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

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(54) **TREATMENT TOOL FOR ENDOSCOPE**

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(JP)

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(52) **U.S. Cl.**
USPC **D24/138**

(58) **Field of Classification Search**
USPC D24/133, 143, 145, 146, 147, 148, 137,
D24/138, 144; D8/51, 68, 107
CPC A61B 17/0684; A61B 17/068; A61B
17/0469; A61B 17/320092; A61B 17/32;
A61B 18/1445; A61B 1/00087; A61B
1/00098; A61B 1/0052; A61B 1/00101;
A61B 1/00066; A61B 1/0057; A61B
1/0011; A61M 25/09
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D454,951 S * 3/2002 Bon D24/108
D457,958 S * 5/2002 Dycus D24/144
D465,281 S * 11/2002 Lang D24/133
D502,994 S * 3/2005 Blake, III D24/145
D541,418 S * 4/2007 Schechter D24/144
D631,965 S * 2/2011 Price D24/145

7,887,535 B2 * 2/2011 Lands A61B 18/1445
606/51
D637,288 S * 5/2011 Houghton D24/133
D650,074 S * 12/2011 Hunt D24/133
D661,804 S * 6/2012 Price A61B 17/320092
D24/145
D668,337 S * 10/2012 Schurg D24/144
D679,010 S * 3/2013 Kitayama D24/133
D679,011 S * 3/2013 Kitayama D24/133
D687,549 S * 8/2013 Johnson D24/133
D700,324 S * 2/2014 Affonce D24/144
D700,699 S * 3/2014 O'Leary D24/146
D700,966 S * 3/2014 O'Leary D24/146
D700,967 S * 3/2014 O'Leary D24/146
D709,194 S * 7/2014 Miller D24/143
8,852,179 B2 * 10/2014 Ward A61B 18/1815
606/33

(Continued)

FOREIGN PATENT DOCUMENTS

CN 304969224 * 12/2018

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(57) **CLAIM**

The ornamental design for a treatment tool for endoscope, as shown and described.

DESCRIPTION

FIG. 1 is a front, top and left-side perspective view of the treatment tool for endoscope;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a rear elevational view thereof;

FIG. 4 is a left-side elevational view thereof;

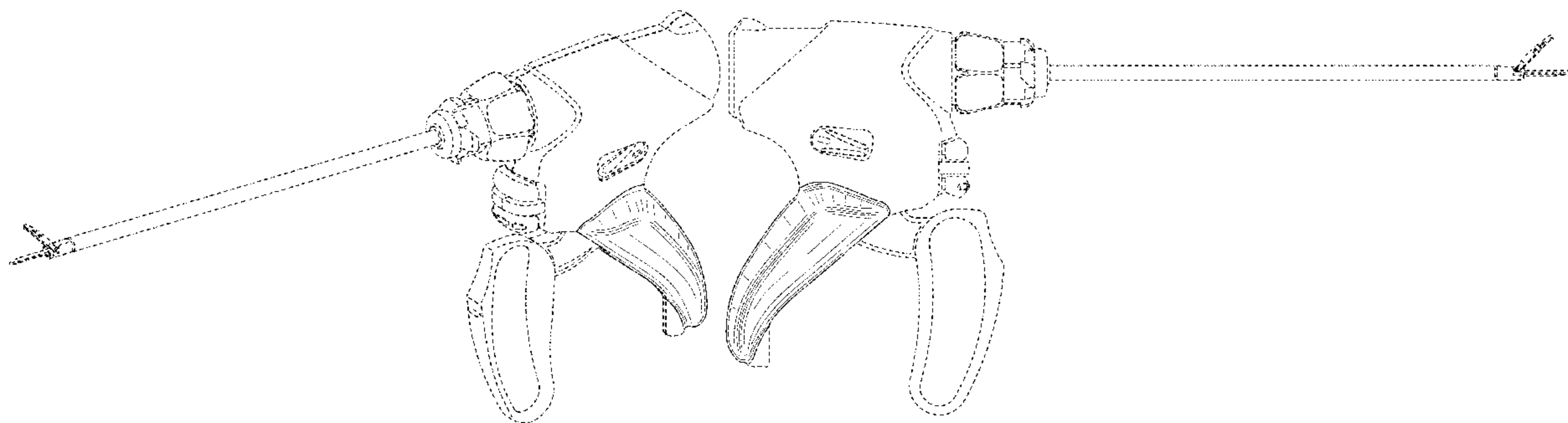
FIG. 5 is a right-side elevational view thereof;

FIG. 6 is a top plan view thereof; and,

FIG. 7 is a bottom plan view thereof.

The broken lines depict parts of the treatment tool for endoscope that form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

8,870,050	B2 *	10/2014	Hodgkinson	A61B 17/072 227/176.1	10,194,976	B2 *	2/2019	Boudreaux	A61B 18/1445
D716,945	S *	11/2014	Miller	D24/148	10,206,705	B2 *	2/2019	Estera	A61B 17/26
8,899,461	B2 *	12/2014	Farascioni	A61B 17/07207 227/175.1	10,226,297	B2 *	3/2019	Nau, Jr.	A61B 18/20
9,016,543	B2 *	4/2015	(Prommersberger) Stopek	A61B 17/072 227/176.1	10,231,782	B2 *	3/2019	Nau, Jr.	A61B 18/20
9,084,608	B2 *	7/2015	Larson	A61B 18/1445	10,251,636	B2 *	4/2019	Hess	A61B 17/062
9,113,863	B2 *	8/2015	Kostrzewski	A61B 17/0644	D847,990	S *	5/2019	Kimball	D24/145
9,113,907	B2 *	8/2015	Allen, IV	A61B 17/282	D847,992	S *	5/2019	Adams	D24/146
D743,547	S *	11/2015	Chang	D24/146	D852,358	S *	6/2019	Matuschek	D24/138
D744,100	S *	11/2015	Chang	D24/146	10,314,580	B2 *	6/2019	Scheib	A61B 17/07207
9,192,378	B2 *	11/2015	Aranyi	A61B 17/07207	10,327,797	B2 *	6/2019	Conlon	A61B 17/320092
9,192,381	B2 *	11/2015	Marczyk	A61B 17/0686	10,327,798	B2 *	6/2019	Price	A61B 17/320068
9,192,430	B2 *	11/2015	Rachlin	A61B 18/1445	D854,682	S *	7/2019	Halbert	D24/133
9,192,432	B2 *	11/2015	Larson	A61B 18/1445	10,335,227	B2 *	7/2019	Heard	A61B 17/3205
D745,146	S *	12/2015	Hess	D24/133	10,342,542	B2 *	7/2019	Barton	A61B 17/068
D748,259	S *	1/2016	Okihisa	D24/144	10,342,567	B2 *	7/2019	Hibner	A61B 17/320016
D748,260	S *	1/2016	Chang	D24/146	10,349,967	B2 *	7/2019	Hibner	A61B 17/320092
9,259,266	B2 *	2/2016	Schmaltz	A61B 18/1445	10,368,894	B2 *	8/2019	Madan	A61B 17/295
9,308,012	B2 *	4/2016	Garrison	A61B 17/29	10,368,898	B2 *	8/2019	Brown	A61B 17/320092
9,314,297	B2 *	4/2016	Larson	A61B 18/1447	10,383,628	B2 *	8/2019	Kang	A61B 90/92
9,345,535	B2 *	5/2016	Kerr	A61B 18/1206	10,390,831	B2 *	8/2019	Holsten	A61B 17/068
9,351,753	B2 *	5/2016	Balanev	A61B 17/320092	D858,767	S *	9/2019	Baxter, III	D24/145
9,358,069	B2 *	6/2016	Nau, Jr.	A61B 18/1445	D860,441	S *	9/2019	Spycher	D24/133
D763,442	S *	8/2016	Price	D24/133	D861,166	S *	9/2019	Hess	D24/145
D765,243	S *	8/2016	Halbert	D24/133	10,426,489	B2 *	10/2019	Baril	A61B 17/1285
9,433,412	B2 *	9/2016	Bettuchi	A61B 17/1155	10,433,863	B2 *	10/2019	Glutz	A61B 17/320092
9,439,654	B2 *	9/2016	Sorrentino	A61B 17/083	D865,964	S *	11/2019	Miller	D24/144
9,498,213	B2 *	11/2016	Marczyk	A61B 17/115	D870,279	S *	12/2019	Halbert	D24/133
9,504,519	B2 *	11/2016	Kerr	A61B 18/085	10,492,795	B2 *	12/2019	Williams	A61B 17/1285
9,510,891	B2 *	12/2016	Allen, IV	A61B 90/08	10,507,034	B2 *	12/2019	Timm	A61B 17/320092
9,615,827	B2 *	4/2017	Wenchell	A61B 17/07207	D872,860	S *	1/2020	Funakoshi	D24/138
9,636,167	B2 *	5/2017	Gregg	A61B 17/00	10,524,789	B2 *	1/2020	Swayze	A61B 17/0682
9,655,674	B2 *	5/2017	Nau, Jr.	A61B 18/1445	10,537,322	B2 *	1/2020	Martin	A61B 17/06133
9,693,777	B2 *	7/2017	Schellin	B29C 43/00	10,537,325	B2 *	1/2020	Bakos	A61B 17/0644
9,713,471	B2 *	7/2017	Holcomb	A61B 17/0644	10,548,593	B2 *	2/2020	Shelton, IV	A61L 24/046
9,713,491	B2 *	7/2017	Roy	A61B 18/1445	10,555,750	B2 *	2/2020	Conlon	A61B 18/1442
9,757,186	B2 *	9/2017	Boudreaux	A61B 18/1445	10,575,836	B2 *	3/2020	Hibner	A61B 17/00234
9,770,288	B2 *	9/2017	Gilbert	A61B 18/1442	10,582,944	B2 *	3/2020	Netzel	A61B 17/320092
D798,686	S *	10/2017	Barakat	D8/107	10,603,044	B2 *	3/2020	Stopek	A61B 17/1285
D799,038	S *	10/2017	Chang	D24/146	10,603,129	B2 *	3/2020	Roberson	A61N 7/02
D800,306	S *	10/2017	Hess	D24/145	10,624,667	B2 *	4/2020	Faller	A61N 7/02
D800,904	S *	10/2017	Leimbach	D24/145	10,646,270	B2 *	5/2020	Worrell	A61B 17/320092
9,775,607	B2 *	10/2017	Rajappa	A61B 17/068	D888,952	S *	6/2020	Baxter, III	D24/145
9,775,667	B2 *	10/2017	Korvick	A61B 18/1445	D888,953	S *	6/2020	Baxter, III	D24/145
9,782,170	B2 *	10/2017	Zemlok	A61B 17/072	10,695,061	B2 *	6/2020	Vendely	A61B 17/07207
9,788,884	B2 *	10/2017	Viola	A61B 17/00234	10,702,280	B2 *	7/2020	Cai	A61B 17/1285
9,820,738	B2 *	11/2017	Lytlye, IV	A61B 34/25	10,722,292	B2 *	7/2020	Arya	A61B 18/1445
D806,245	S *	12/2017	Halbert	D24/133	10,729,449	B2 *	8/2020	Cai	A61B 17/1285
9,848,872	B2 *	12/2017	Smith	A61B 17/068	10,729,486	B2 *	8/2020	Dunning	A61N 1/3931
D806,492	S *	1/2018	Willhite	D8/40	10,743,850	B2 *	8/2020	Hibner	A61B 17/320092
9,872,725	B2 *	1/2018	Worrell	A61B 18/1445	10,743,899	B2 *	8/2020	Worrell	A61B 17/295
9,924,999	B2 *	3/2018	Arya	A61B 18/1445	10,743,901	B2 *	8/2020	Riestenberg ...	A61B 17/320068
D819,204	S *	5/2018	Halbert	D24/133	10,743,903	B2 *	8/2020	Miller	A61B 17/320092
10,004,529	B2 *	6/2018	Stokes	A61B 17/320092	D895,112	S *	9/2020	Miller	D24/144
10,058,347	B2 *	8/2018	Hirai	A61B 17/320092	10,758,245	B2 *	9/2020	Baril	A61B 17/1285
10,076,379	B2 *	9/2018	Boudreaux	A61B 18/1445	10,779,824	B2 *	9/2020	Shelton, IV	A61B 17/29
10,092,310	B2 *	10/2018	Boudreaux	A61B 17/285	10,779,879	B2 *	9/2020	Yates	A61B 18/18
10,092,350	B2 *	10/2018	Rothweiler	A61B 18/1445	10,813,662	B2 *	10/2020	Ruiz Ortiz	A61B 17/320092
10,111,698	B2 *	10/2018	Scheib	A61B 17/320092	D901,688	S *	11/2020	Thouement	D24/146
10,166,030	B2 *	1/2019	Newell	A61B 17/3201	10,820,920	B2 *	11/2020	Scoggins	A61B 90/08
10,175,096	B2 *	1/2019	Dickerson	B06B 3/00	10,835,277	B2 *	11/2020	Lopez	A61B 17/320092
					10,835,308	B2 *	11/2020	Kano	A61B 17/320092
					D904,608	S *	12/2020	Attinger	D24/138
					10,881,451	B2 *	1/2021	Worrell	A61B 18/1445
					10,905,421	B2 *	2/2021	Shelton, IV	A61B 17/0684
					10,932,803	B2 *	3/2021	Estera	A61B 17/26
					10,932,845	B2 *	3/2021	Worrell	A61B 18/1445

* cited by examiner

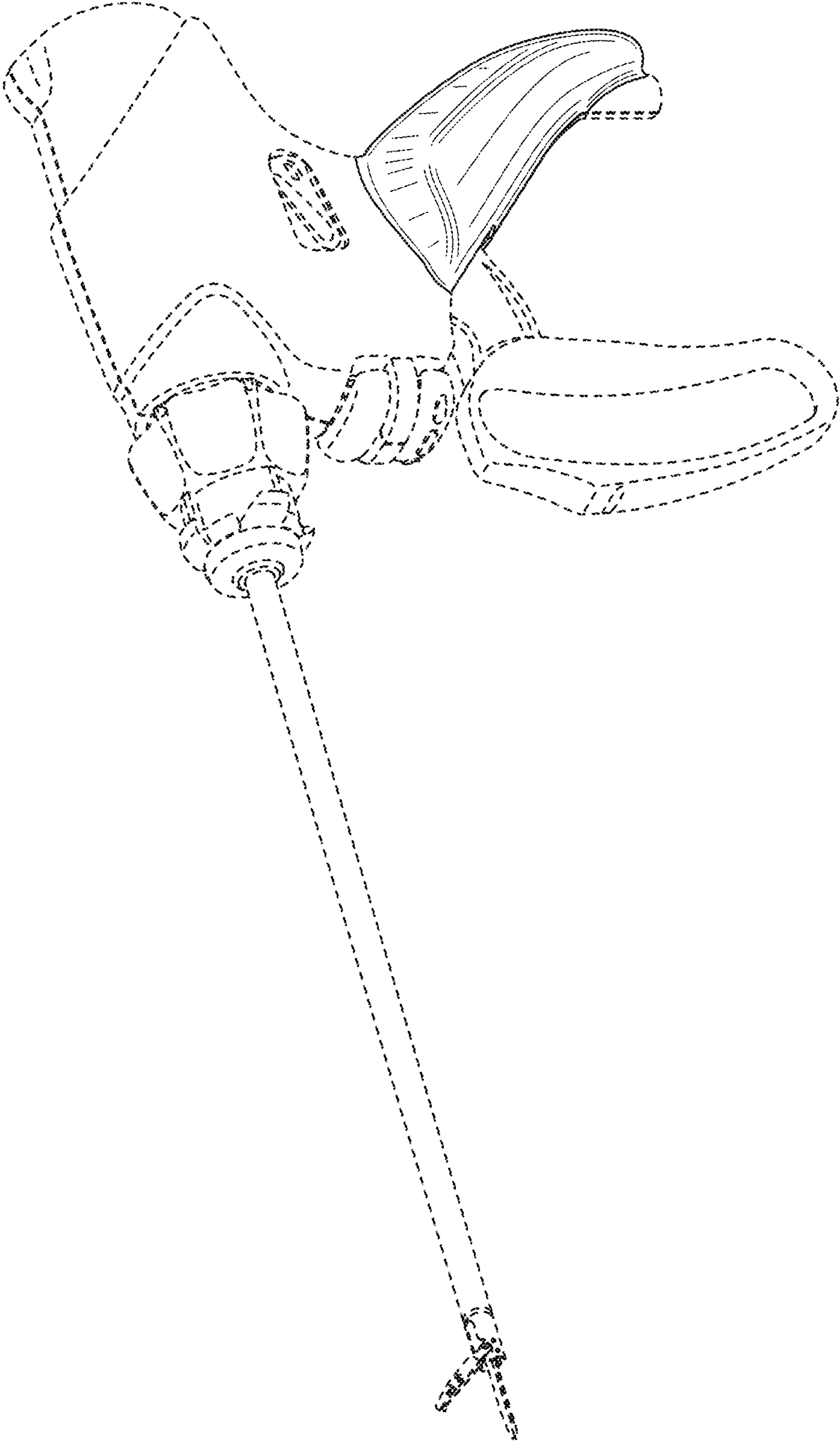


FIG. 1

FIG. 2

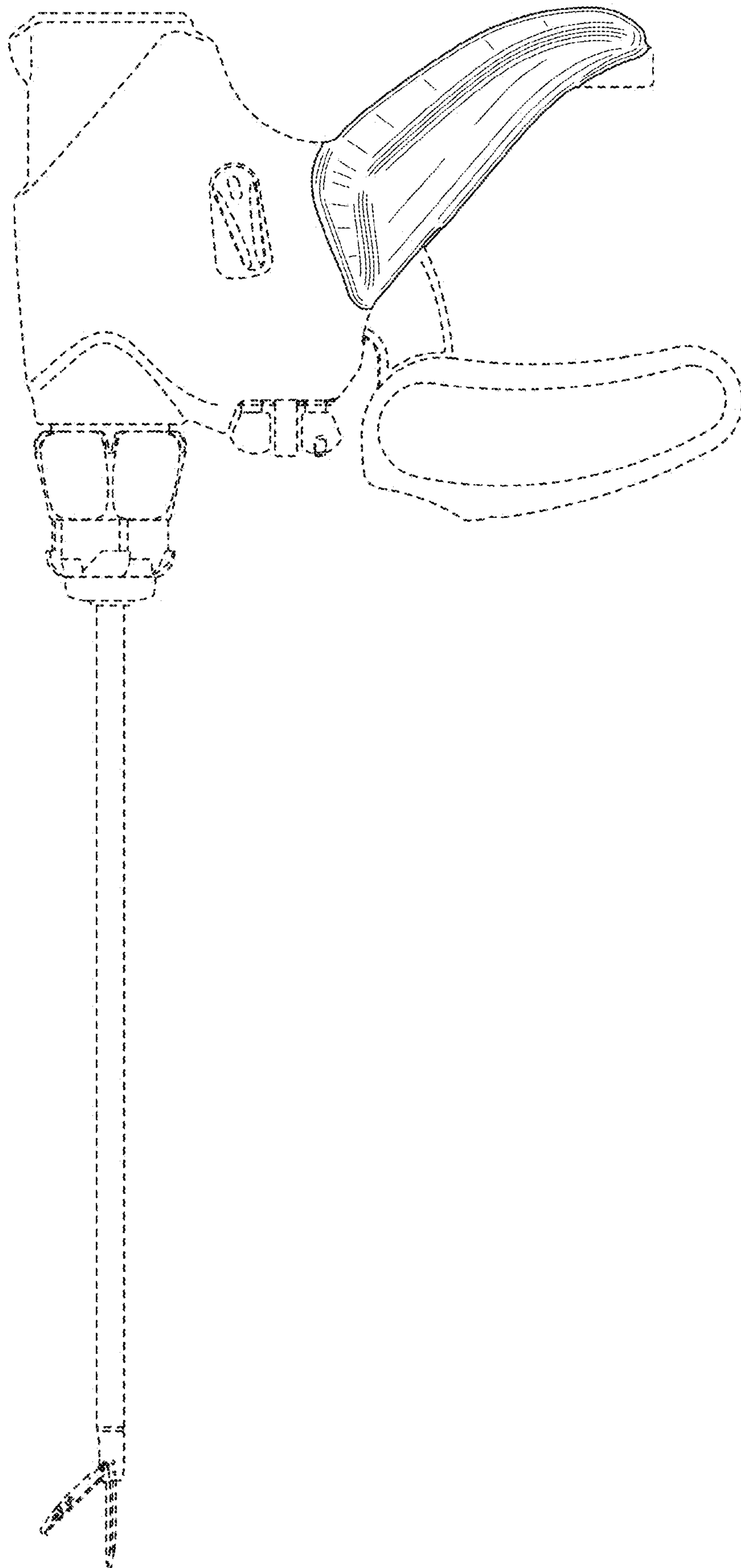


FIG. 3

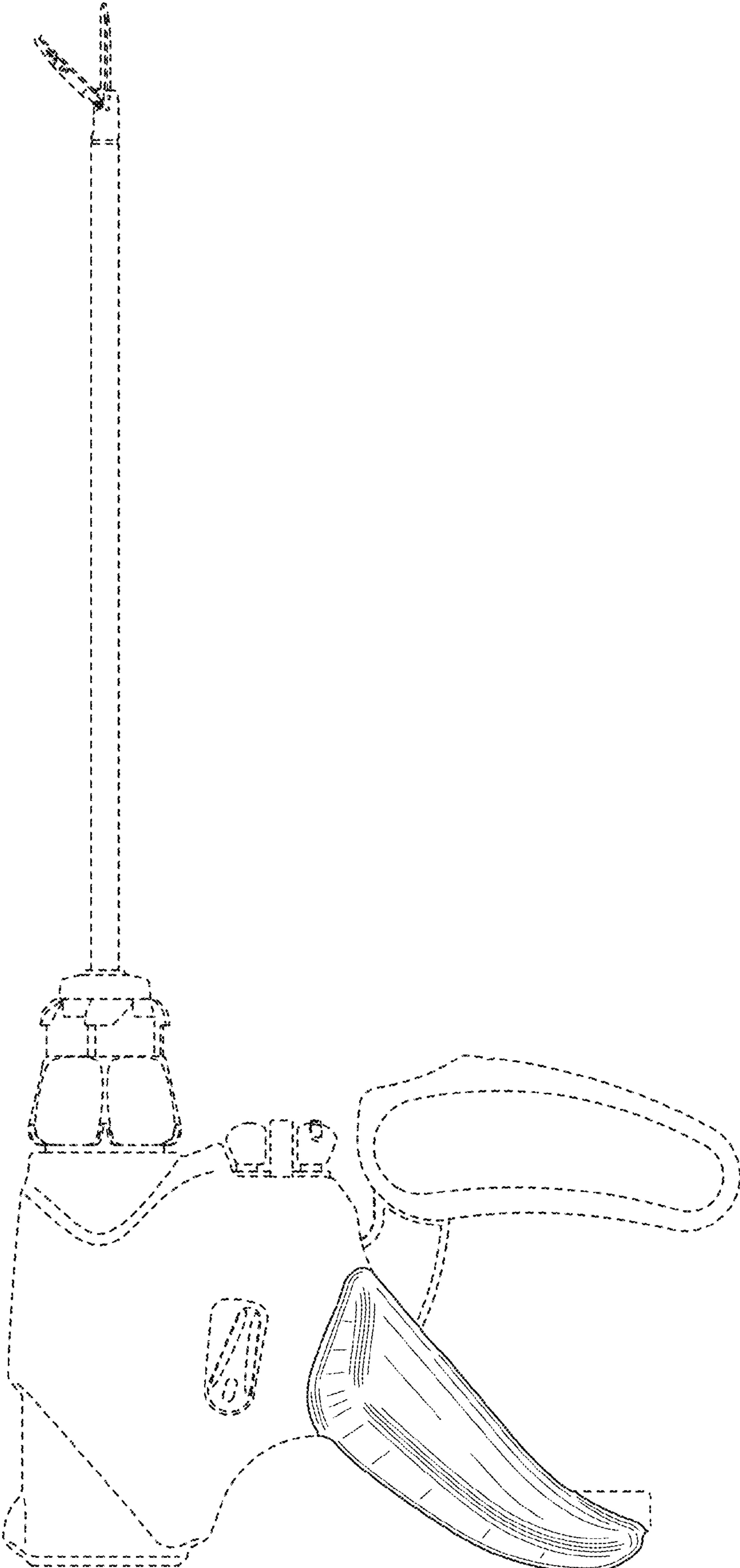


FIG. 4

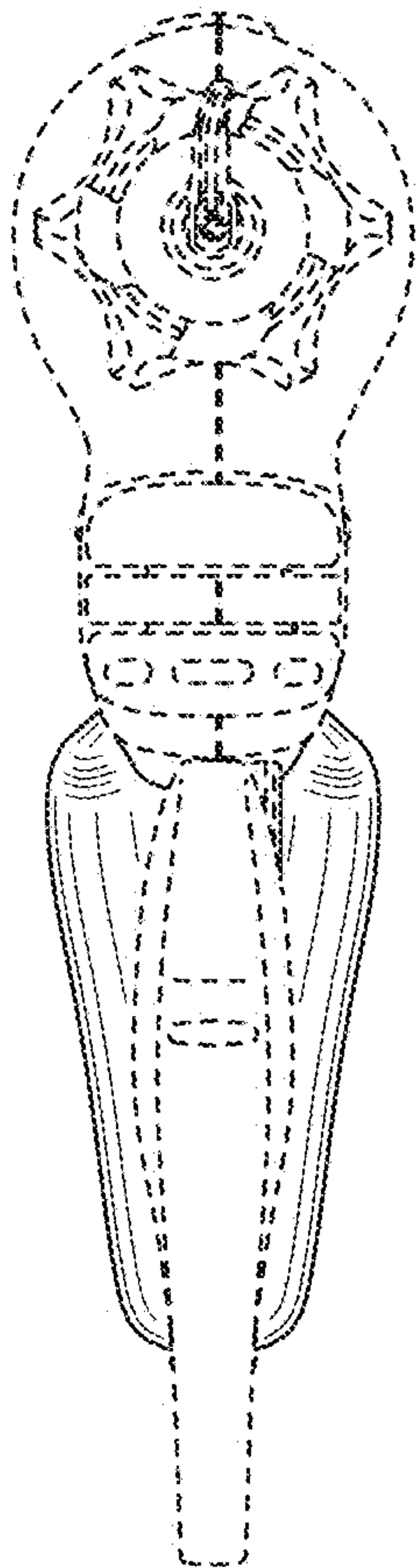


FIG. 5

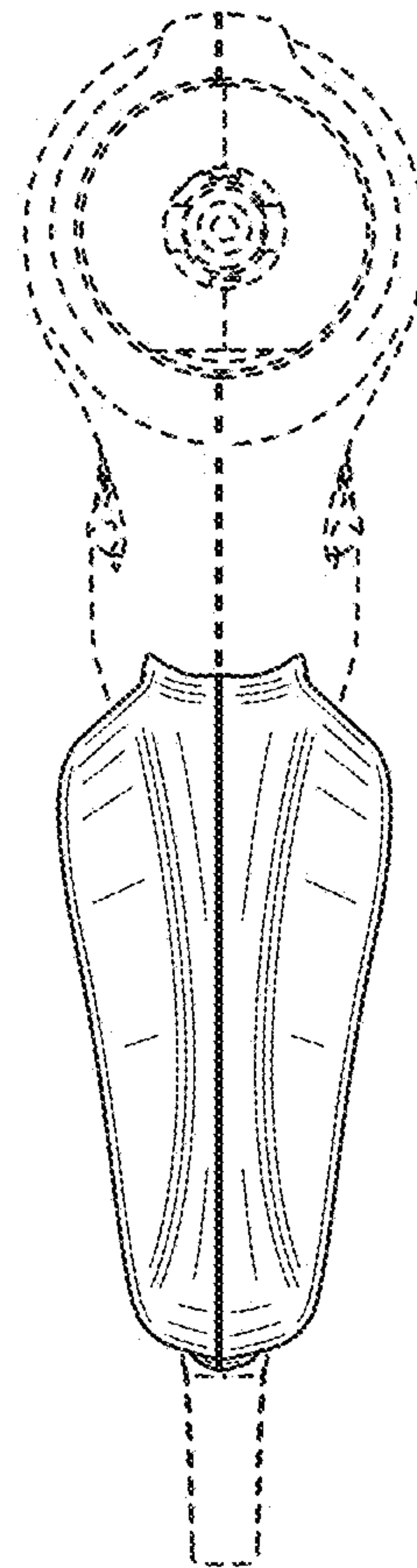


FIG. 6

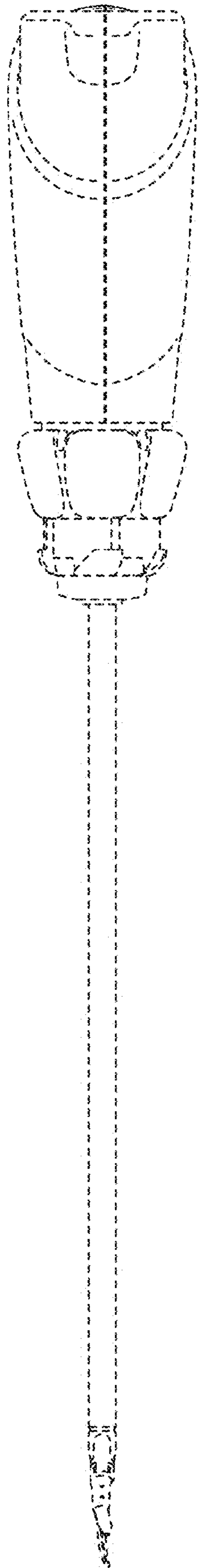


FIG. 7

