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

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(54) **WINDER FOR LAUNCHING APPARATUS
FOR SPINNING TOP TOY**

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(51) **LOC (11) Cl.** **21-01**

(52) **U.S. Cl.**
USPC **D21/461**; D21/454; D21/463

(58) **Field of Classification Search**
USPC D21/435, 454, 455-464, 561, 566;
446/235-266, 429, 430, 462
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1/12; A63H 27/14; A63H 29/20; A63H
29/24; A63H 17/008

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,701,216 A * 10/1972 Smith A63F 7/2472
185/39
D246,197 S * 10/1977 Iwanami D21/590
D302,191 S * 7/1989 Lakin D21/461
6,743,070 B1 * 6/2004 Lin A63H 1/02
446/15
D637,661 S * 5/2011 Horikoshi D21/453
9,180,379 B2 * 11/2015 Choi A63H 1/04
9,737,822 B2 * 8/2017 Kubo A63H 1/04

9,821,245 B2 * 11/2017 Larsen A63H 33/088
2006/0099880 A1 * 5/2006 Laurienzo A63H 17/006
446/247
2010/0330876 A1 * 12/2010 Carlson A63H 17/26
446/462
2011/0097965 A1 * 4/2011 Finlan A63H 1/00
446/263
2012/0264351 A1 * 10/2012 Ichikawa A63H 29/20
446/465
2014/0106641 A1 * 4/2014 Ichikawa A63H 29/20
446/236
2015/0087200 A1 * 3/2015 Hoeting A63H 17/008
446/462
2016/0310854 A1 * 10/2016 Kubo A63H 1/04

FOREIGN PATENT DOCUMENTS

CA 2490441 A1 * 6/2005 A63H 1/04
CA 2862620 A1 * 11/2013 A63H 1/26
CA 2916065 A1 * 1/2015 A63H 1/02

(Continued)

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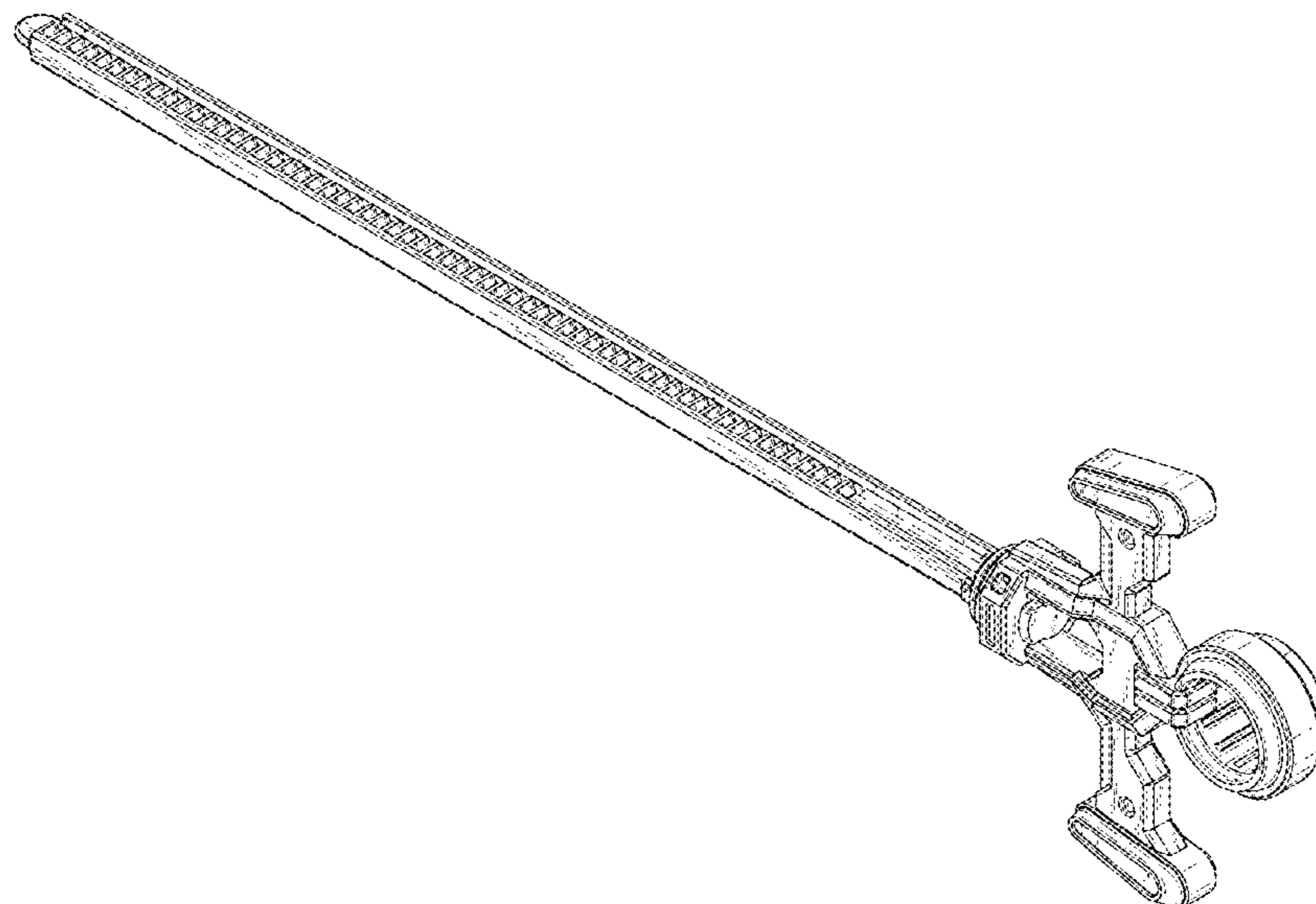
(57) **CLAIM**

The ornamental design for a winder for launching apparatus for spinning top toy, as shown.

DESCRIPTION

FIG. 1 is a front view of the winder for launching apparatus for spinning top toy showing my design;
FIG. 2 is a left side view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a right side view thereof;
FIG. 5 is a top view thereof;
FIG. 6 is a bottom view thereof;
FIG. 7 is a front perspective view thereof; and,
FIG. 8 is a rear perspective view.

1 Claim, 8 Drawing Sheets



(56)

References Cited

FOREIGN PATENT DOCUMENTS

CA	2920495	A1	*	2/2015	.....	A63H 1/04
CN	3480889		*	10/2005		
CN	300905278		*	4/2009		
CN	302044640		*	8/2012		
CN	302826432		*	5/2014		
CN	303533290		*	12/2015		
CN	303935241		*	11/2016		
CN	304554362		*	3/2018		
JP	D1148754		*	7/2002		
JP	D1194145		*	1/2004		
JP	3160658	U	*	7/2010	.....	A63H 1/04
JP	3164823	U	*	12/2010	.....	A63H 1/12
JP	6145206	B1	*	6/2017	.....	A63F 9/16
WO	WO-2012148779	A1	*	11/2012	.....	A63H 1/00
WO	WO-2015068270	A1	*	5/2015	.....	A63H 29/20
WO	D096791-002		*	1/2018		
WO	D096791-005		*	1/2018		

* cited by examiner

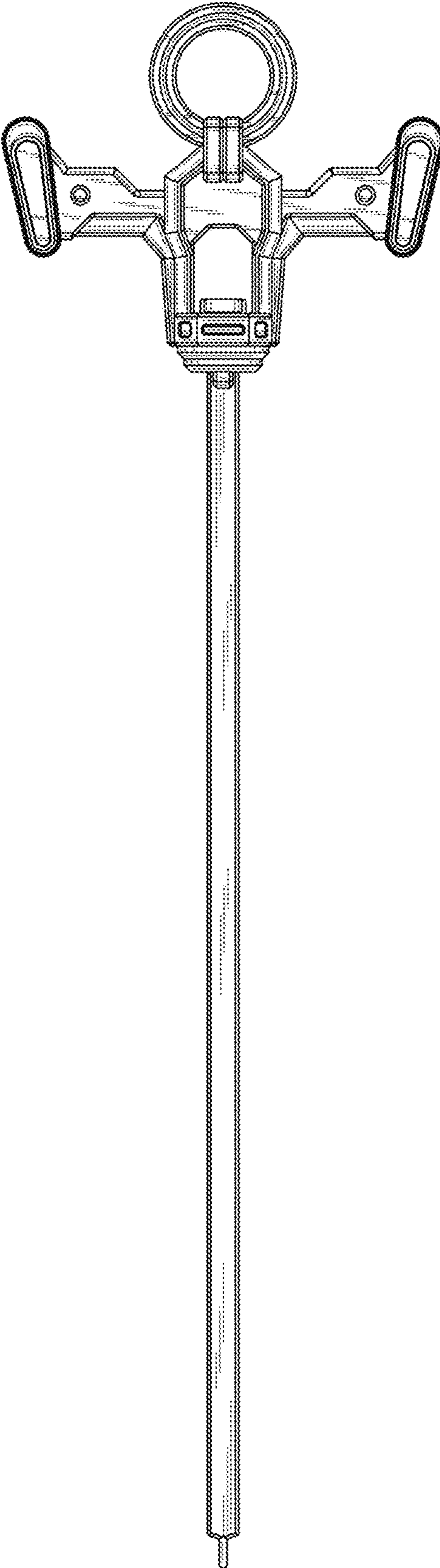


FIG. 1

FIG. 2

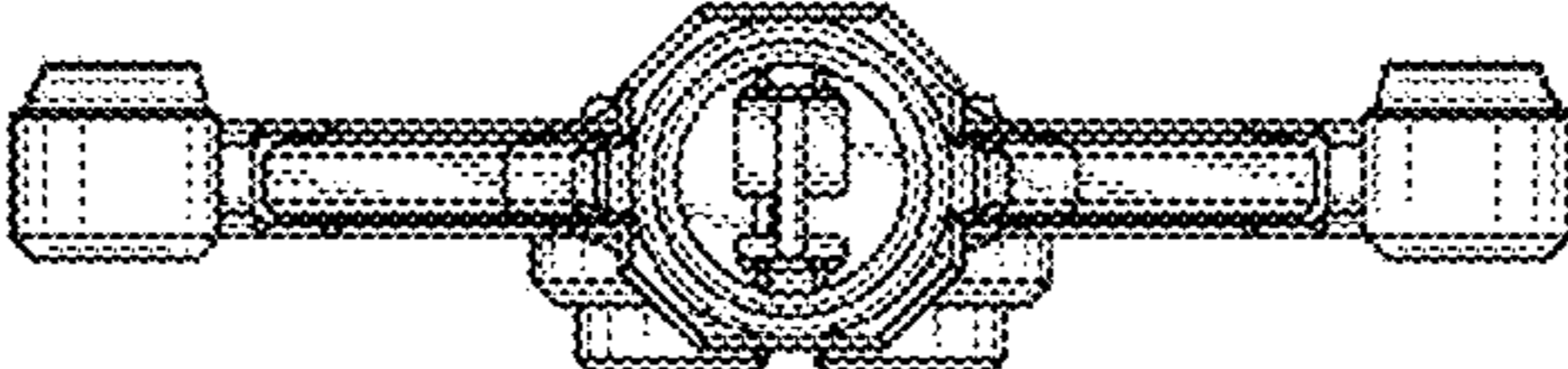


FIG. 3

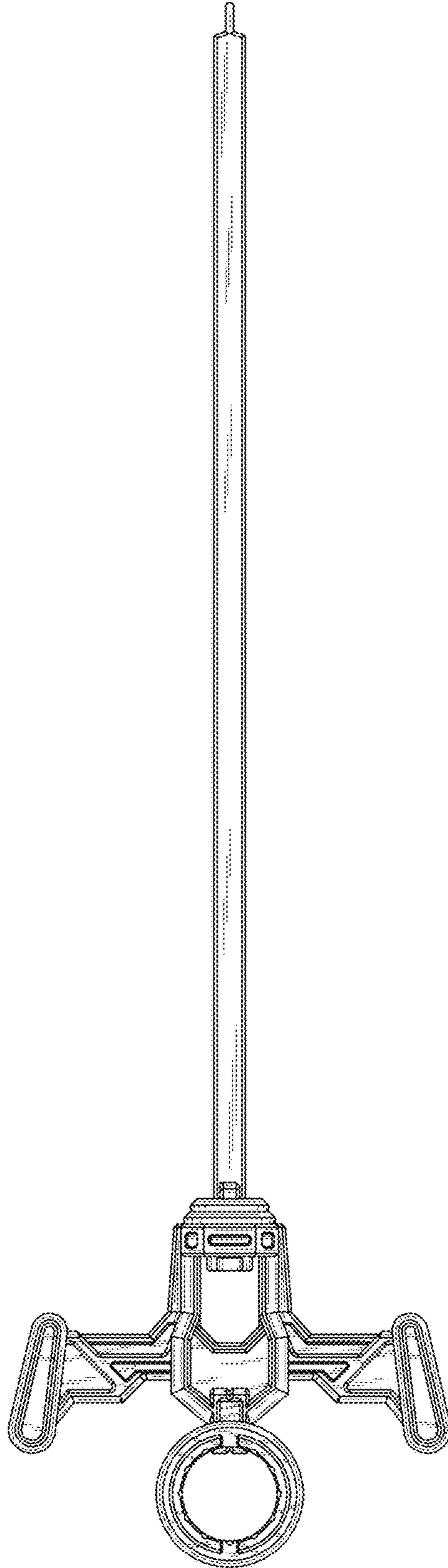


FIG. 4

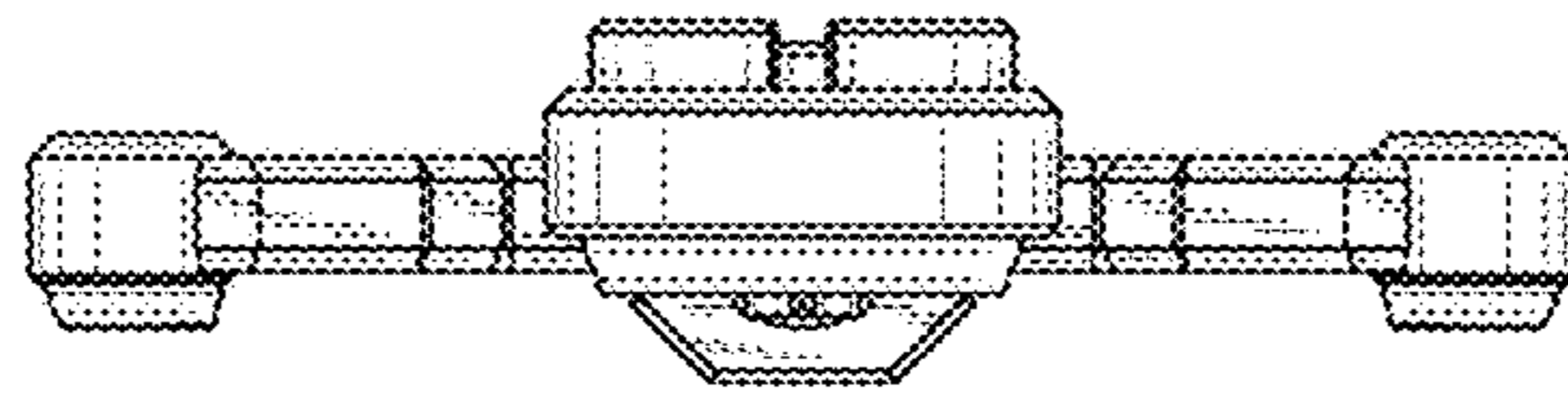


FIG. 5

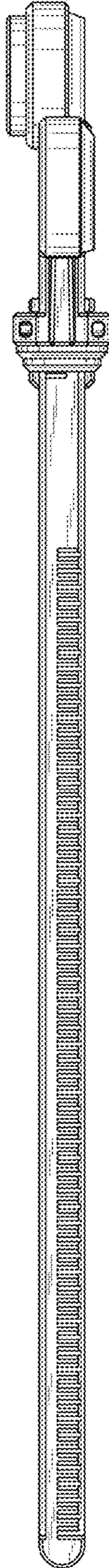


FIG. 6

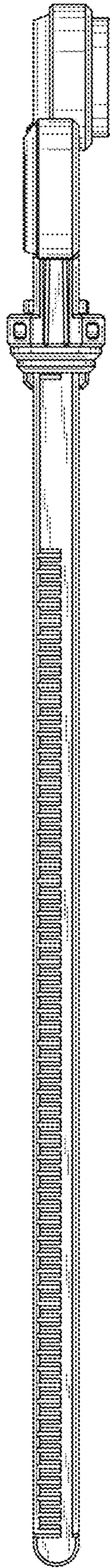


FIG. 7

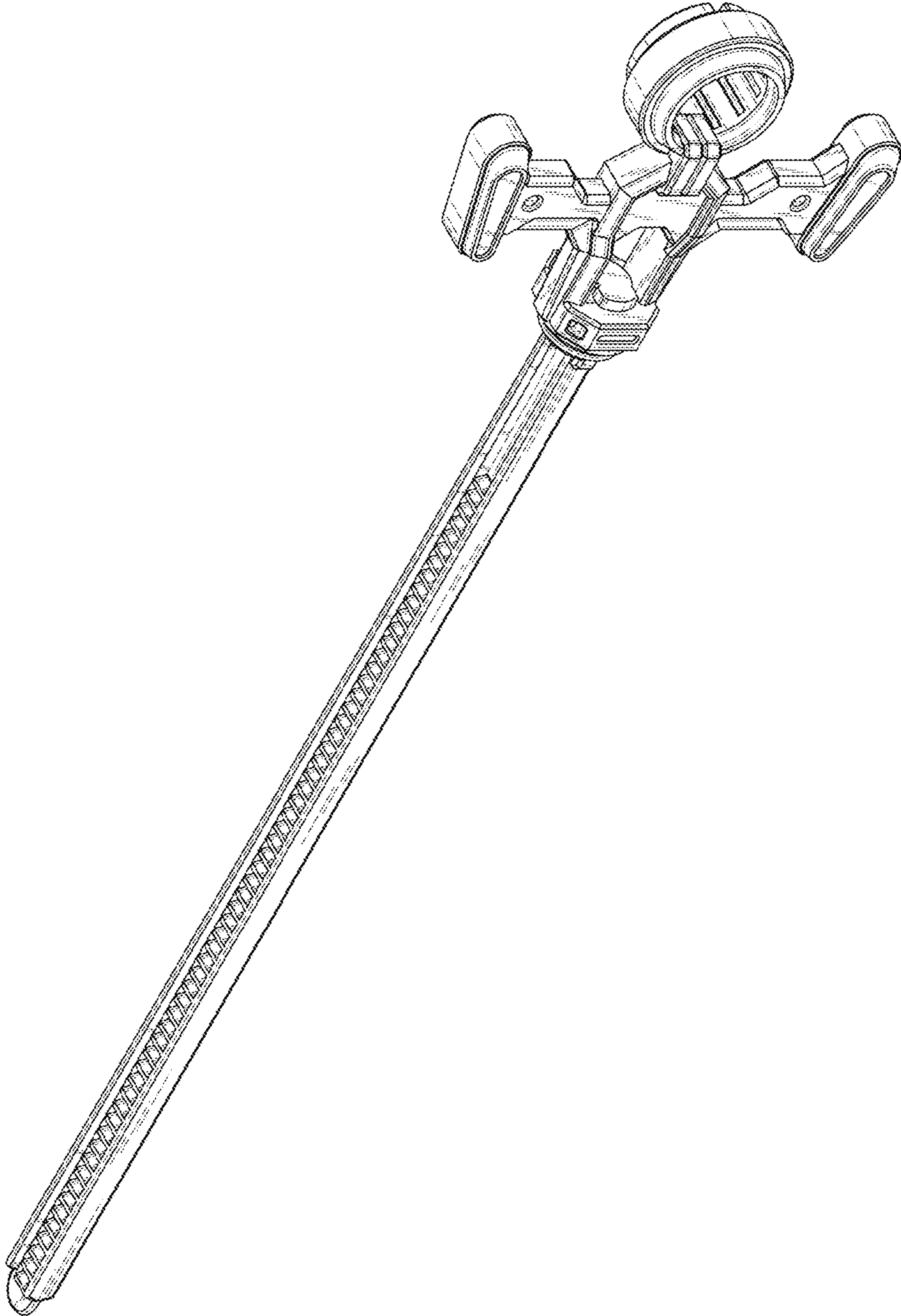


FIG. 8

