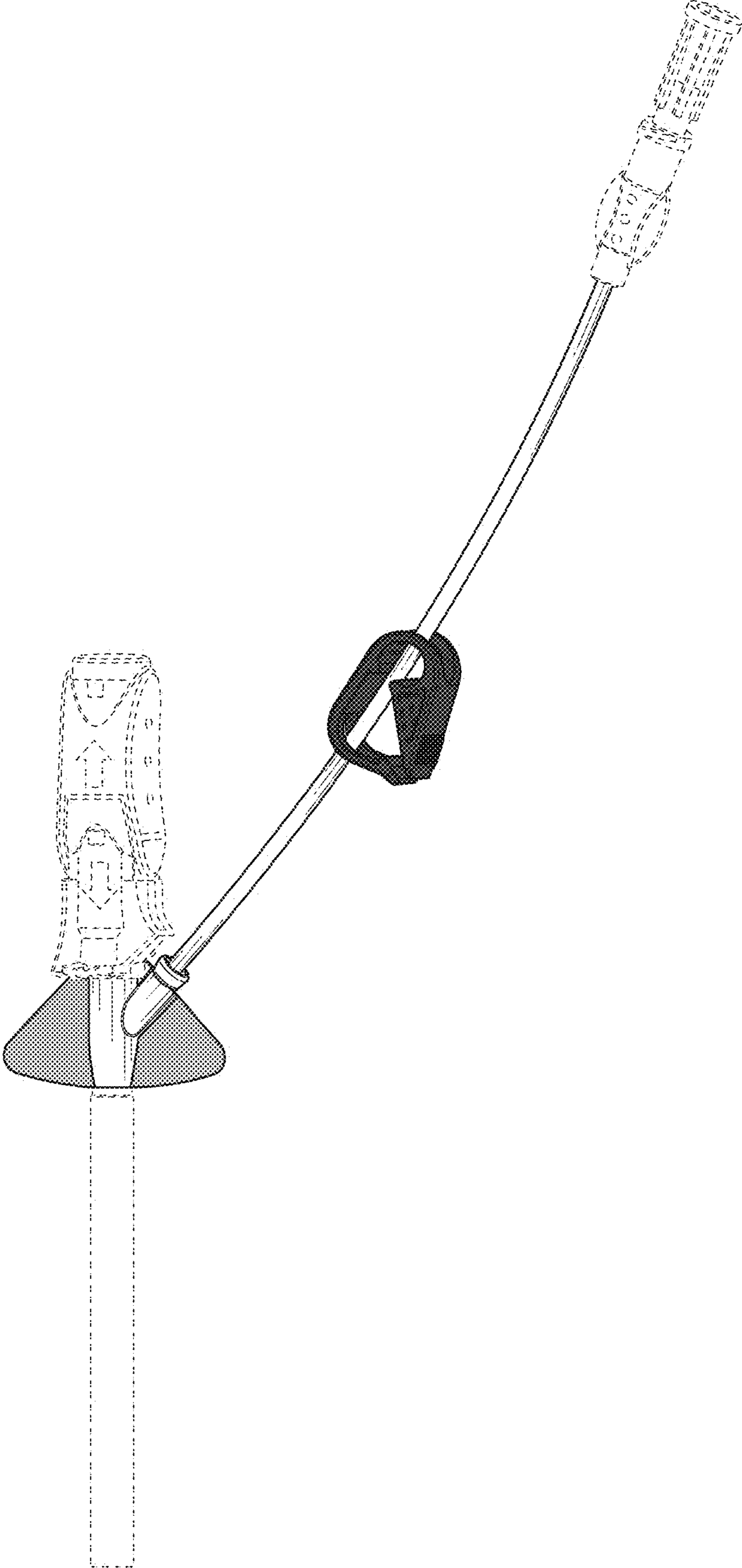


Figure 8

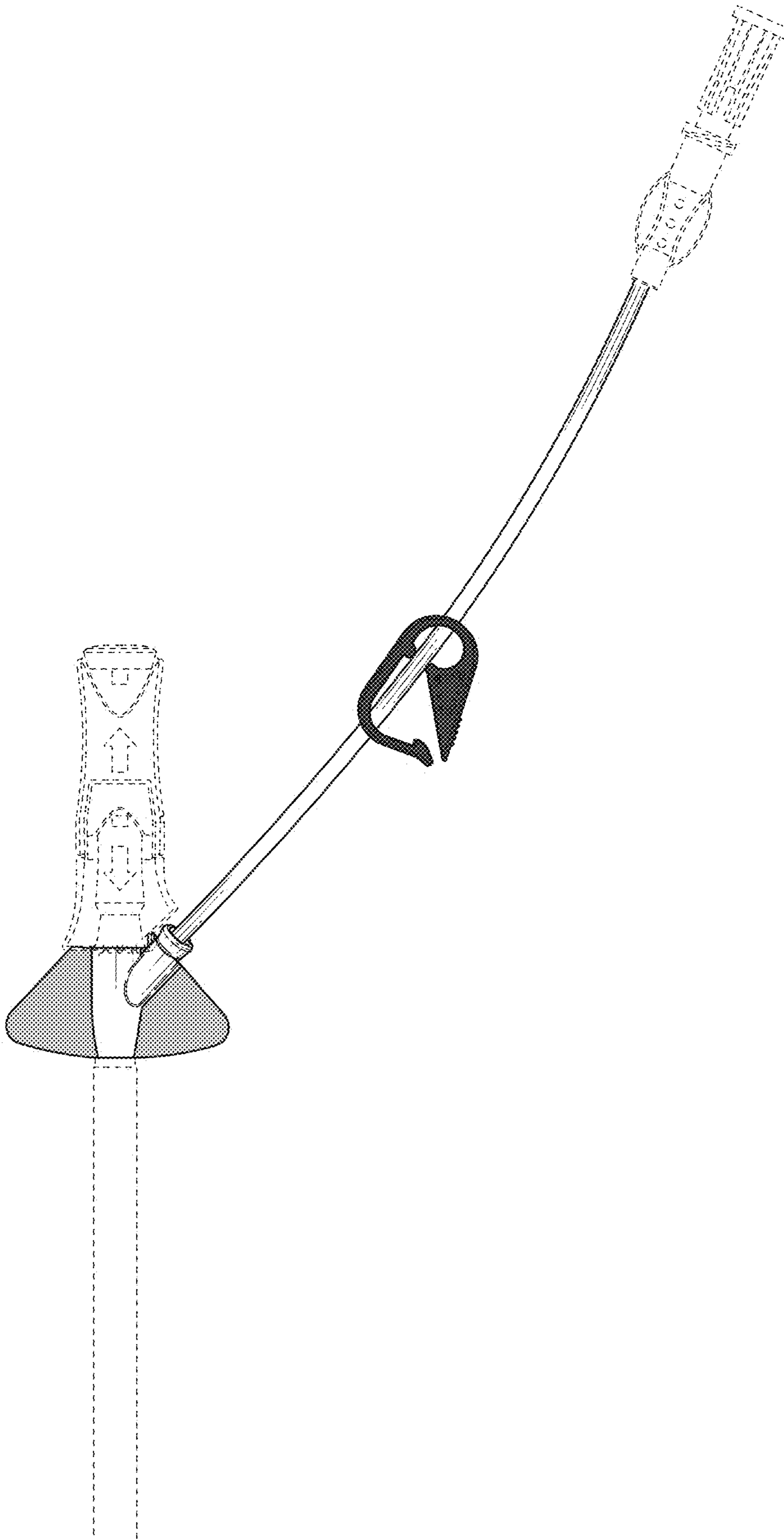


Figure 9

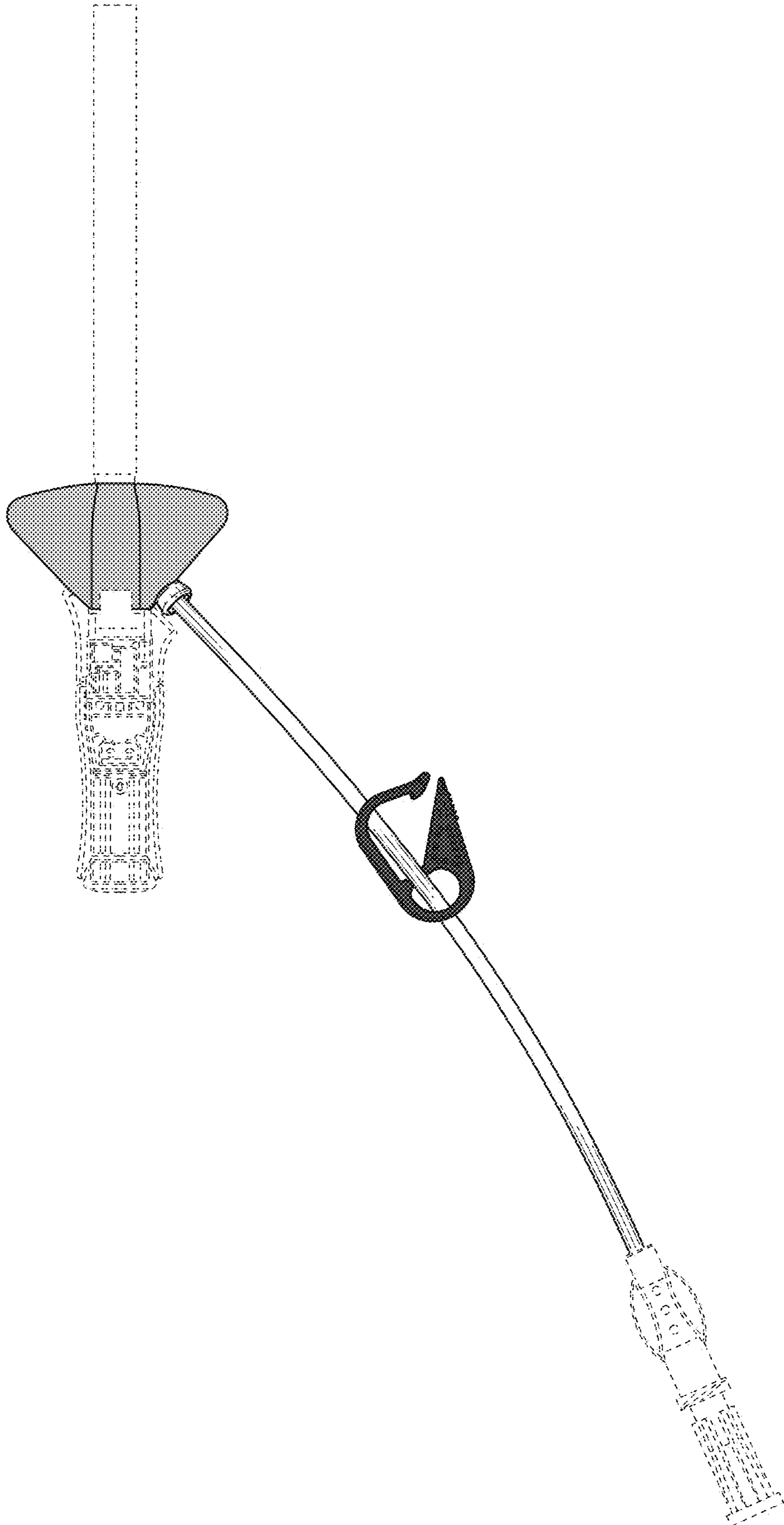


Figure 10

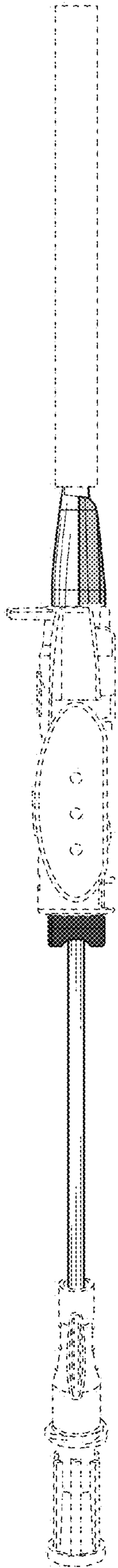


Figure 11

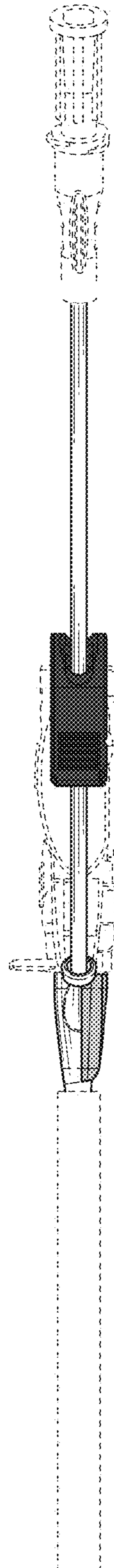


Figure 12

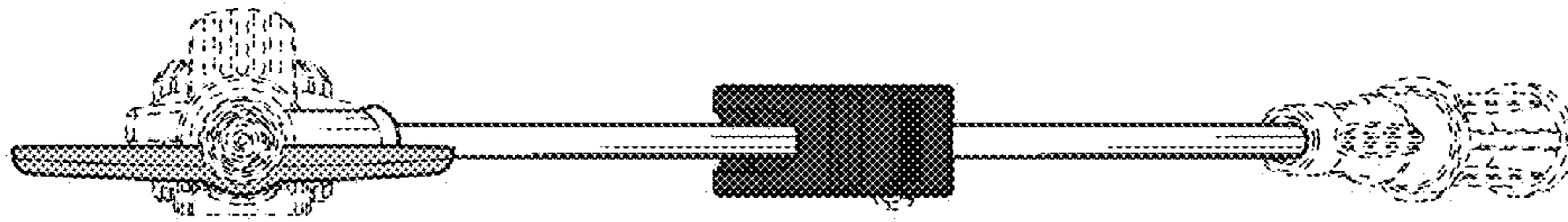


Figure 13

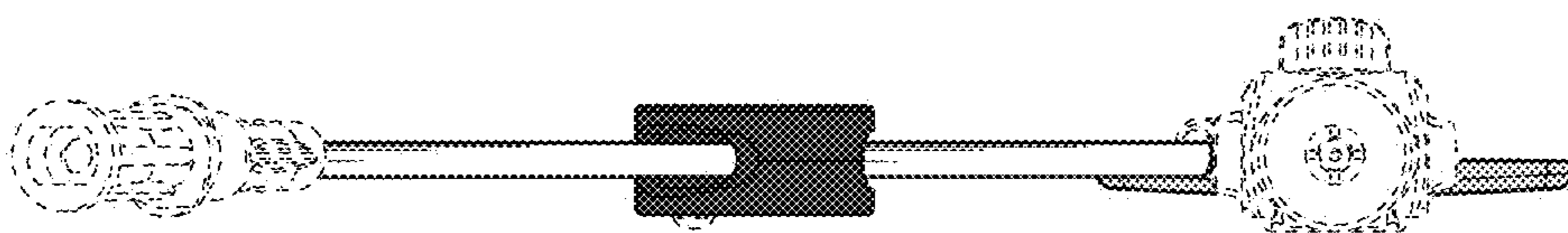


Figure 14

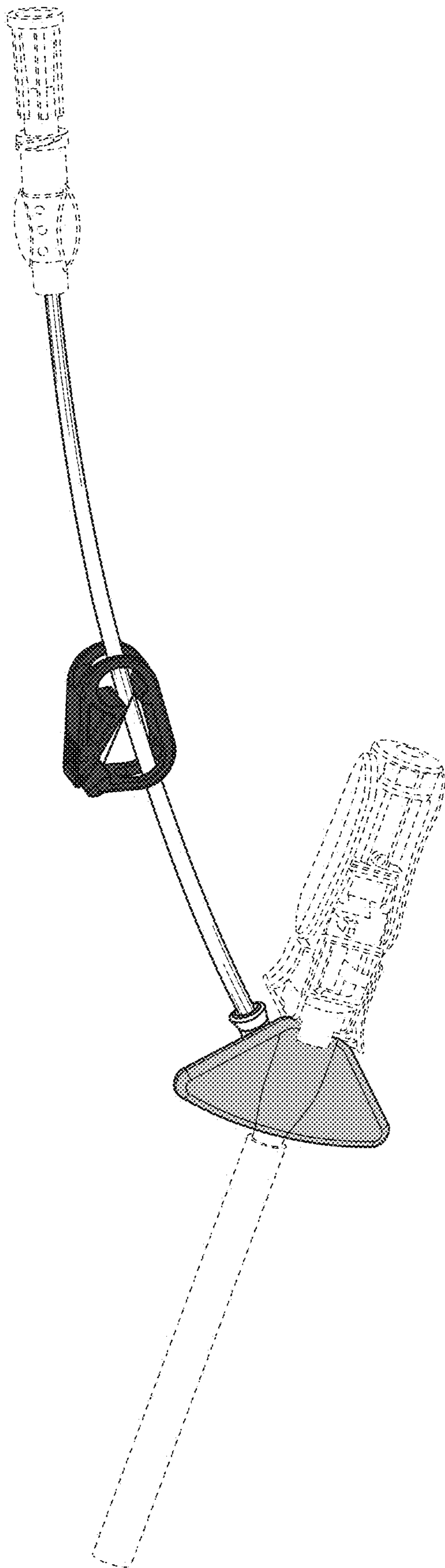


Figure 15

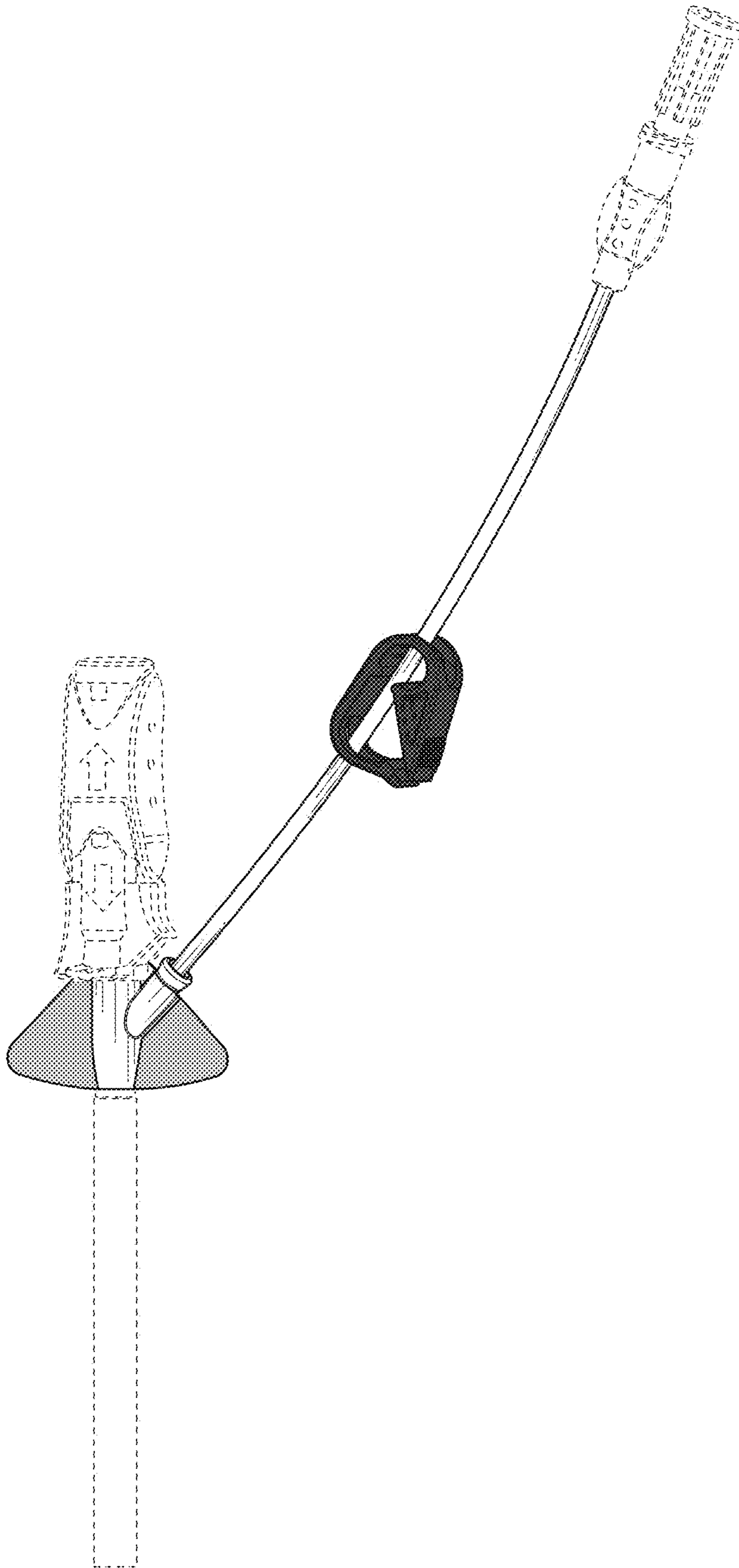


Figure 16

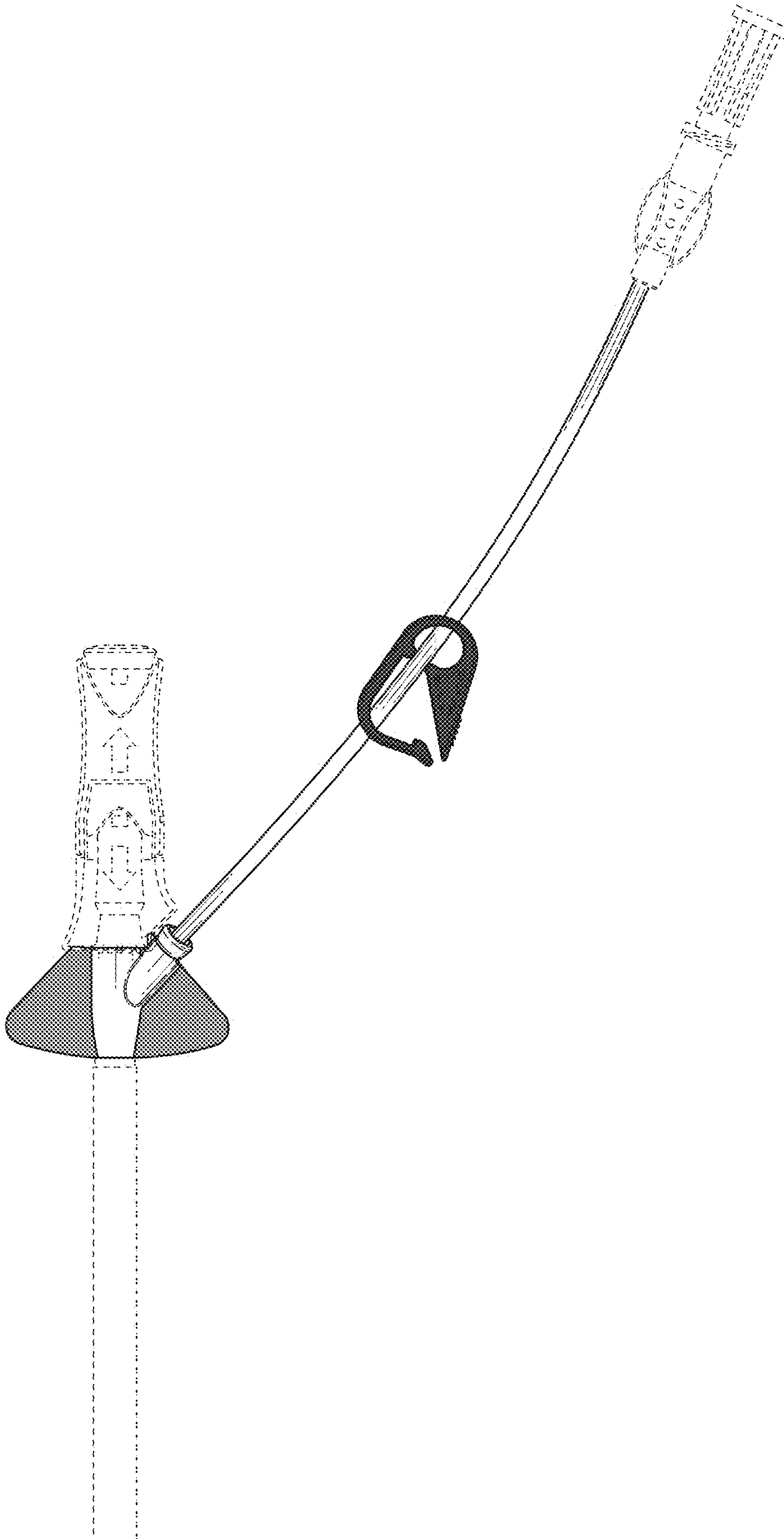


Figure 17

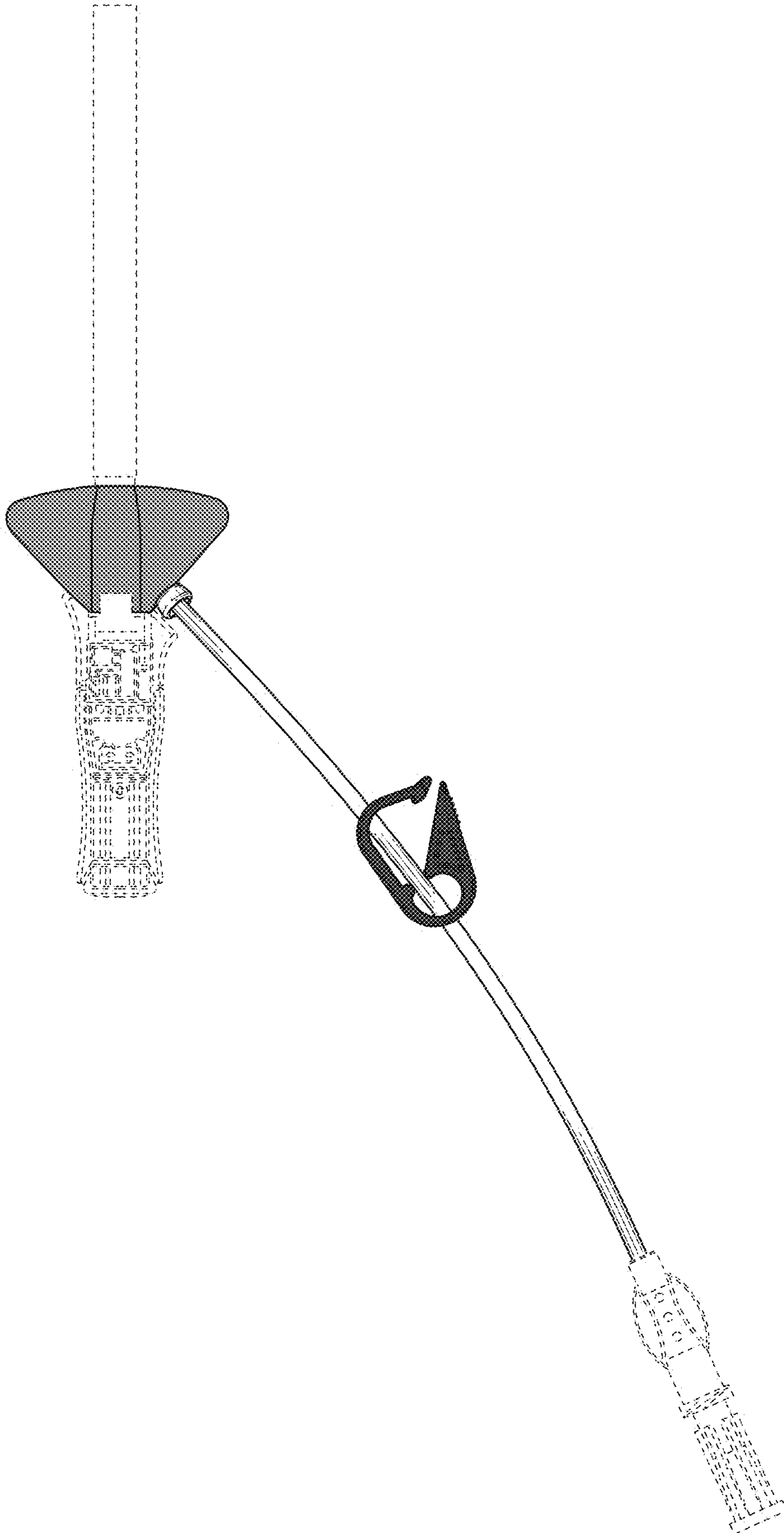


Figure 18

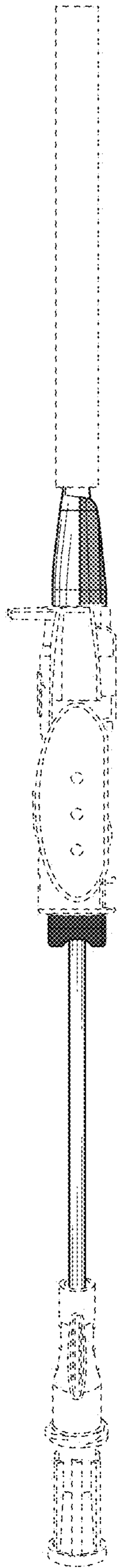


Figure 19

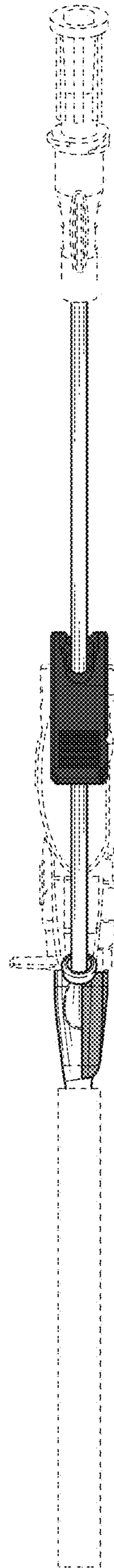


Figure 20

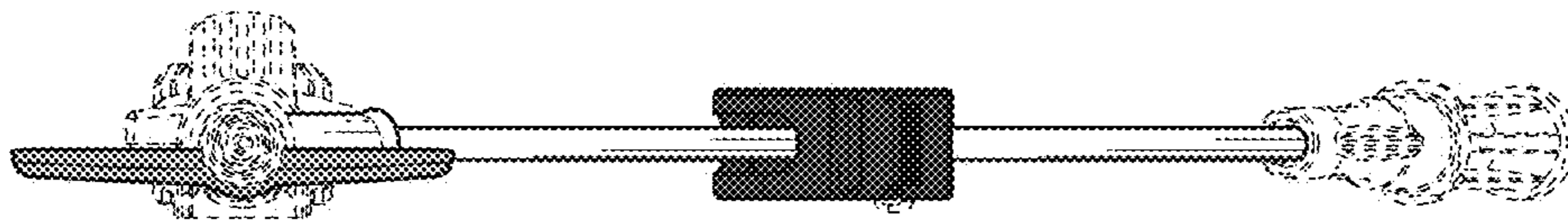


Figure 21

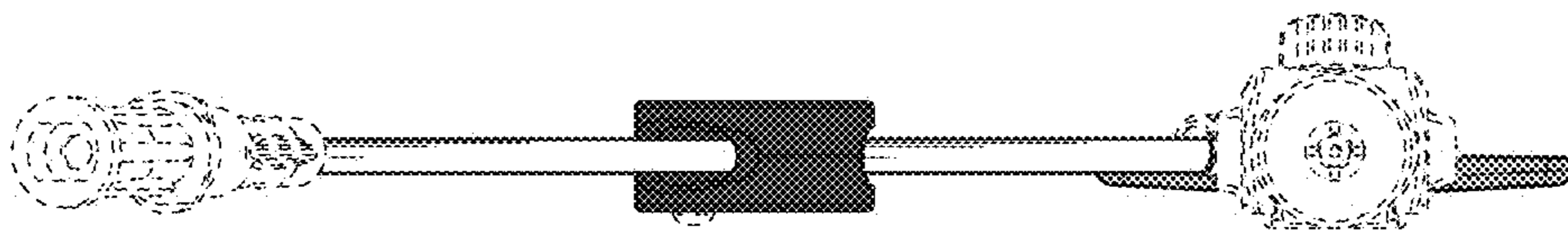


Figure 22

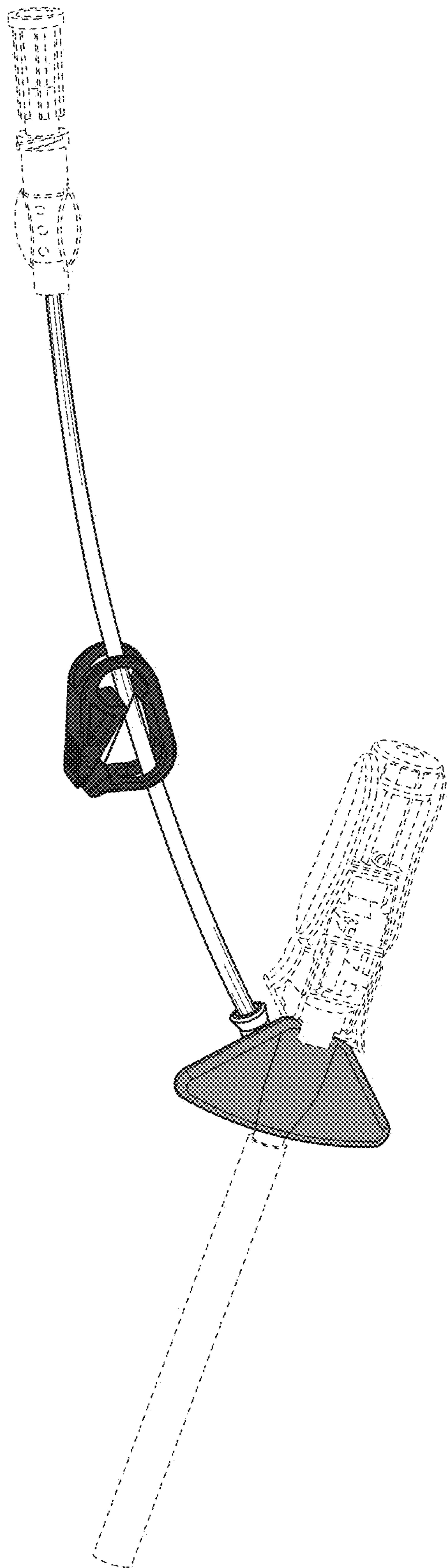


Figure 23

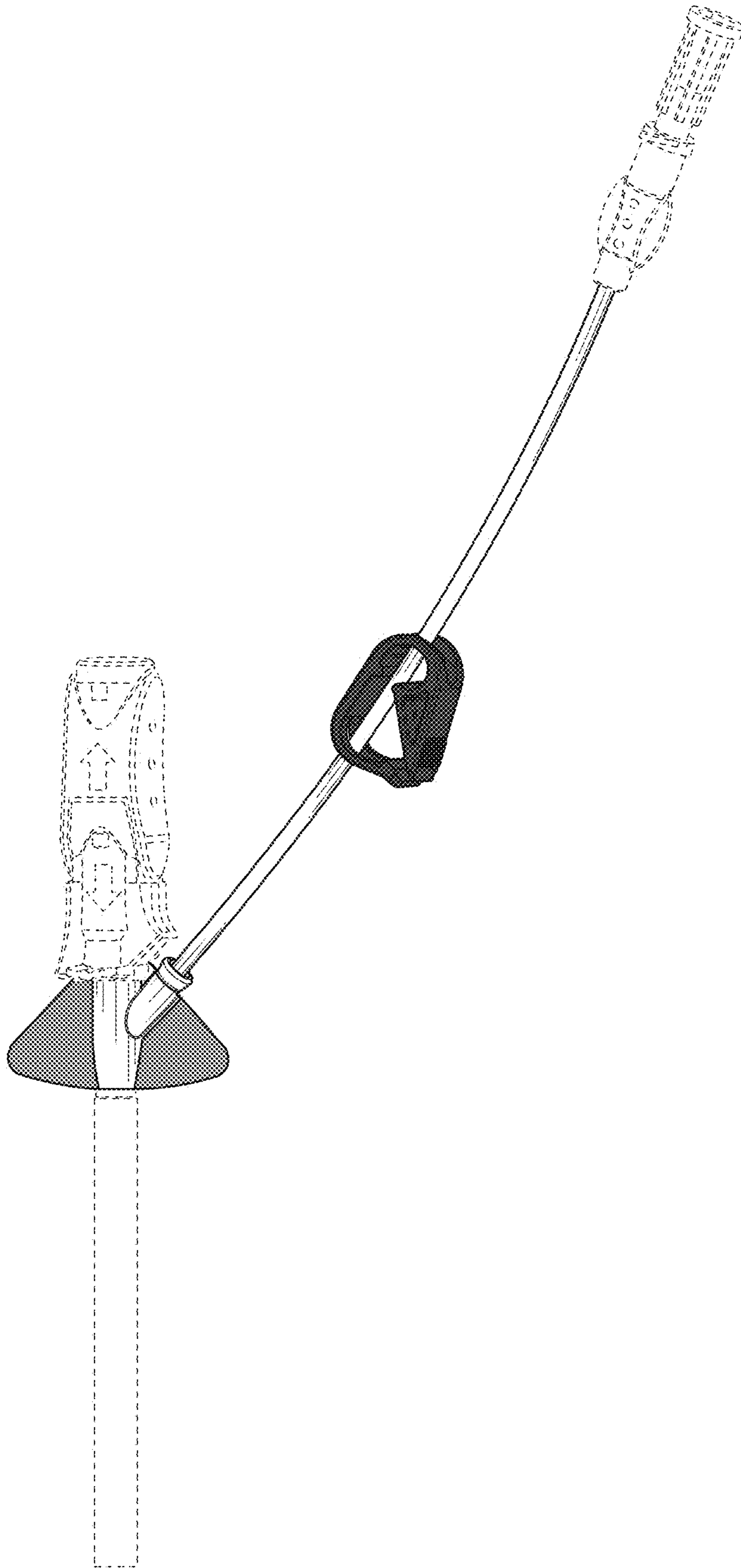


Figure 24

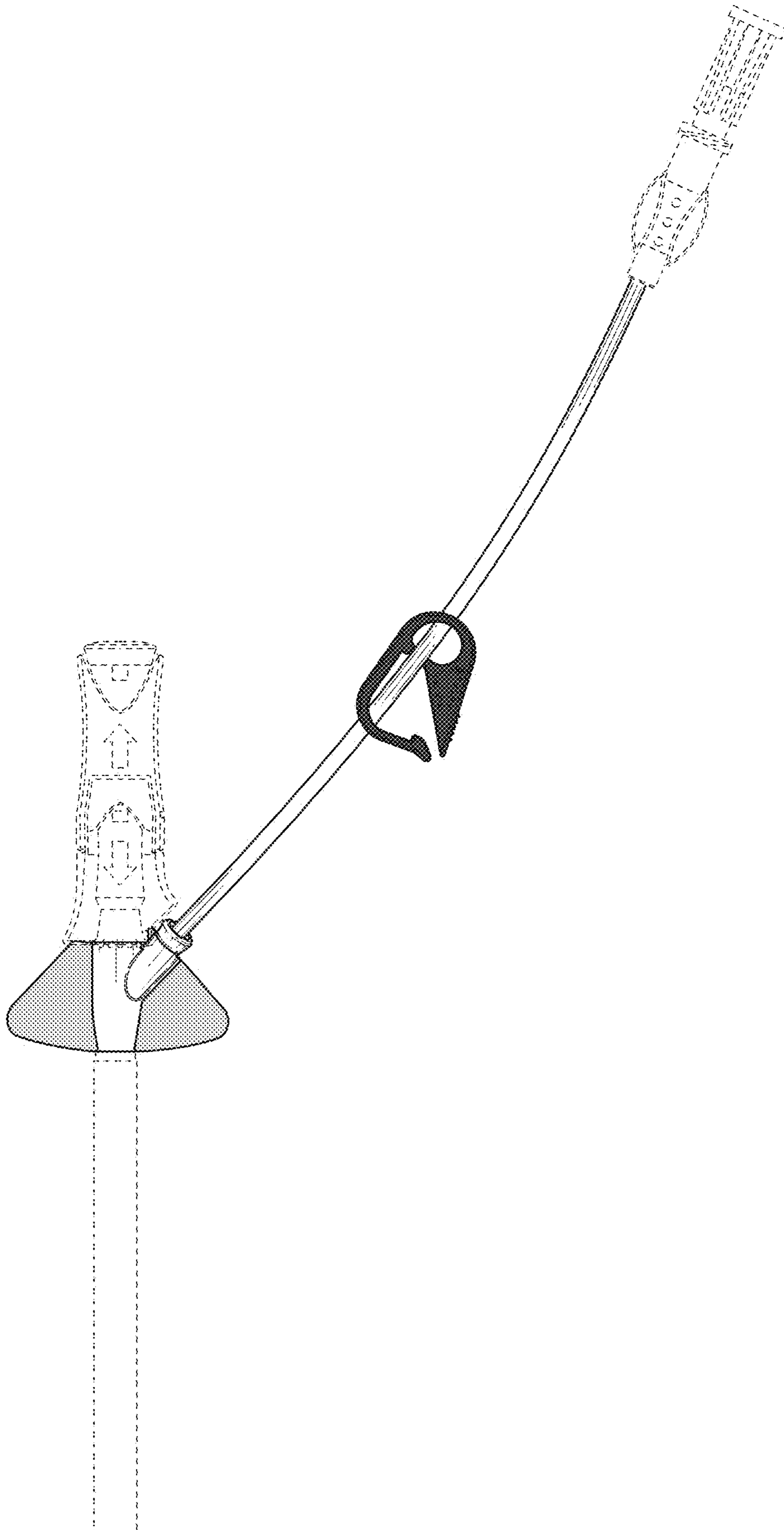


Figure 25

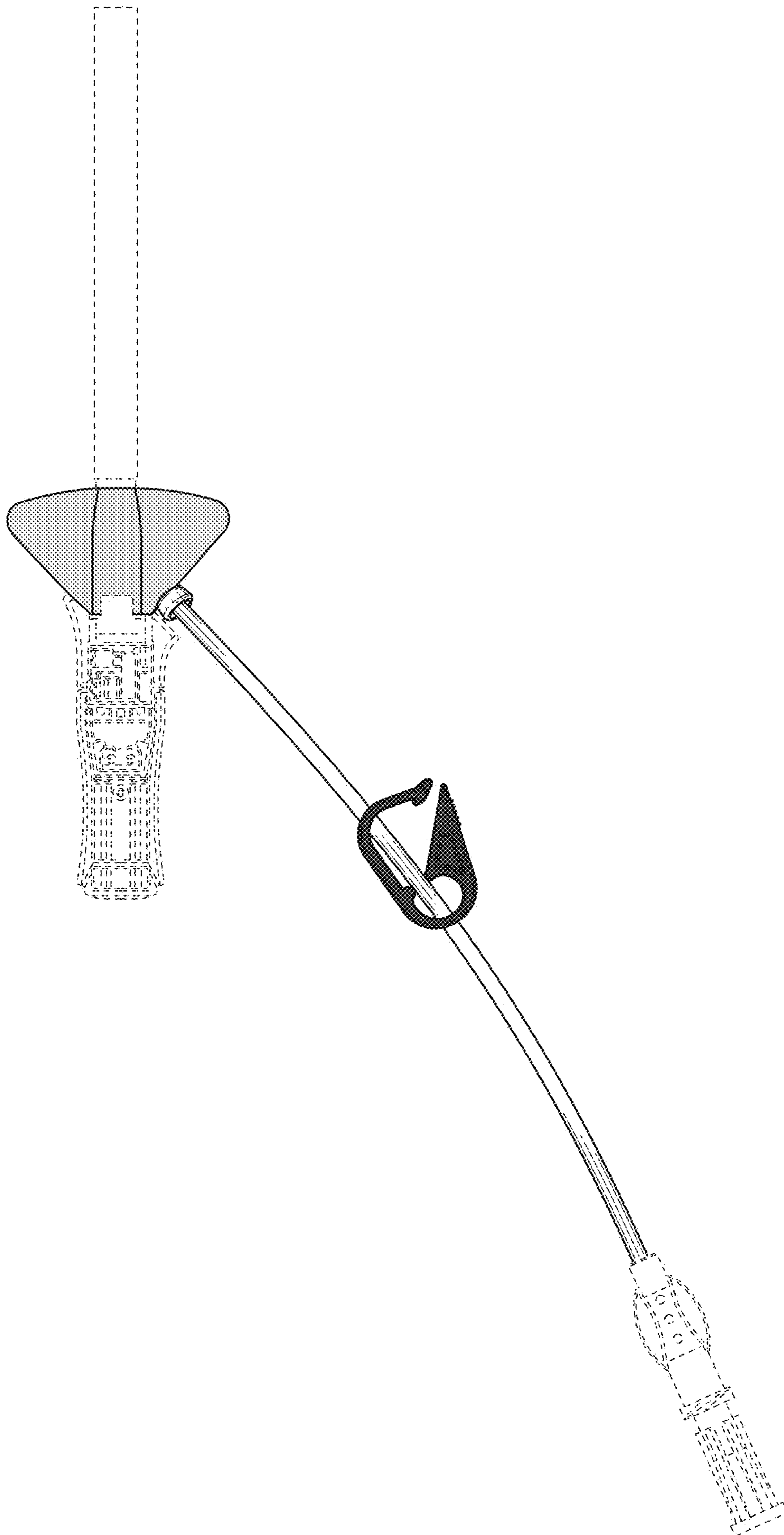


Figure 26

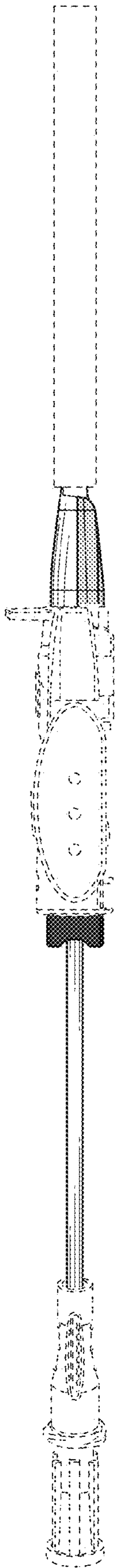


Figure 27

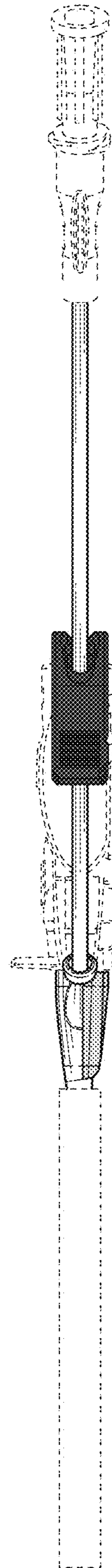


Figure 28

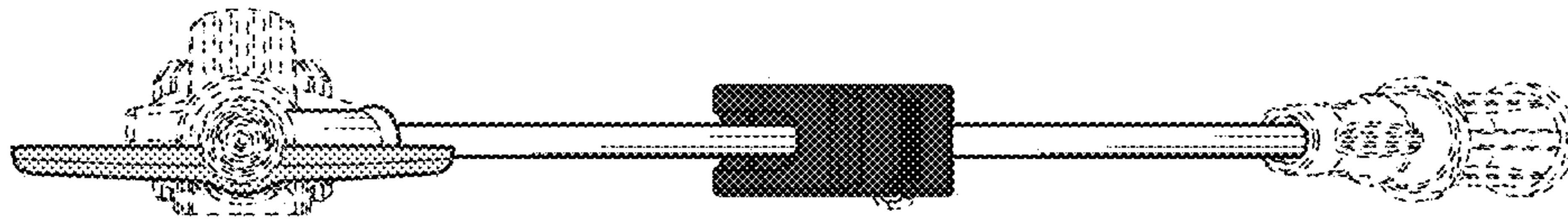


Figure 29

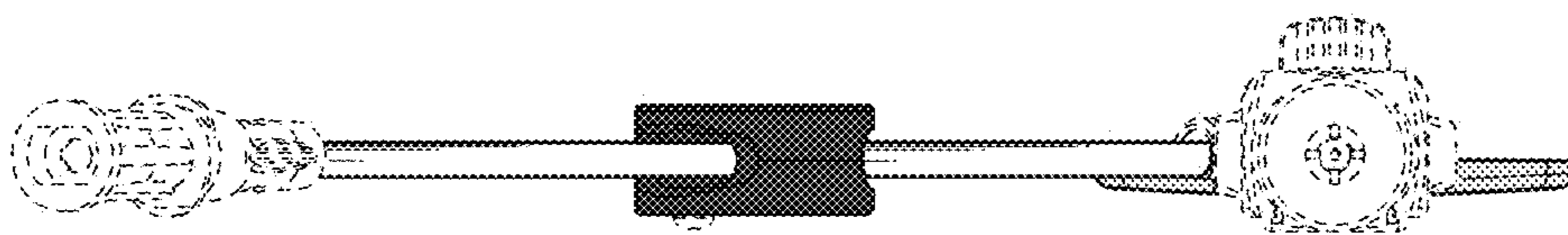


Figure 30

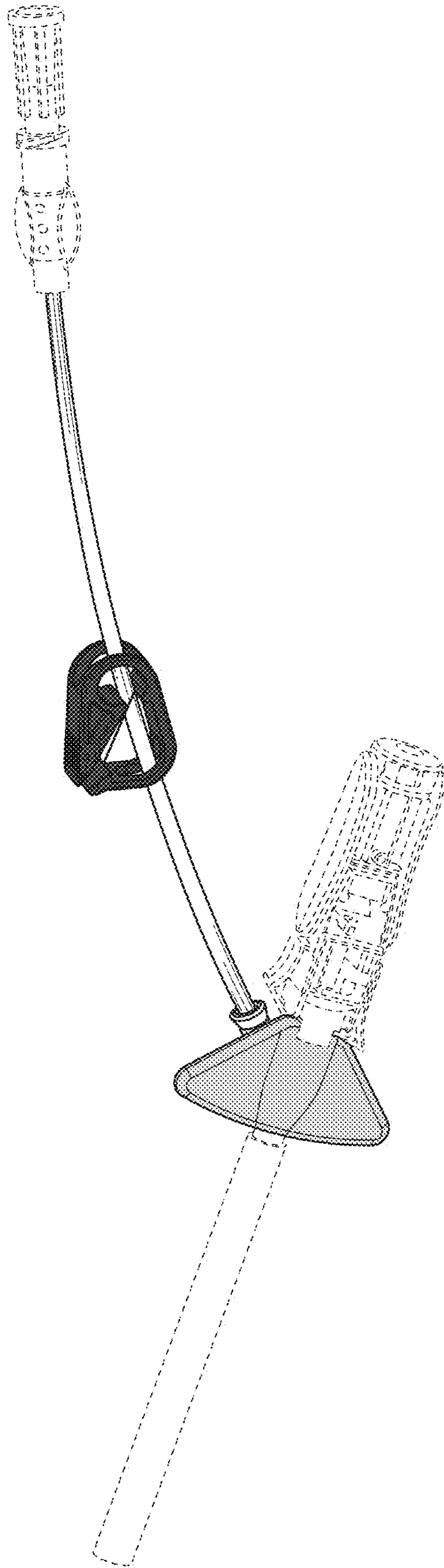


Figure 31

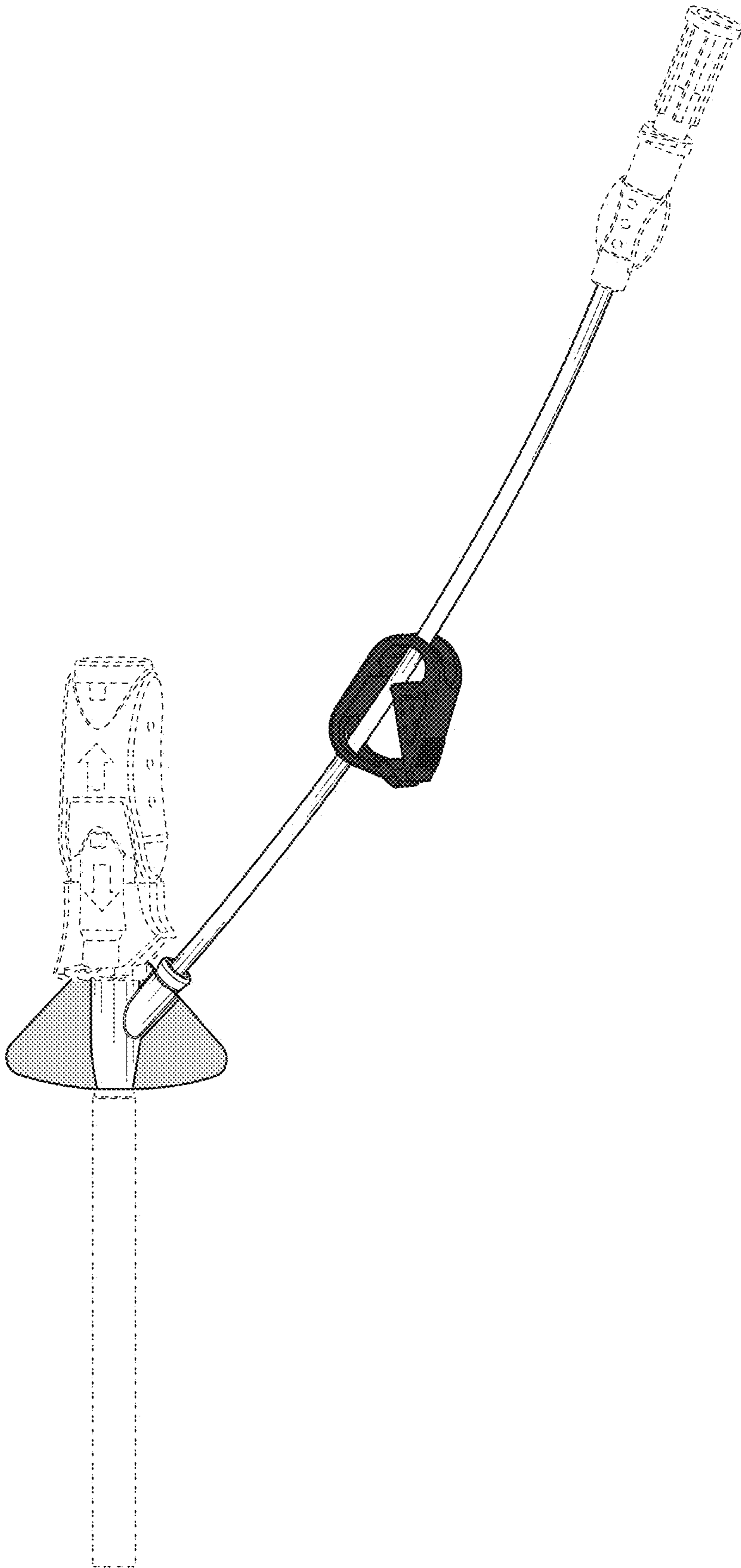


Figure 32