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(54) CROSSING ARM FOR BUS VEHICLE

(71) Applicant: International Truck Intellectual Property Company, LLC, Lisle, IL (US)

(72) Inventors: David Olsen, Batavia, IL (US); Mitch Auerbach, Plainfield, IL (US); Steve Aris, St. Charles, IL (US); Chris Ito, Sugar Grove, IL (US)

(73) Assignee: International Truck Intellectual Property Company, LLC, Lisle, IL (US)

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(58) Field of Classification Search USPC D12/84, 99, 201, 223 CPC .. B60R 19/48; B60Q 1/46; B60Q 1/50; B60Q 1/26
See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

4,559,518	A *	12/1985	Latta, Jr.	B60Q 1/50 116/28 R
4,697,541	A *	10/1987	Wicker	B60Q 1/50 116/28 R
5,281,948	A *	1/1994	Estrada	B60Q 1/503 340/488
6,227,305	B1 *	5/2001	Sayer	A01B 59/063 280/478.1
6,234,105	B1 *	5/2001	Lamparter	B60R 21/34 116/28 R

6,254,151	B1 *	7/2001	Lamparter	B60R 19/48 116/28 R
10,279,730	B1 *	5/2019	Egan, II	B60Q 1/0088
2004/0232859	A1 *	11/2004	Phillips	B60Q 1/50 318/1

(Continued)

FOREIGN PATENT DOCUMENTS

CA 211335 * 10/2023

OTHER PUBLICATIONS

Unity School Bus Parts, XE278198-SP Defender Series Crossing Arm Base, published Apr. 7, 2021, [retrieved Nov. 27, 2023]. Retrieved from the internet<<https://www.unityparts.com/xe278198-sp-smi-2007-current-ic-defender-series-crossing-arm-base/>> (Year: 2021).*

Primary Examiner — Joseph Kukella
Assistant Examiner — Lavon M. Amerson
(74) Attorney, Agent, or Firm — Mark C. Bach; Umang Khanna

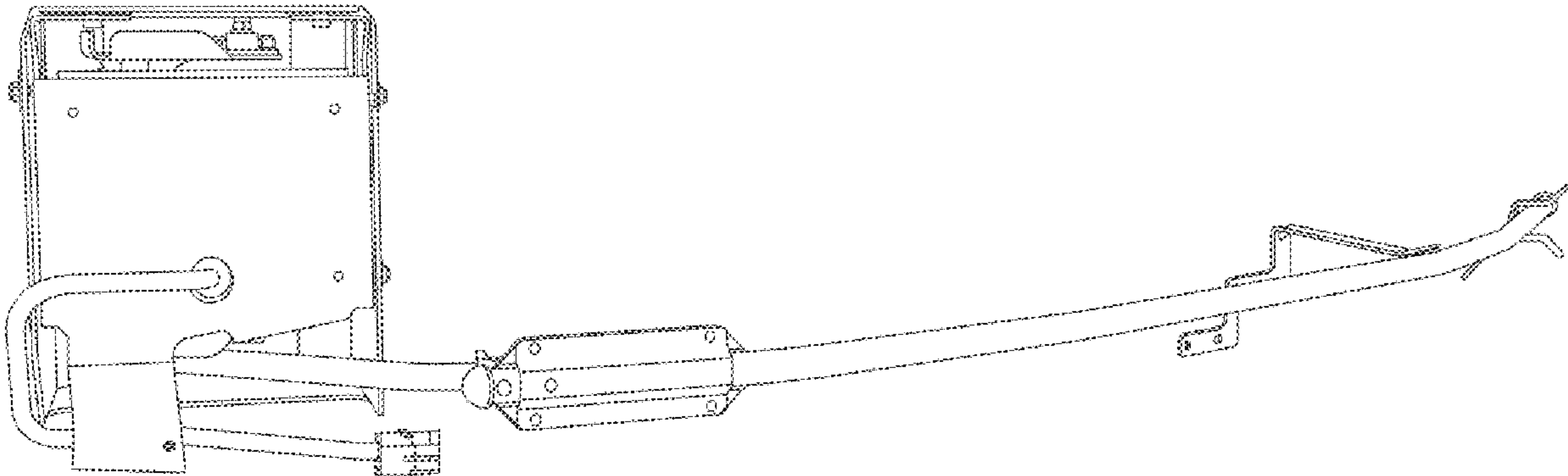
(57) CLAIM

The ornamental design for crossing arm for bus vehicle, as shown and described.

DESCRIPTION

FIG. 1 is a rear elevational view of crossing arm for bus vehicle;
FIG. 2 is a front elevational view of crossing arm for bus vehicle;
FIG. 3 is a side elevational view of crossing arm for bus vehicle;
FIG. 4 is a side, opposite to the side of FIG. 3, elevational view of crossing arm for bus vehicle;
FIG. 5 is a top elevational view of crossing arm for bus vehicle;
FIG. 6 is a bottom elevational view of crossing arm for bus vehicle; and,
FIG. 7 is a perspective view of crossing arm for bus vehicle.

1 Claim, 7 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

2007/0120655	A1 *	5/2007	Lahr	B60Q 1/50 340/433
2007/0252538	A1 *	11/2007	Swanger	B60Q 1/2692 340/433
2008/0157945	A1 *	7/2008	Bowler	B60Q 1/50 348/148
2008/0169918	A1 *	7/2008	Vidri	B60Q 1/50 340/487
2012/0013454	A1 *	1/2012	Krugh, IV	B60Q 1/543 340/433
2013/0112835	A1 *	5/2013	Buley	B60R 1/078 248/224.8
2018/0112366	A1 *	4/2018	Young, Jr.	B60R 19/38
2021/0086688	A1 *	3/2021	Gucwa	B60Q 1/2615
2021/0221283	A1 *	7/2021	Yudelevich	B60Q 1/503
2022/0041099	A1 *	2/2022	Ringer	B60Q 1/2615

* cited by examiner

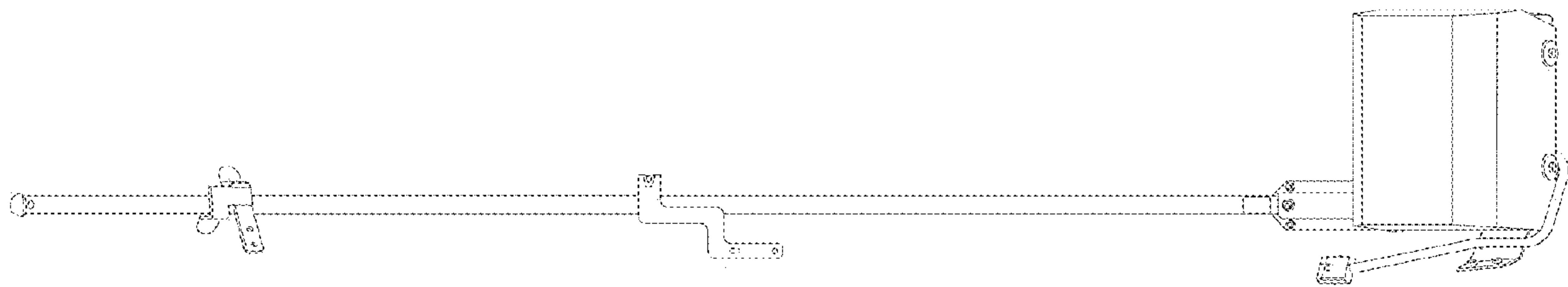


FIG.1

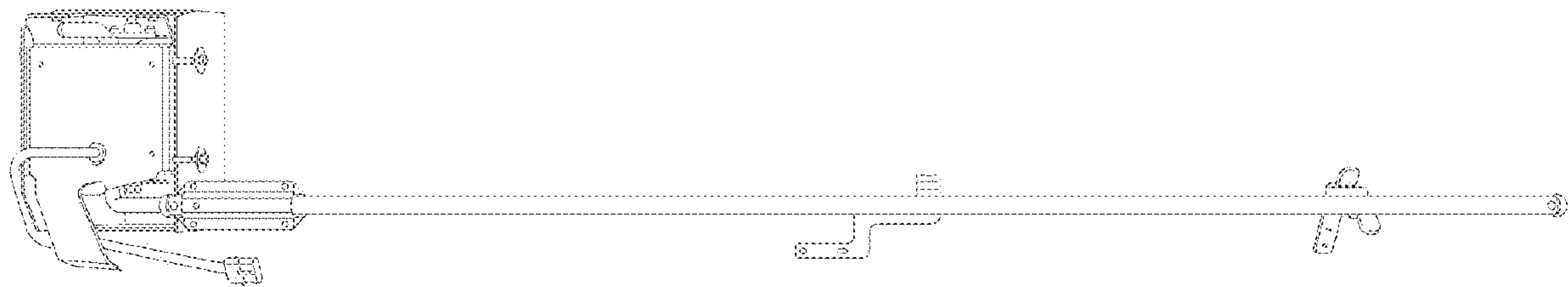


FIG.2

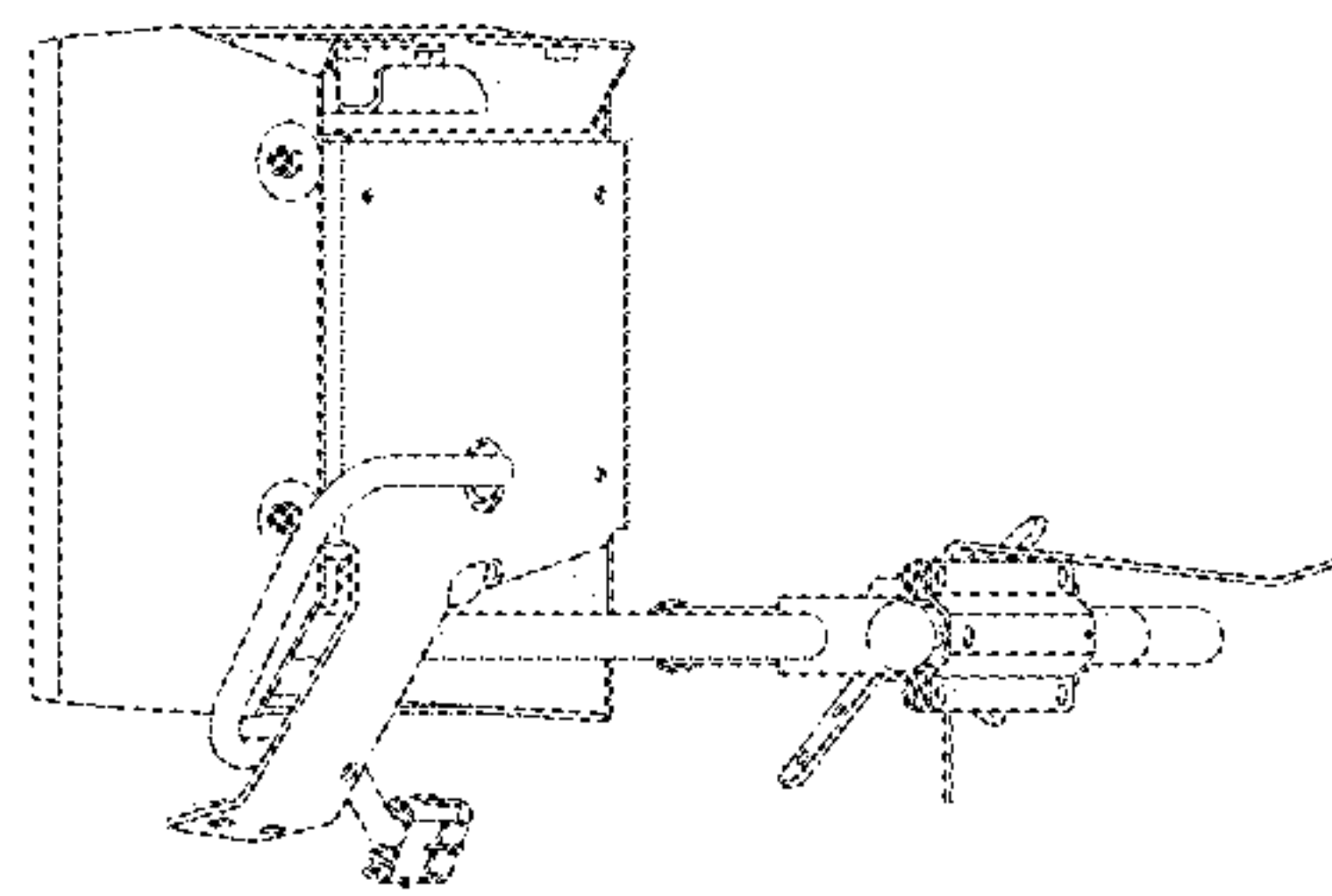


FIG.3

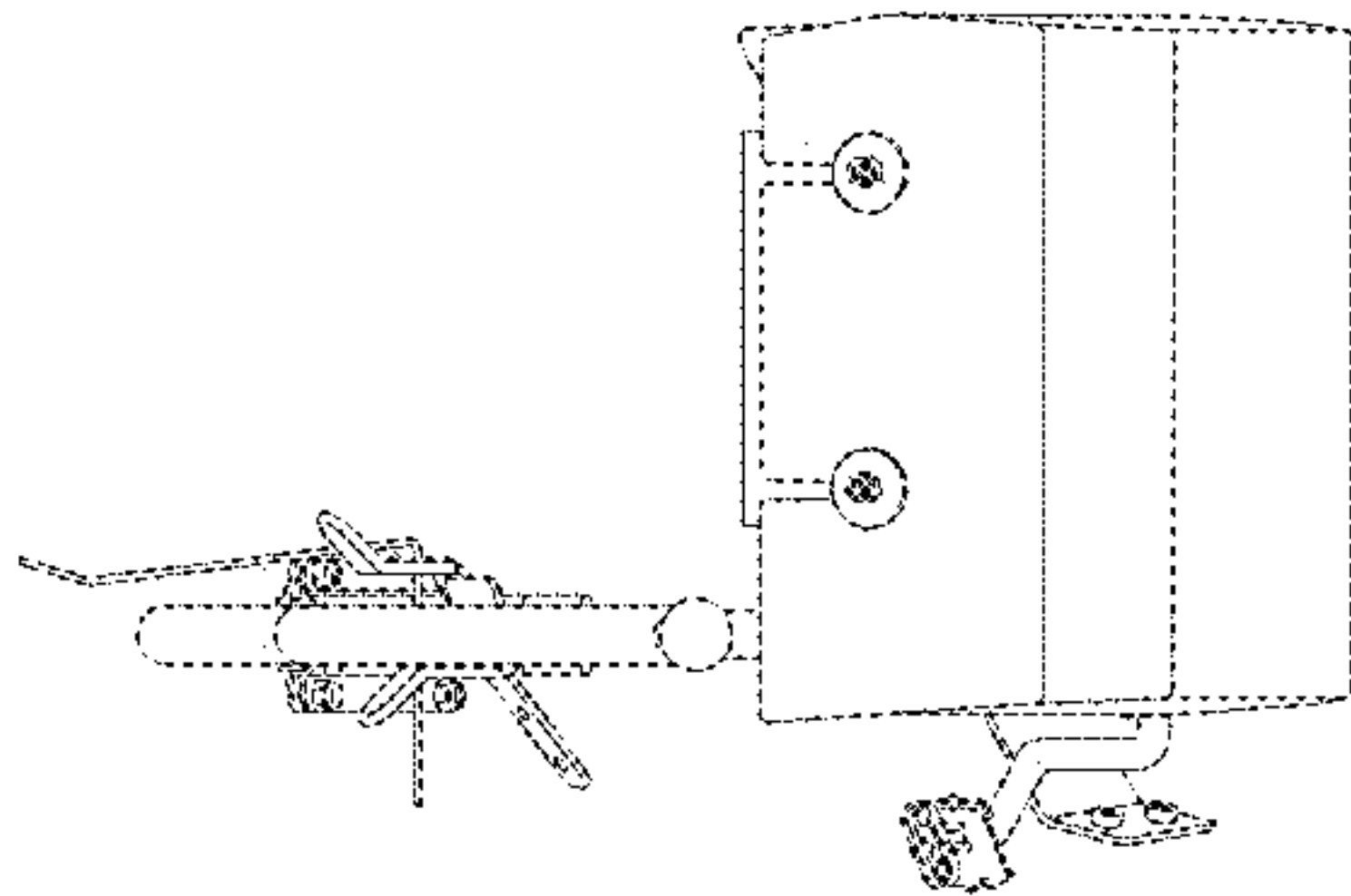


FIG.4

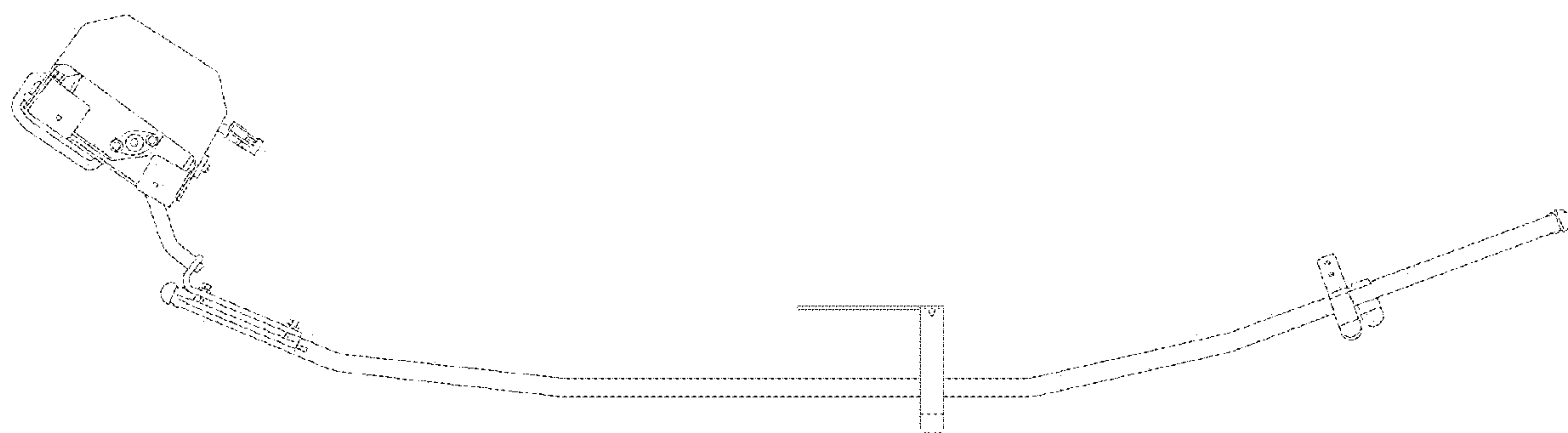


FIG.5

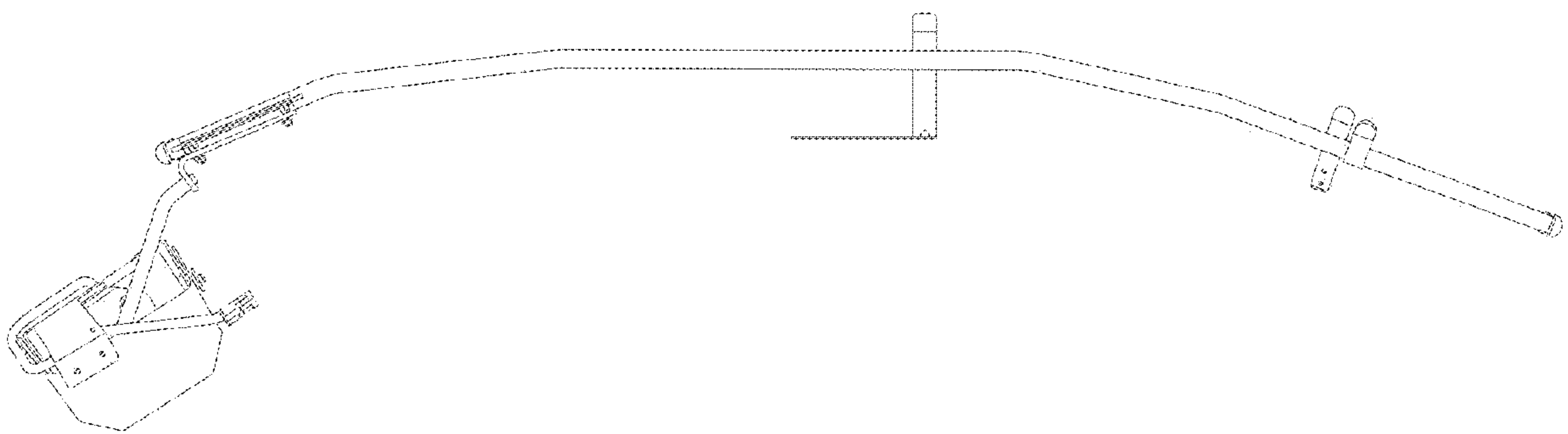


FIG. 6

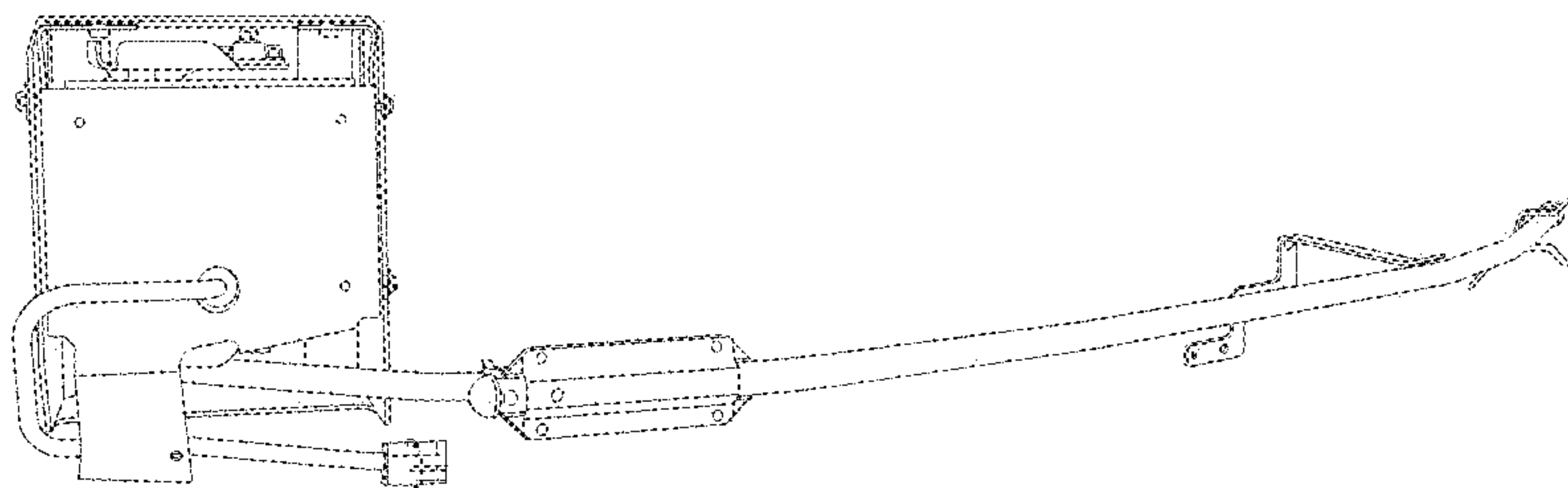


FIG. 7