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(12) United States Design Patent

Huang

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(54) **DETECTOR FOR METAL**

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

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(52) **U.S. Cl.**
USPC **D10/47**

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CPC ... G01V 3/00; G01V 3/02; G01V 3/04; G01V 3/06; G01V 3/08; G01V 3/081; G01V 3/082; G01V 3/083; G01V 2003/084; G01V 2003/085; G01V 2003/086; G01V 3/087; G01V 3/088; G01V 3/10; G01V 3/101; G01V 3/102; G01V 3/104; G01V 3/105; G01V 3/107; G01V 3/108; G01V 3/12; G01V 3/14; G01V 3/15; G01V 3/16; G01V 3/165; G01V 3/17; G01V 3/175; G01V 3/18; G01V 3/20; G01V 3/22; G01V 3/24; G01V 3/26; G01V 3/265; G01V 3/28; G01V 3/30; G01V 3/32; G01V 3/34; G01V 3/36; G01V 3/38; G01V 3/40
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D533,792	S *	12/2006	Johnson	H04R 1/028	D10/47
D605,956	S *	12/2009	Hu	H04R 1/028	D10/47
7,940,049	B2 *	5/2011	Loubet	G01V 3/15	324/326
D690,213	S *	9/2013	Walsh	G01S 13/885	D10/47
8,842,035	B2 *	9/2014	Duvoisin, III	G01S 13/885	342/22
9,021,661	B2 *	5/2015	Andel	B25G 1/04	16/429
9,041,401	B2 *	5/2015	Andel	B25G 1/04	324/326
9,082,269	B2 *	7/2015	Olsson	G01V 3/12	
9,209,856	B2 *	12/2015	Barsumian	H04B 1/707	
D756,247	S *	5/2016	Pollock	G01S 13/878	D10/47
9,395,462	B2 *	7/2016	Walsh	G01V 3/10	
9,664,809	B2 *	5/2017	Fry	G01V 3/104	
9,733,353	B1 *	8/2017	Carlson	G01S 13/878	
9,851,466	B2 *	12/2017	Weaver	G01V 3/17	
9,864,089	B2 *	1/2018	Andel	F41H 11/136	
D844,462	S	4/2019	Griffin		

(Continued)

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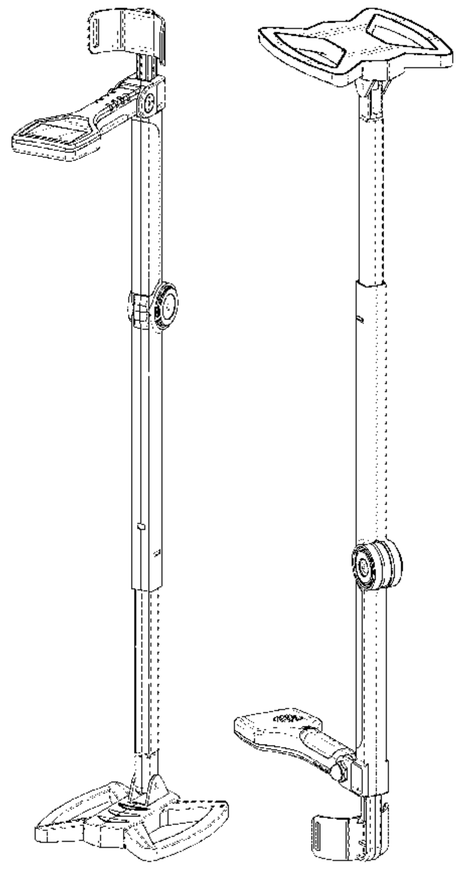
(57) **CLAIM**

The ornamental design for a detector for metal, as shown and described.

DESCRIPTION

FIG. **1** is a front and top perspective view of a detector for metal, showing my new design;
FIG. **2** is a rear and bottom perspective view thereof;
FIG. **3** is a front elevational view thereof;
FIG. **4** is a rear elevational view thereof;
FIG. **5** is a left side elevational view thereof;
FIG. **6** is a right side elevational view thereof;
FIG. **7** is a top plan view thereof;
FIG. **8** is a bottom plan view thereof; and,
FIG. **9** is a perspective view thereof, showing the detector for metal in a folded position.
The broken lines in the figures illustrate portions of the detector for metal that form no part of the claimed design.

1 Claim, 9 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D844,463	S	*	4/2019	Zhang	H04B 1/707 D10/47
D867,170	S	*	11/2019	Deng	G01V 3/10 D10/47
D873,682	S	*	1/2020	Shao	G01V 3/15 D10/47

* cited by examiner

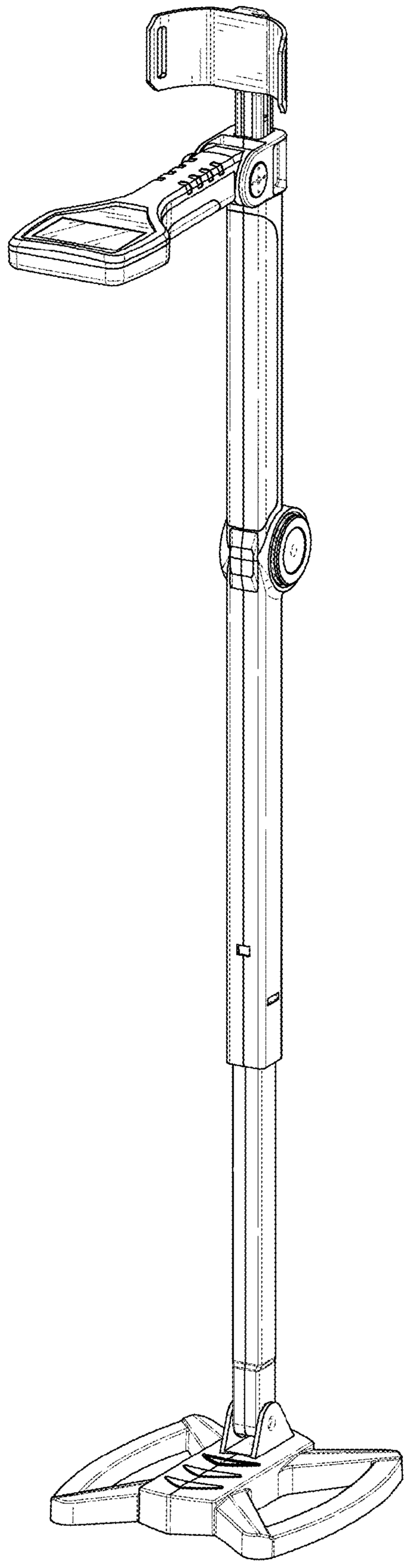


FIG. 1

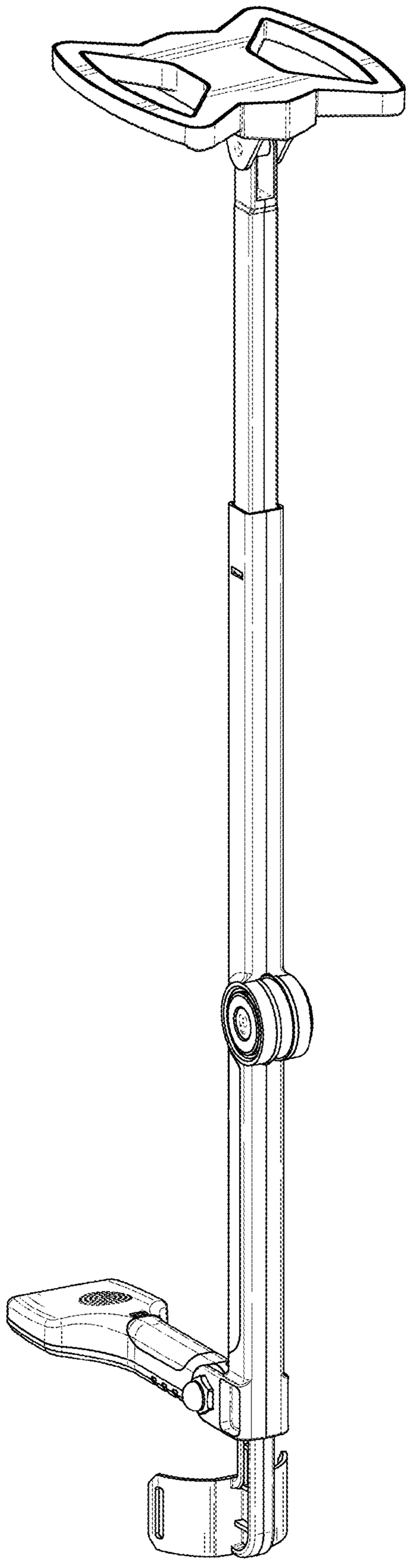


FIG. 2

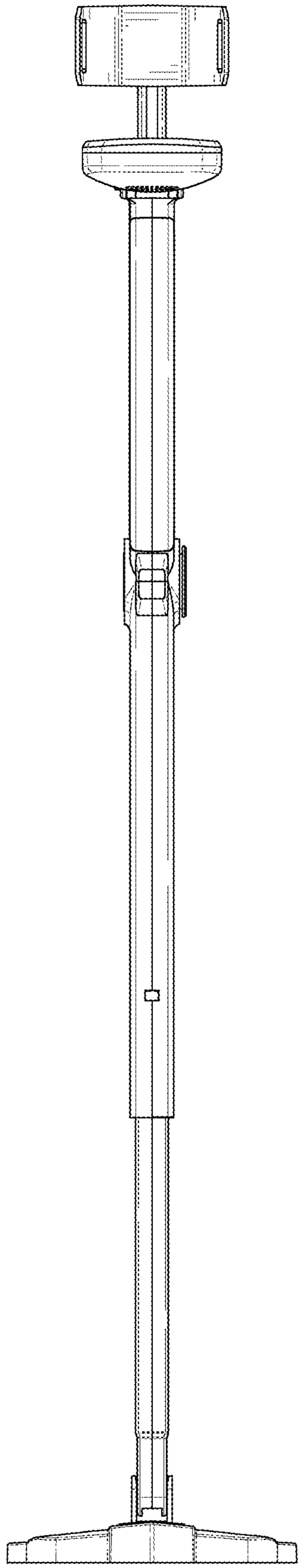


FIG. 3

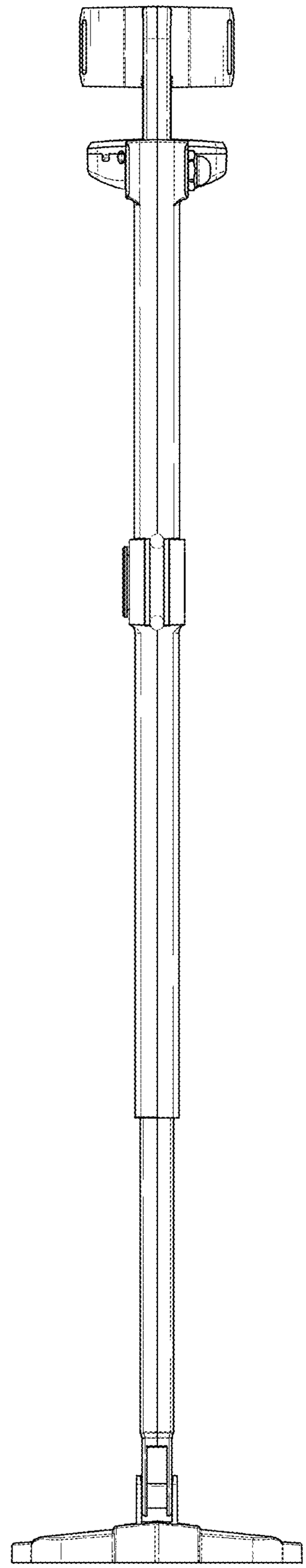


FIG. 4

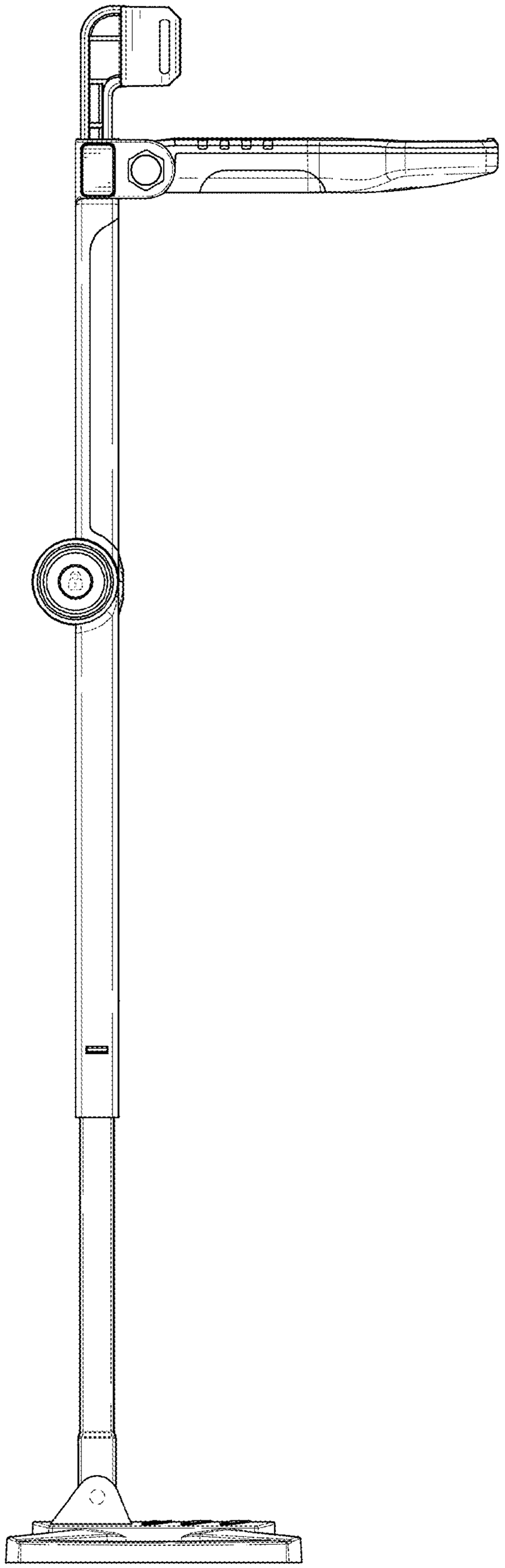


FIG. 5

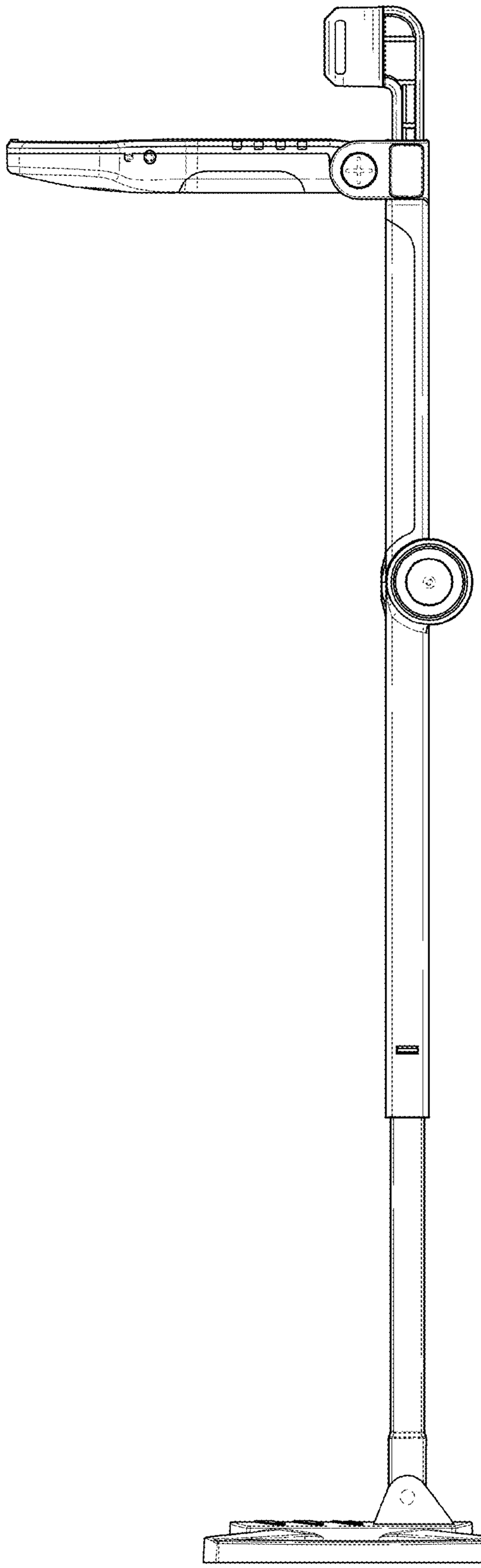


FIG. 6

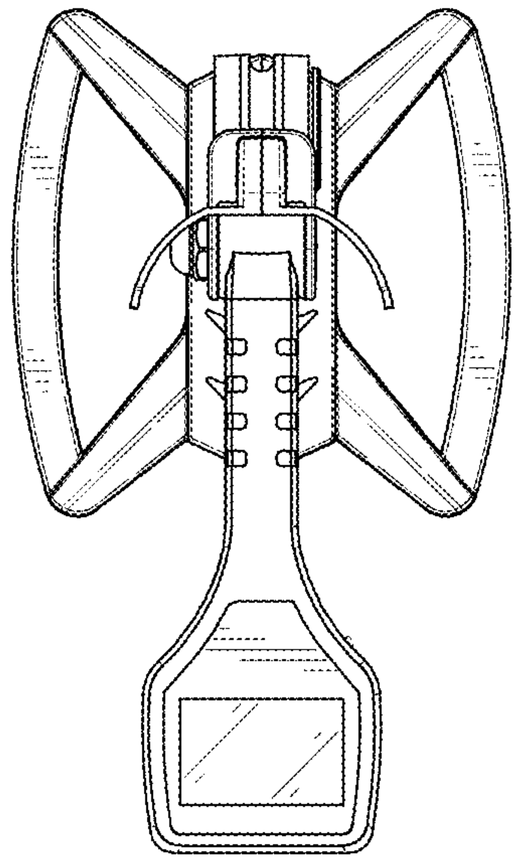


FIG. 7

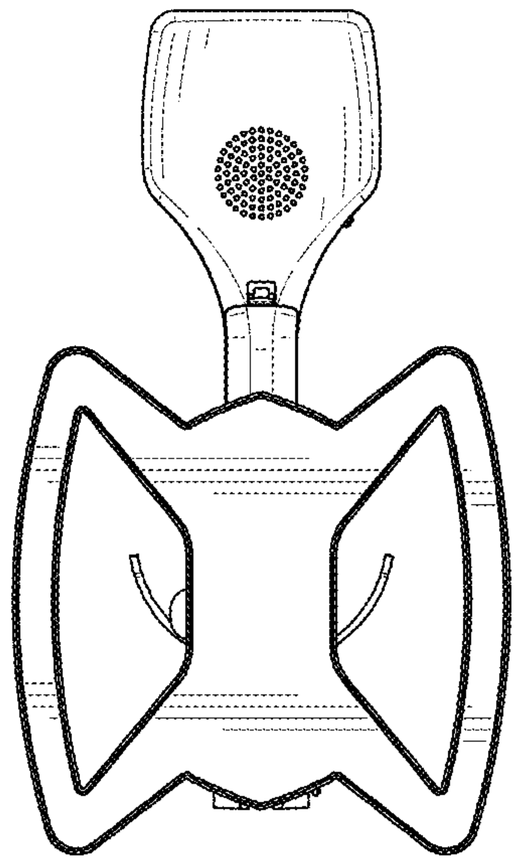


FIG. 8

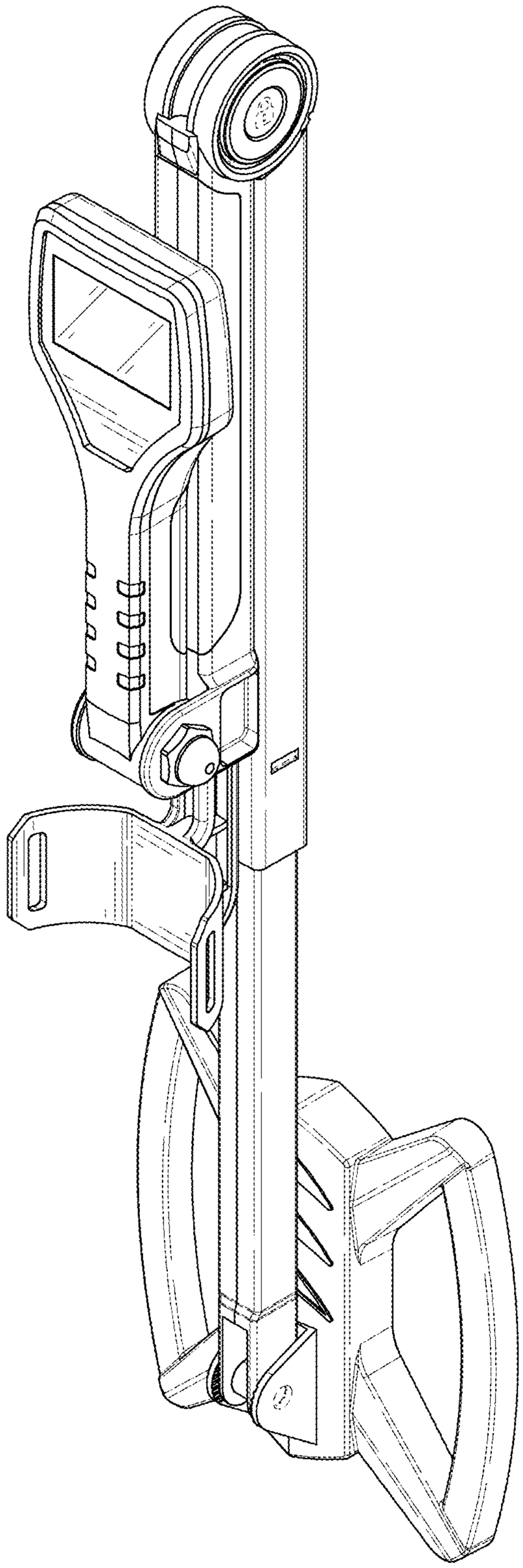


FIG. 9