



US00D830551S

(12) **United States Design Patent** (10) **Patent No.:** **US D830,551 S**
Bratbak et al. (45) **Date of Patent:** **** Oct. 9, 2018**

(54) **MEDICAL INSTRUMENT**

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(73) Assignee: **Norwegian University of Science and Technology (NTNU), Trondheim (NO)**

(**) Term: **14 Years**

(21) Appl. No.: **29/483,969**

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(30) **Foreign Application Priority Data**

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(51) **LOC (11) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/146**

(58) **Field of Classification Search**
USPC D24/146, 147, 112, 113, 128, 133, 137,
D24/141; 600/567; 604/506, 95.01
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D608,889 S * 1/2010 Tenger D24/137
D611,598 S * 3/2010 Tenger D24/133
(Continued)

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Assistant Examiner — Carissa C Fitts

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(57) **CLAIM**

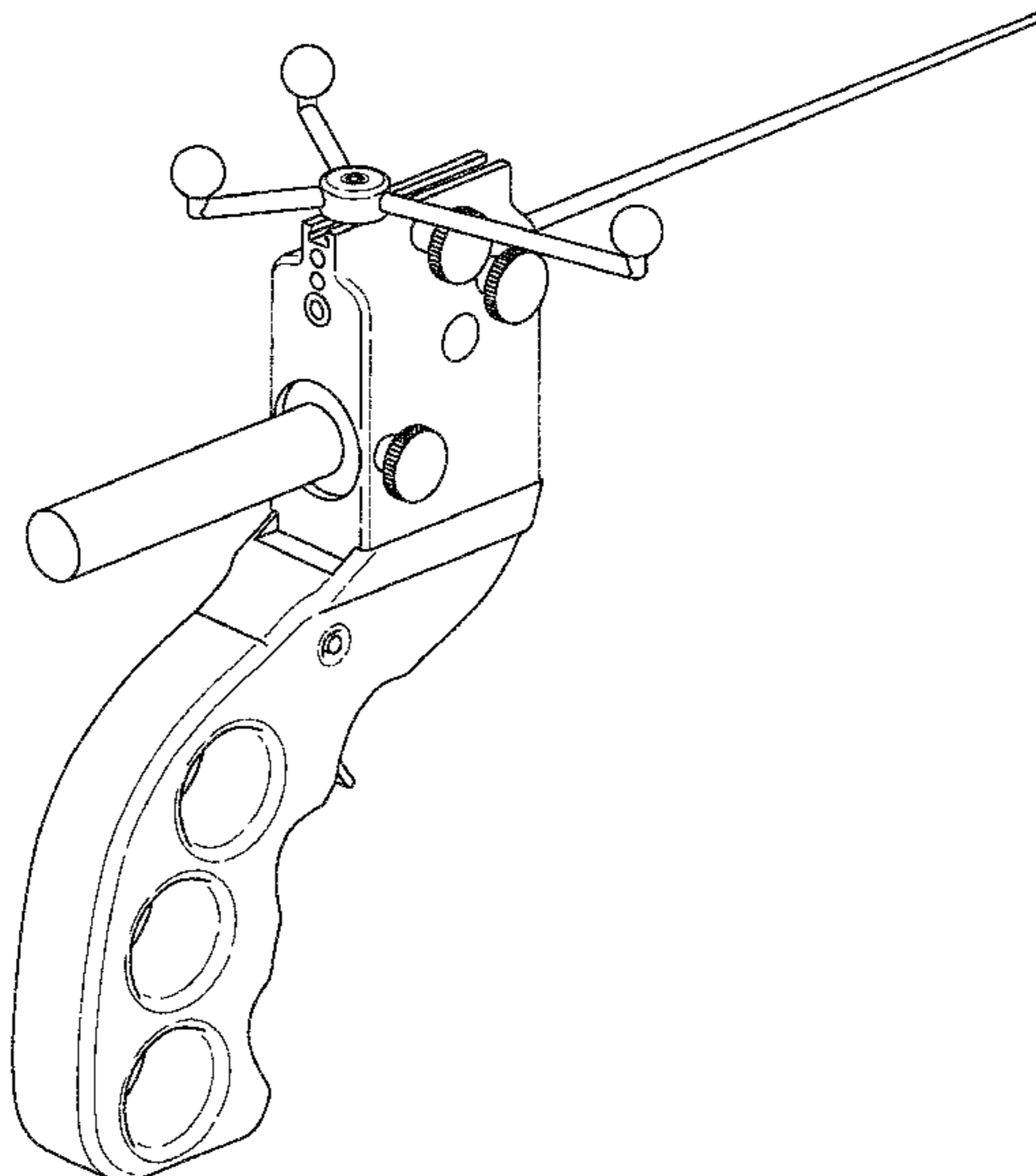
The ornamental design for a medical instrument, as shown and described.

DESCRIPTION

FIG. 1 is a rear perspective view of a medical instrument showing a first embodiment of our new design;
FIG. 2 is a front perspective view thereof;
FIG. 3 is a front perspective view showing the medical instrument;
FIG. 4 is a front perspective view showing the medical instrument;
FIG. 5 is a front perspective view showing the medical instrument;
FIG. 6 is a right side view thereof;
FIG. 7 is a top view thereof;
FIG. 8 is a left side view thereof;
FIG. 9 is a rear view thereof;
FIG. 10 is a front view thereof; and
FIG. 11 is a bottom view thereof;
FIG. 12 is a rear perspective view of a medical instrument showing a second embodiment of our new design;
FIG. 13 is a front perspective view thereof;
FIG. 14 is a front perspective view showing the medical instrument;
FIG. 15 is a front perspective view showing the medical instrument;
FIG. 16 is a front perspective view showing the medical instrument;
FIG. 17 is a right side view thereof;
FIG. 18 is a top view thereof;
FIG. 19 is a left side view thereof;
FIG. 20 is a rear view thereof;
FIG. 21 is a front view thereof; and,
FIG. 22 is a bottom view thereof.

The broken line showing of the attached devices in FIGS. 3, 4, 5, 14, 15, and 16 is for environmental purposes only. All other broken lines show visible portions of the article not claimed. The broken lines form no part of the claimed design.

1 Claim, 16 Drawing Sheets



(58) **Field of Classification Search**
 CPC A61M 5/20; A61M 5/24; A61M 2005/206;
 A61M 2209/01; A61M 2210/0687; A61B
 10/0233; A61B 2010/0208
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D628,290 S *	11/2010	Romero	D24/133	D700,699 S *	3/2014	O'Leary	D24/146
D628,692 S *	12/2010	Greenhalgh	D24/133	D710,003 S *	7/2014	Rimsa	D24/113
D631,155 S *	1/2011	Peine	D24/133	D714,931 S *	10/2014	Sealfon	D24/112
D631,158 S *	1/2011	Doerges	D24/137	D715,435 S *	10/2014	Darian	D24/144
D632,787 S *	2/2011	Tenger	D24/133	D717,431 S *	11/2014	Cardinale	D24/133
D636,080 S *	4/2011	Goldberg	D24/137	D724,199 S *	3/2015	Bambot	D24/112
D636,872 S *	4/2011	Marescaux	D24/133	D724,202 S *	3/2015	Miyano	D24/113
D638,540 S *	5/2011	Ijiri	D24/133	D728,787 S *	5/2015	Booker	D24/146
D640,368 S *	6/2011	Fujioka	D24/113	D736,922 S *	8/2015	Allen	D24/146
D640,789 S *	6/2011	Peine	D24/133	D736,924 S *	8/2015	Oberlaender	D24/146
D650,073 S *	12/2011	Pedersen	D24/133	D739,017 S *	9/2015	Renner	D24/146
D651,311 S *	12/2011	Triplett	D24/133	D740,410 S *	10/2015	Korkuch	D24/112
D658,759 S *	5/2012	Marescaux	D24/133	D741,485 S *	10/2015	Gerhardt	D24/147
D660,422 S *	5/2012	Hermle	D24/133	D744,650 S *	12/2015	Catron	D24/146
D664,647 S *	7/2012	Becker	D24/133	D745,669 S *	12/2015	Swift	D24/137
D693,466 S *	11/2013	Dallemagne	D24/144	D749,727 S *	2/2016	Wapler	D24/133
D699,341 S *	2/2014	Clark	D24/112	D750,224 S *	2/2016	Miyano	D24/113
				D750,773 S *	3/2016	Eaton	D24/128
				D751,691 S *	3/2016	Shaw	D24/112
				D757,261 S *	5/2016	Keckstein	D24/133
				2008/0185430 A1 *	8/2008	Goldbach	A61B 90/96 235/385
				2015/0265769 A1 *	9/2015	Bratbak	A61B 10/0233 600/567
				2016/0262733 A1 *	9/2016	Schlarb	A61B 10/0275
				2016/0271323 A1 *	9/2016	Bruggemann	A61M 5/1452
				2016/0279331 A1 *	9/2016	Konandreas	A61M 5/20

* cited by examiner

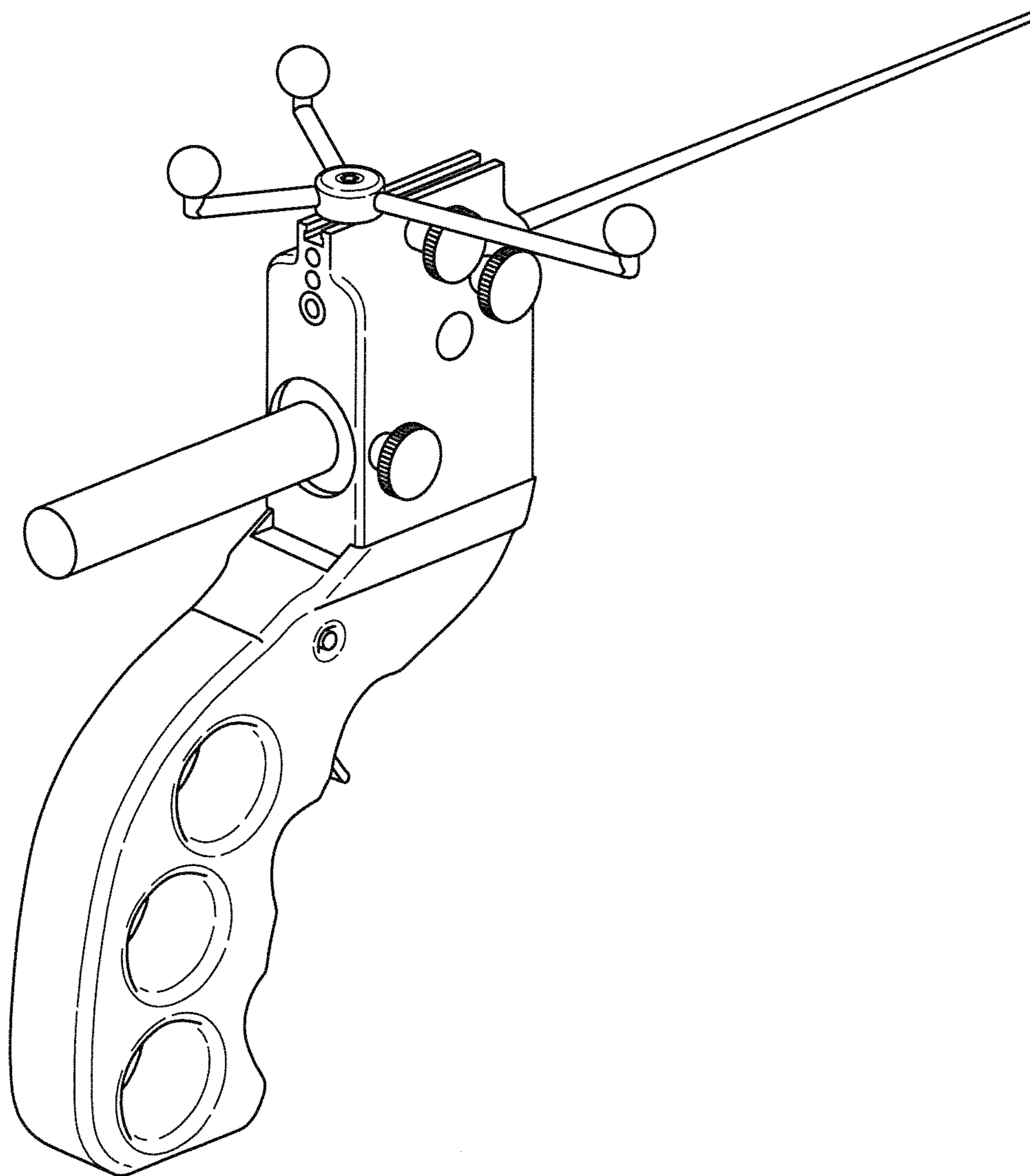


FIG. 1

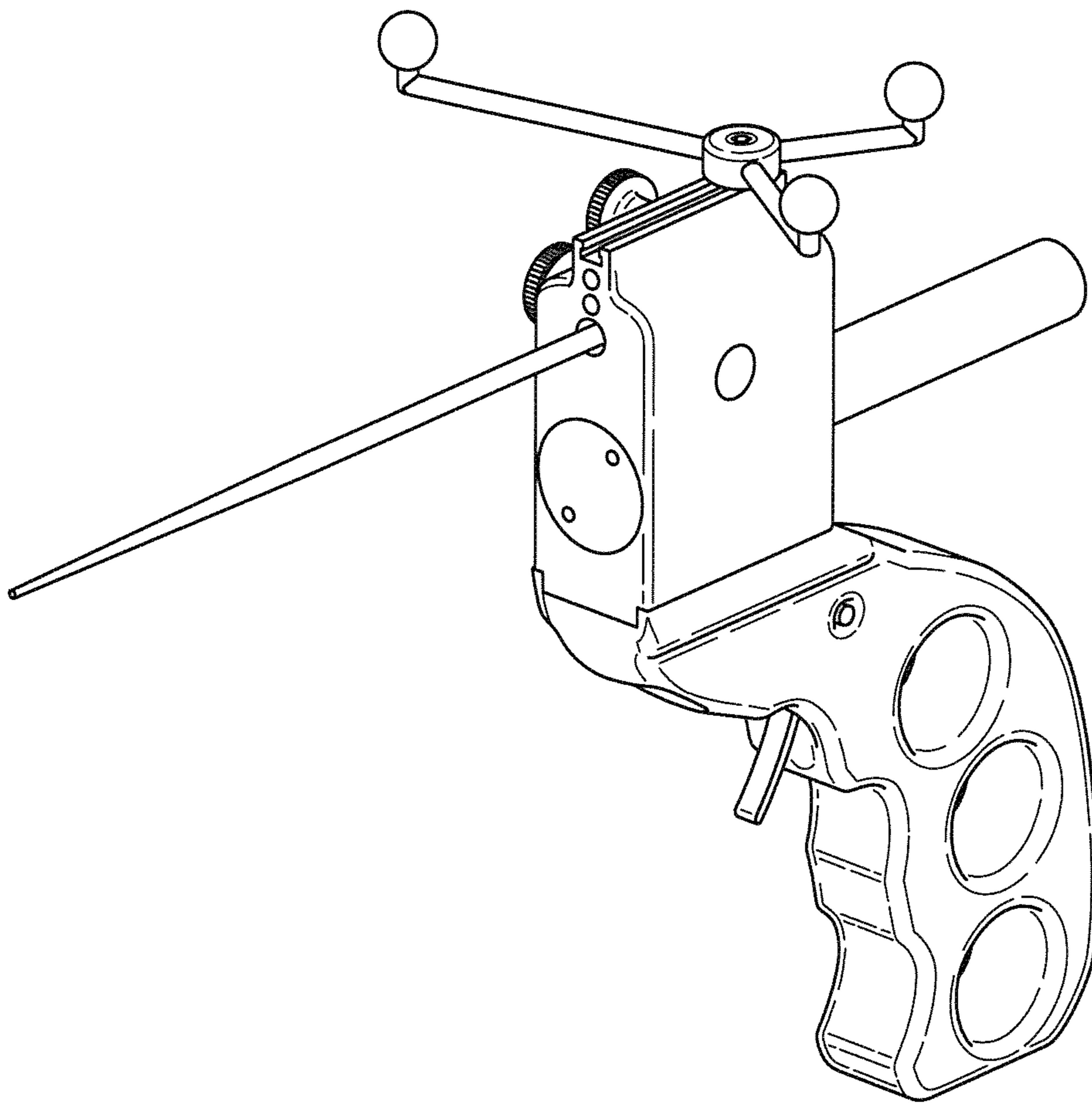


FIG. 2

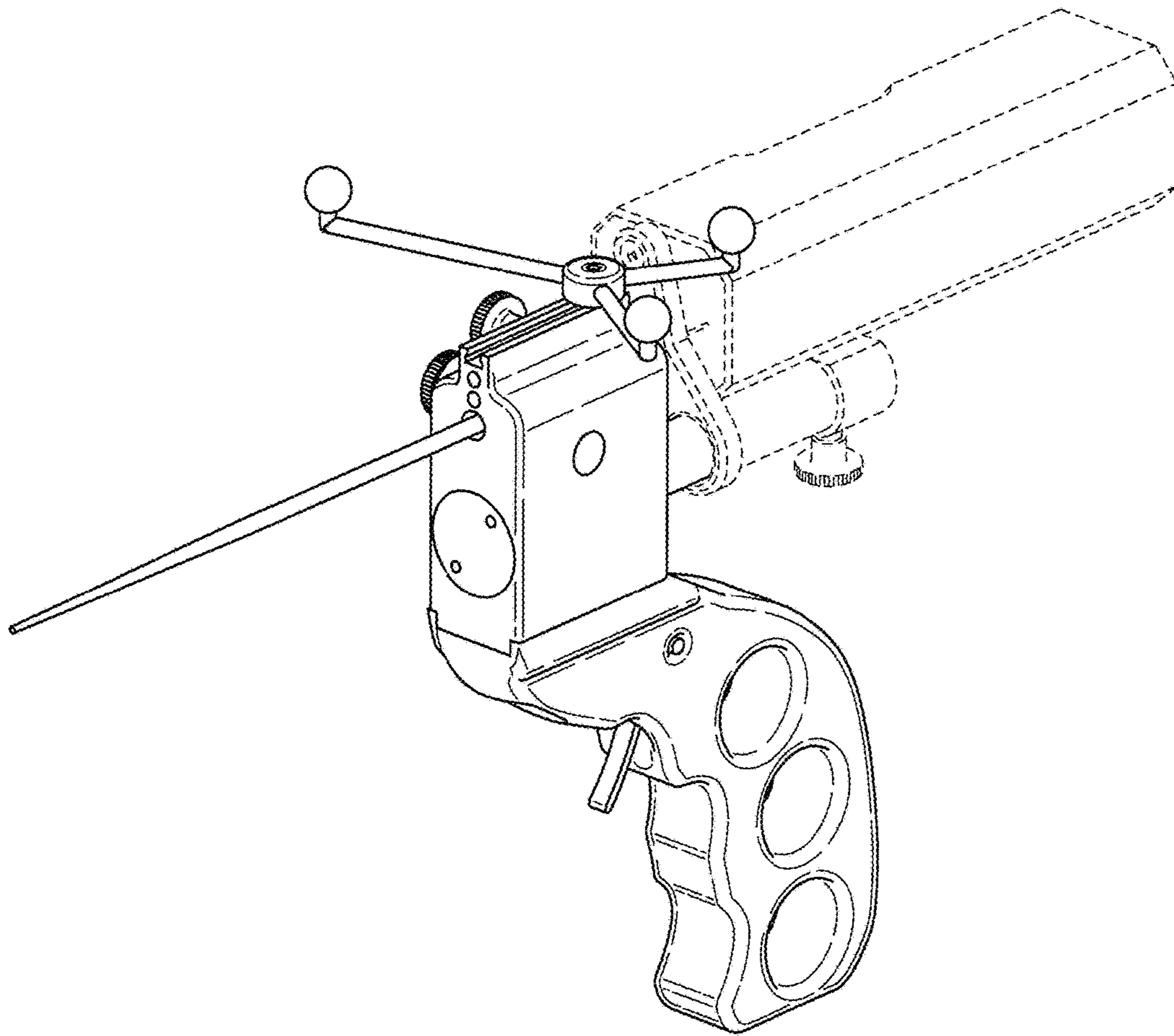


FIG. 3

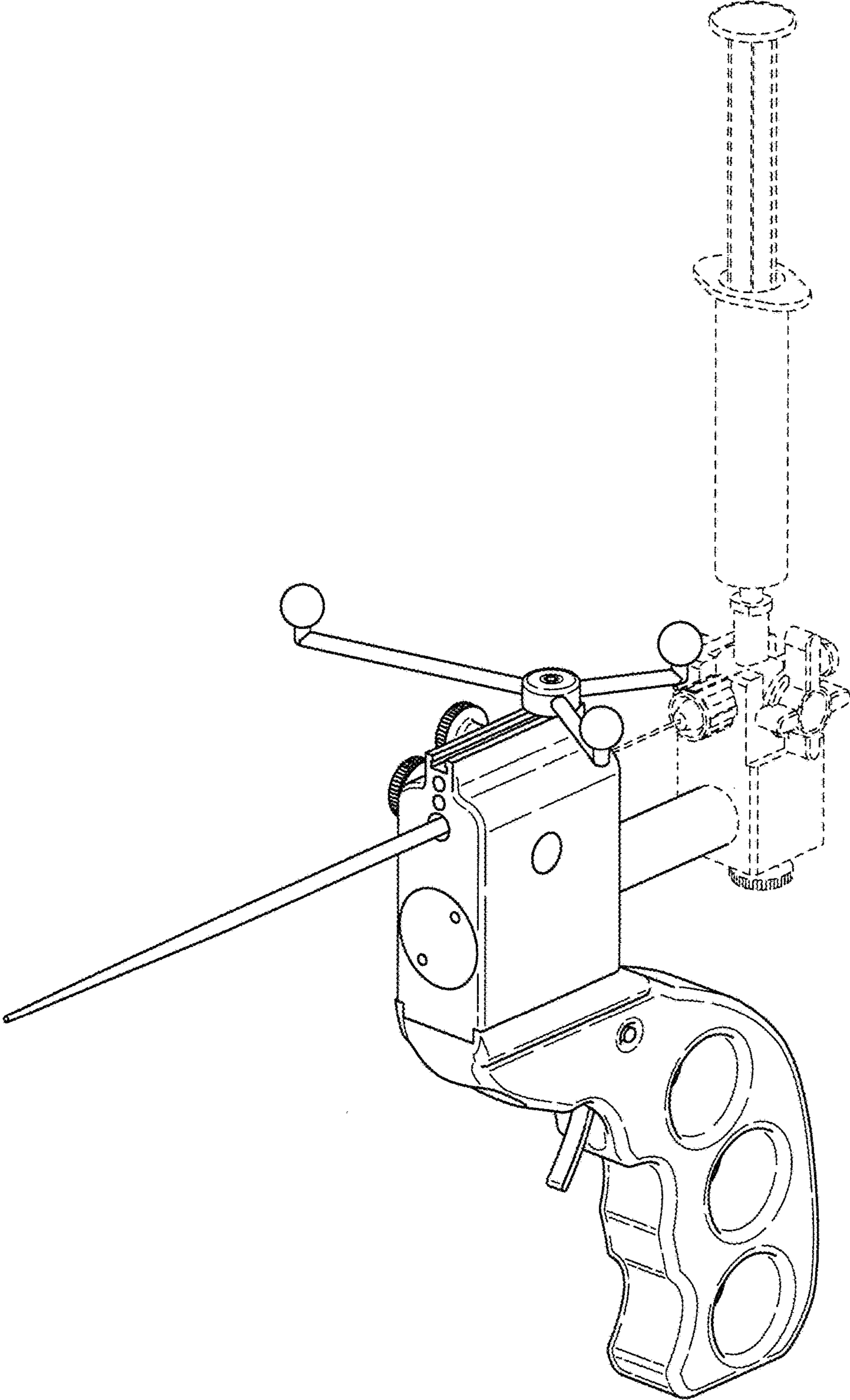


FIG. 4

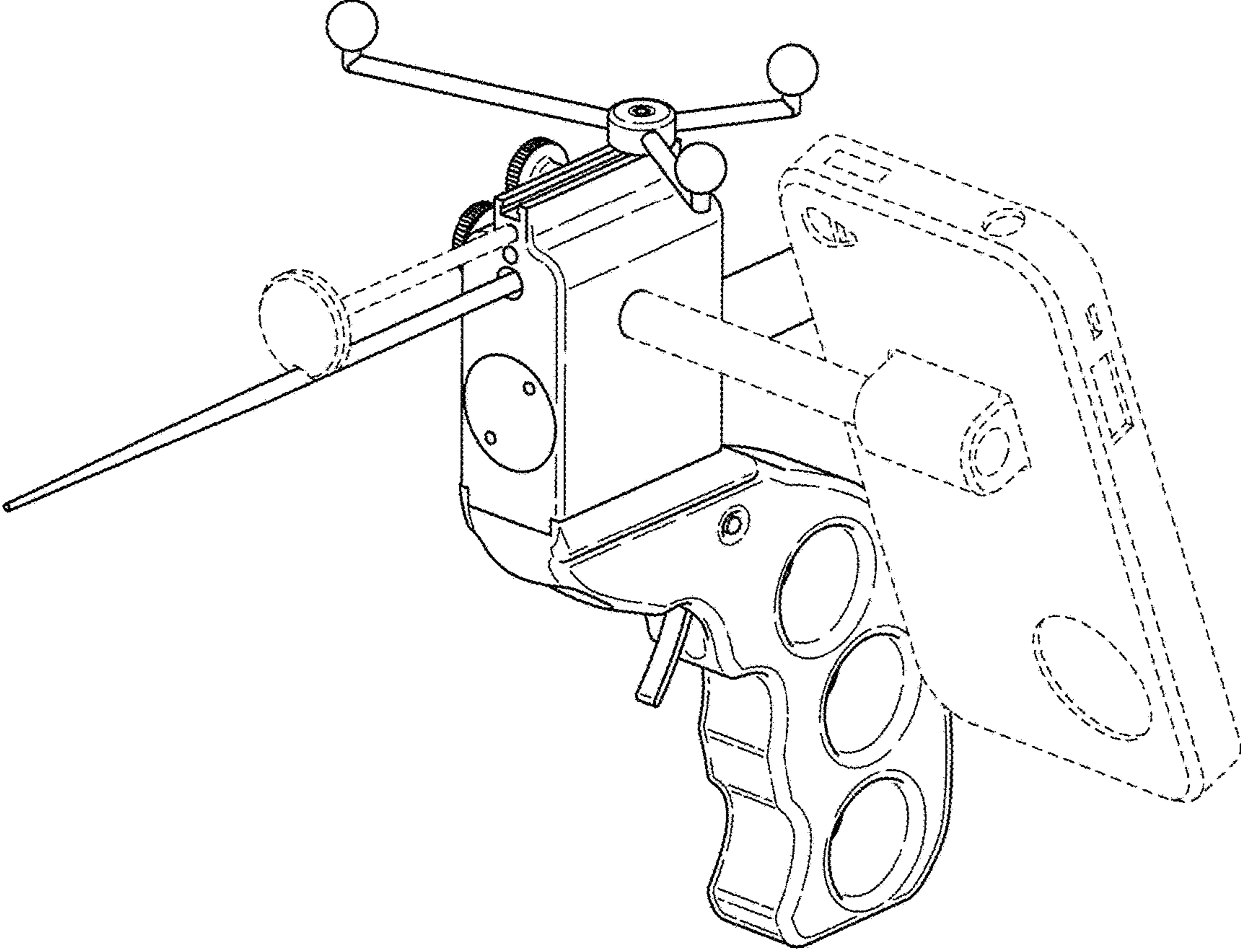


FIG. 5

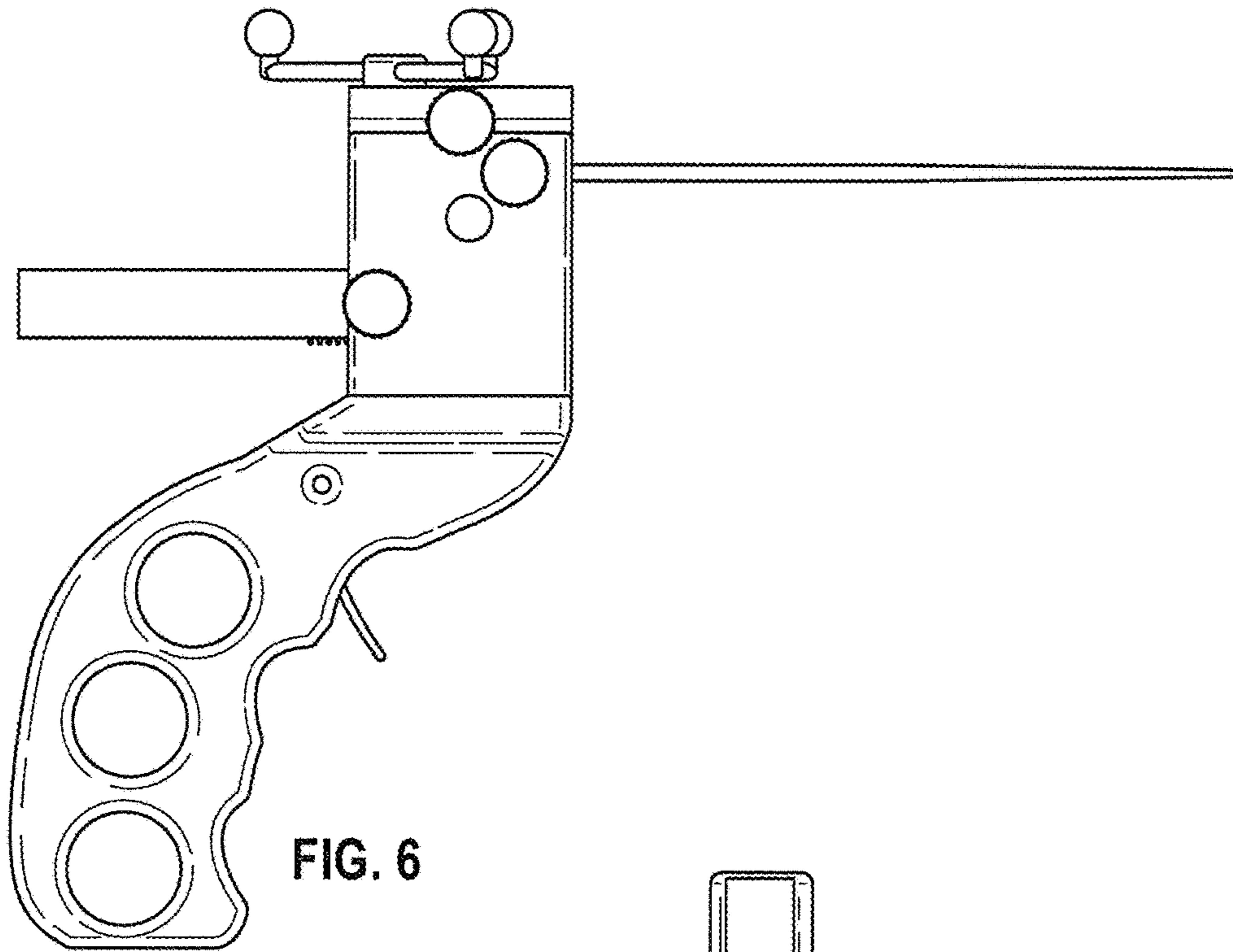


FIG. 6

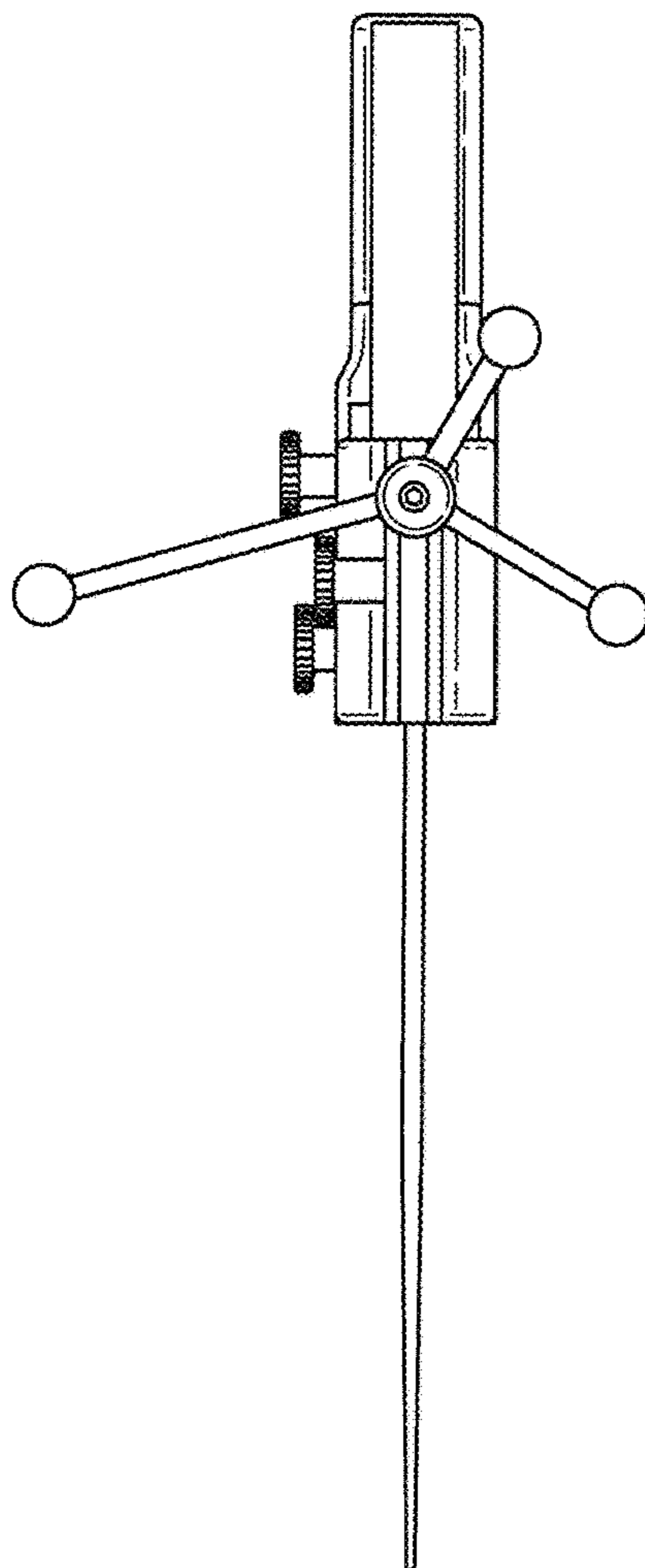
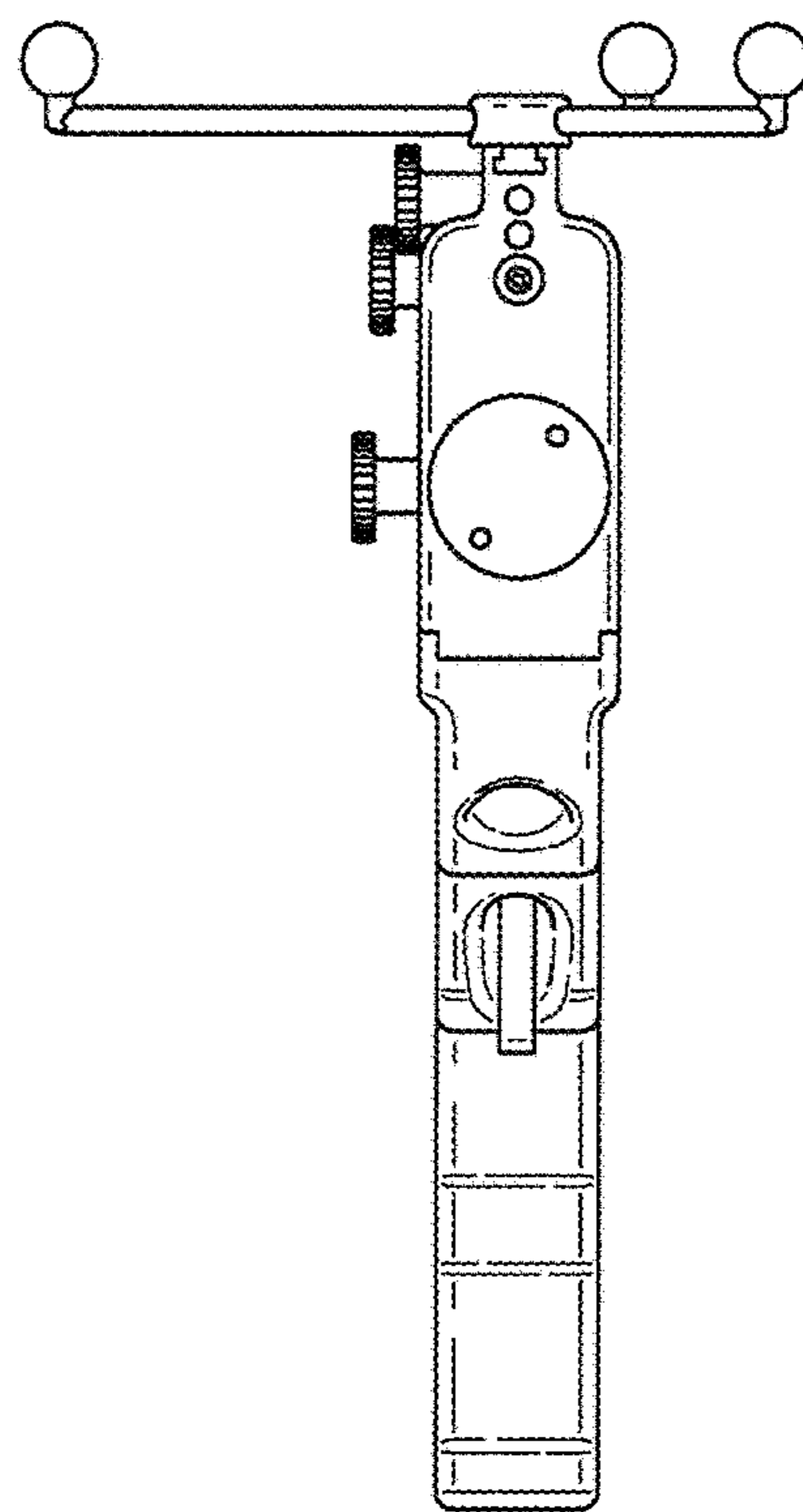
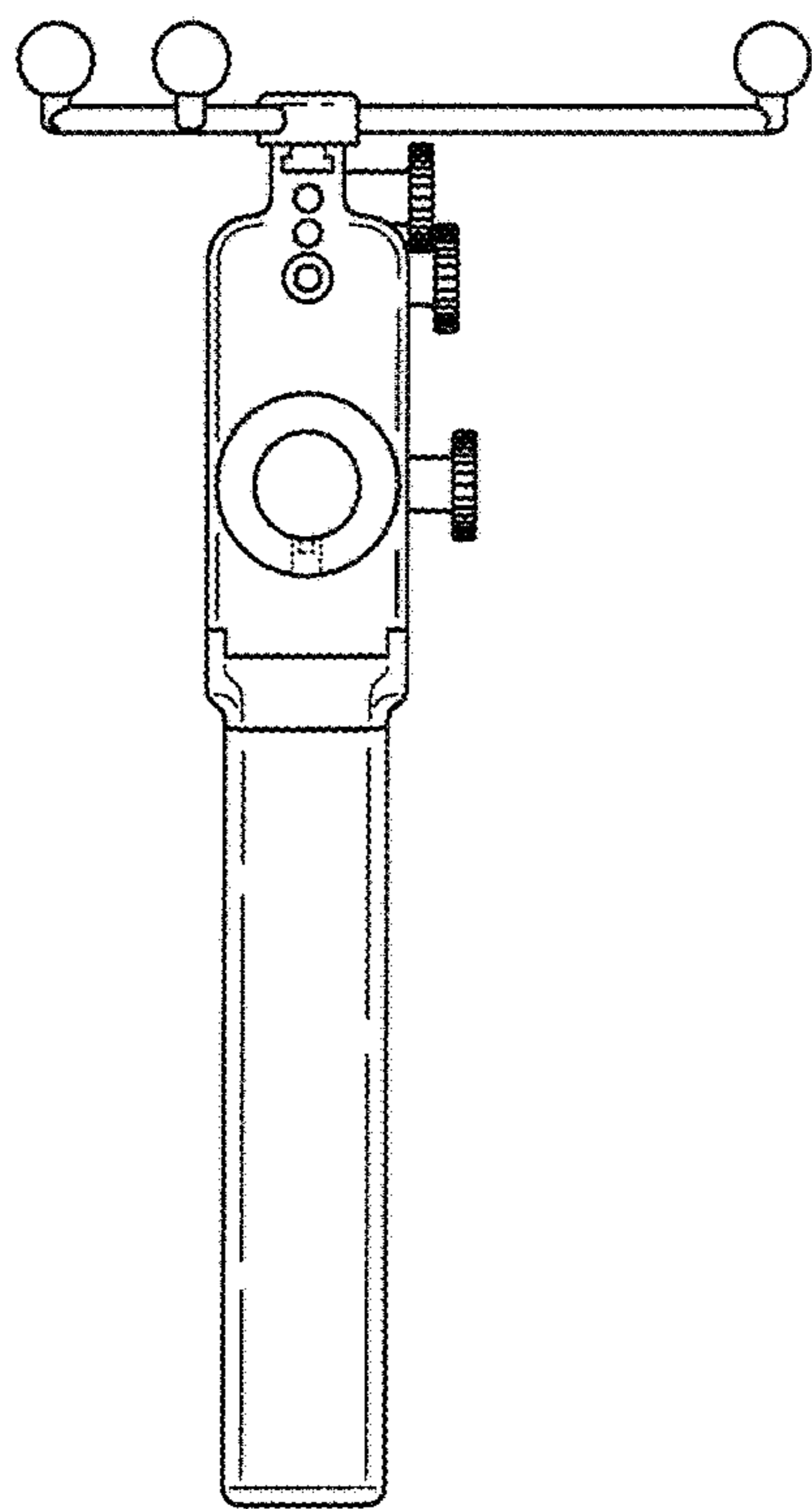
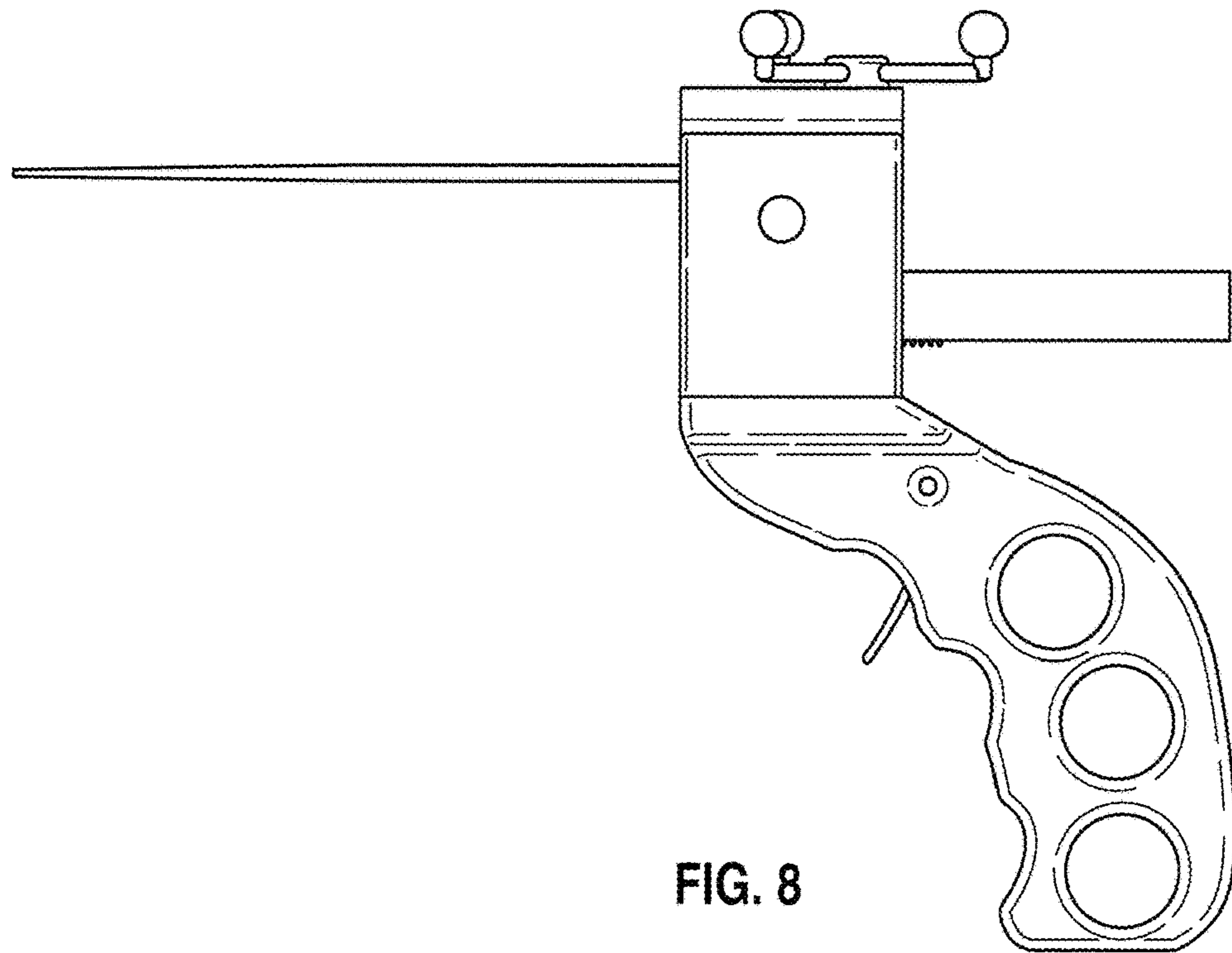


FIG. 7



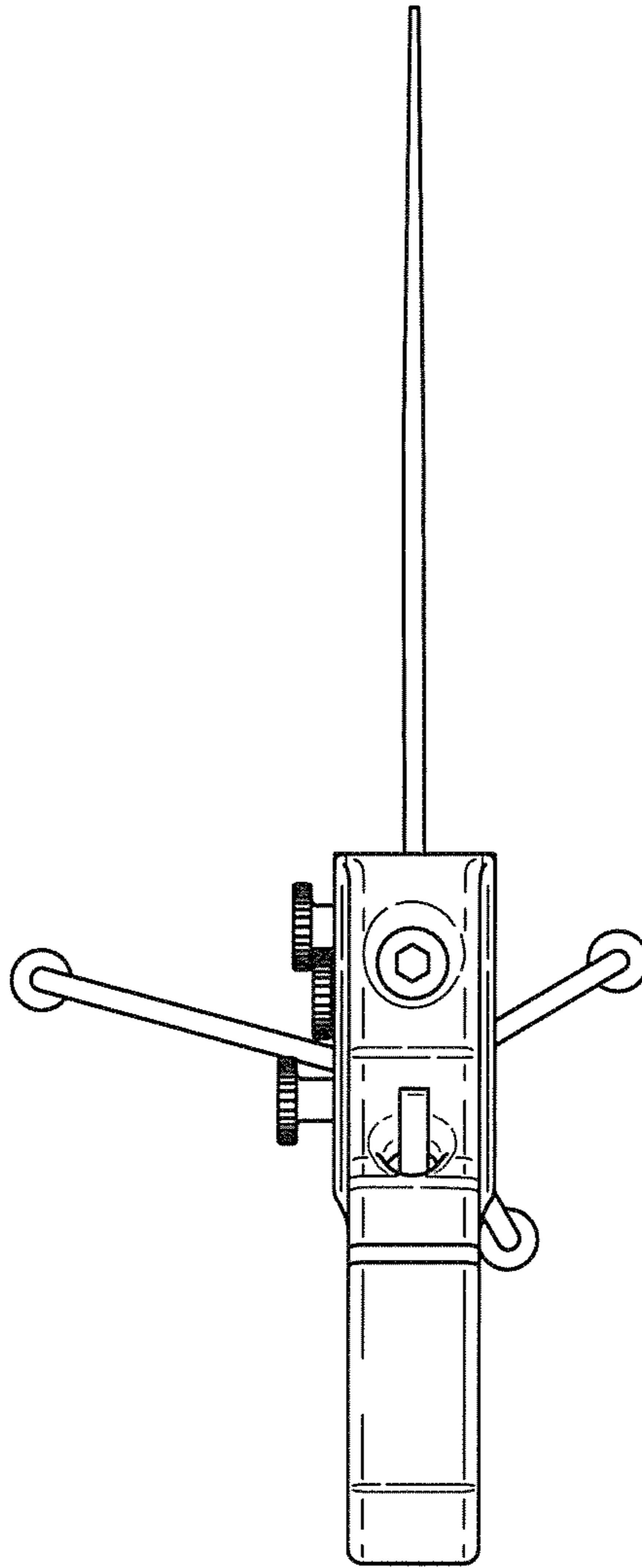


FIG. 11

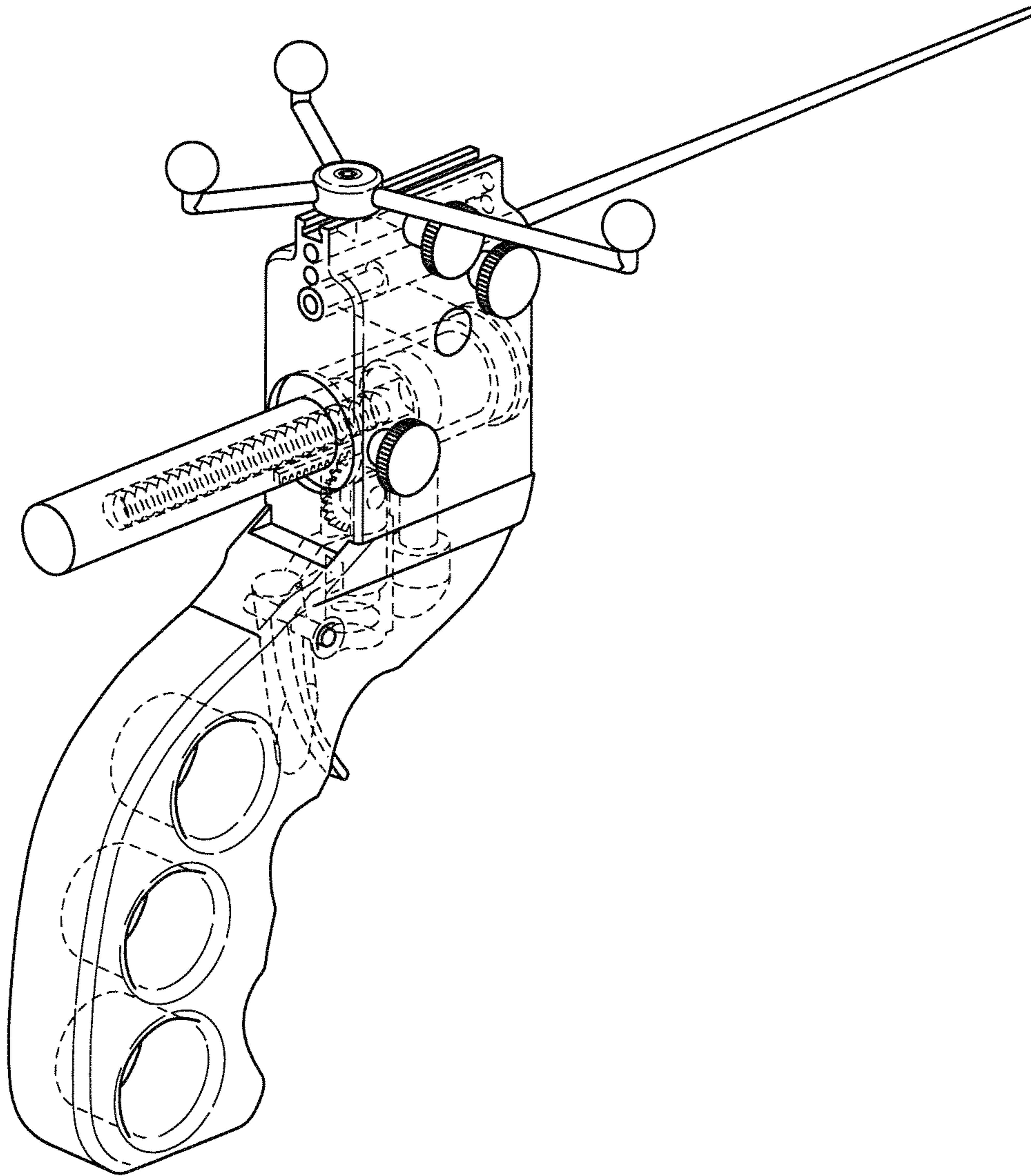


FIG. 12

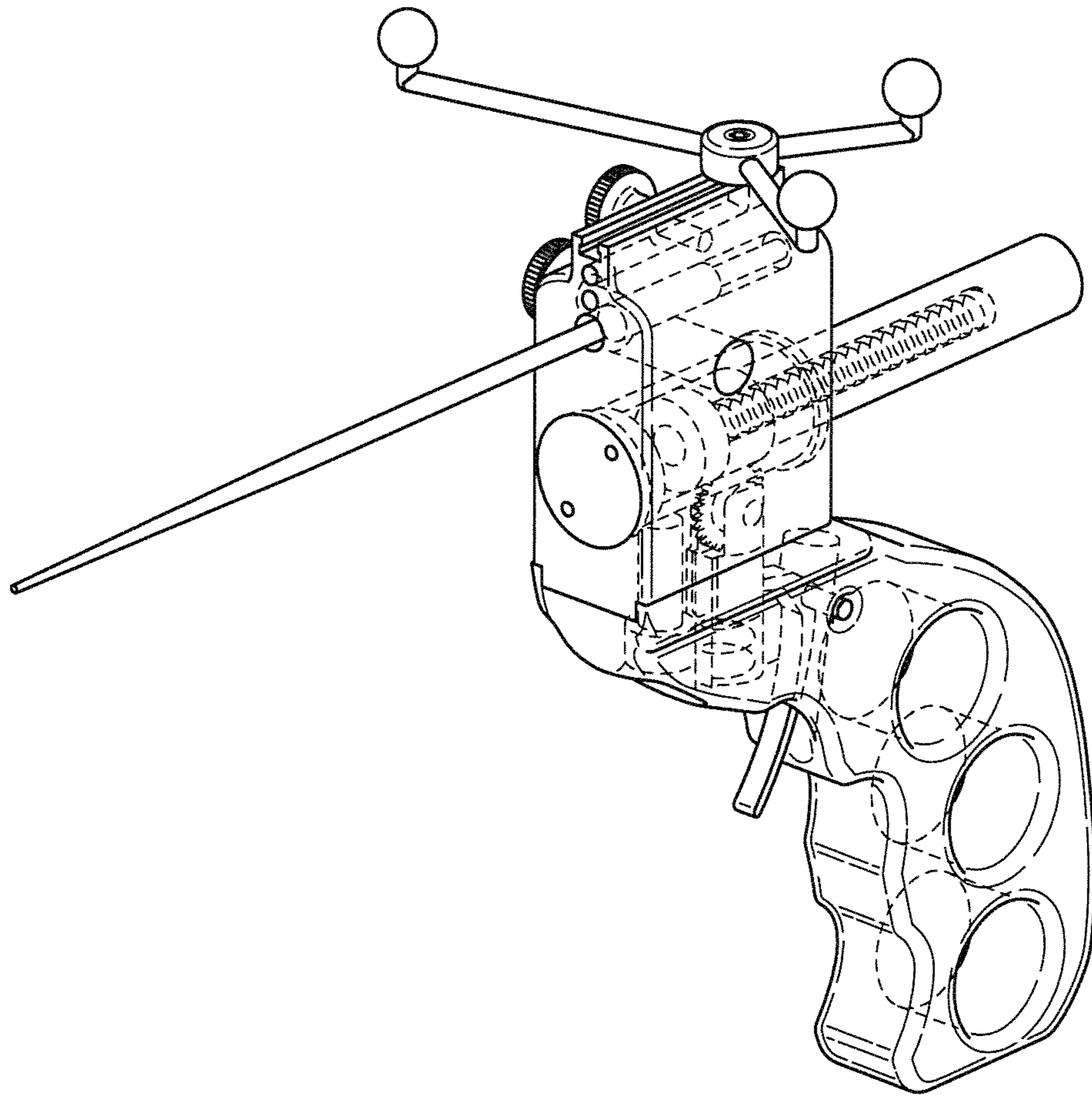


FIG. 13

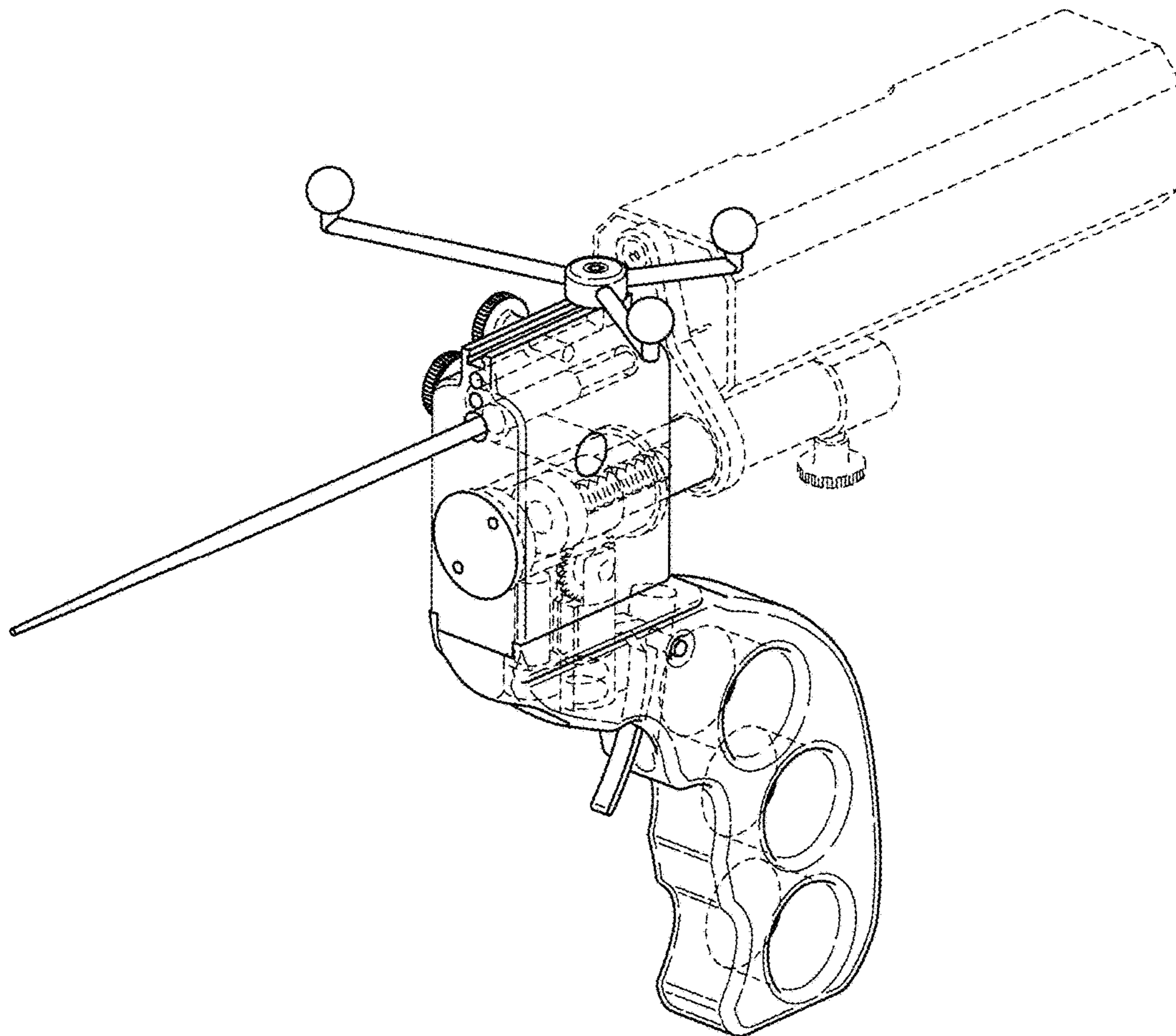


FIG. 14

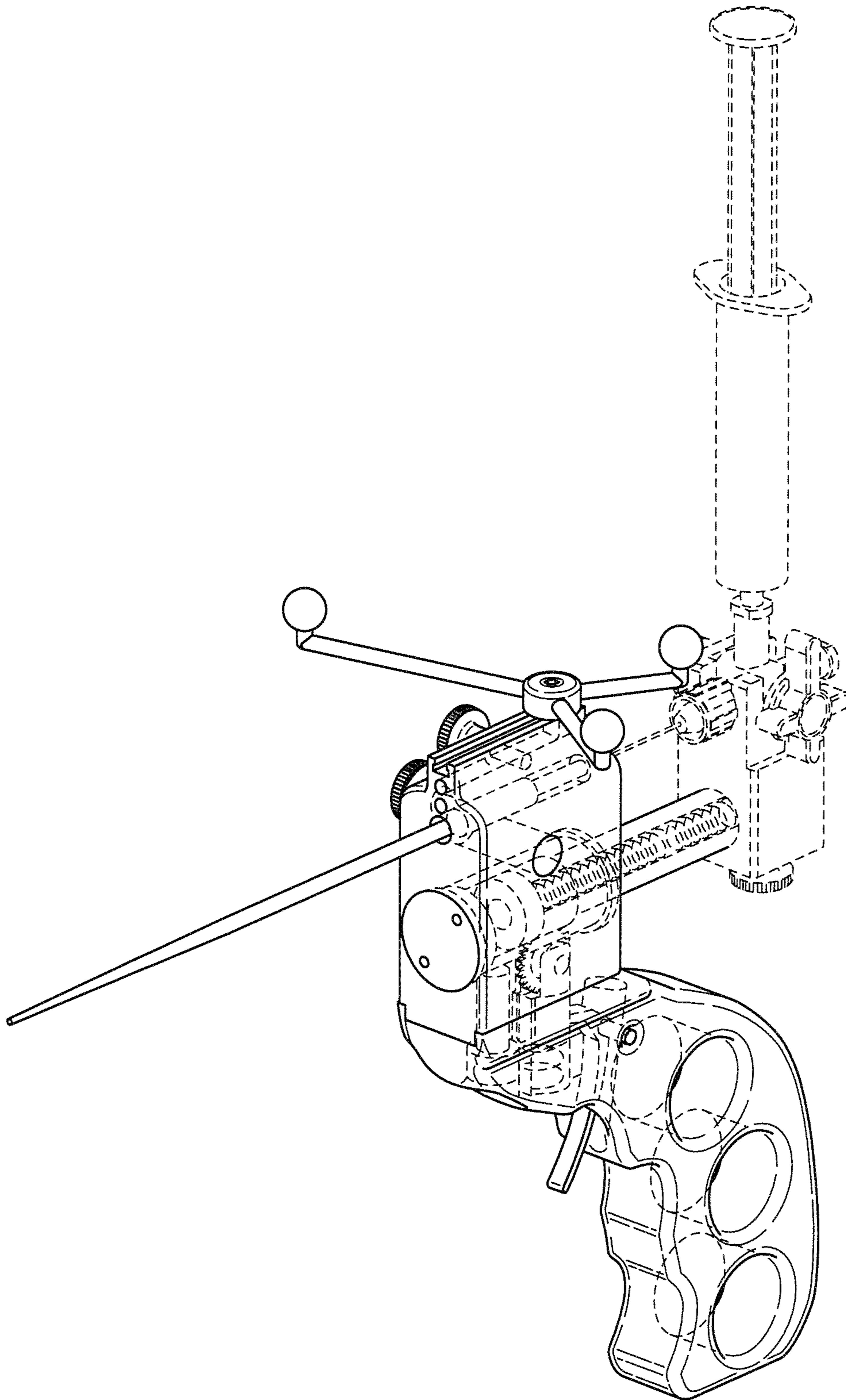


FIG. 15

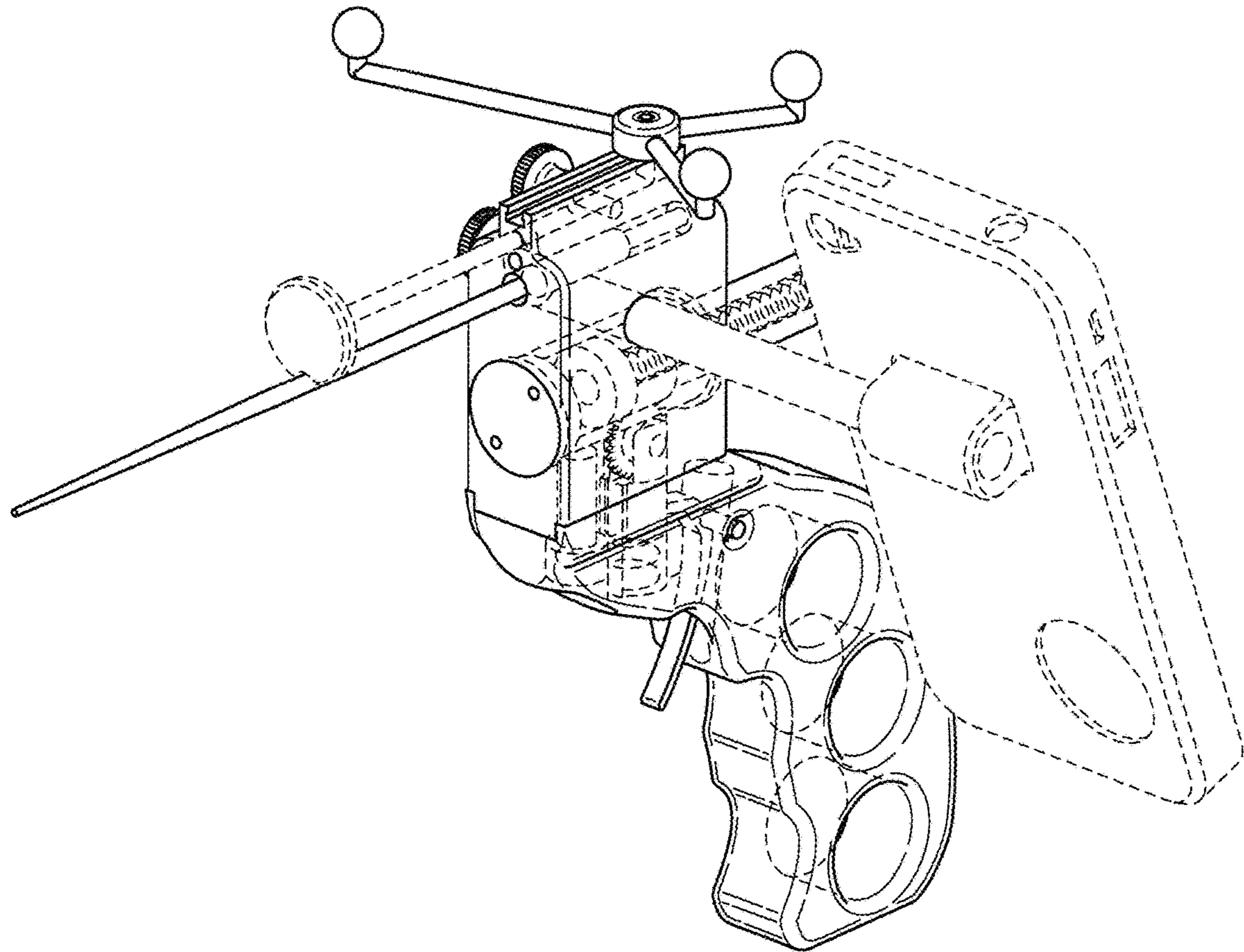


FIG. 16

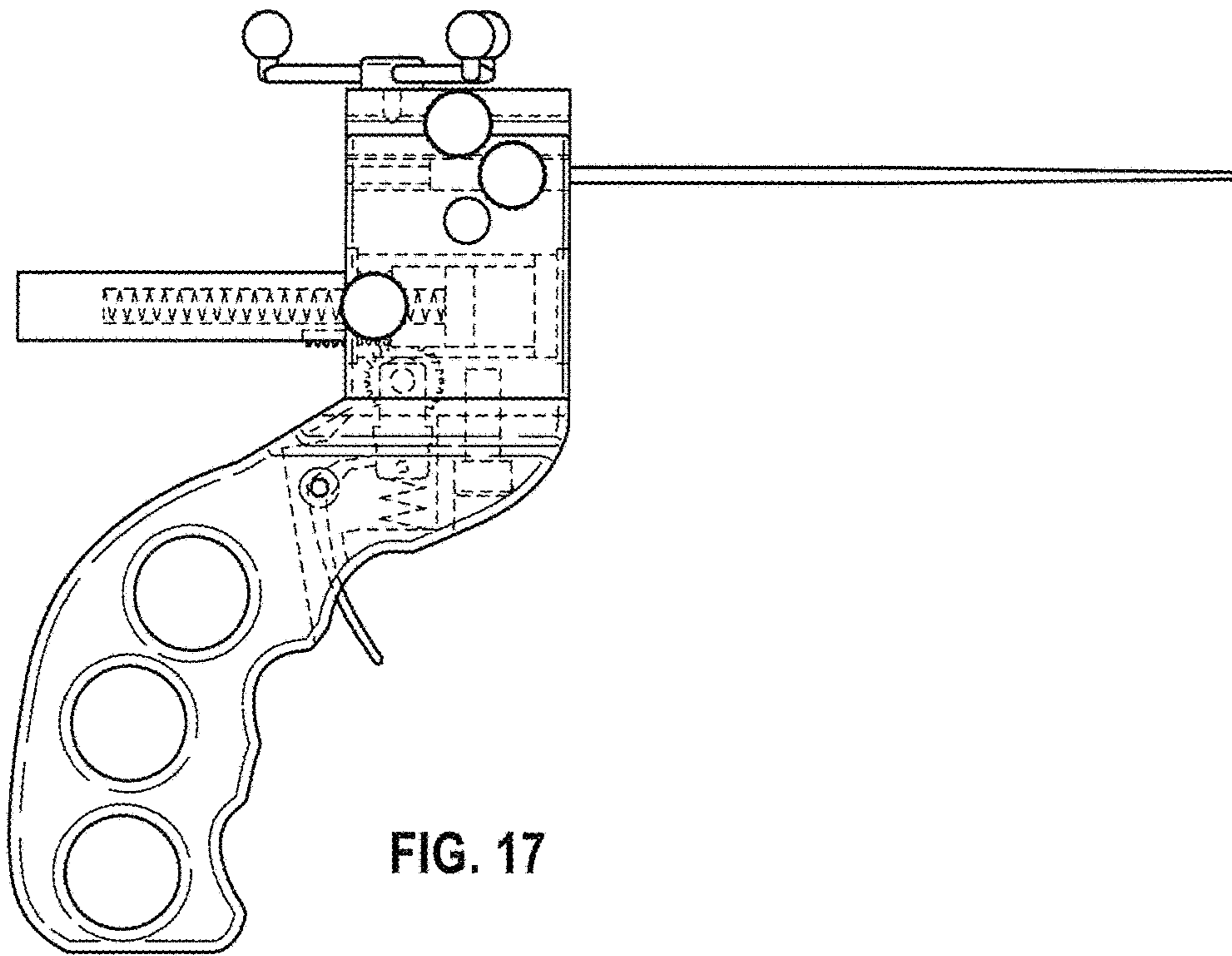


FIG. 17

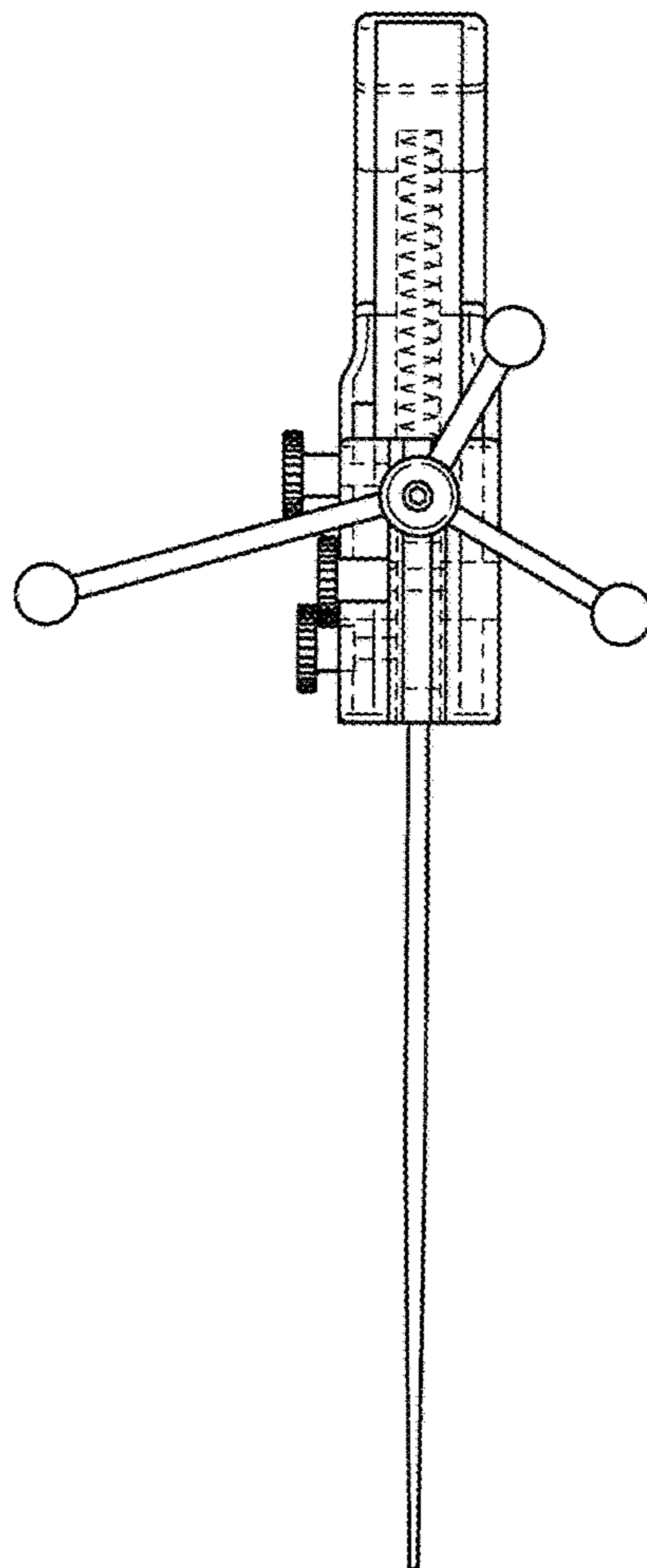


FIG. 18

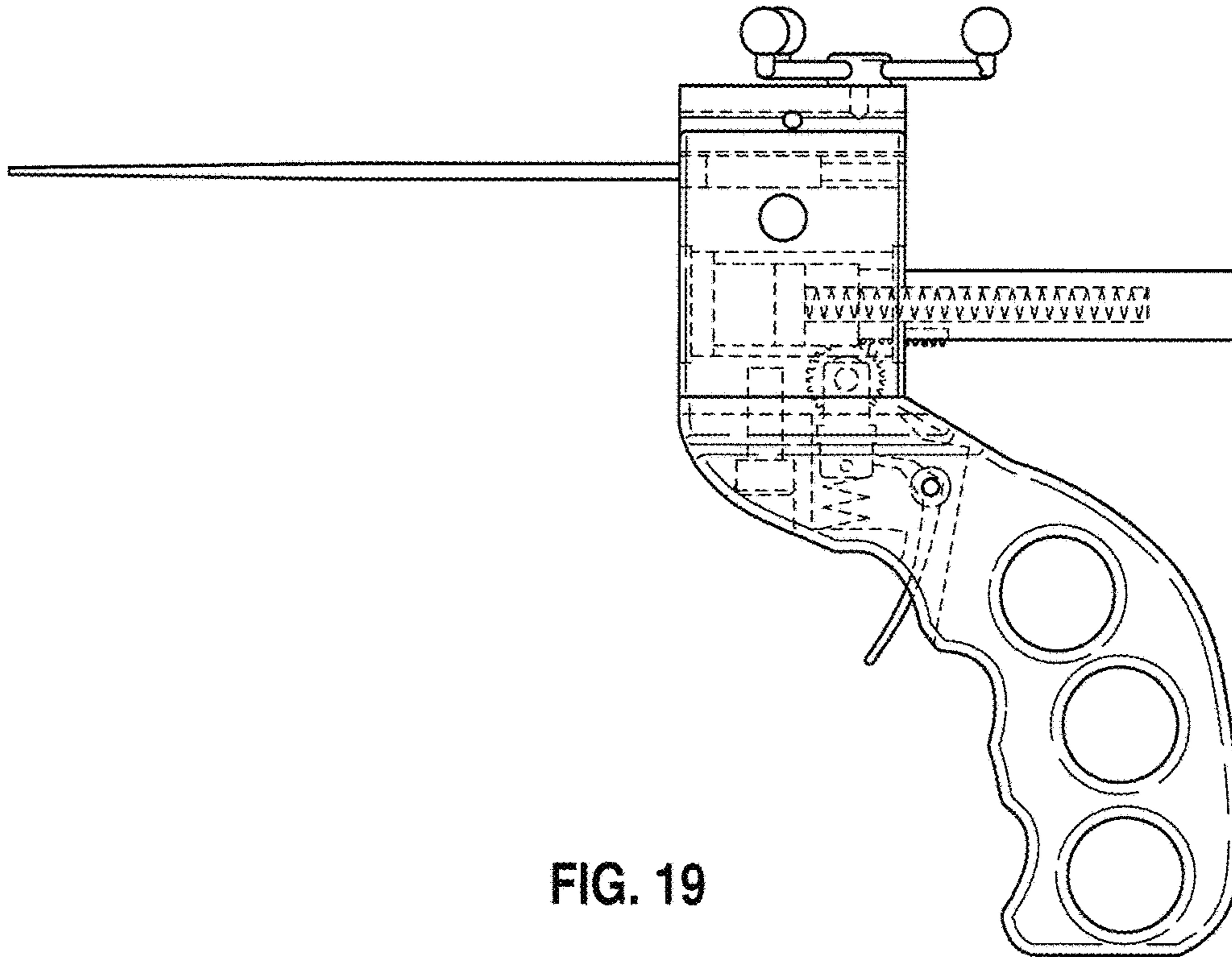


FIG. 19

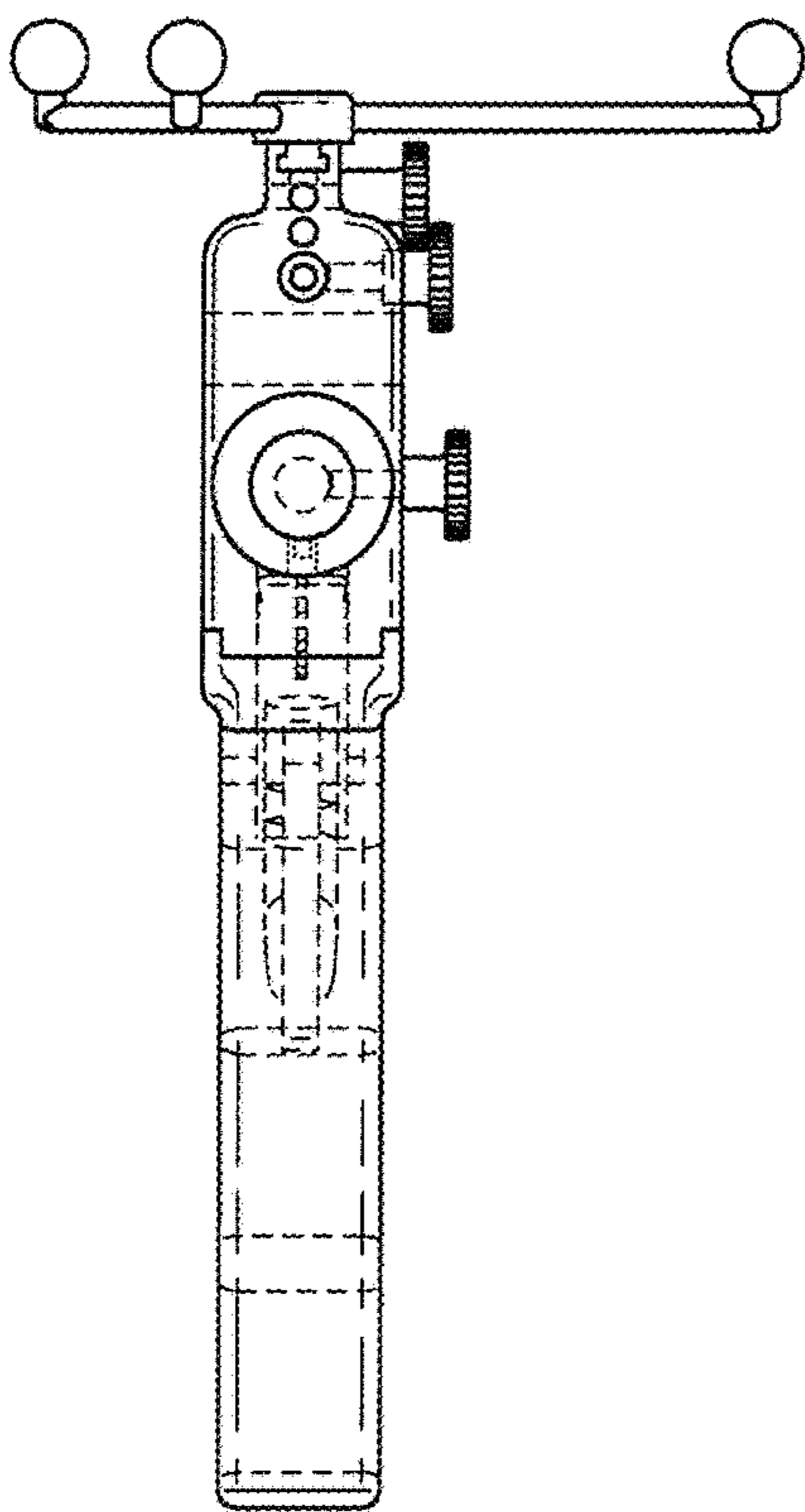


FIG. 20

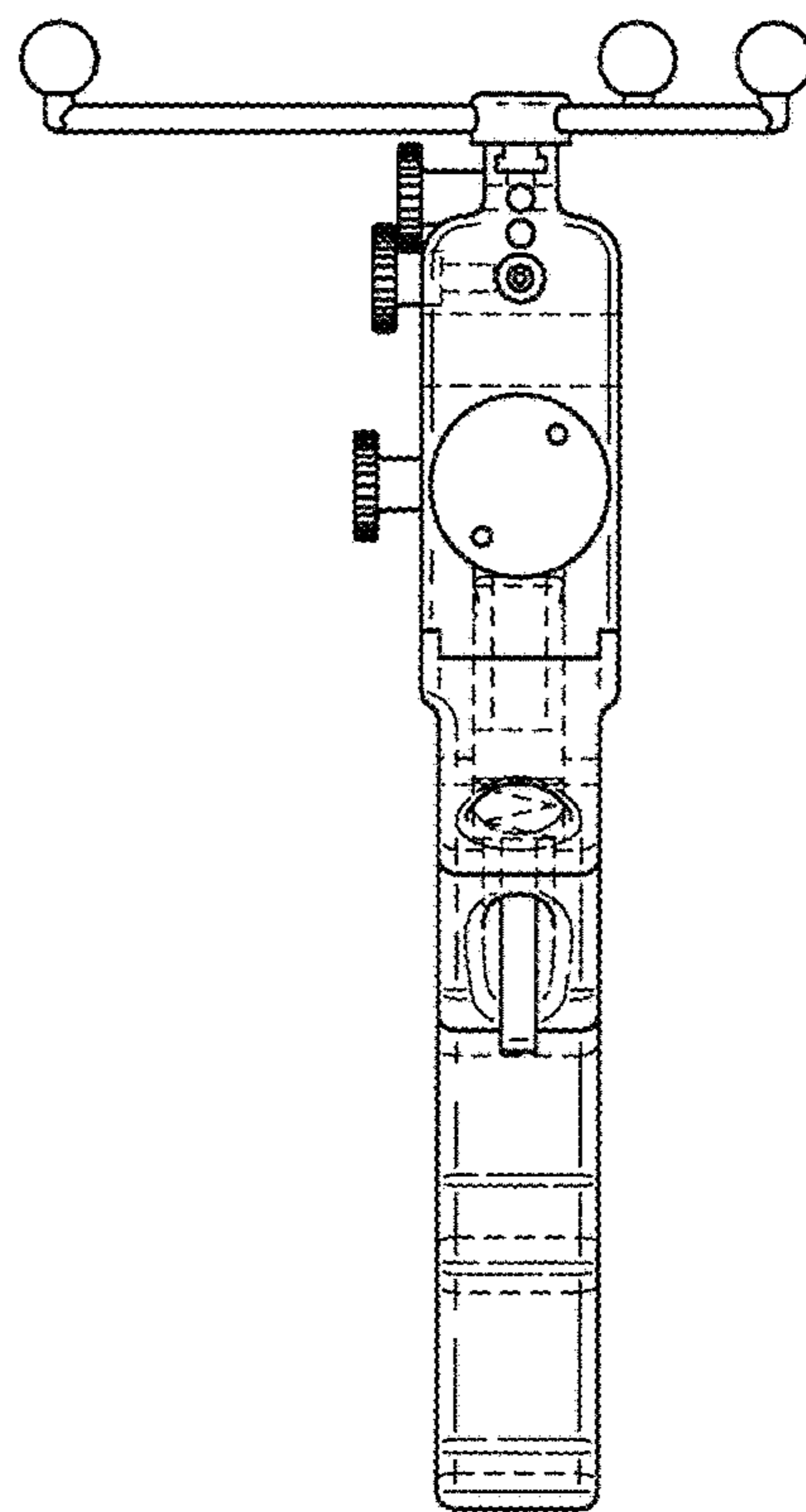


FIG. 21

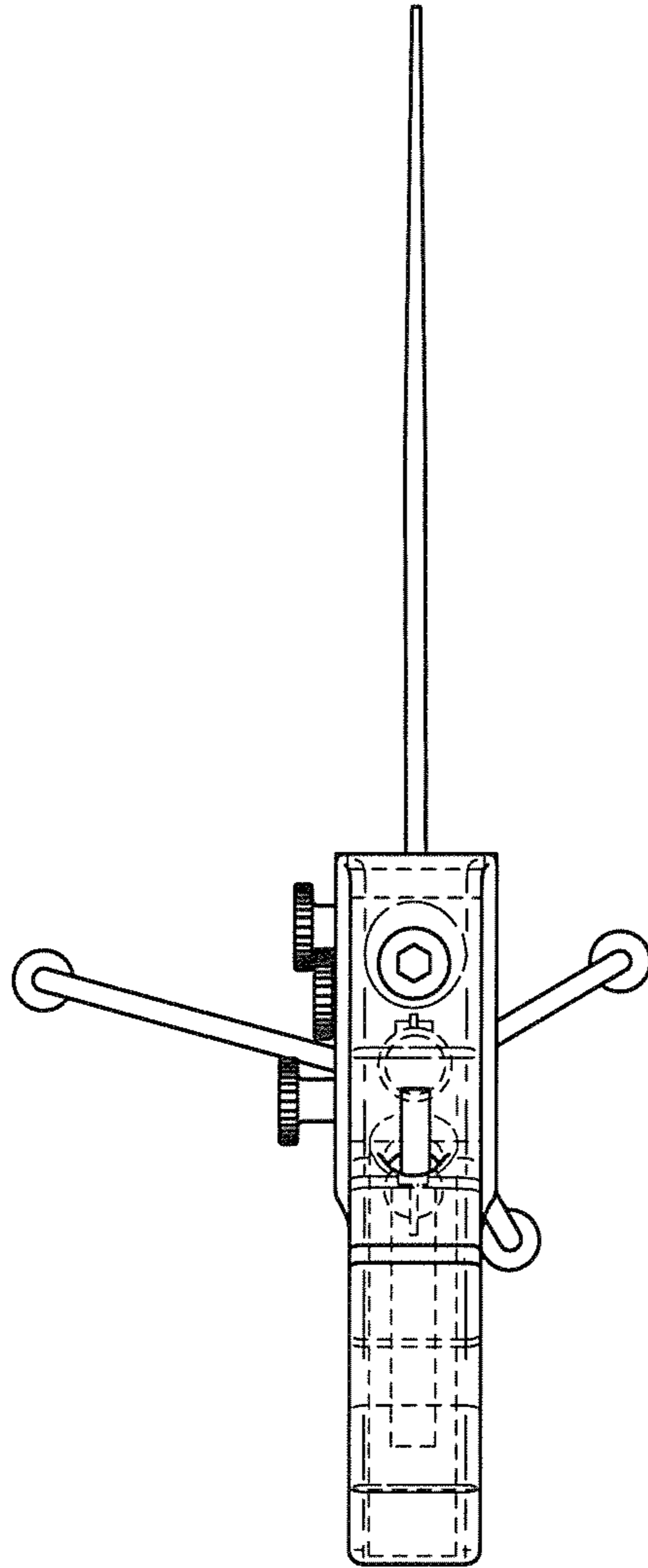


FIG. 22