



US00D985624S

(12)

United States Design Patent

McCutcheon, IV et al.

(10) Patent No.:

US D985,624 S

(45) Date of Patent:

** May 9, 2023

(54) AUTONOMOUS LAWN MOWER

(56) References Cited

(71) Applicant: Scythe Robotics, Inc., Longmont, CO (US)

U.S. PATENT DOCUMENTS

(72) Inventors: Robert Johnstone McCutcheon, IV, Longmont, CO (US); John Gordon Morrison, Longmont, CO (US); Isaac Heath Roberts, Longmont, CO (US); Kevin Peter McGlade, Denver, CO (US); Davis Thorp Foster, Boulder, CO (US); Matthew Alexander Kaplan, Bellvue, CO (US); Zachary Austin Goins, Boulder, CO (US); Matthew G. Quick, Erie, CO (US)

D363,495	S	*	10/1995	Good	.....	D15/15
6,782,964	B1	*	8/2004	Korthals	.....	B62D 51/02
						56/10.8
8,141,886	B1	*	3/2012	Sugden	.....	A01D 34/82
						56/14.7
D678,352	S	*	3/2013	Maeda	.....	D15/17
D679,294	S	*	4/2013	Tajik	.....	D15/17
D679,295	S	*	4/2013	Tajik	.....	D15/17
D681,065	S	*	4/2013	Maeda	.....	D15/17
D688,276	S	*	8/2013	Naslund	.....	D15/17
D718,339	S	*	11/2014	Damshak	.....	D15/17
D718,340	S	*	11/2014	Damshak	.....	D15/14
D718,341	S	*	11/2014	Gur	.....	D15/17
D718,793	S	*	12/2014	Gur	.....	D15/14

(Continued)

(73) Assignee: SCYTHERobotics, Inc., Longmont, CO (US)

Primary Examiner — Mark A Goodwin

(**) Term: 15 Years

(74) Attorney, Agent, or Firm — Moser Taboada

(21) Appl. No.: 29/851,704

(57) CLAIM

(22) Filed: Aug. 31, 2022

The ornamental design for an autonomous lawn mower, as shown and described.

Related U.S. Application Data

DESCRIPTION

(62) Division of application No. 29/760,952, filed on Dec. 4, 2020, now Pat. No. Des. 965,030.

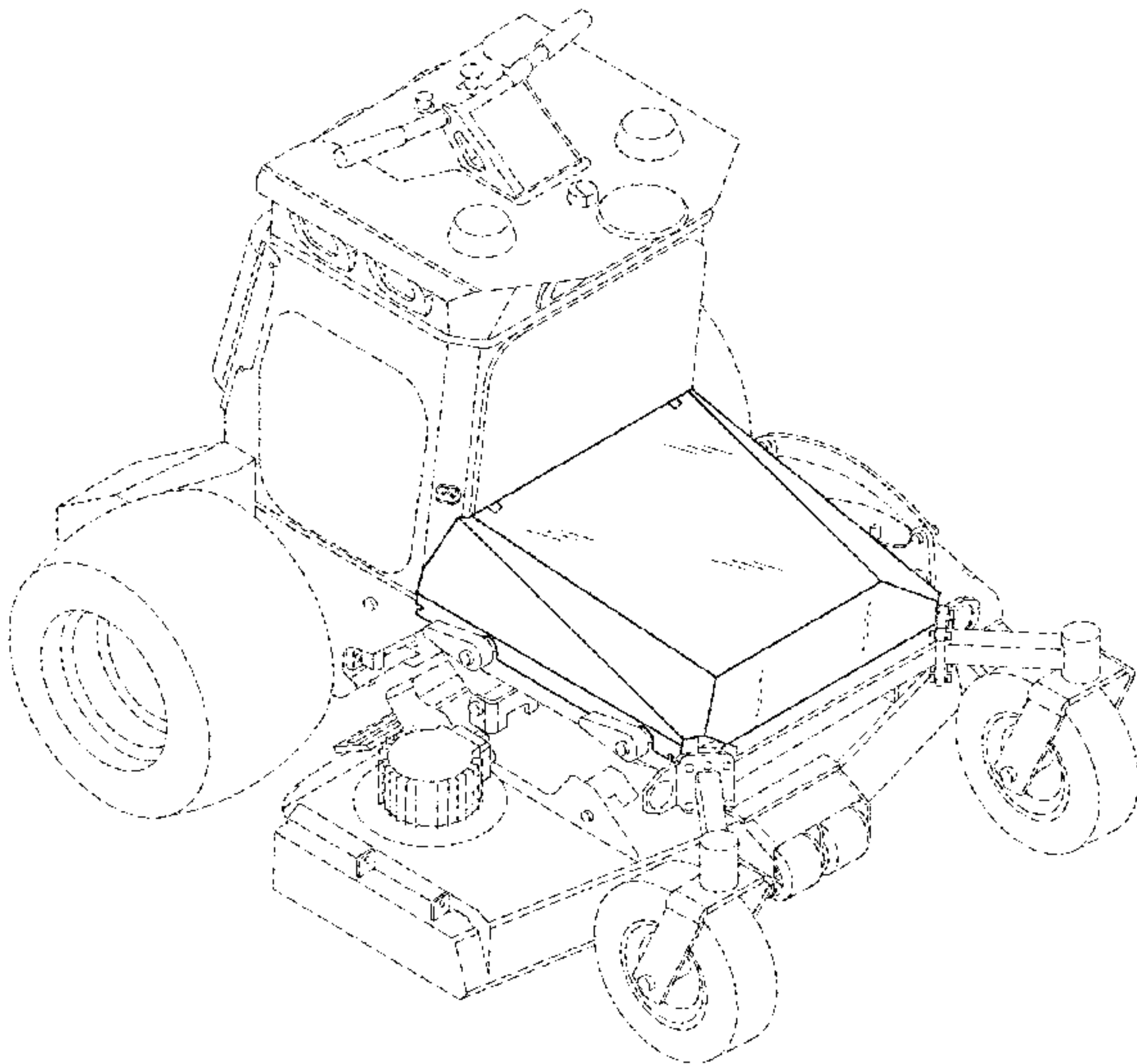
(51) LOC (14) Cl. 15-03

(52) U.S. Cl. USPC D15/14; D15/17; D15/28

(58) Field of Classification Search USPC D15/10–33 CPC A01D 34/008; A01D 34/81; A01D 34/416; A01D 34/4166; A01D 34/4167; A01D 34/87; A01D 34/90; B60L 1/003; B60L 3/0061; B60L 11/1803; B60L 11/1805; B60L 11/1877; B60L 15/20; B60L 2260/28; B60L 2200/40; B60L 2220/16; B60L 2220/46; B60L 2240/36; B60L 2240/421; A01G 3/04; A01G 3/0435 See application file for complete search history.

FIG. 1 is a perspective view of an autonomous lawn mower, embodying our new design, according to a first embodiment; FIG. 2 is a front view of the design shown in FIG. 1; FIG. 3 is a rear view of the design shown in FIG. 1; FIG. 4 is a left side view of the design shown in FIG. 1; FIG. 5 is a right side view of the design shown in FIG. 1; FIG. 6 is a top view of the design shown in FIGS. 1; and, FIG. 7 is a bottom view of the design shown in FIG. 1. Portions of the autonomous lawn mower shown in broken lines in given embodiment(s) form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D745,897 S * 12/2015 Mehra D15/17
D758,455 S * 6/2016 Maibach D15/17
D760,806 S * 7/2016 Cnich D15/17
9,485,906 B2 * 11/2016 Pflanze F16P 3/00
D776,169 S * 1/2017 Cnich D15/17
D781,926 S * 3/2017 Al-Hashimi D15/14
D789,993 S * 6/2017 Shi D15/14
D794,086 S * 8/2017 Thompson D15/26
9,723,781 B1 * 8/2017 Covington A01D 34/81
D796,555 S * 9/2017 Landberg D15/17
D836,678 S * 12/2018 Thompson D15/26
D852,232 S * 6/2019 Eidson D15/17
D880,532 S * 4/2020 Gunnarsson D15/17
D881,252 S * 4/2020 Vestberg D15/199
D884,747 S * 5/2020 Hyakusawa D15/17
D884,748 S * 5/2020 Yokoyama D15/17
D884,762 S * 5/2020 Gunnarsson D15/199
D887,464 S * 6/2020 Gunnarsson D15/199

D889,517 S * 7/2020 Prybor D15/17
D890,219 S * 7/2020 Tat D15/17
D890,220 S * 7/2020 Zhang D15/17
D892,187 S * 8/2020 Maggard D15/199
D898,779 S * 10/2020 Brandt D15/17
D898,780 S * 10/2020 Brandt D15/17
10,858,051 B2 * 12/2020 Redinger B60R 3/02
10,986,782 B2 * 4/2021 Fisher A01D 34/66
D928,202 S * 8/2021 Li D15/17
11,178,812 B1 * 11/2021 Crowl A01D 34/64
D940,761 S * 1/2022 Mehra D15/17
D946,056 S * 3/2022 Cestonaro D15/17
2015/0296707 A1 10/2015 Fukuda et al.
2017/0344020 A1 11/2017 Mannefred et al.
2018/0103579 A1 4/2018 Grufman et al.
2018/0139896 A1 5/2018 Wahlgren
2018/0339409 A1 11/2018 Williams et al.
2018/0361584 A1 12/2018 Williams et al.
2018/0364045 A1 12/2018 Williams et al.
2019/0049968 A1 2/2019 Dean et al.
2020/0062321 A1 * 2/2020 Redinger A01D 34/82

* cited by examiner

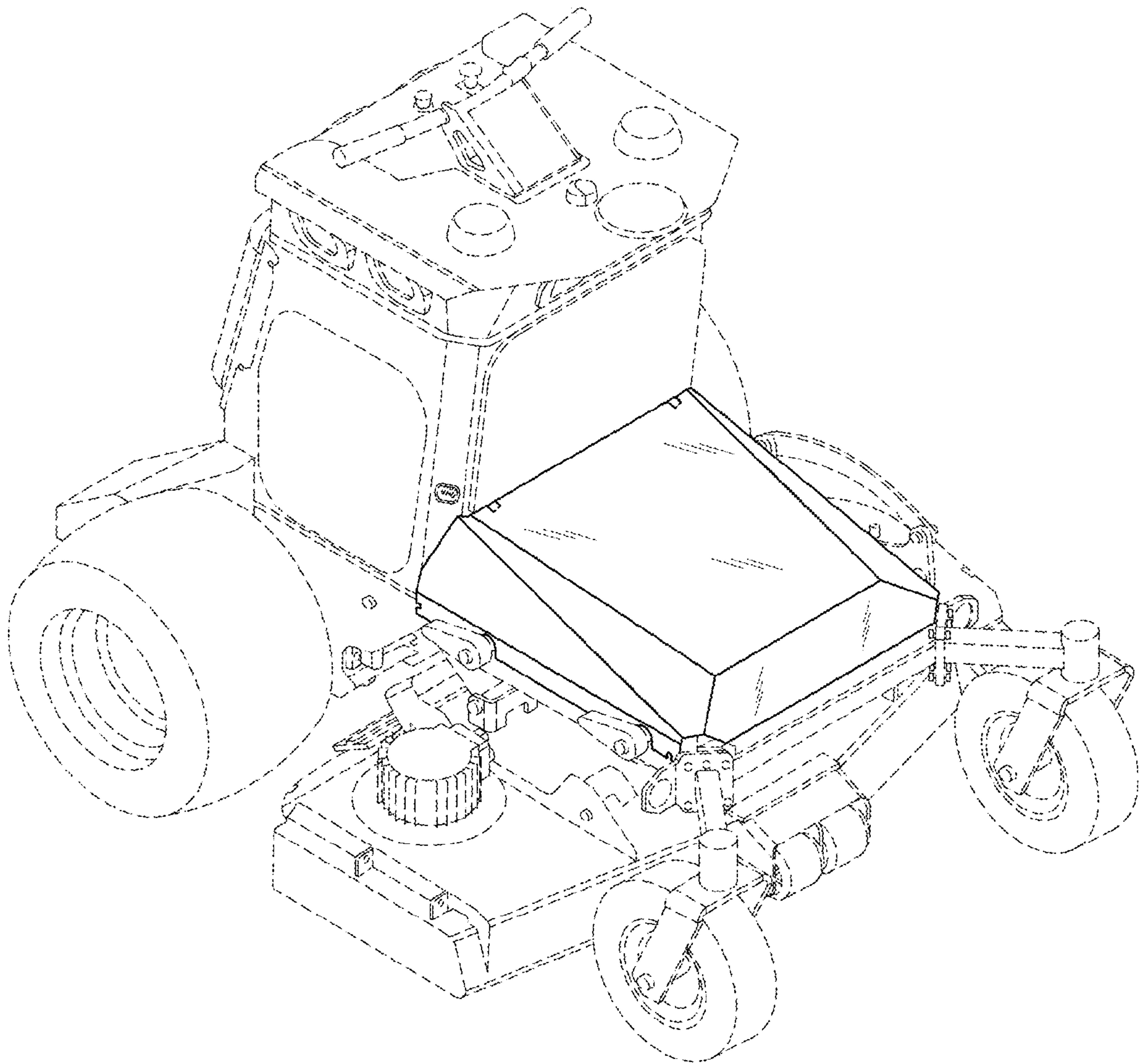


FIG. 1

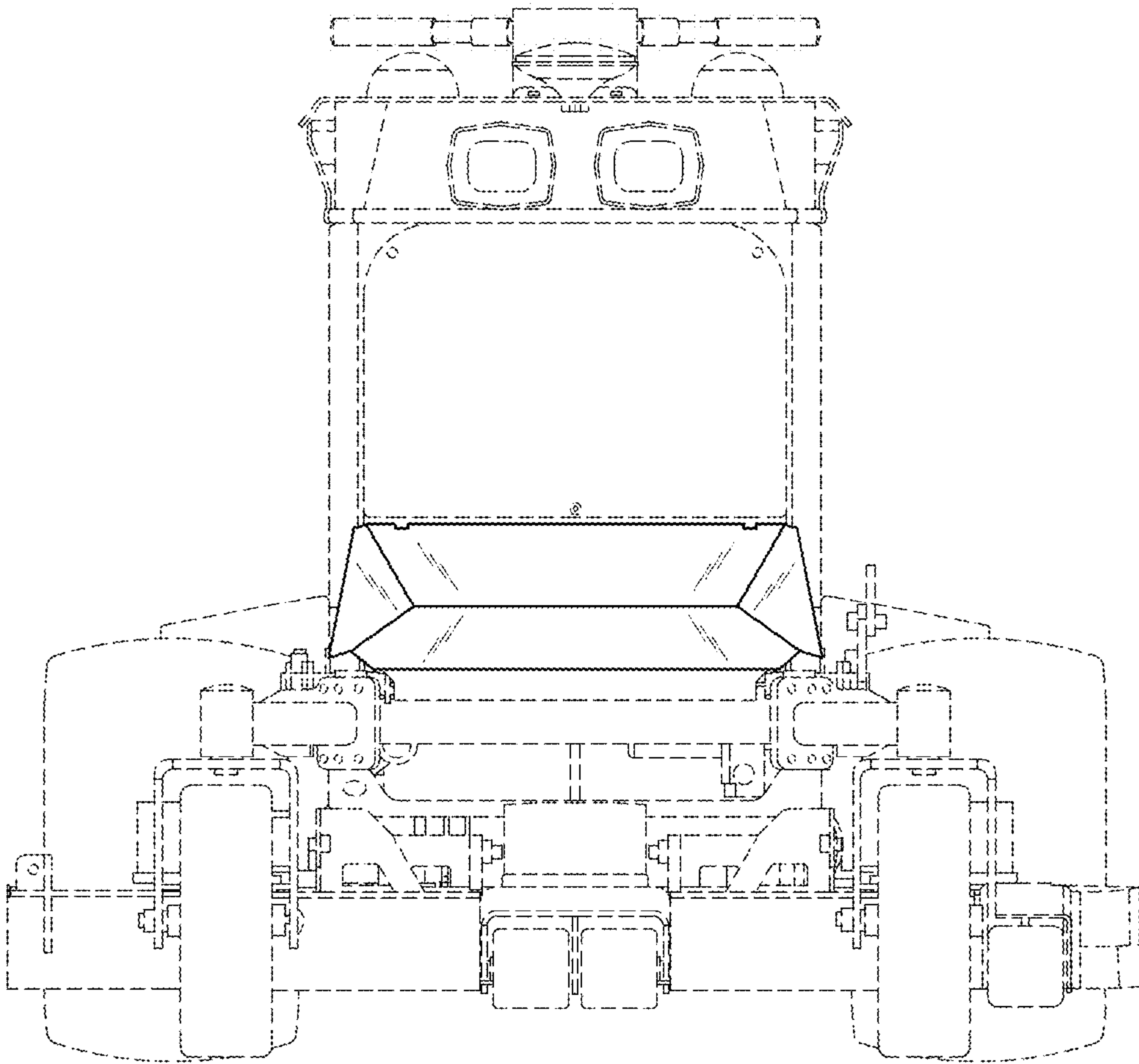


FIG. 2

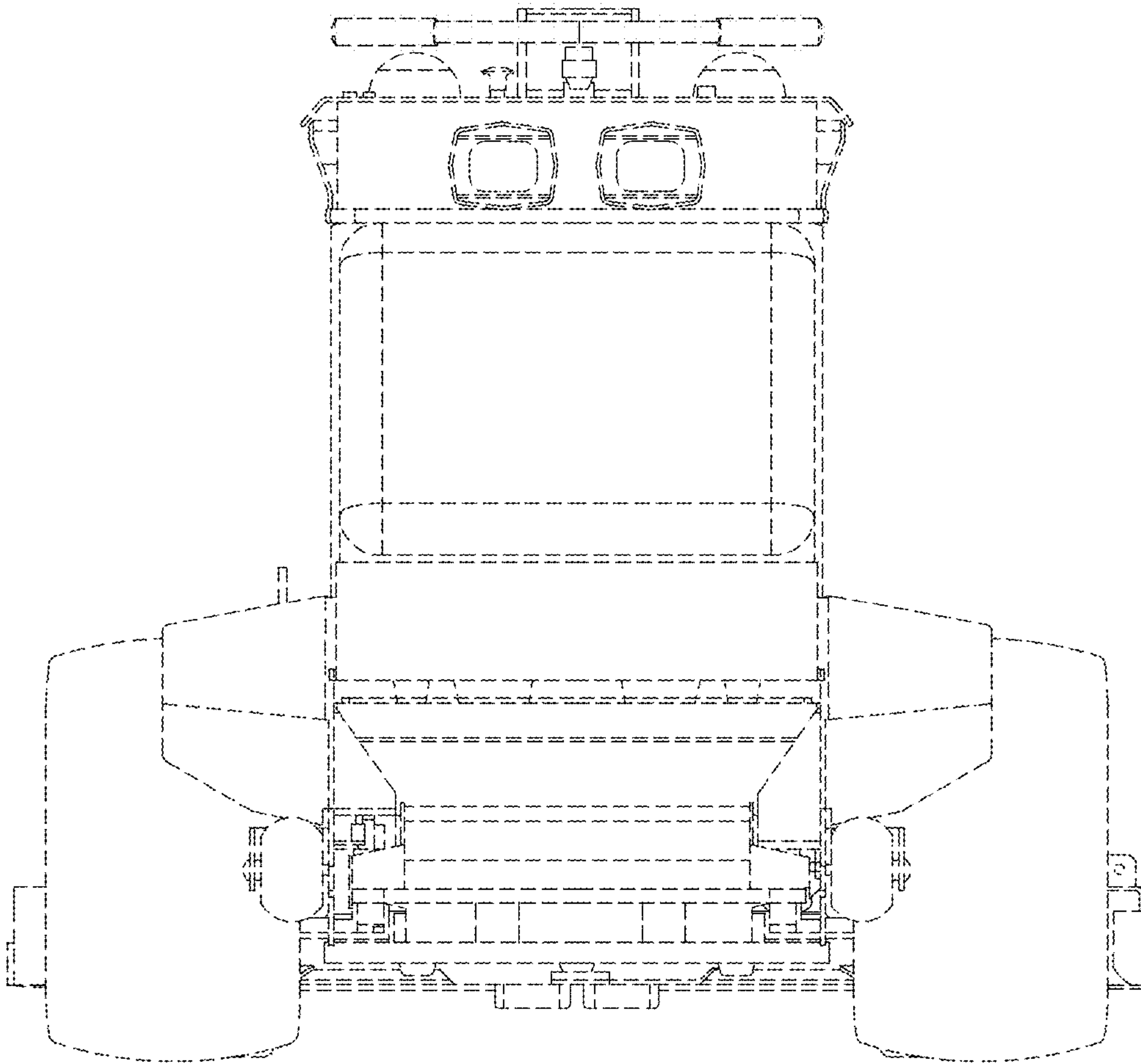


FIG. 3

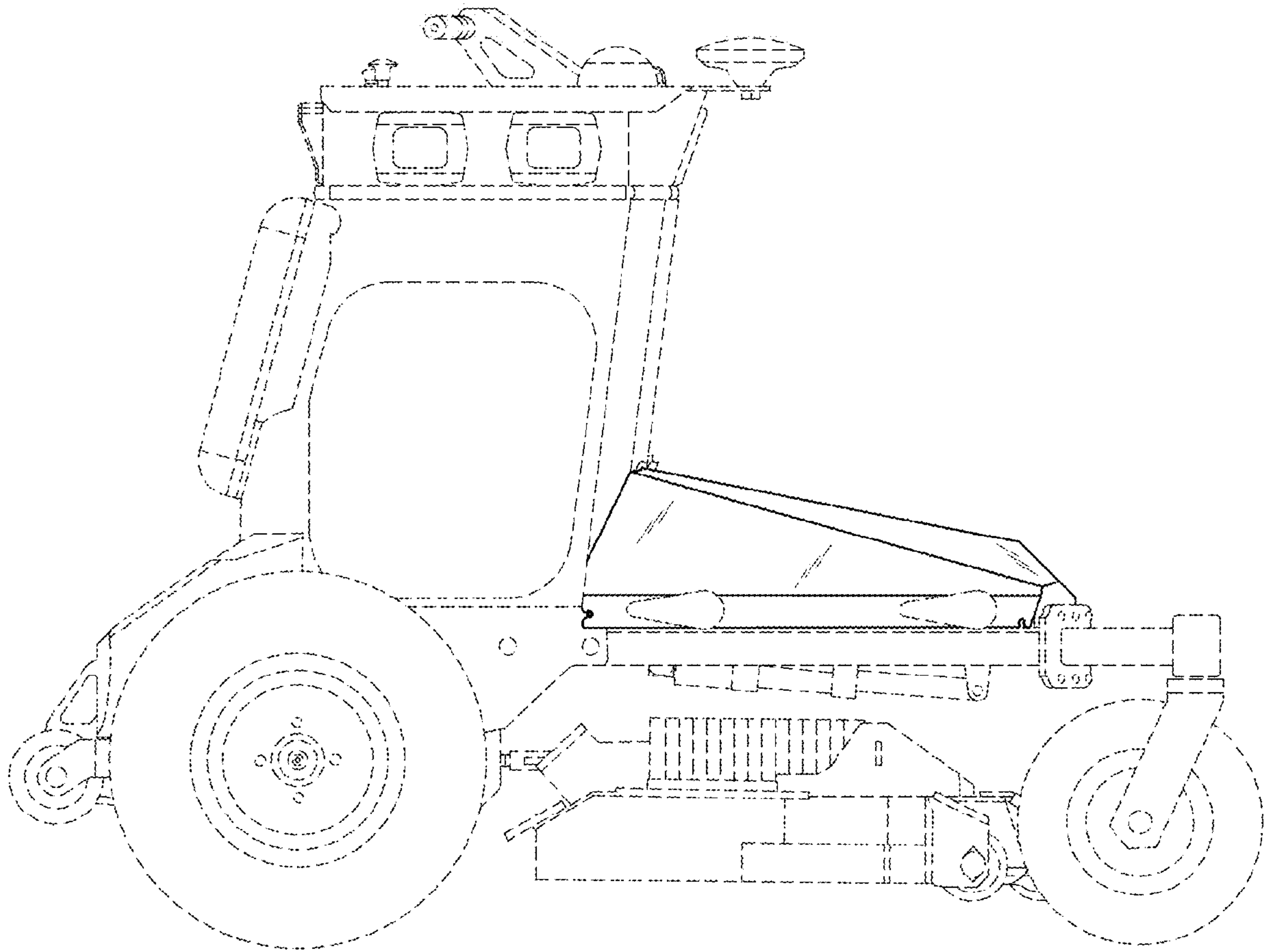


FIG. 4

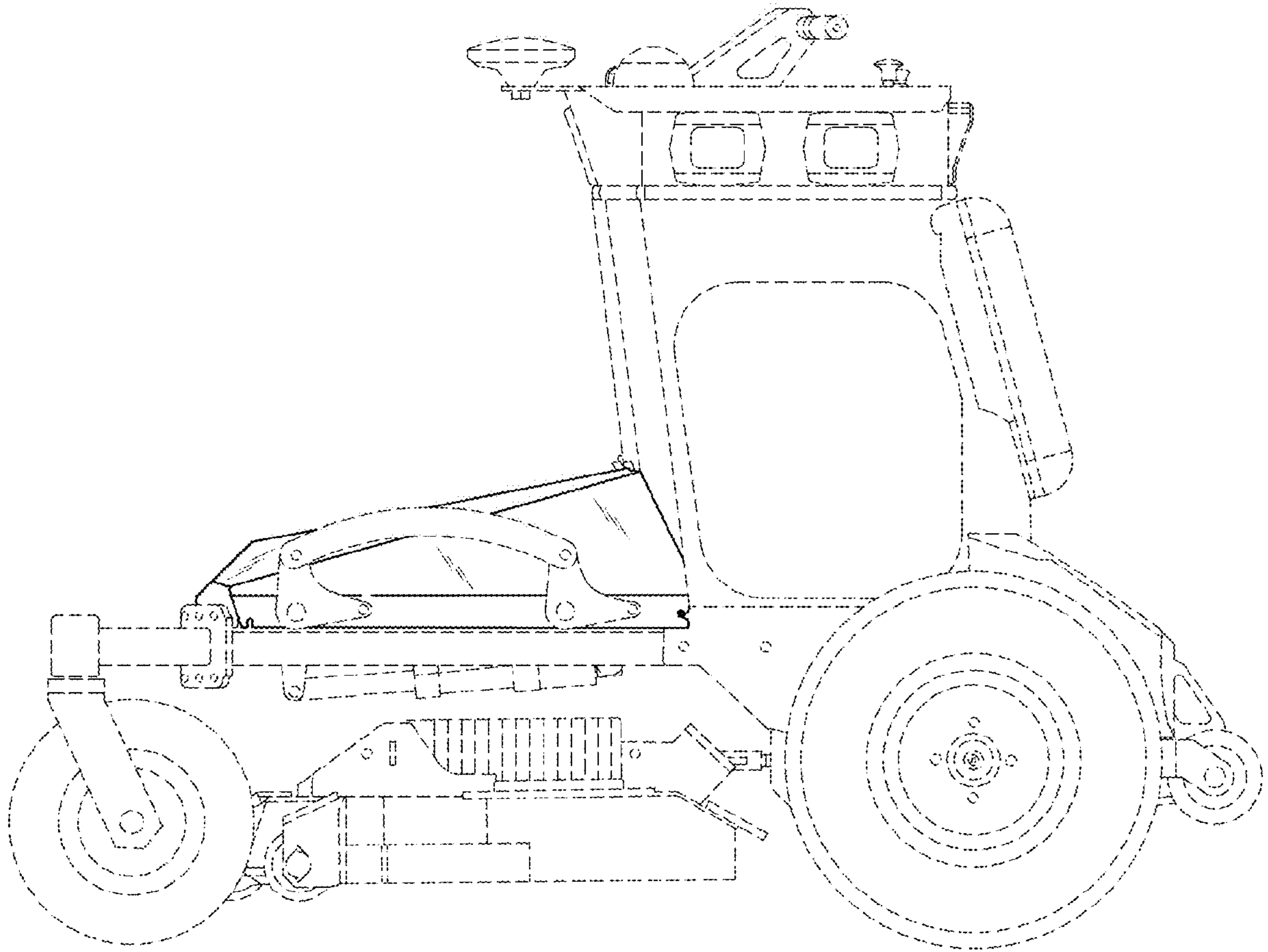


FIG. 5

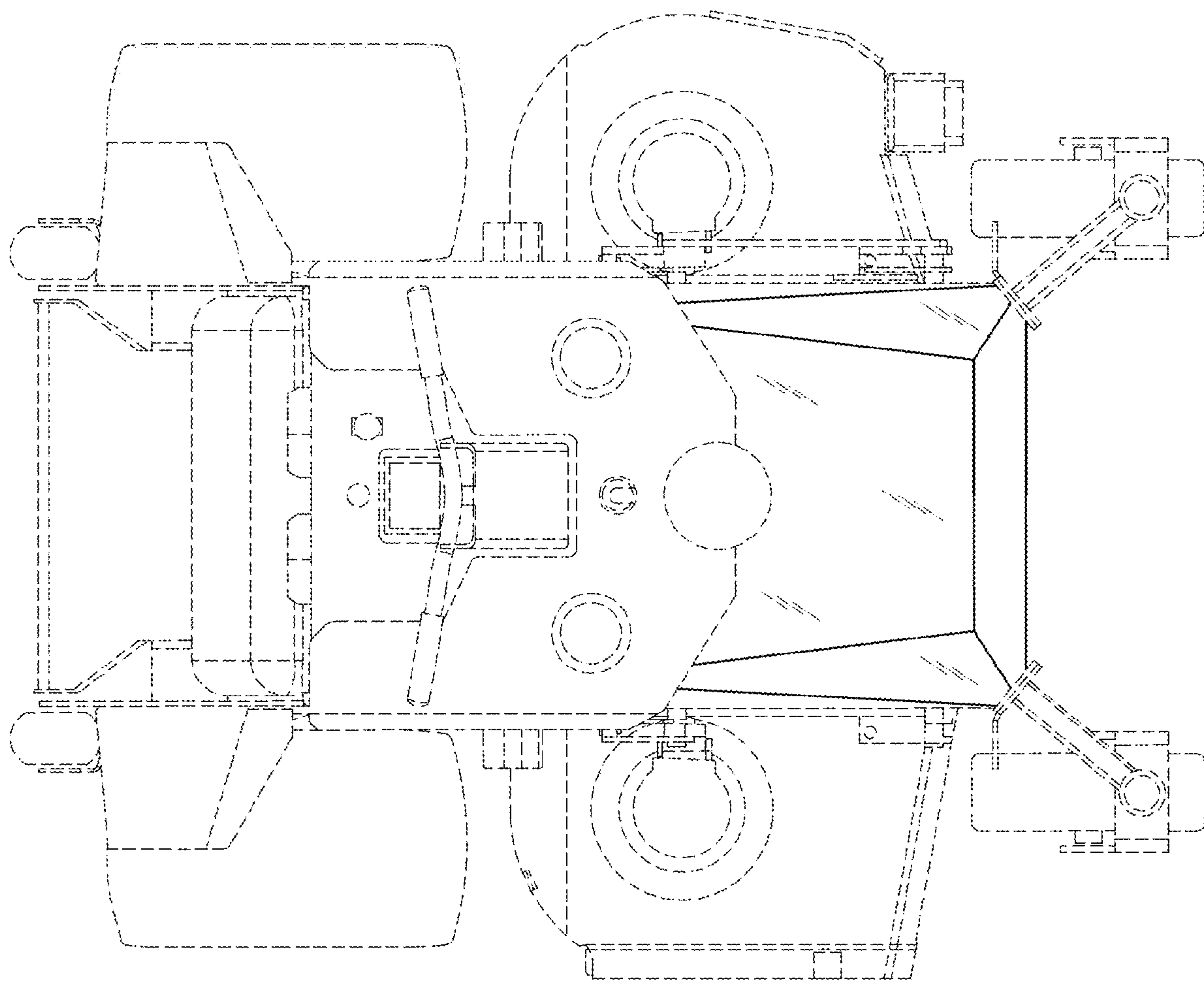


FIG. 6

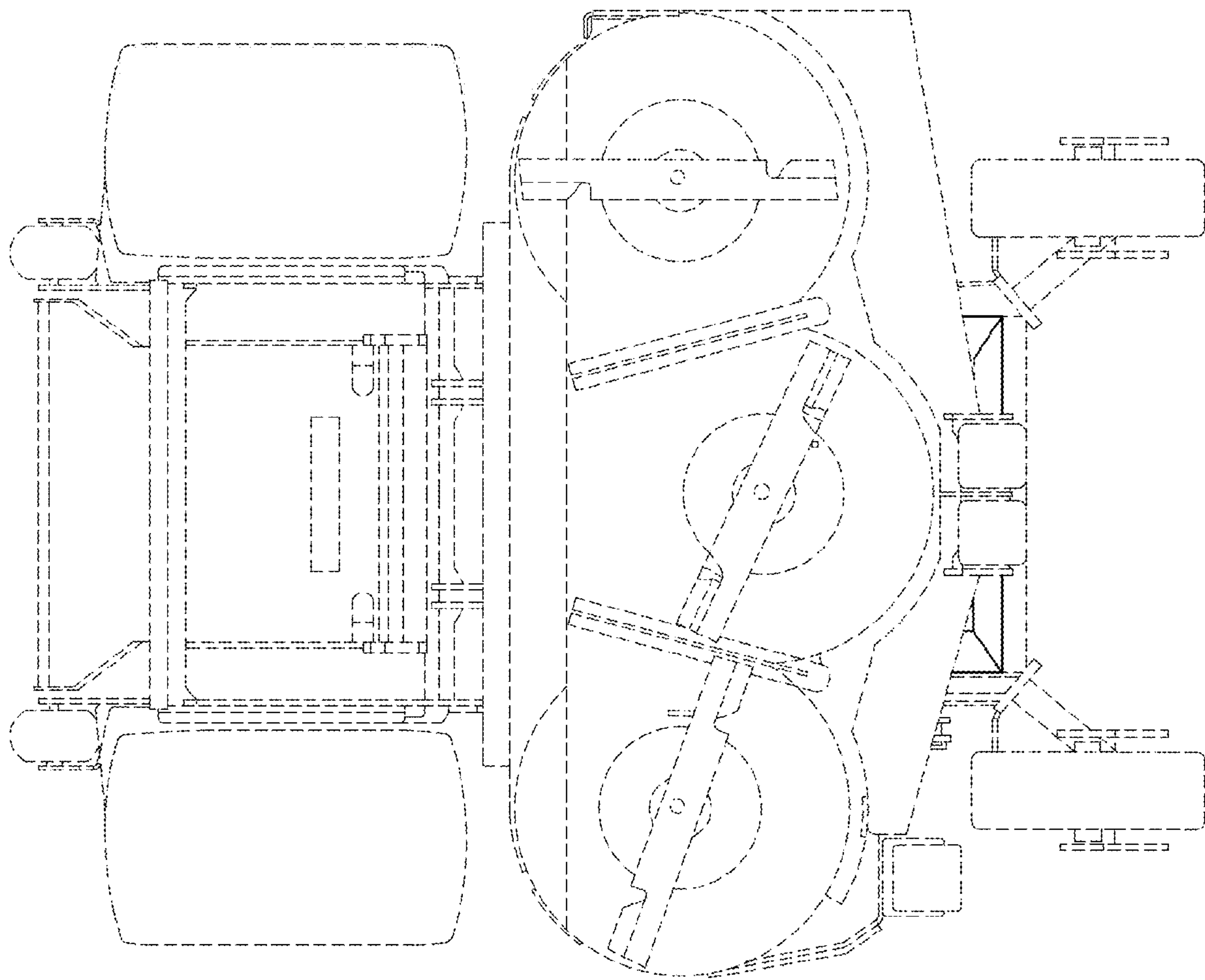


FIG. 7