



US00D937918S

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

(10) **Patent No.:** **US D937,918 S**

(45) **Date of Patent:** **\*\* Dec. 7, 2021**

(54) **CONTROLLING APPARATUS FOR  
SOLDERING**

(71) Applicant: **Guangzhou Yihua Electronic  
Equipment Co., Ltd., Guangdong (CN)**

(72) Inventor: **Mingkang Gou, Guangdong (CN)**

(73) Assignee: **Guangzhou Yihua Electronic  
Equipment Co., Ltd., Guangdong (CN)**

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

(21) Appl. No.: **29/748,329**

(22) Filed: **Aug. 28, 2020**

(51) **LOC (13) Cl.** ..... **15-09**

(52) **U.S. Cl.**  
USPC ..... **D15/144.2**

(58) **Field of Classification Search**  
USPC ..... D8/29, 29.1, 29.2, 30, 71; D10/46, 50,  
D10/78; D13/123, 133; D14/126;  
D15/122, 123, 127, 144, 144.1, 144.2  
CPC ..... B23K 3/0338; B23K 3/2214; G02B  
27/2214; G02B 6/06  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D428,427 S	*	7/2000	Neef	.....	D15/144.2
D829,790 S	*	10/2018	Gou	.....	D15/144
D831,715 S	*	10/2018	Gou	.....	D15/144
D831,716 S	*	10/2018	Gou	.....	D15/144
D831,717 S	*	10/2018	Gou	.....	D15/144
D911,403 S	*	2/2021	Gou	.....	D15/144.2

D911,404 S	*	2/2021	Gou	.....	D15/144.2
D912,112 S	*	3/2021	Gou	.....	D15/144.2
D912,113 S	*	3/2021	Gou	.....	D15/144.2
D916,154 S	*	4/2021	Gou	.....	D15/144.2
D920,403 S	*	5/2021	Gou	.....	D15/144
D920,404 S	*	5/2021	Gou	.....	D15/144
D920,405 S	*	5/2021	Gou	.....	D15/144.2
D928,209 S	*	8/2021	Gou	.....	D15/144.2

\* cited by examiner

*Primary Examiner* — Michael C Stout

*Assistant Examiner* — Fitzgerald L Butac

(74) *Attorney, Agent, or Firm* — Lucas & Mercanti, LLP

(57) **CLAIM**

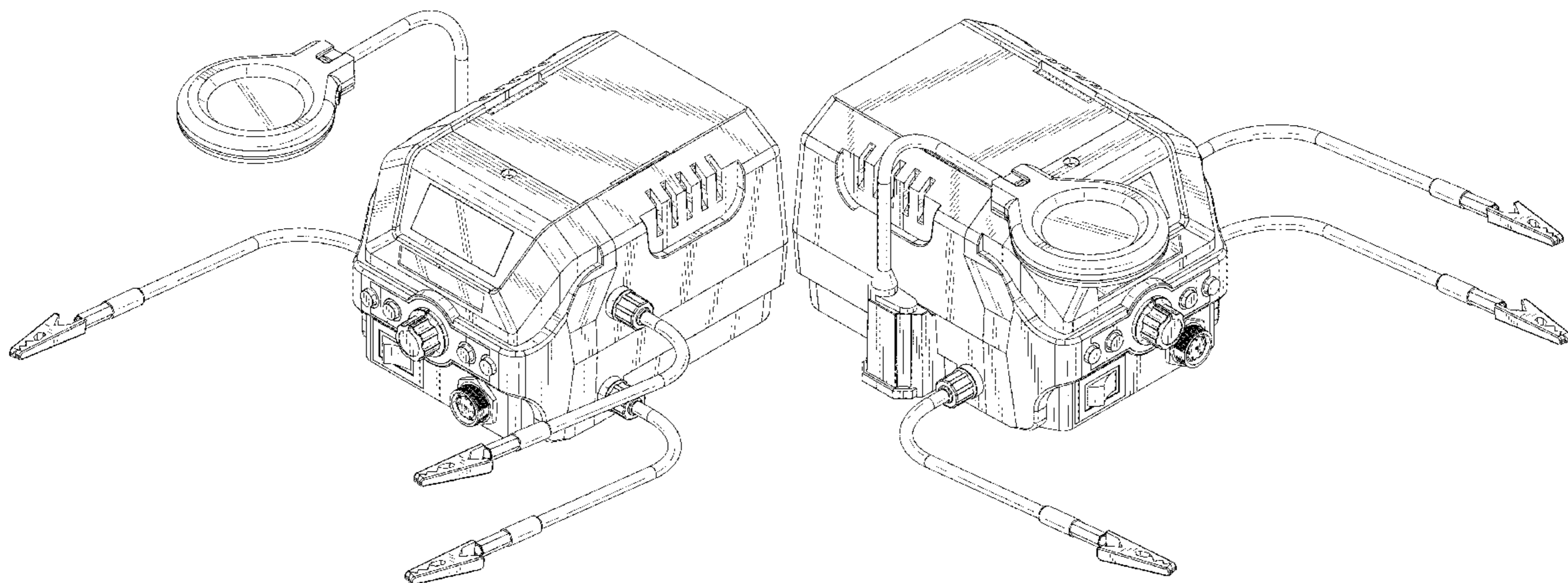
The ornamental design for a controlling apparatus for soldering, as shown and described.

**DESCRIPTION**

FIG. 1 is a top, front, right side perspective view of the controlling apparatus;  
FIG. 2 is a top, front, left side perspective view thereof;  
FIG. 3 is a top, rear, right side perspective view thereof;  
FIG. 4 is a top, rear, left side perspective view thereof;  
FIG. 5 a front view thereof;  
FIG. 6 is a rear view thereof;  
FIG. 7 is a top view thereof;  
FIG. 8 is a bottom view thereof;  
FIG. 9 is a left side view thereof; and,  
FIG. 10 is a right side view thereof.

The broken lines show portions of a controlling apparatus for soldering which forms no part of the claimed design.

**1 Claim, 10 Drawing Sheets**



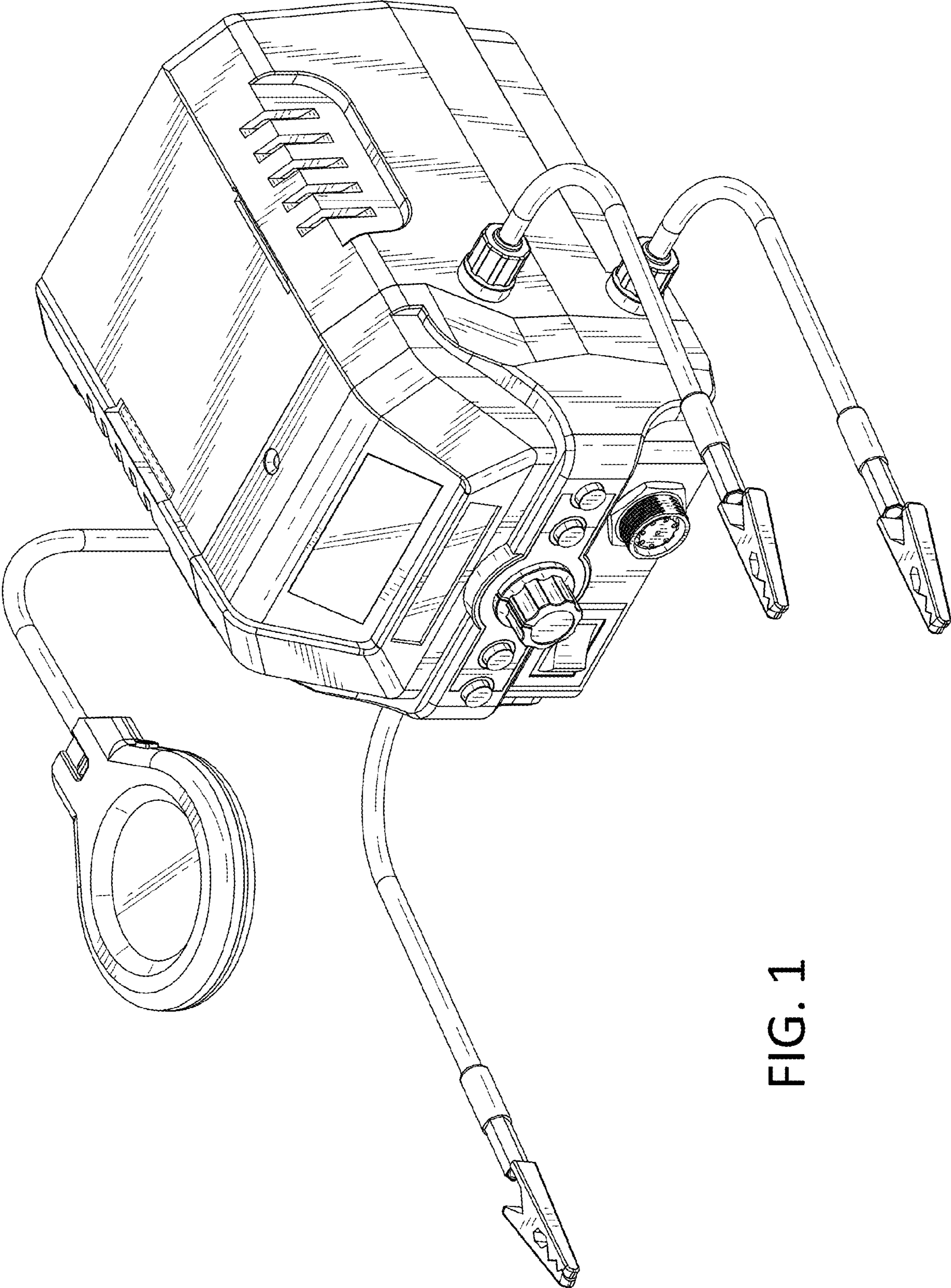


FIG. 1

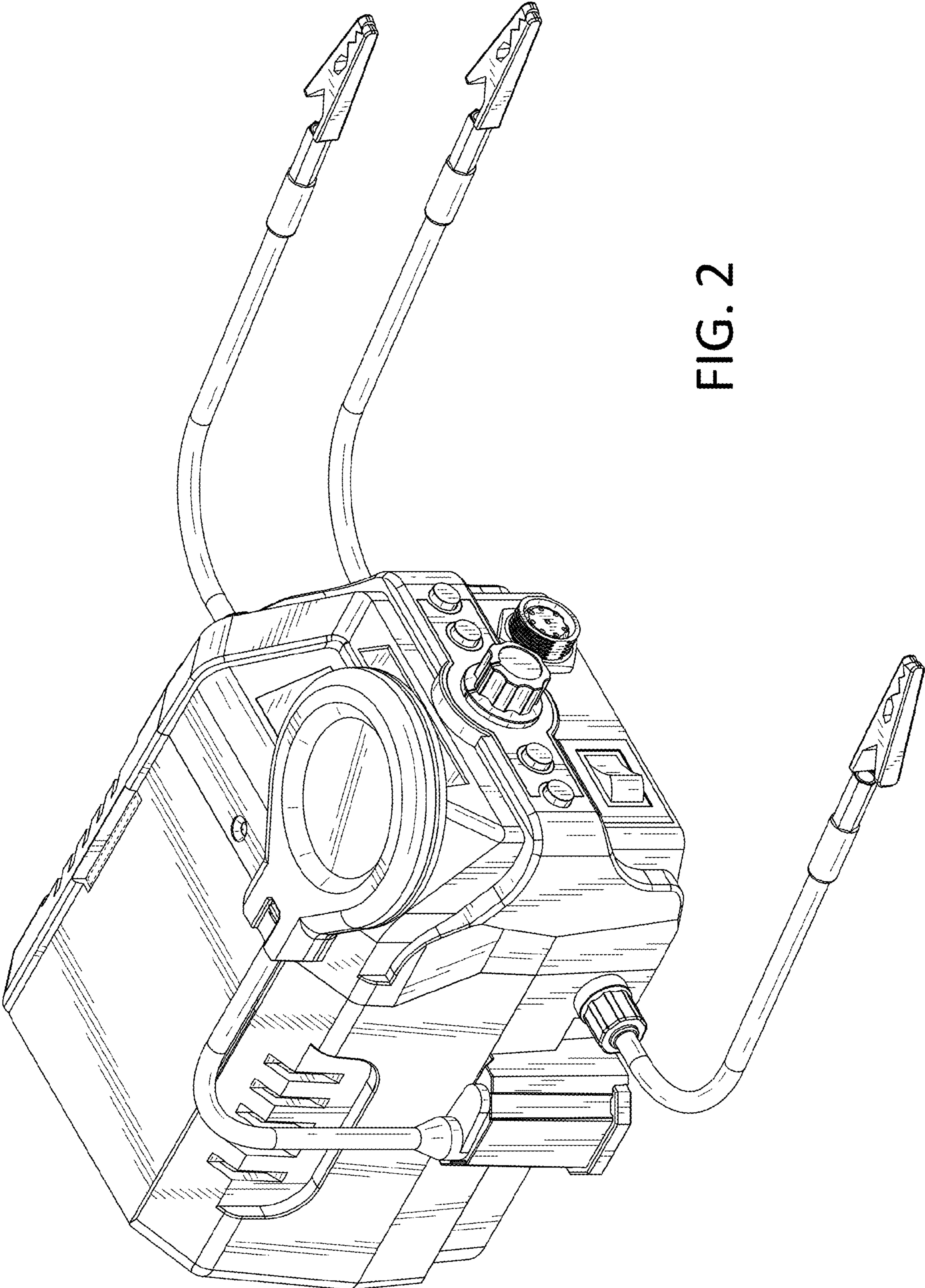


FIG. 2

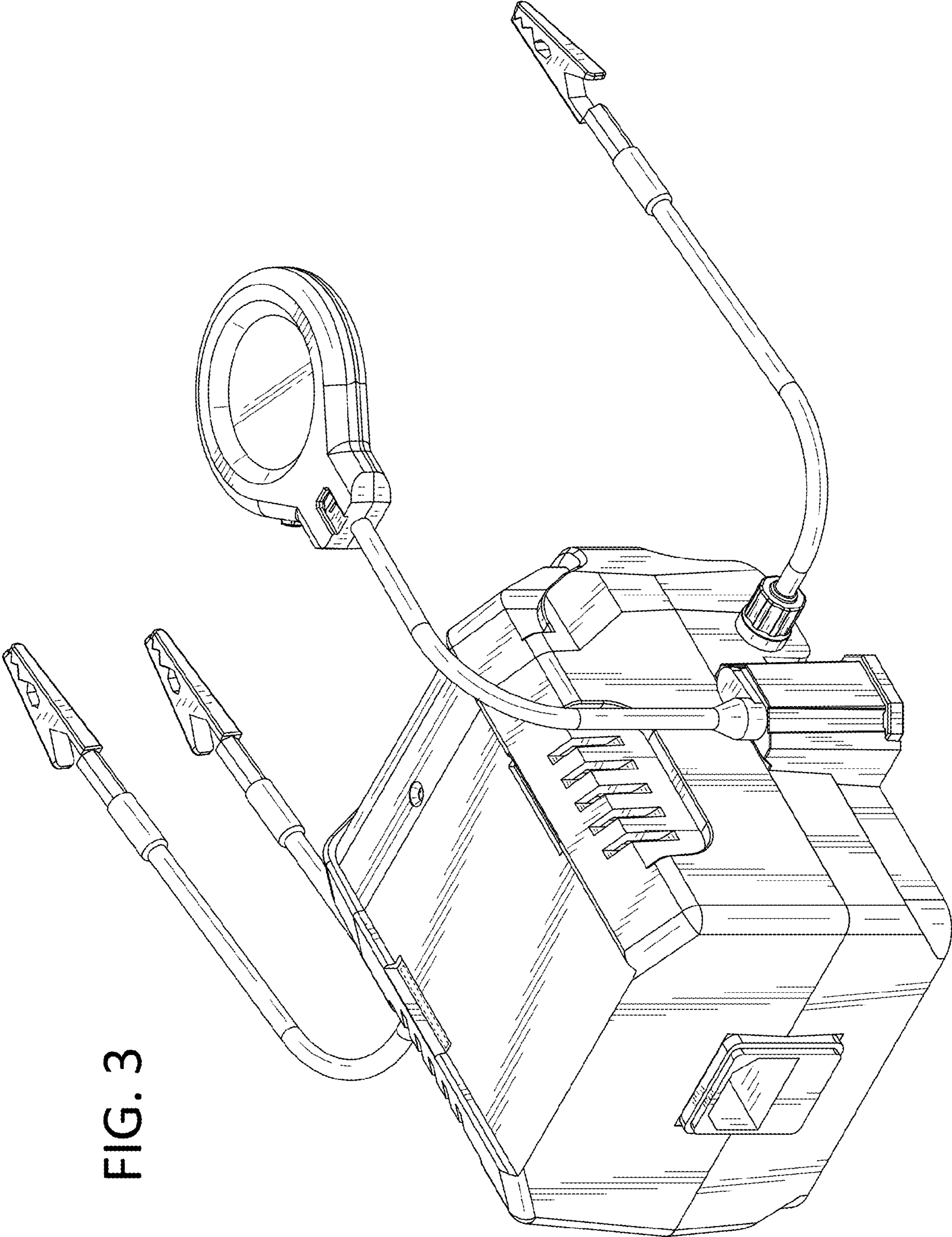


FIG. 3

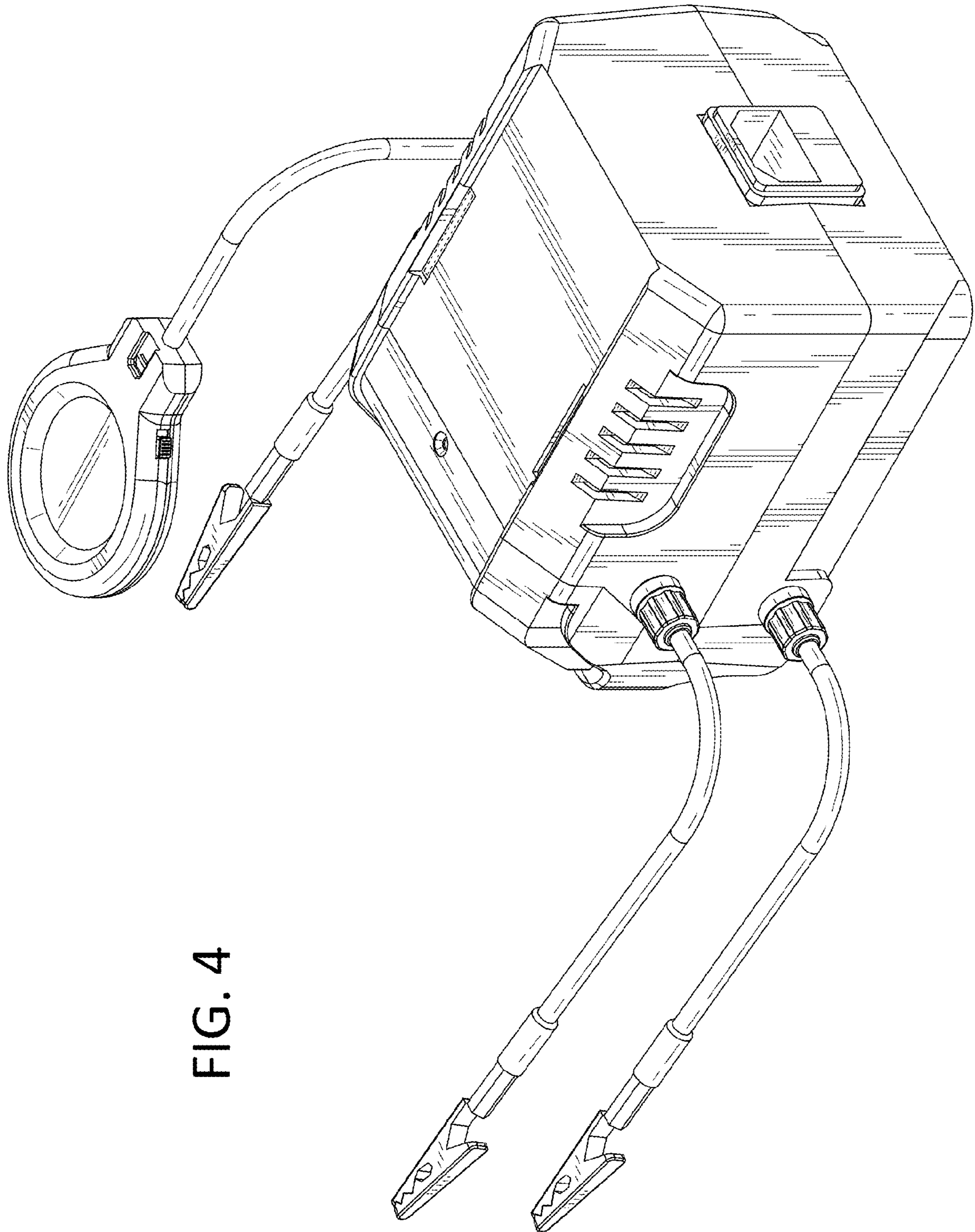


FIG. 4

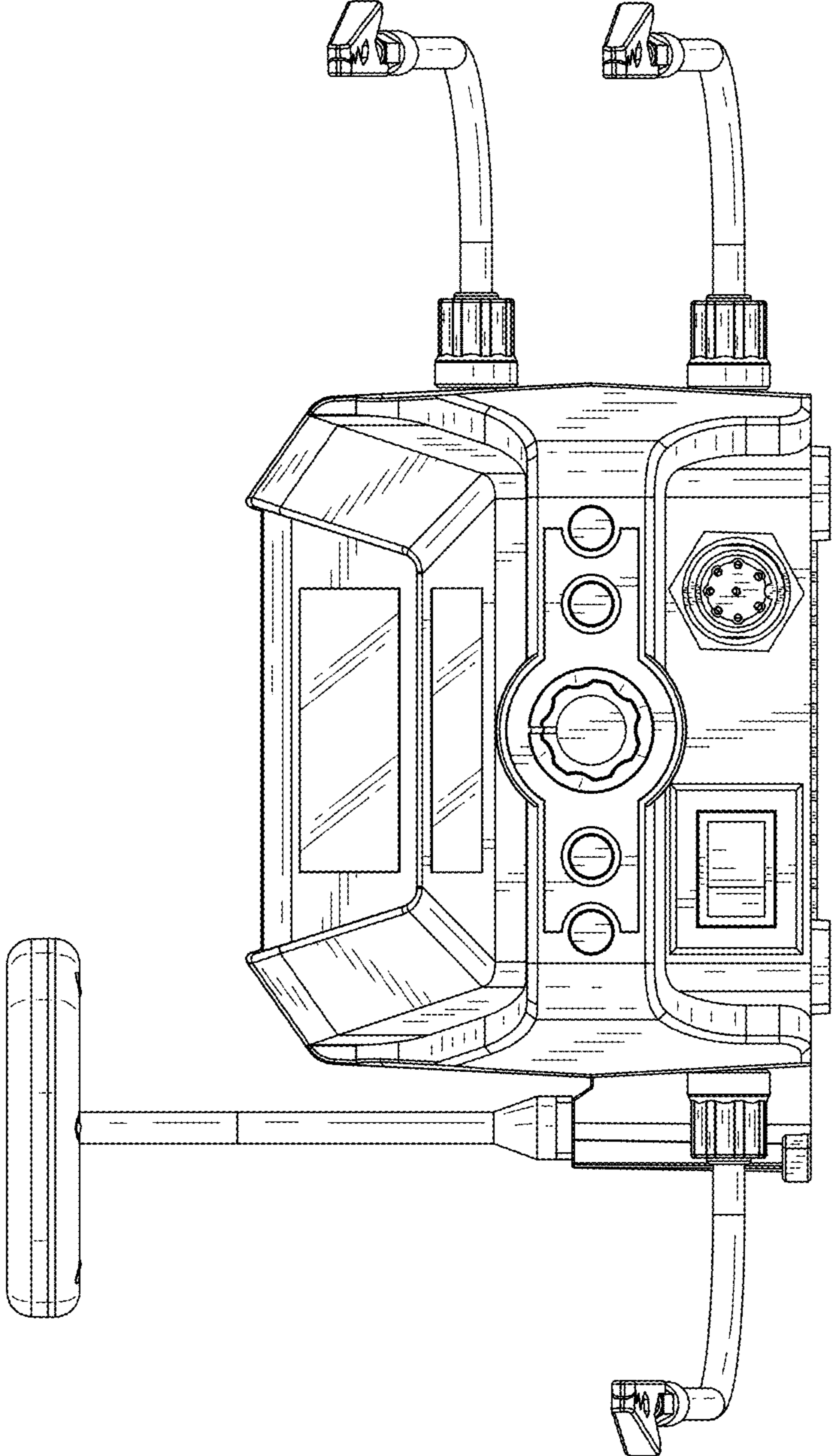


FIG. 5

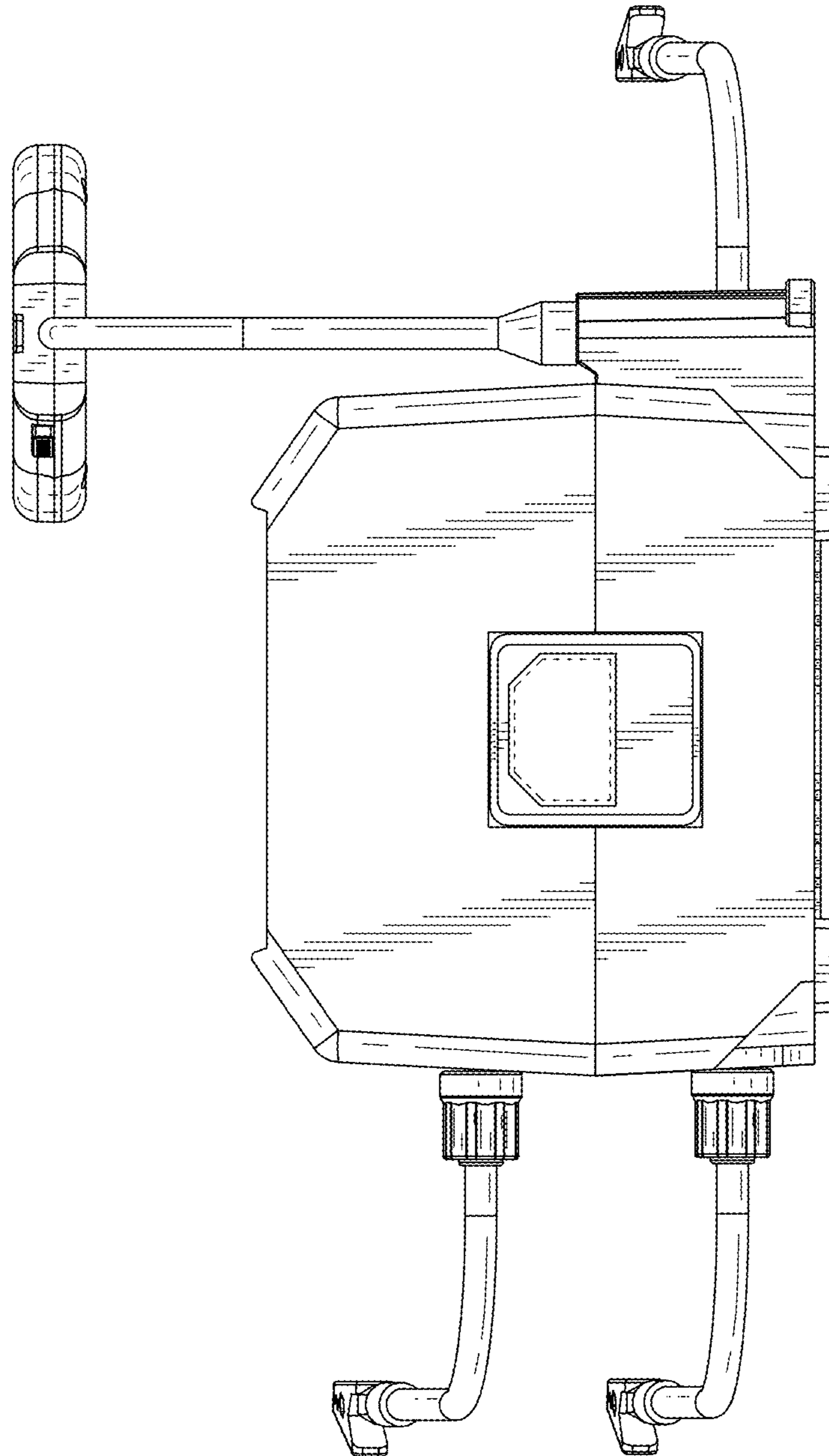


FIG. 6

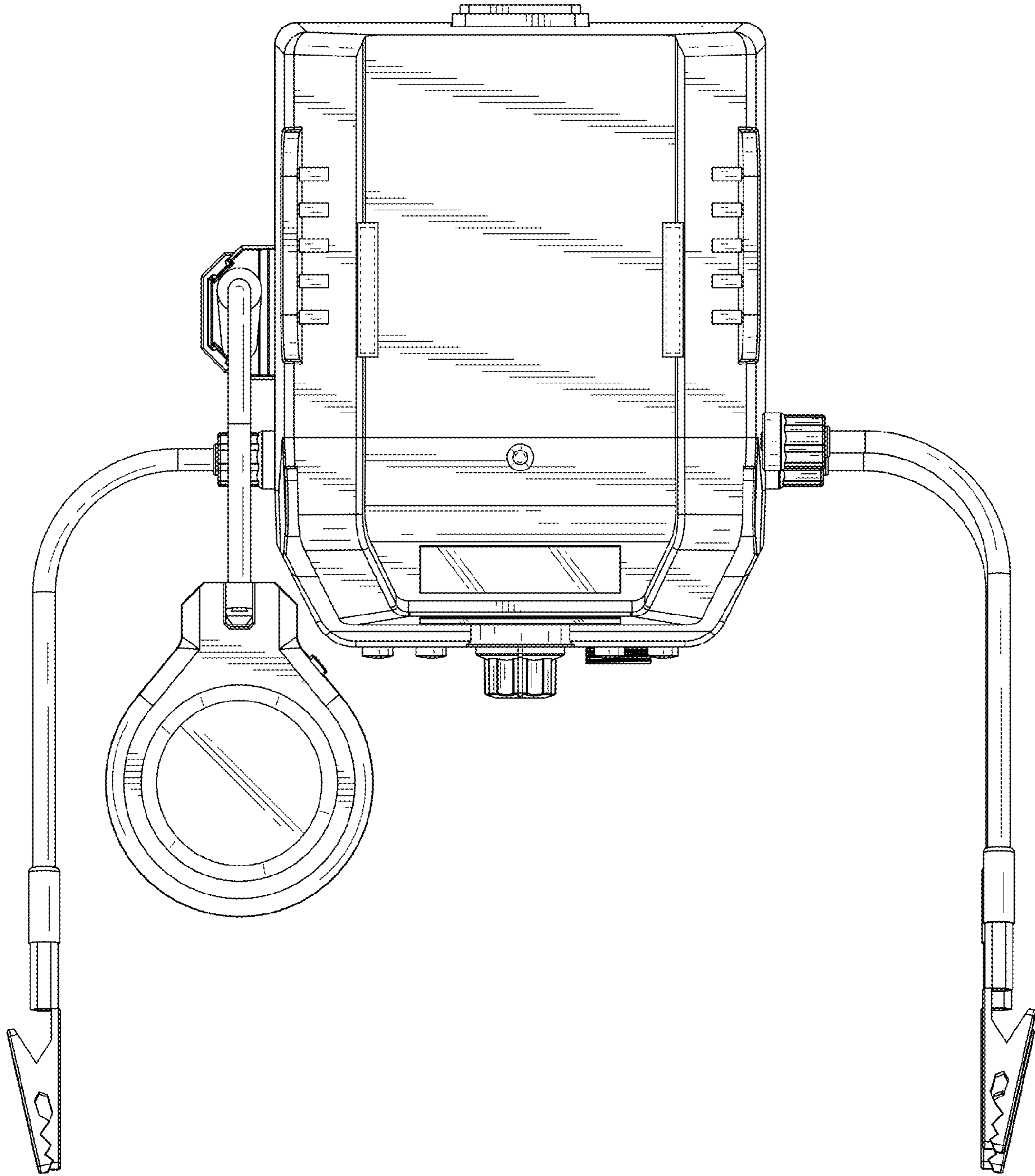


FIG. 7



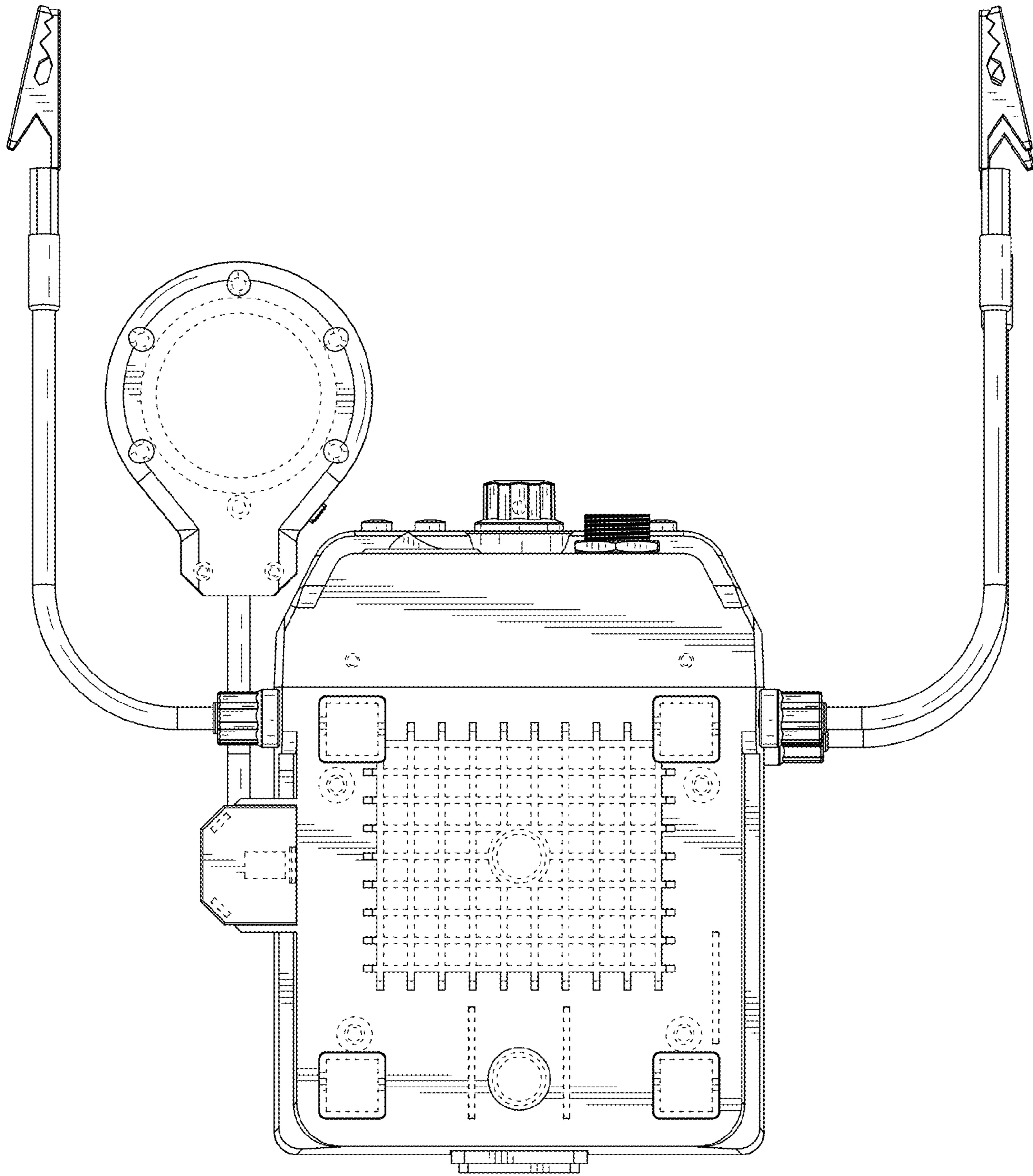


FIG. 8

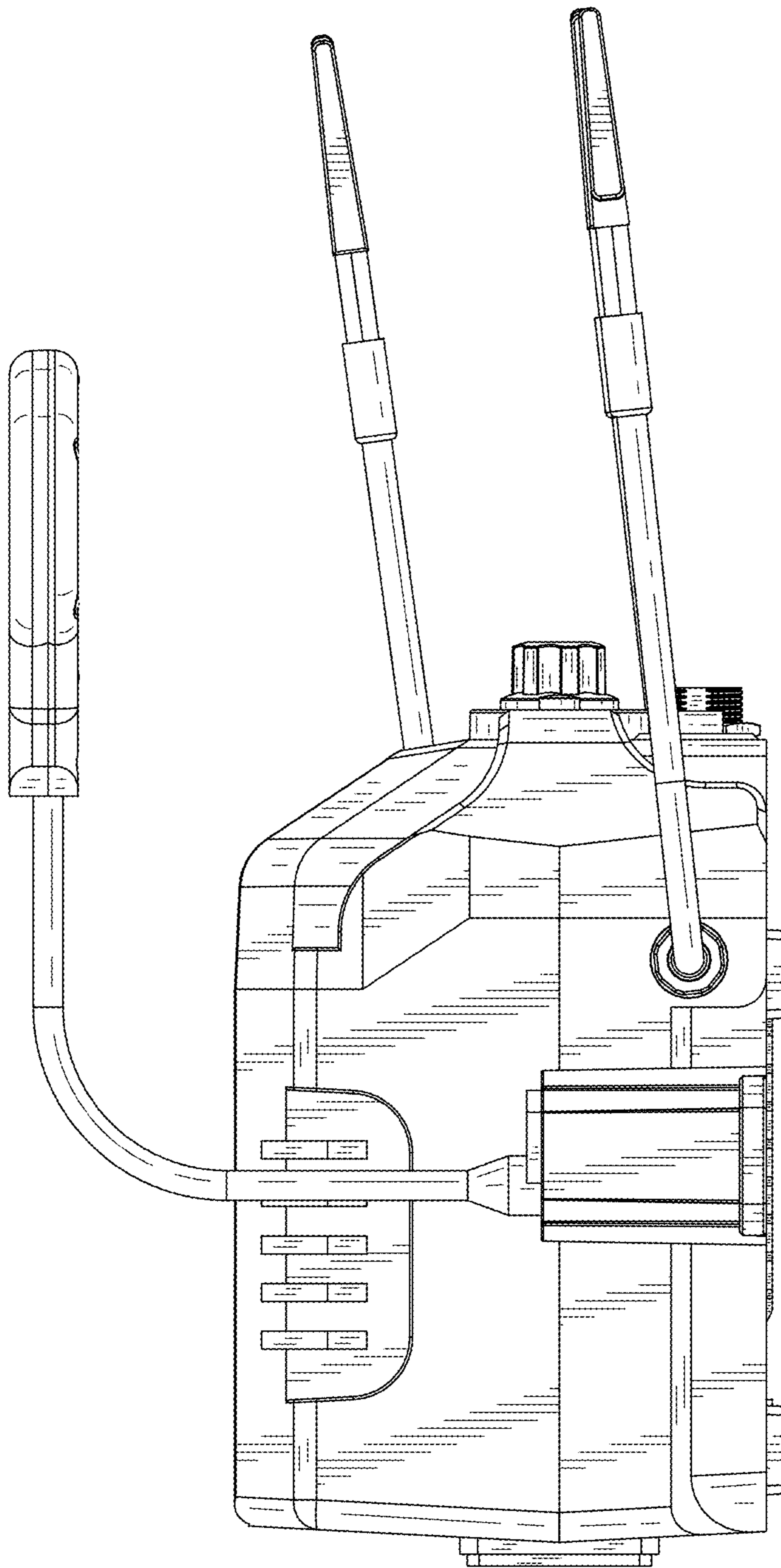


FIG. 9

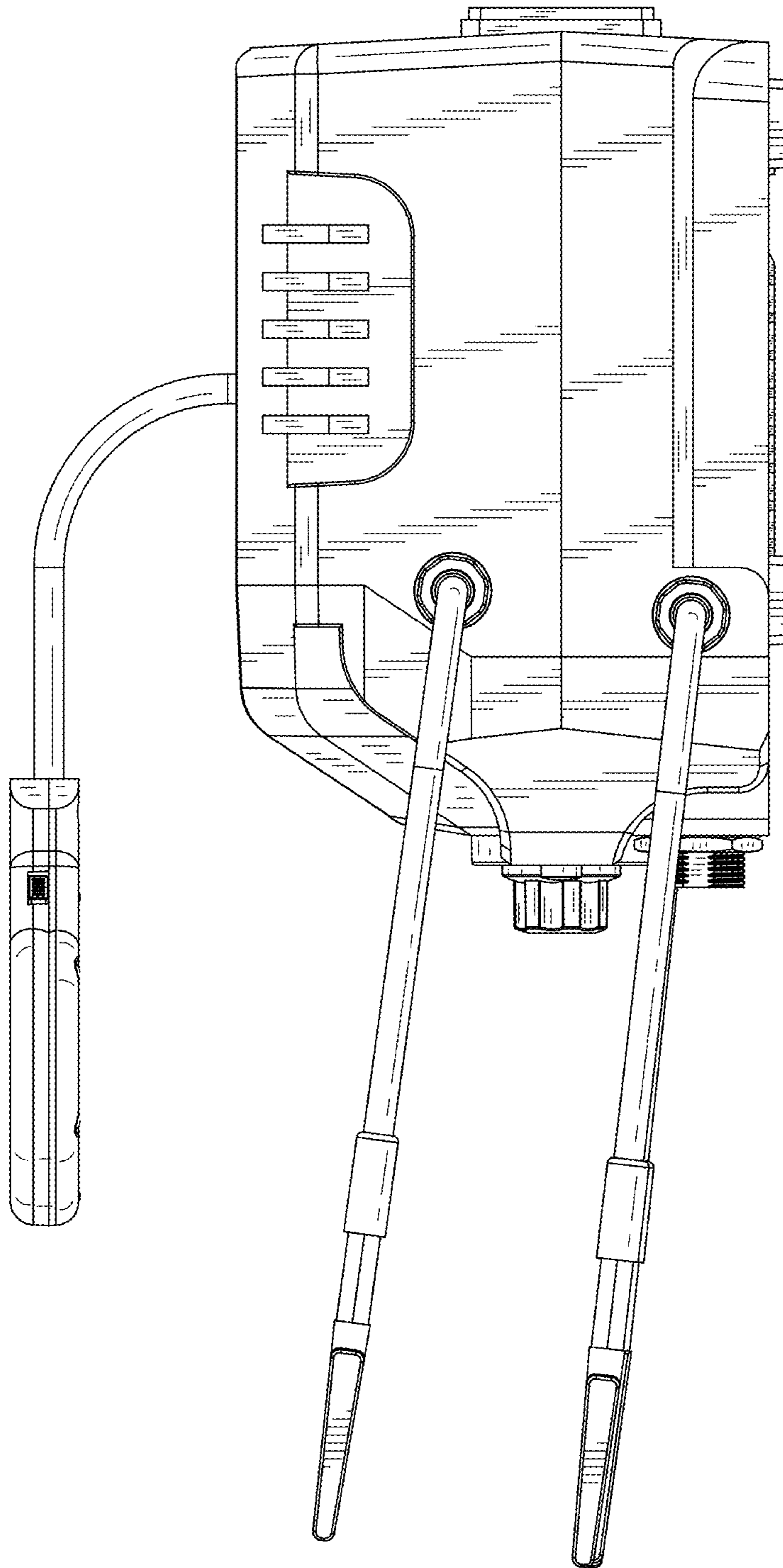


FIG. 10