



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**

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

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(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)

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Assistant Examiner — Gilbert B Ford

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(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.

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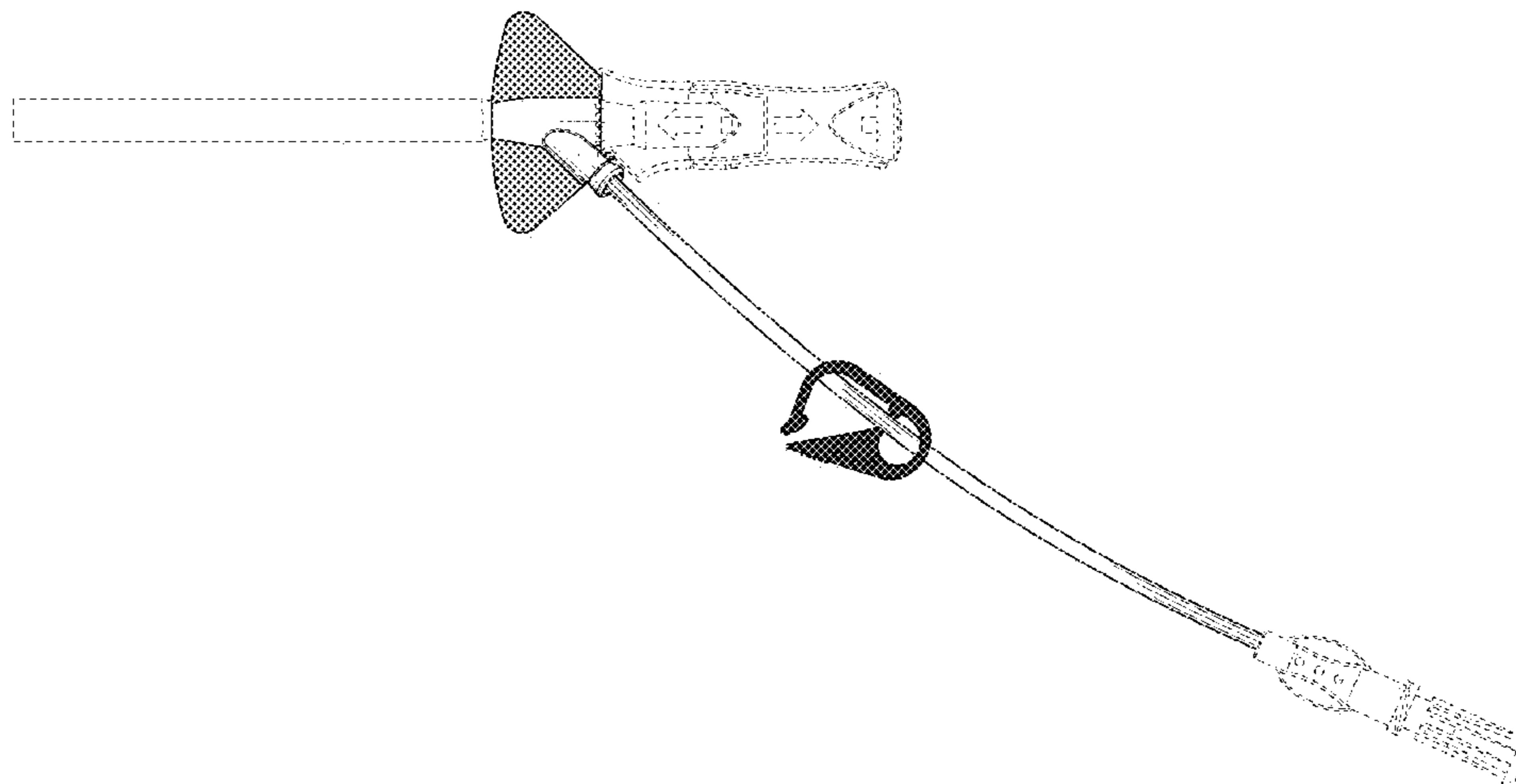


FIG. 19 is a right side view of the third embodiment.
 FIG. 20 is a left side view of the third embodiment.
 FIG. 21 is a front view of the third embodiment.
 FIG. 22 is a rear view of the third embodiment.
 FIG. 23 is a lower perspective view of the third embodiment.
 FIG. 24 is an upper perspective 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

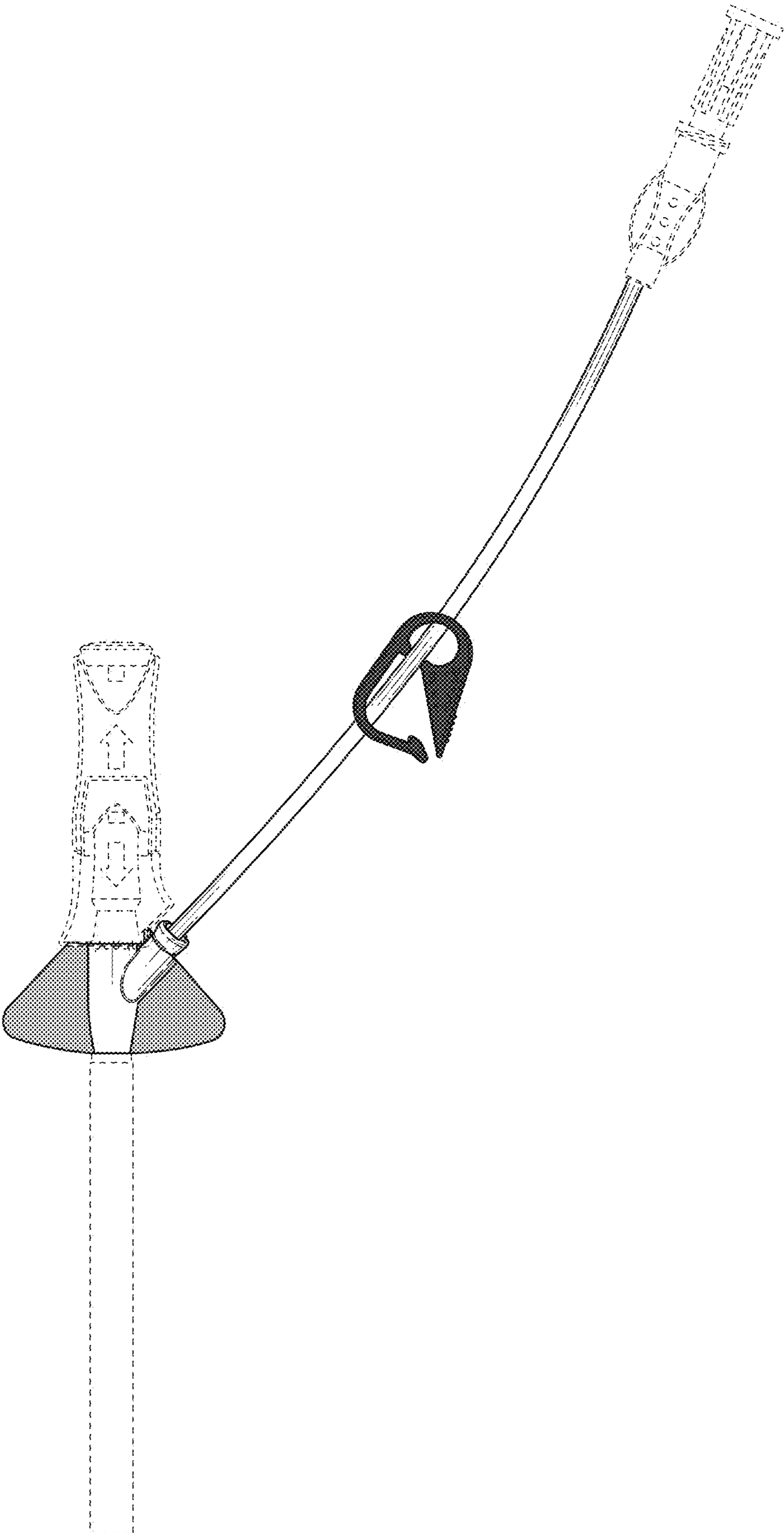


Figure 1

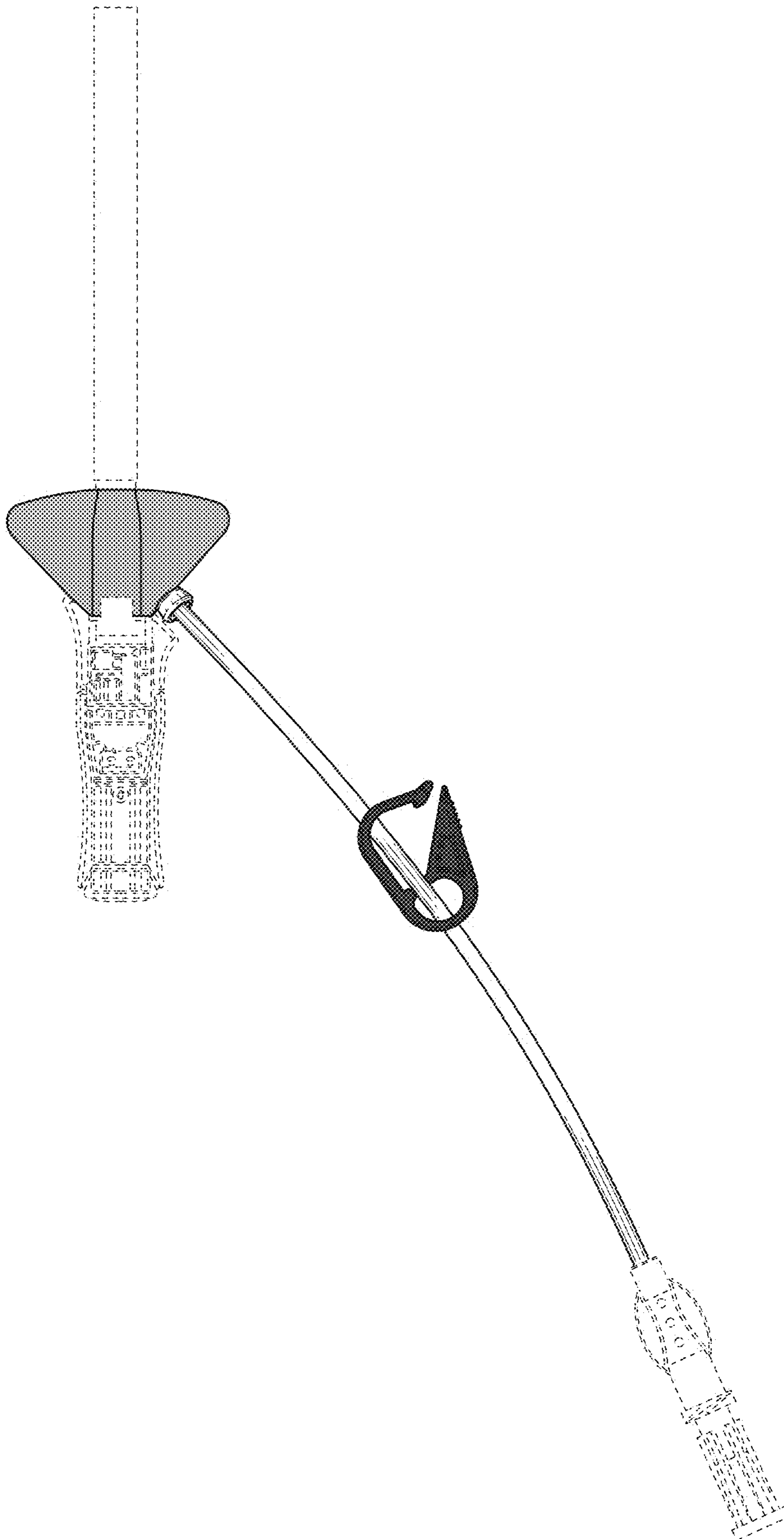


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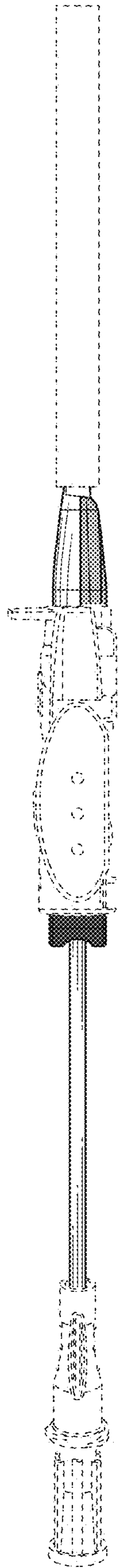


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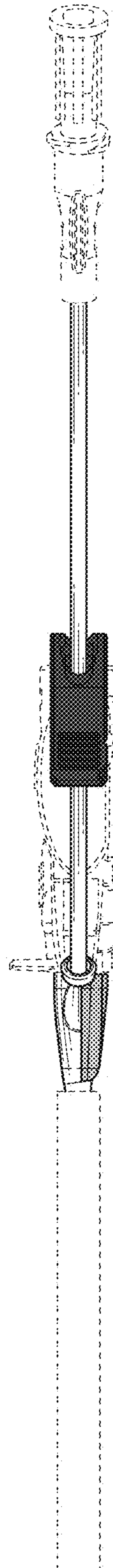


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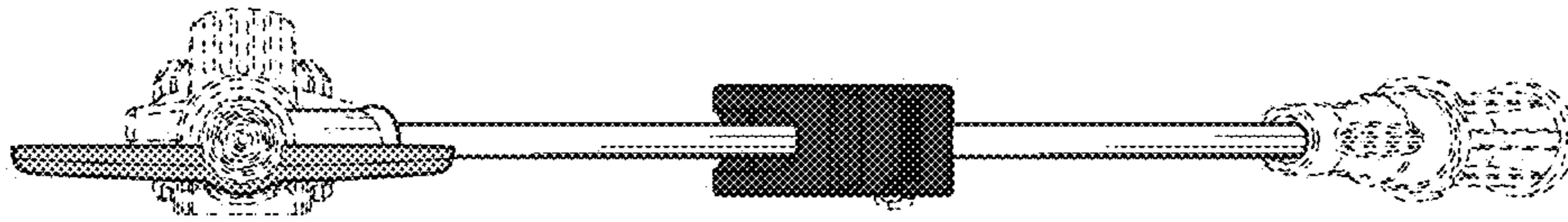


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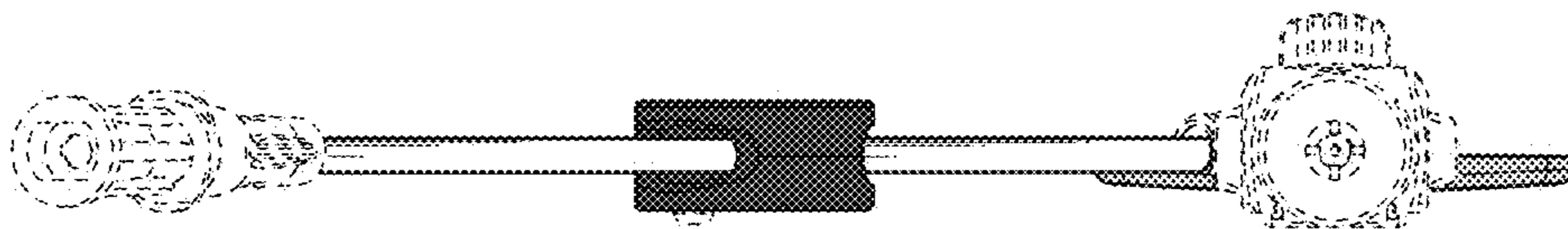


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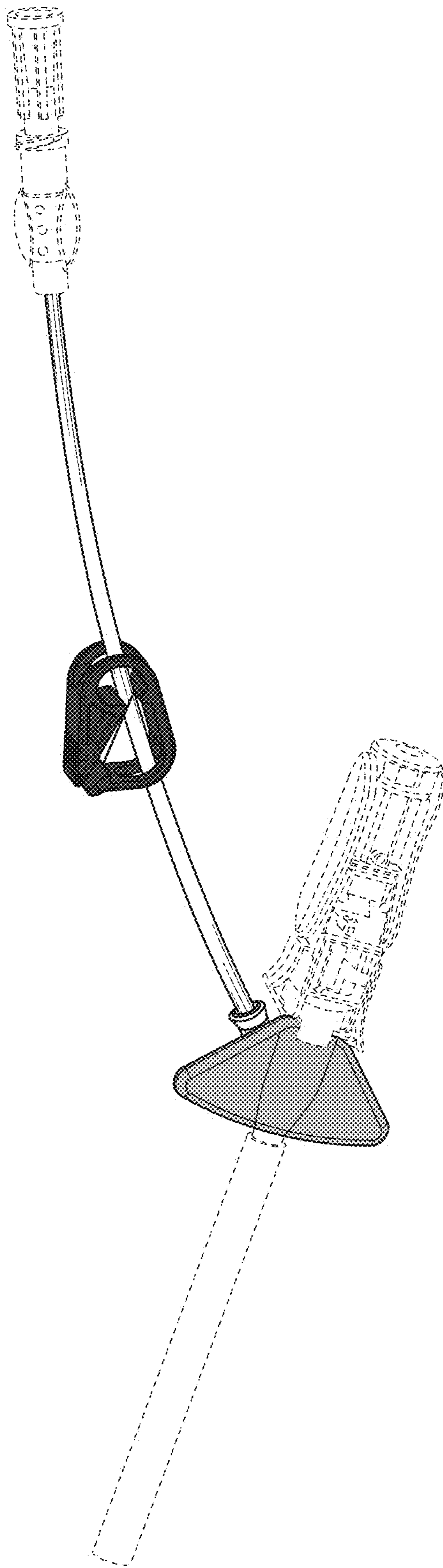


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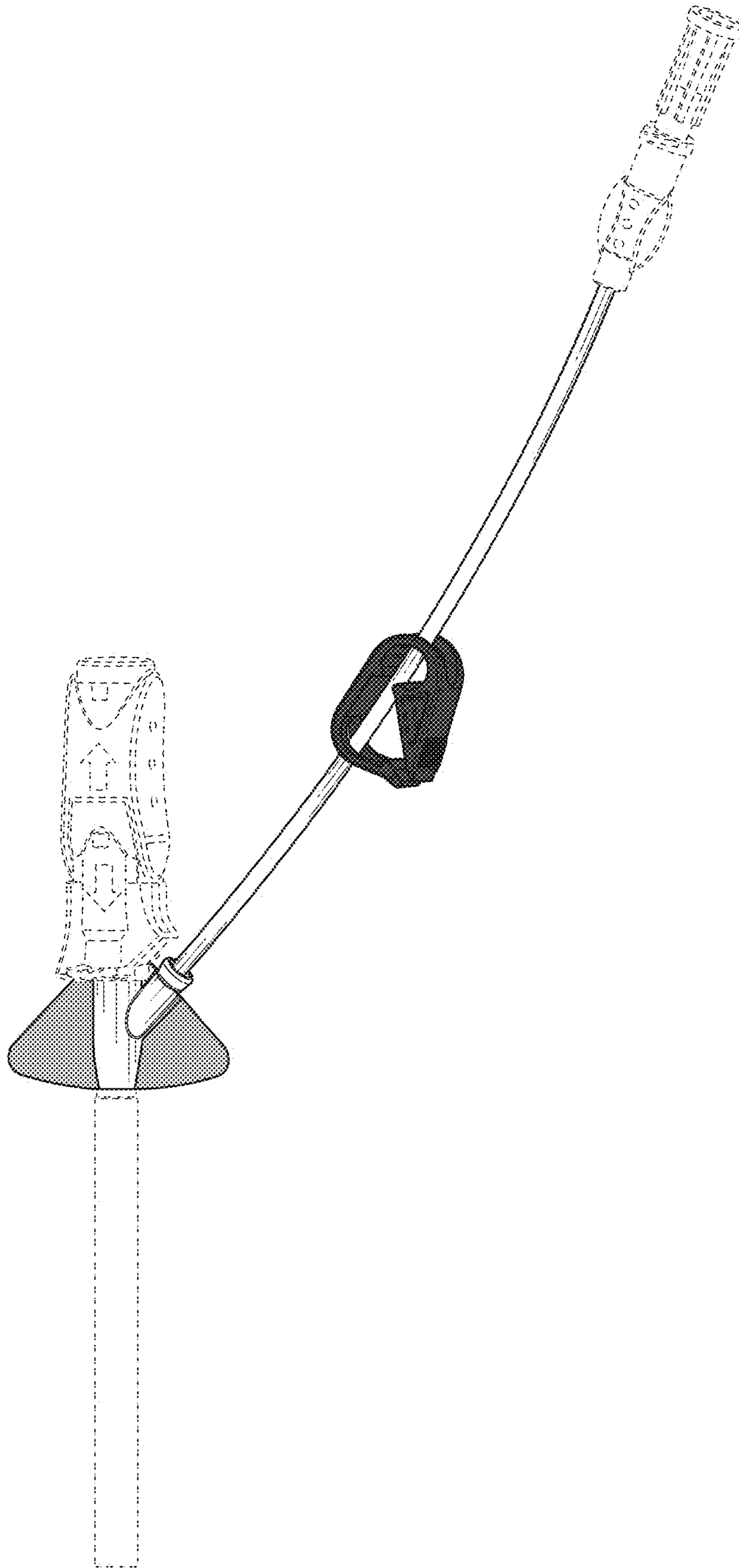


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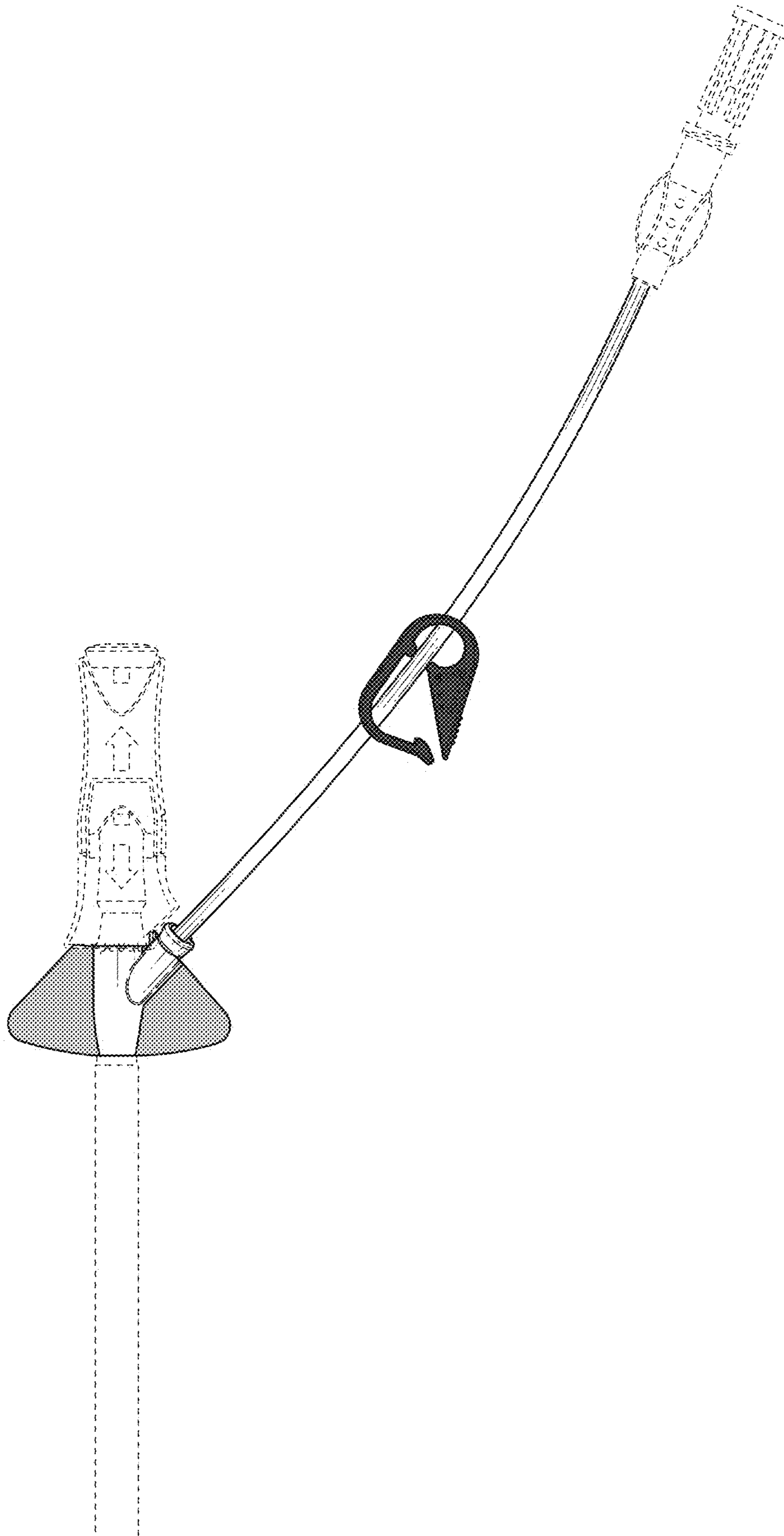


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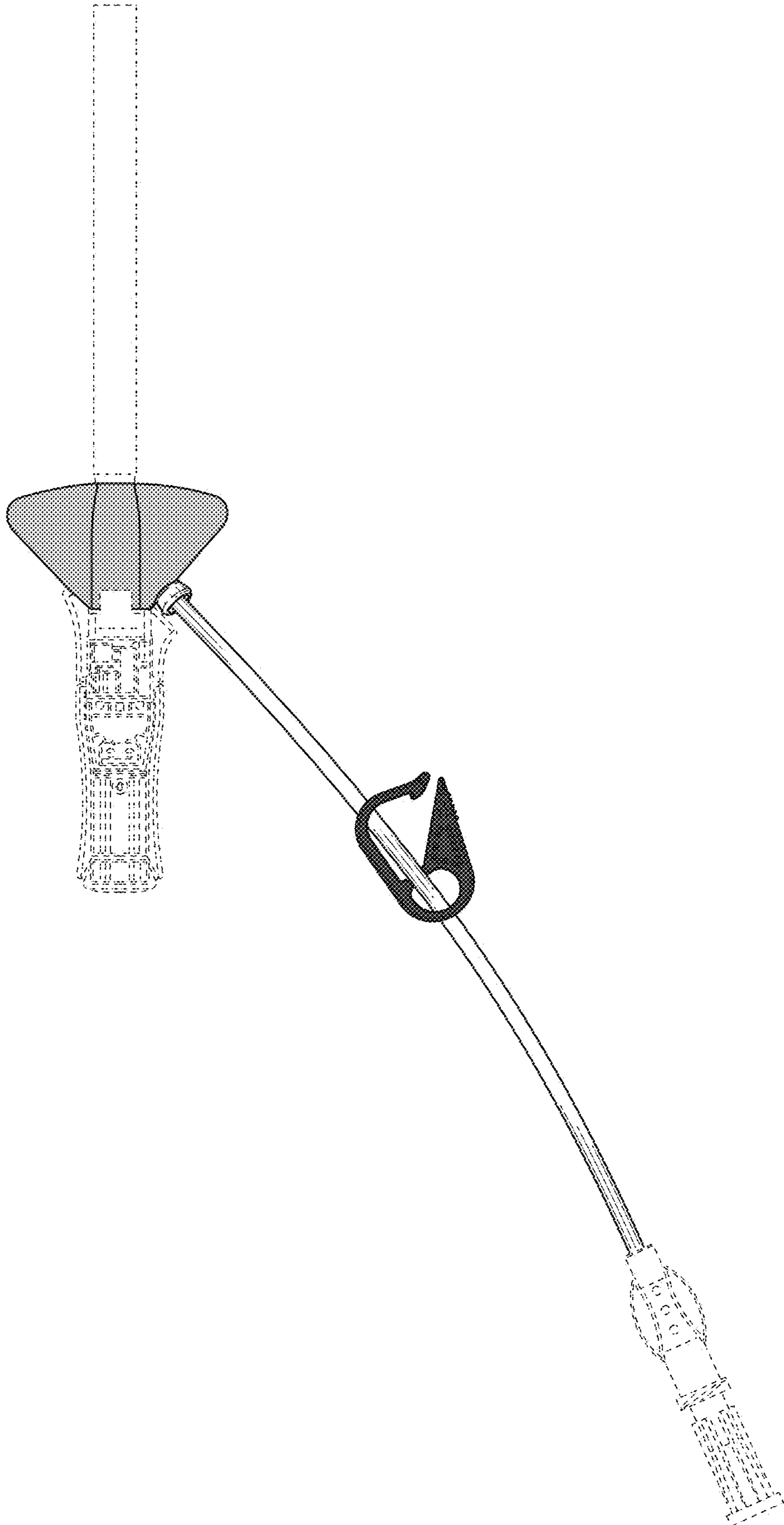


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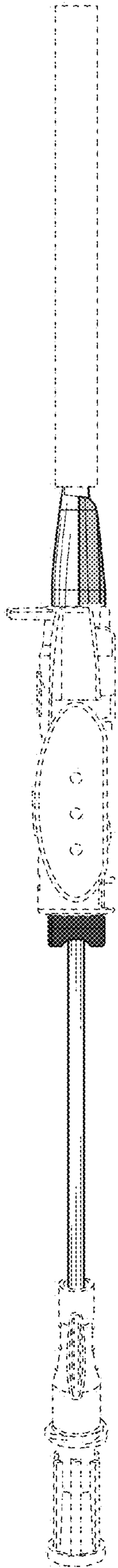


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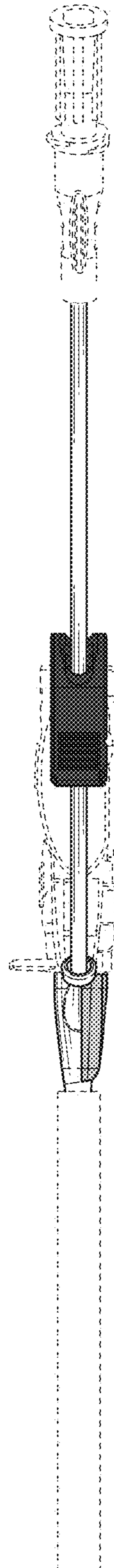


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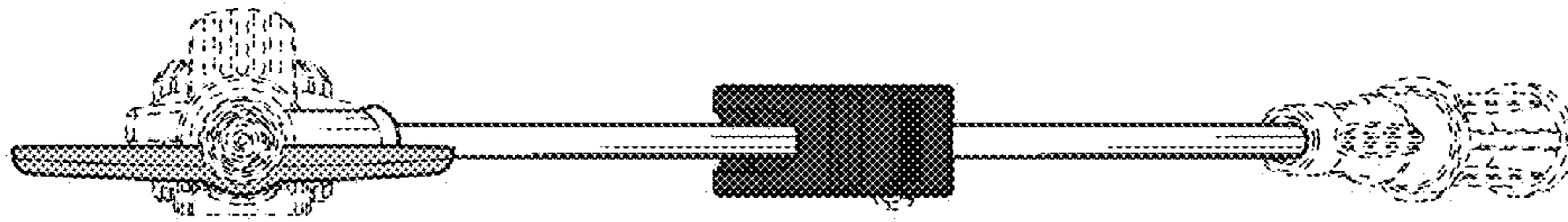


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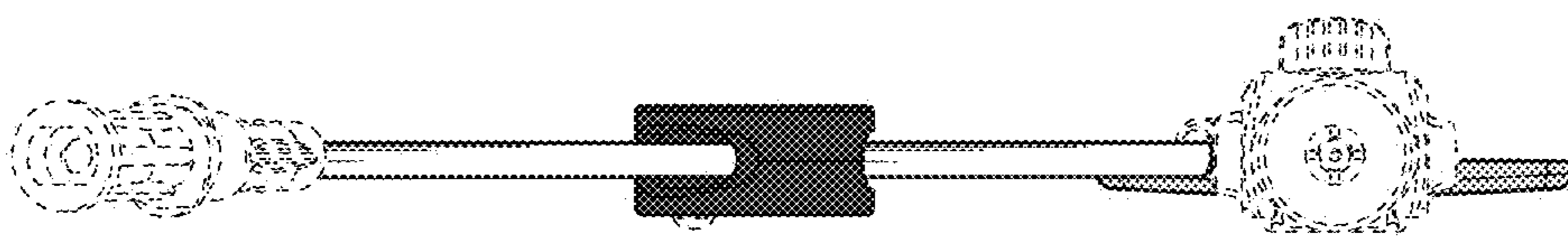


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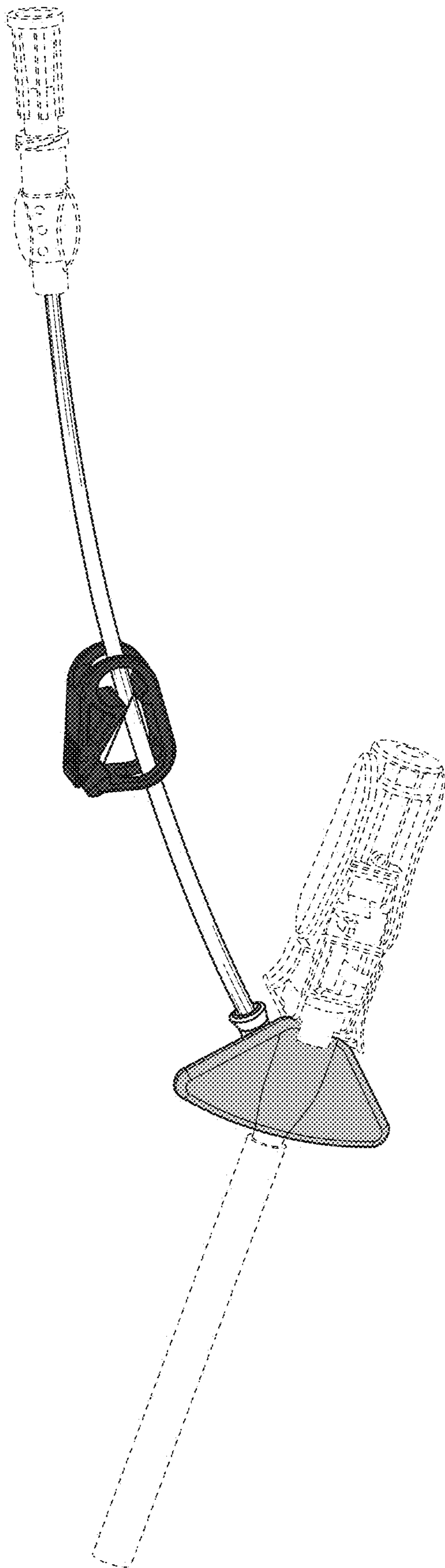


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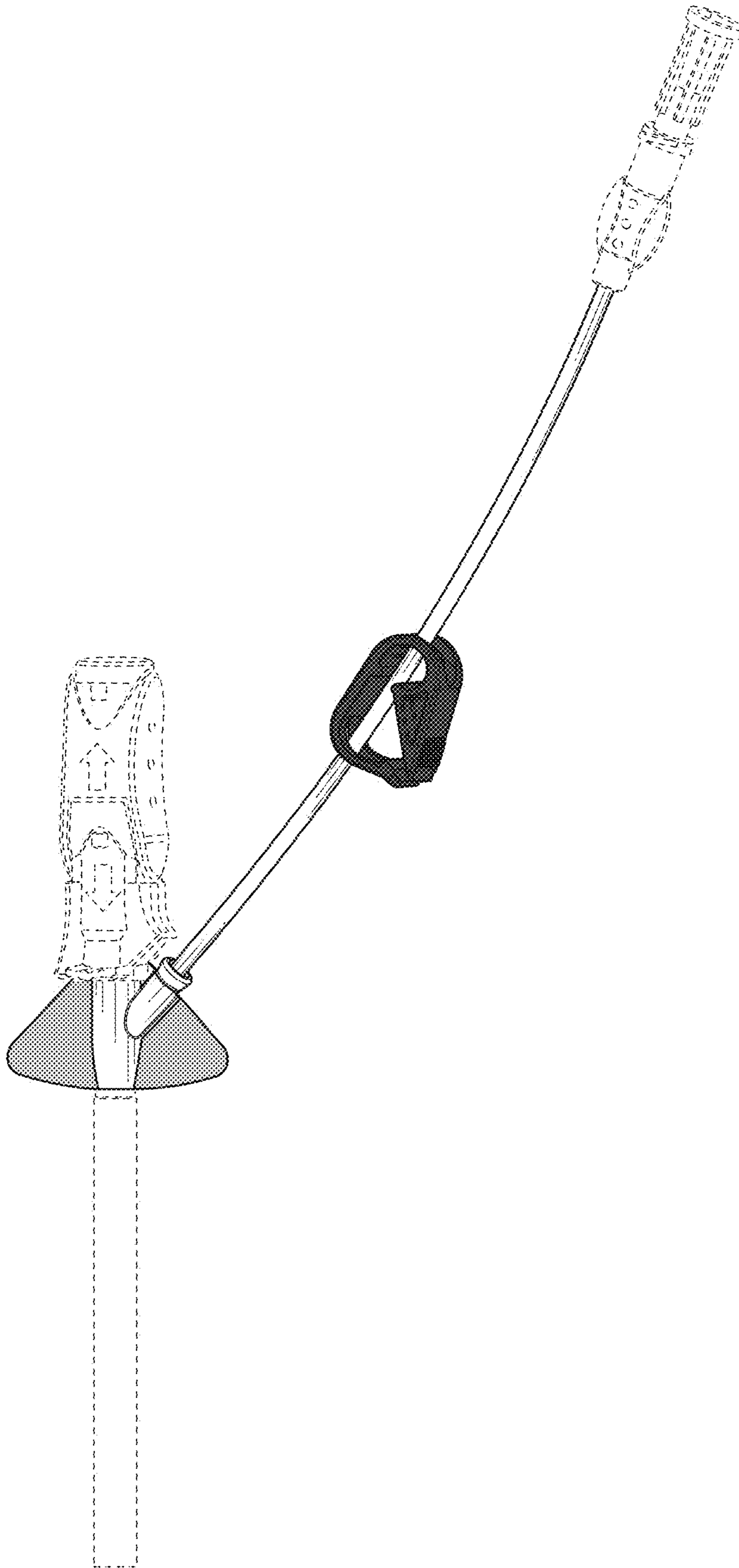


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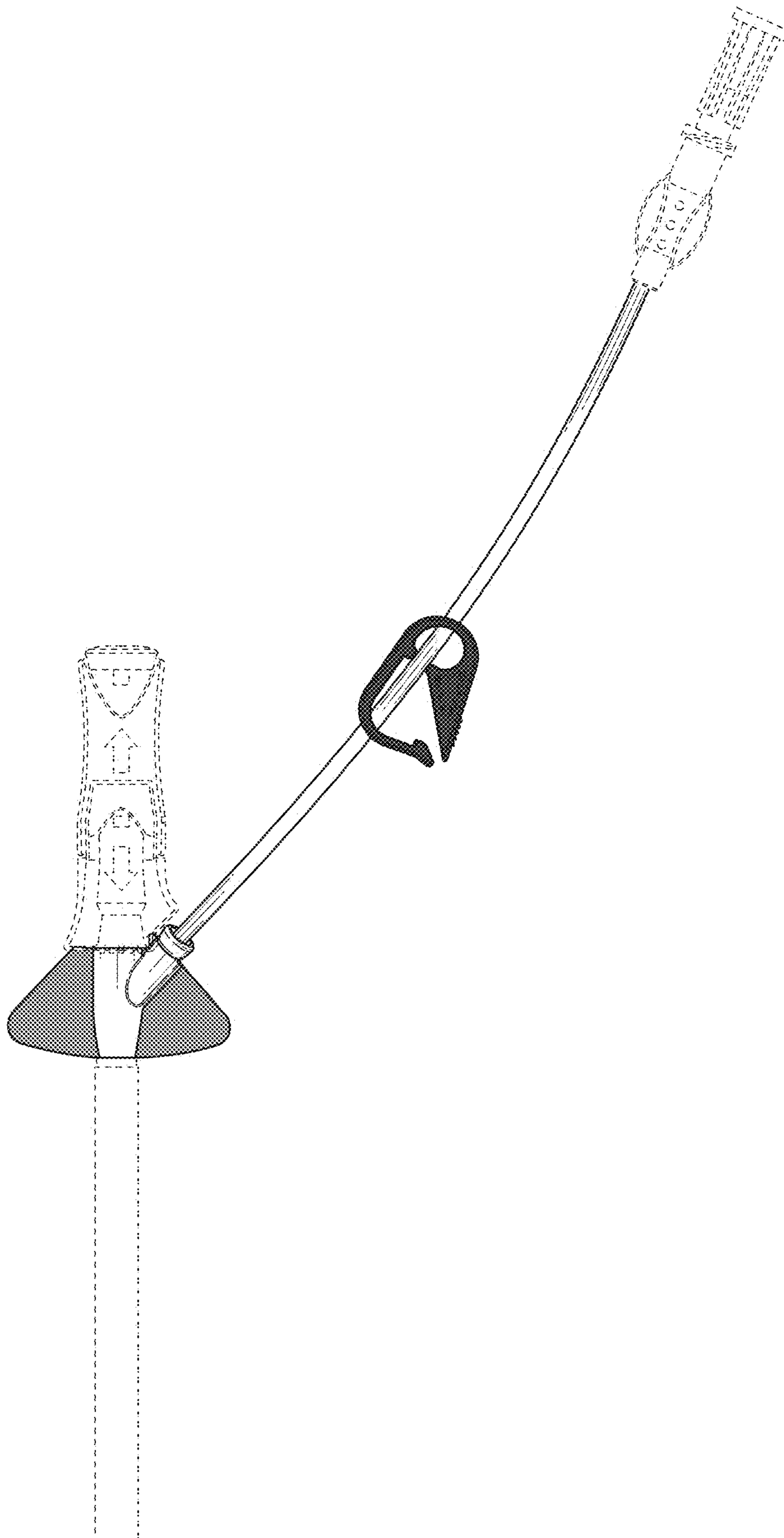


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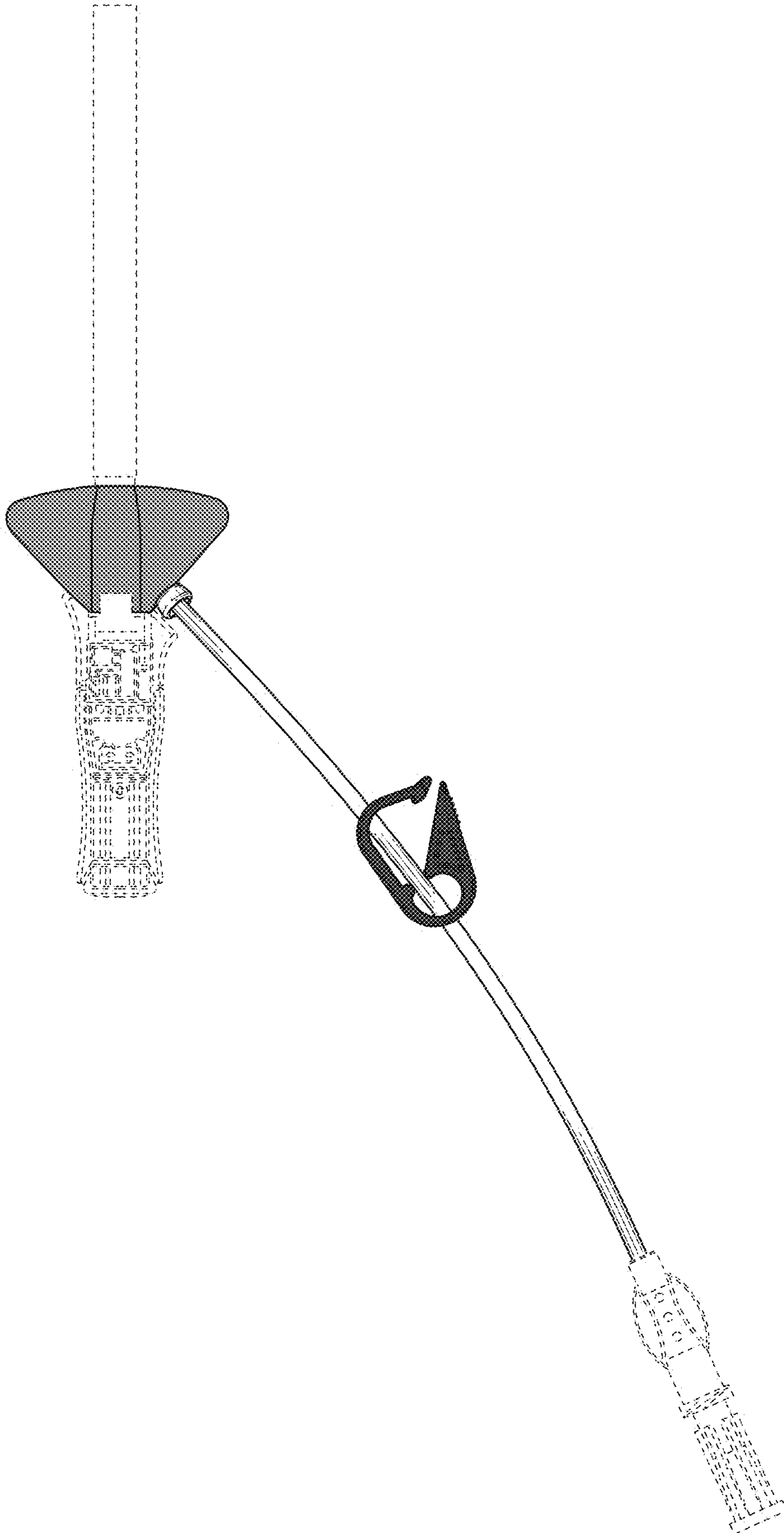


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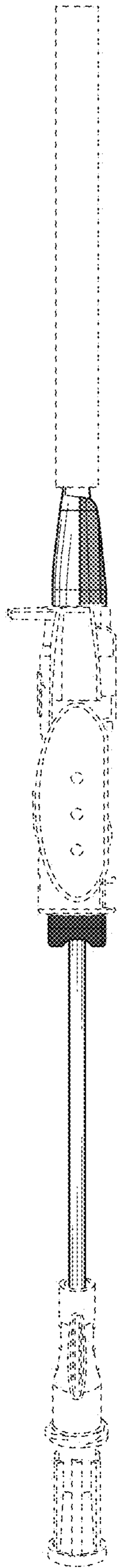


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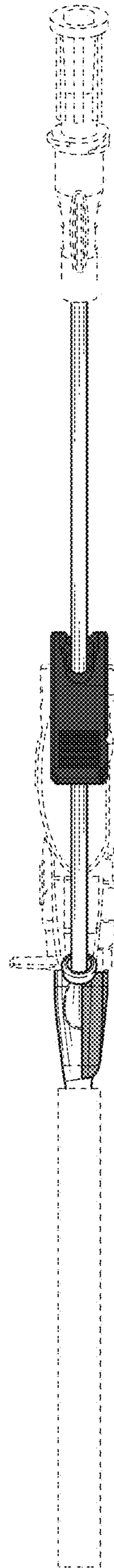


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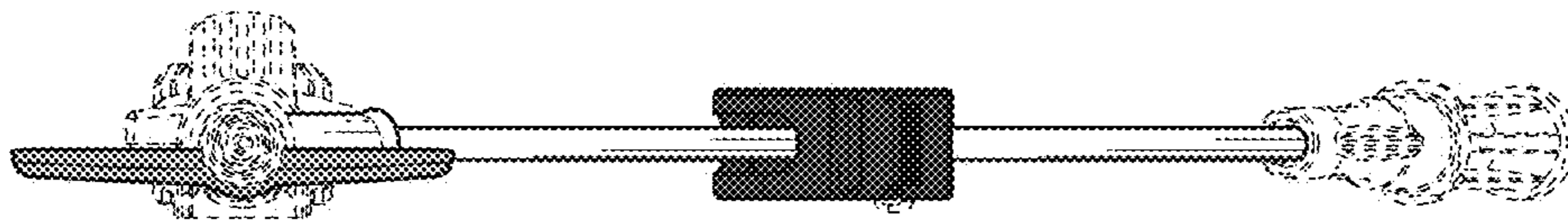


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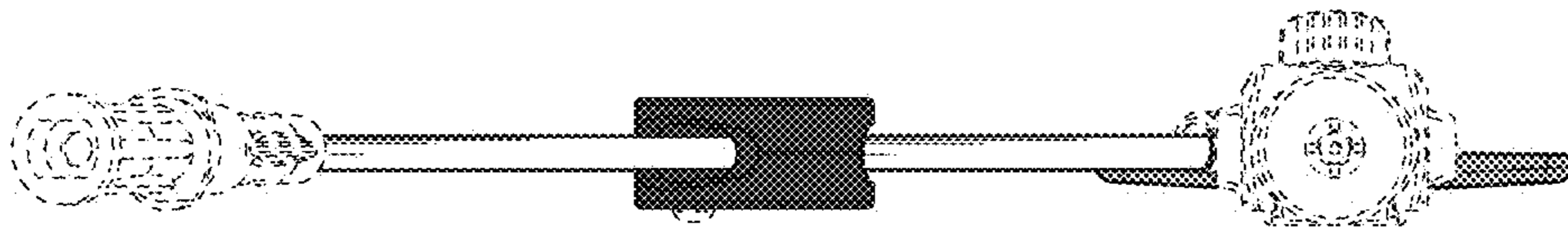


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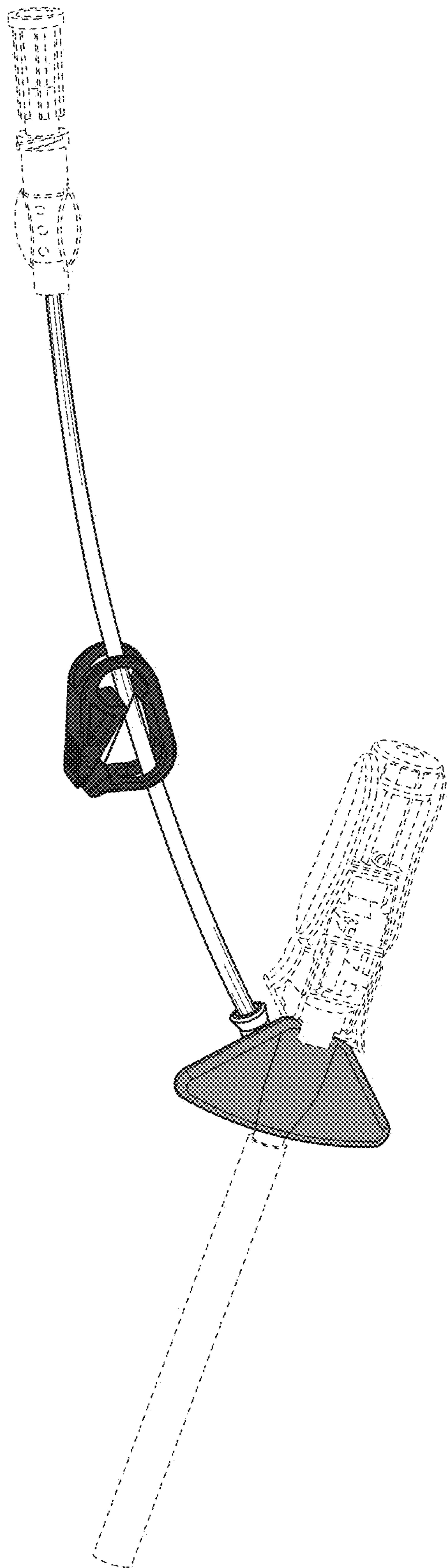


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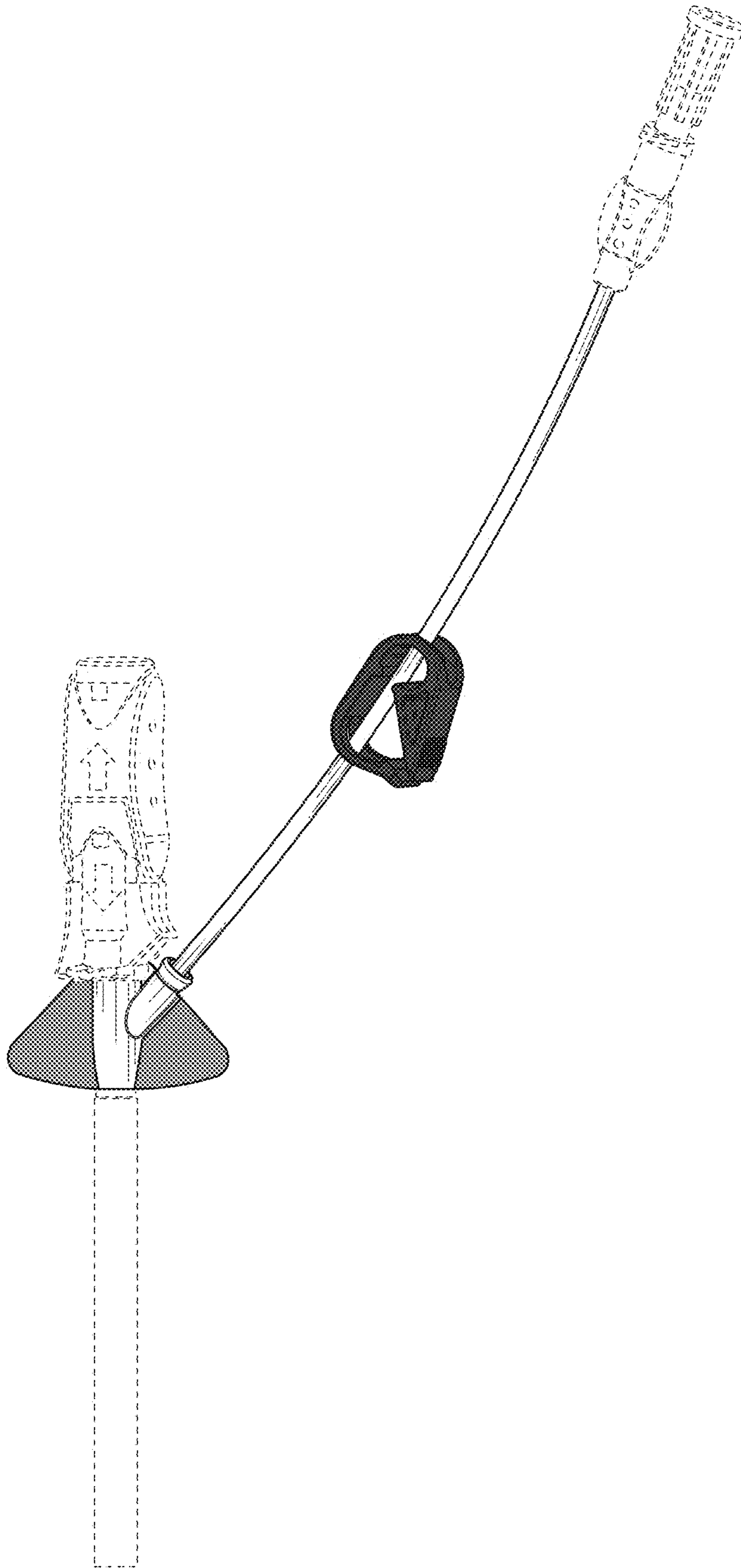


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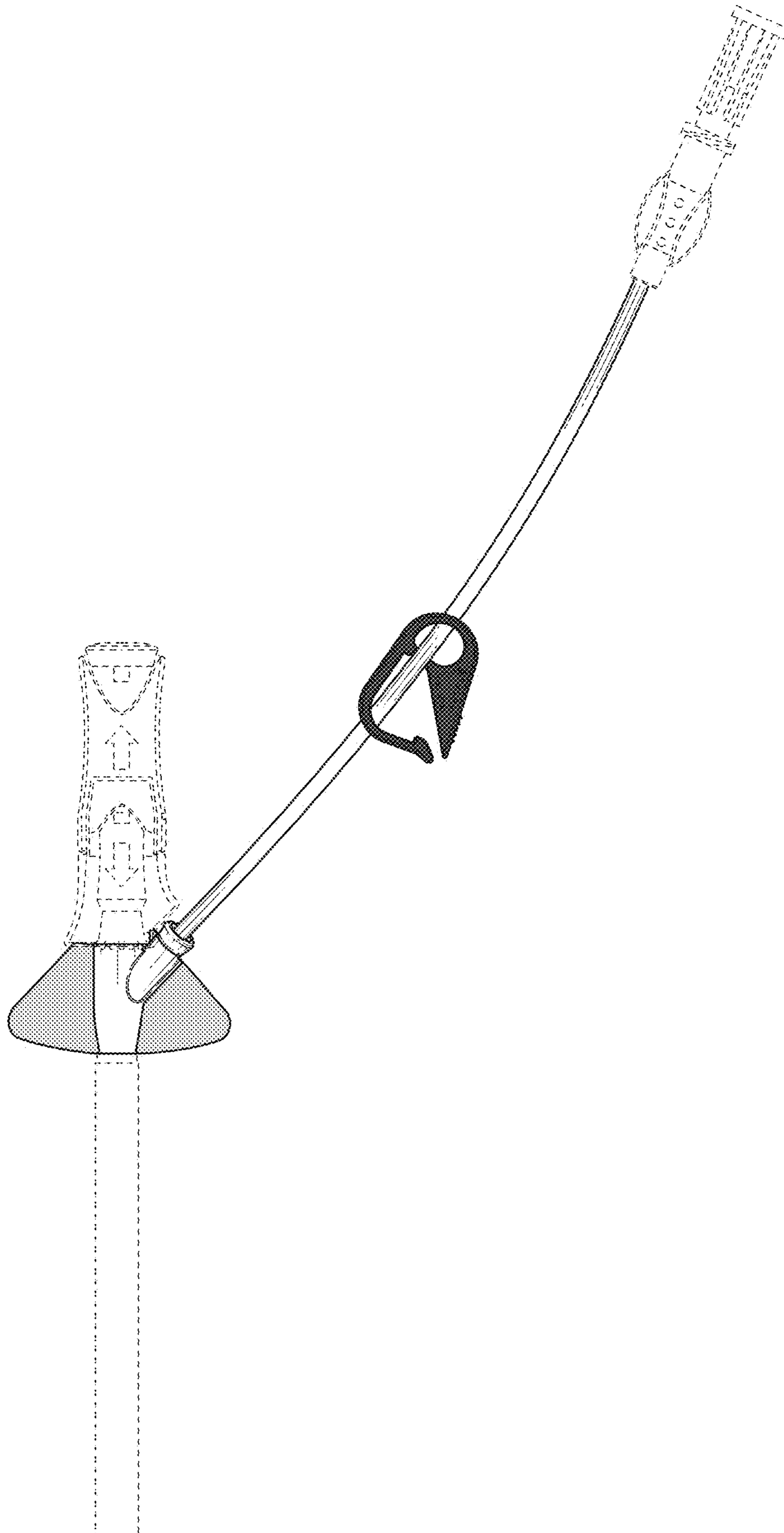


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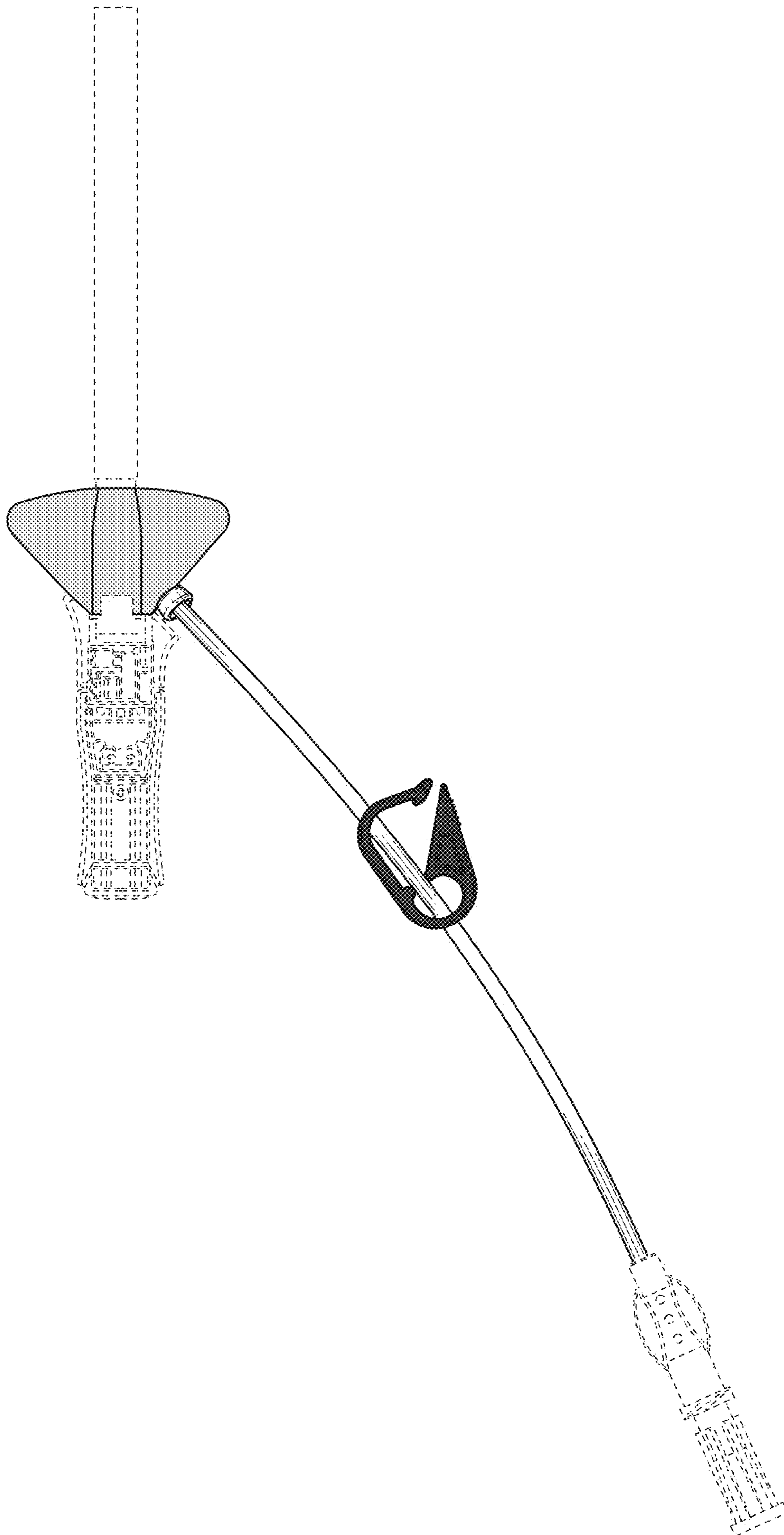


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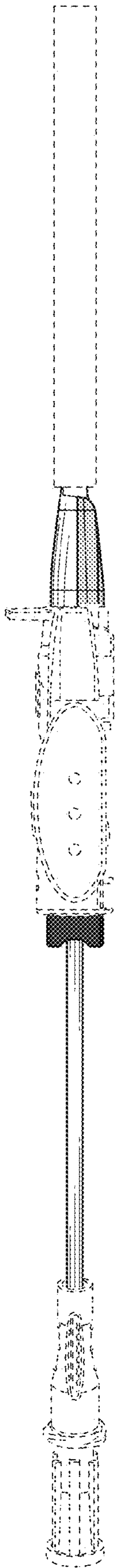


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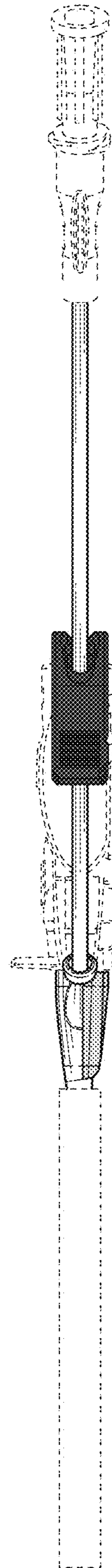


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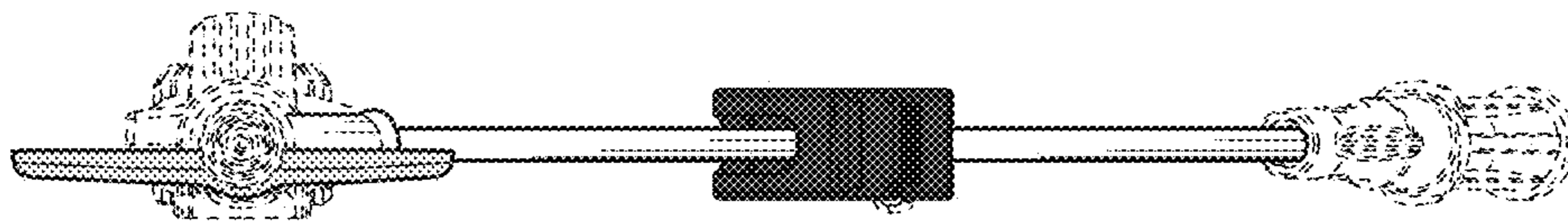


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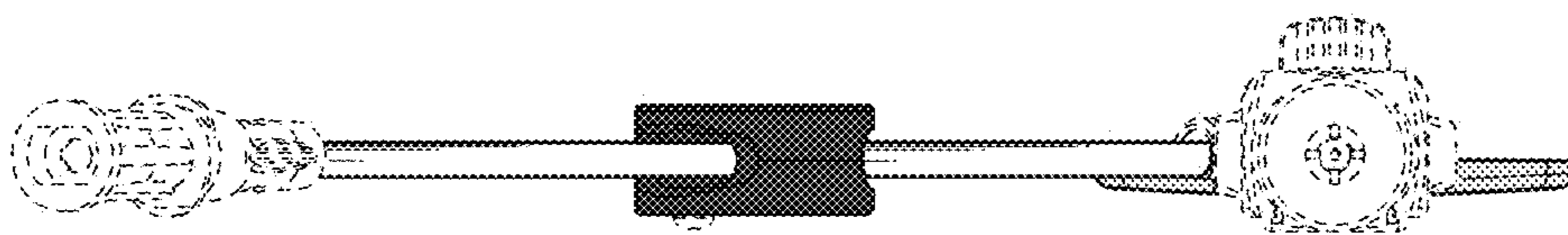


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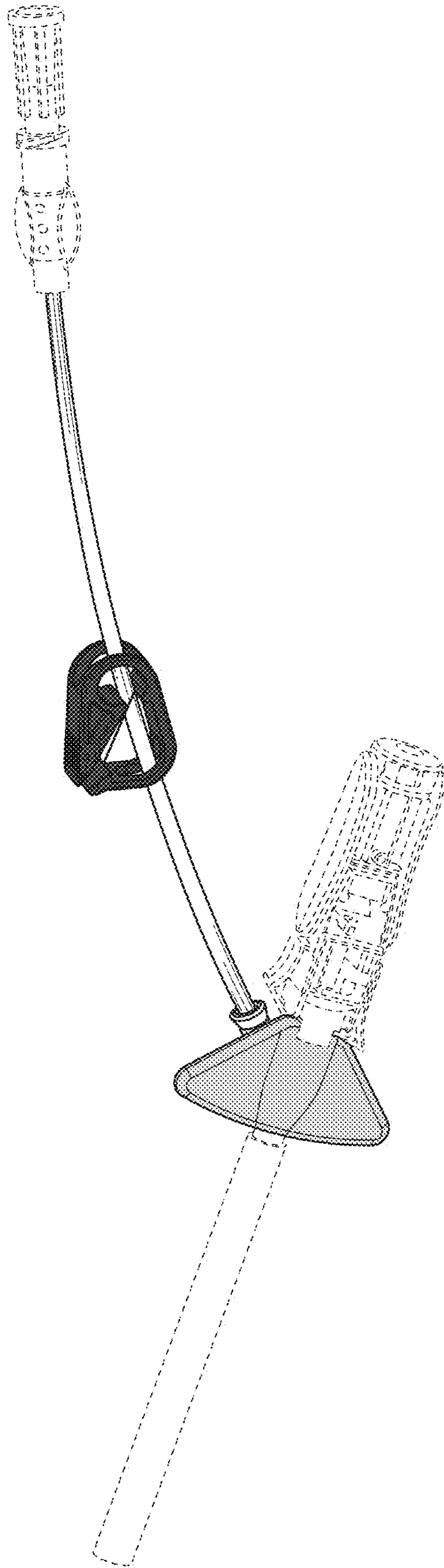


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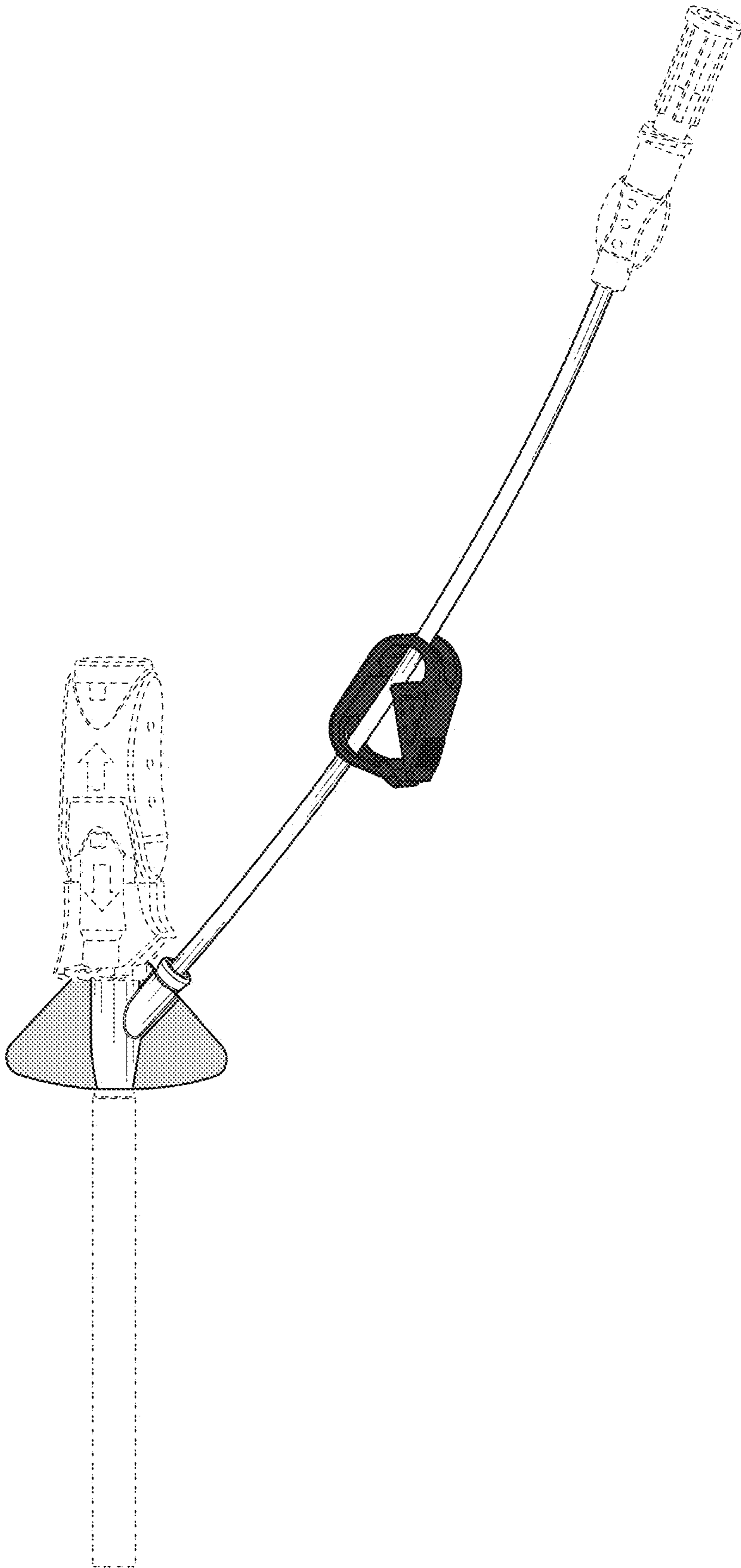


Figure 32