



US00D834692S

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

(10) **Patent No.:** **US D834,692 S**

(45) **Date of Patent:** **\*\* Nov. 27, 2018**

(54) **HOT AIR GENERATOR AND  
CORRESPONDING SUPPORT AND AIR  
DIFFUSER**

(71) Applicant: **BIEMMEDUE S.p.A.**, Cherasco (IT)

(72) Inventor: **Marco Costamagna**, Cherasco (IT)

(73) Assignee: **BIEMMEDUE S.P.A.**, Cherasco (IT)

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

(21) Appl. No.: **29/536,234**

(22) Filed: **Aug. 14, 2015**

(51) **LOC (11) Cl.** ..... **23-03**

(52) **U.S. Cl.**  
USPC ..... **D23/317**

(58) **Field of Classification Search**  
USPC ..... D23/314, 317, 329, 332, 334, 335, 336,  
D23/338, 339, 340, 341  
CPC .... F24H 3/0488; F24H 3/0417; F24H 9/0073;  
F24H 9/1881; F23D 14/36  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D180,961 S *	9/1957	Sherman	.....	D23/317
3,193,265 A *	7/1965	Cowan	.....	F24H 3/0488 432/222
4,443,187 A *	4/1984	Shaftner	.....	F24H 3/0488 126/110 B
4,532,914 A *	8/1985	Thomas	.....	F23D 11/40 126/110 B
4,726,767 A *	2/1988	Nakajima	.....	A45D 20/06 126/401
5,848,585 A *	12/1998	Long	.....	F24H 3/0488 126/110 B
6,681,760 B2 *	1/2004	Topp	.....	F23D 14/00 126/110 B

D598,526 S *	8/2009	Pitchford	.....	D23/317
8,485,175 B1 *	7/2013	Hayes	.....	F24H 3/02 126/110 A
9,267,704 B1 *	2/2016	Lee, Jr.	.....	F24H 3/02
9,273,872 B1 *	3/2016	Lee, Jr.	.....	F24D 19/06
9,291,363 B1 *	3/2016	Cassell	.....	
2008/0260364 A1 *	10/2008	Vandrak	.....	F24H 3/0488 392/365
2013/0008423 A1 *	1/2013	Noble	.....	F24H 3/0488 126/116 C

(Continued)

*Primary Examiner* — T Chase Nelson

*Assistant Examiner* — Ania Aman

(74) *Attorney, Agent, or Firm* — Workman Nydegger

(57) **CLAIM**

The ornamental design for a hot air generator and corresponding support and air diffuser, as shown and described.

**DESCRIPTION**

FIG. 1 is a first perspective view of a hot air generator and corresponding support and air diffuser showing my new design;

FIG. 2 is a second perspective view of the hot air generator and corresponding support and air diffuser;

FIG. 3 is a front view of the hot air generator and corresponding support and air diffuser;

FIG. 4 is a first lateral view of the hot air generator and corresponding support and air diffuser;

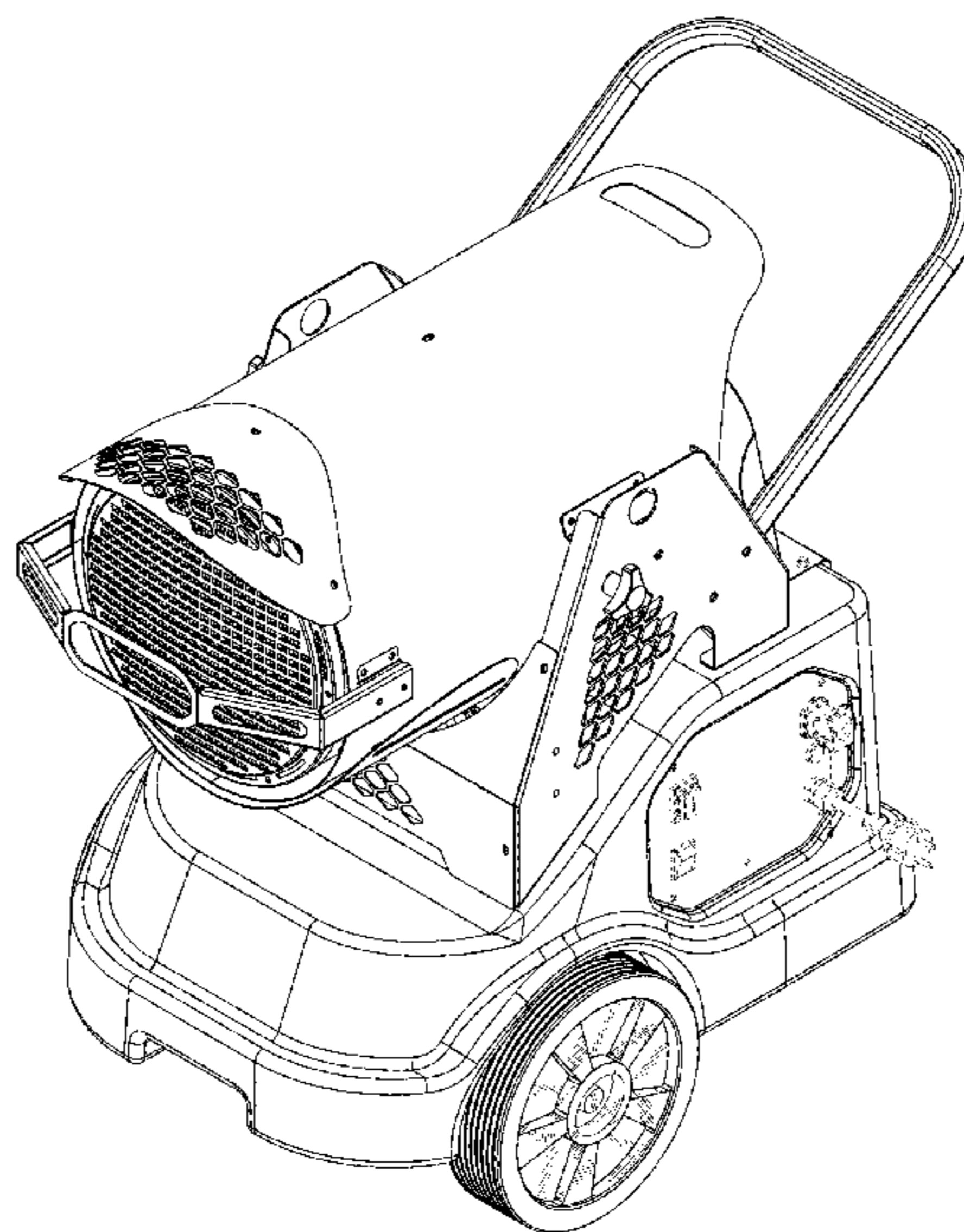
FIG. 5 is a second lateral view of the hot air generator and corresponding support and air diffuser;

FIG. 6 is a back view of the hot air generator and corresponding support and air diffuser; and,

FIG. 7 is a top view of the hot air generator and corresponding support and air diffuser.

The broken lines are included for the purpose of illustrating portions of the hot air generator and corresponding support and air diffuser that form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

2016/0146503 A1\* 5/2016 Kang ..... F24H 3/0488  
126/114  
2016/0354623 A1\* 12/2016 Mueller ..... A62C 3/0207

\* cited by examiner

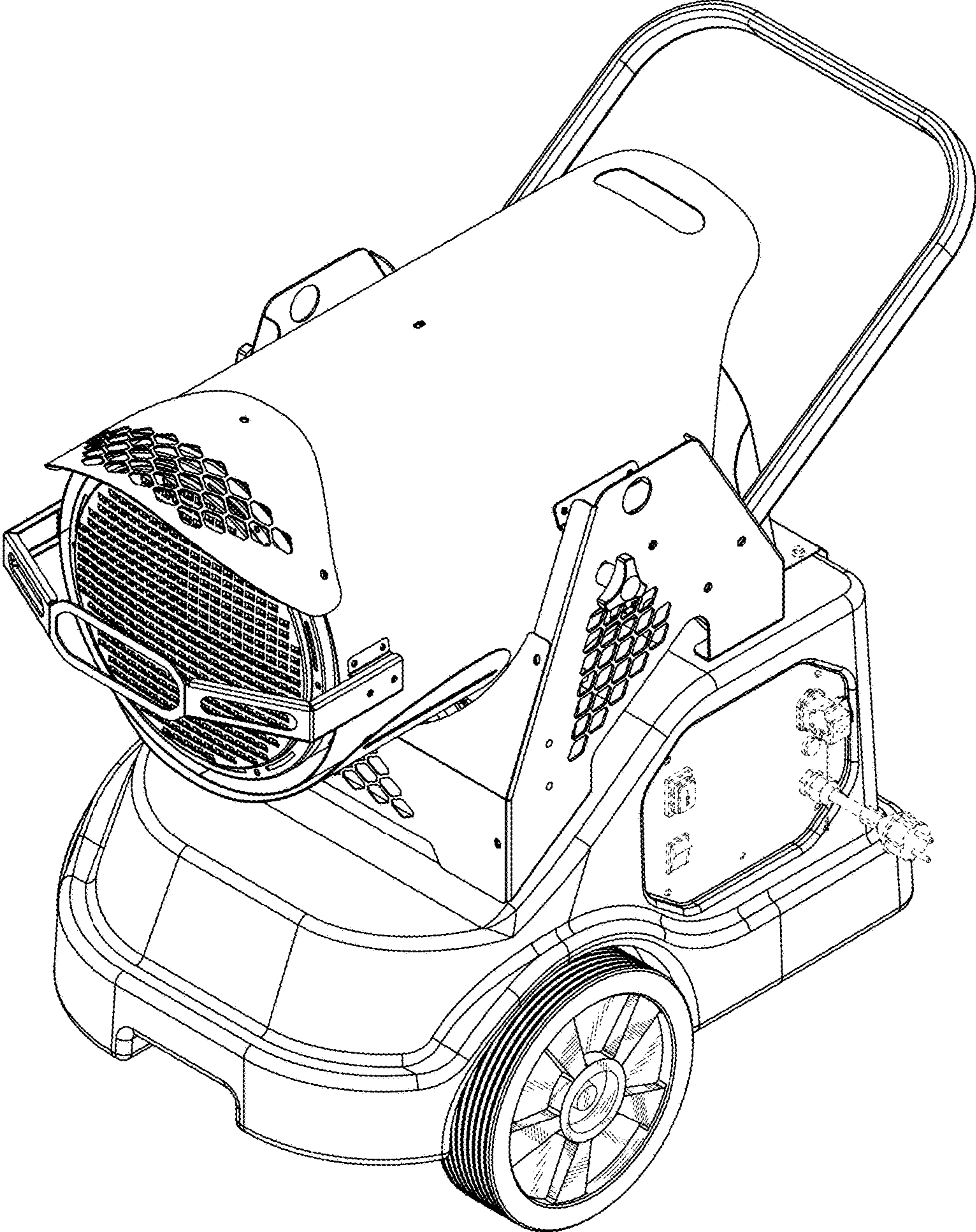


FIG. 1

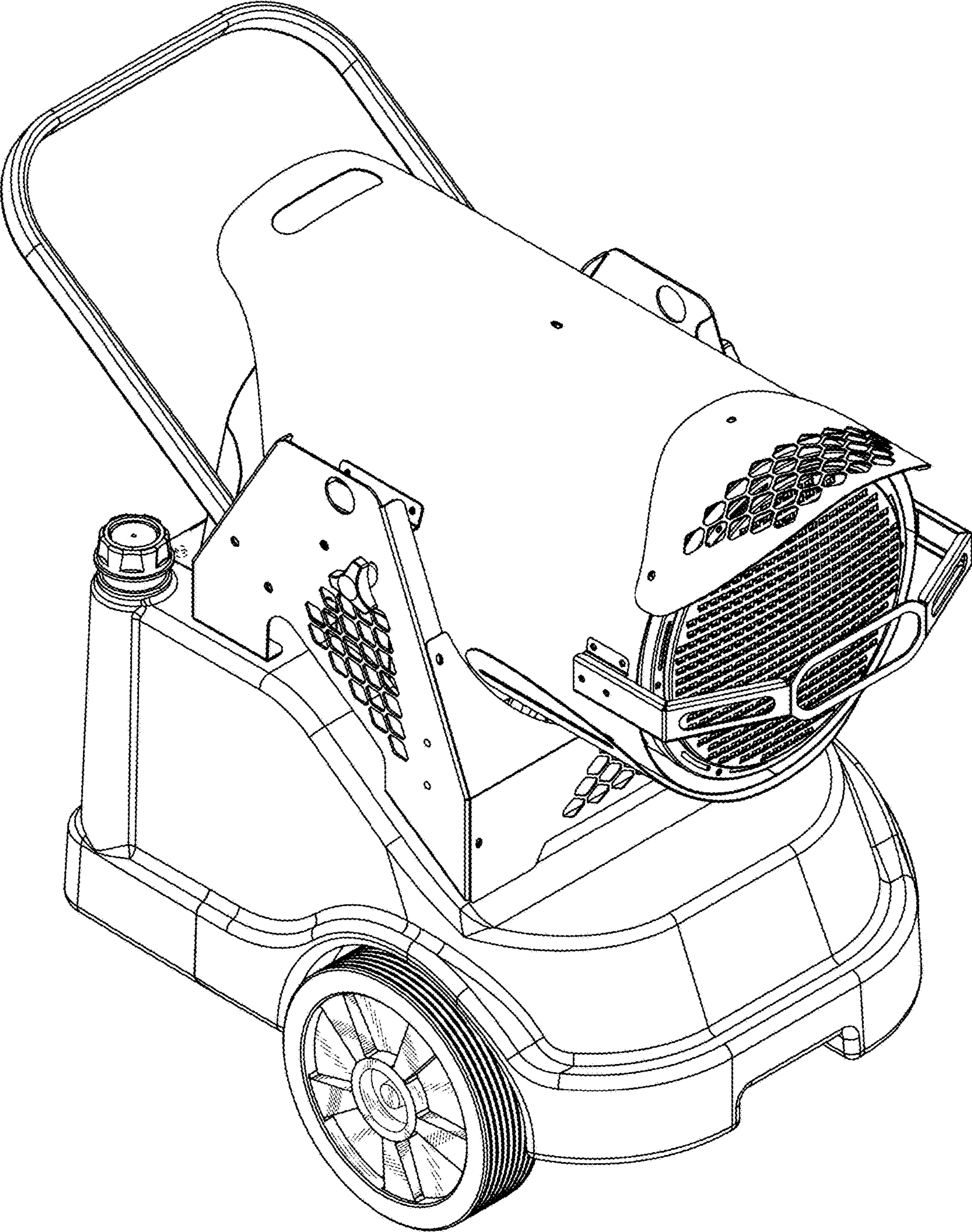


FIG. 2

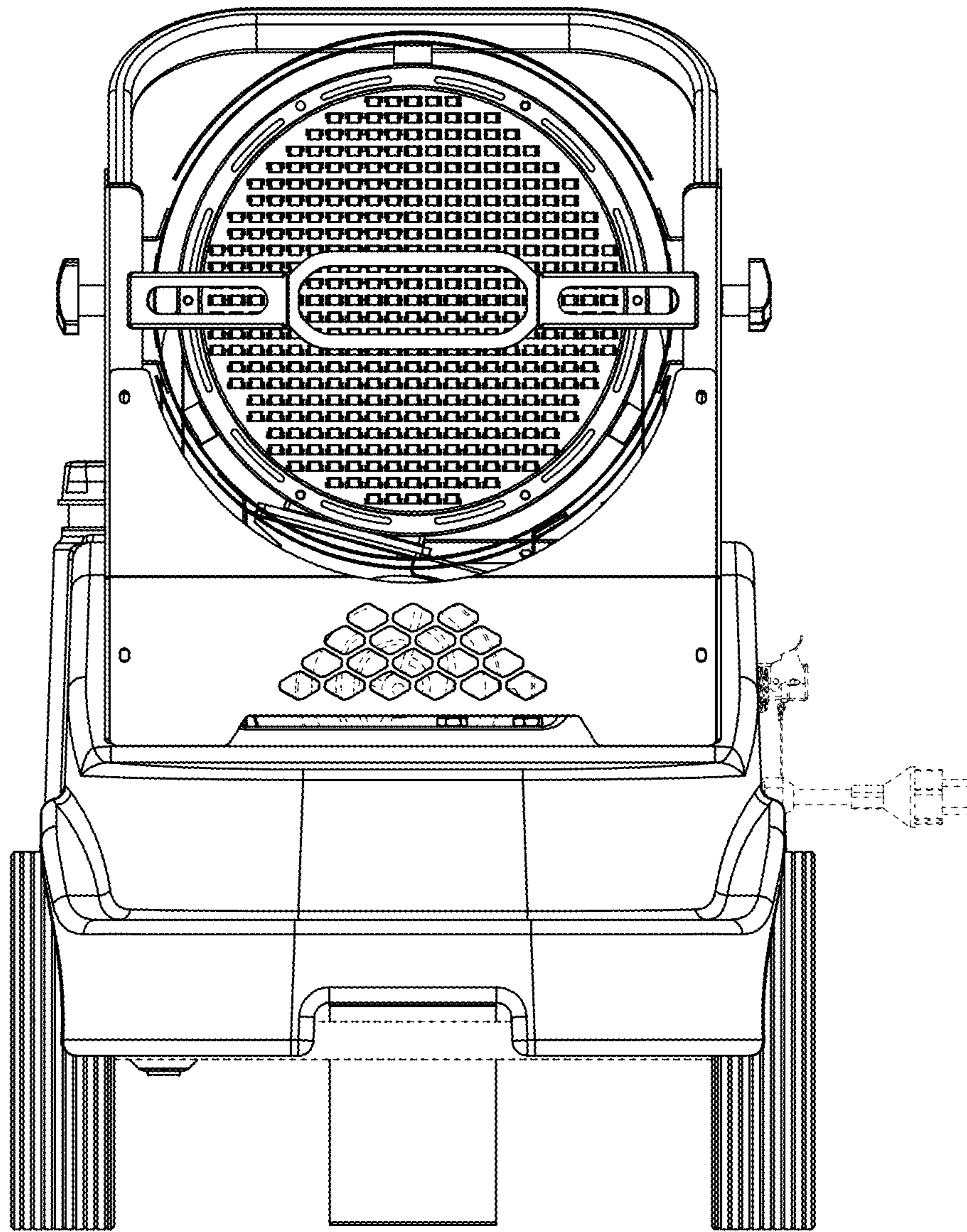


FIG. 3

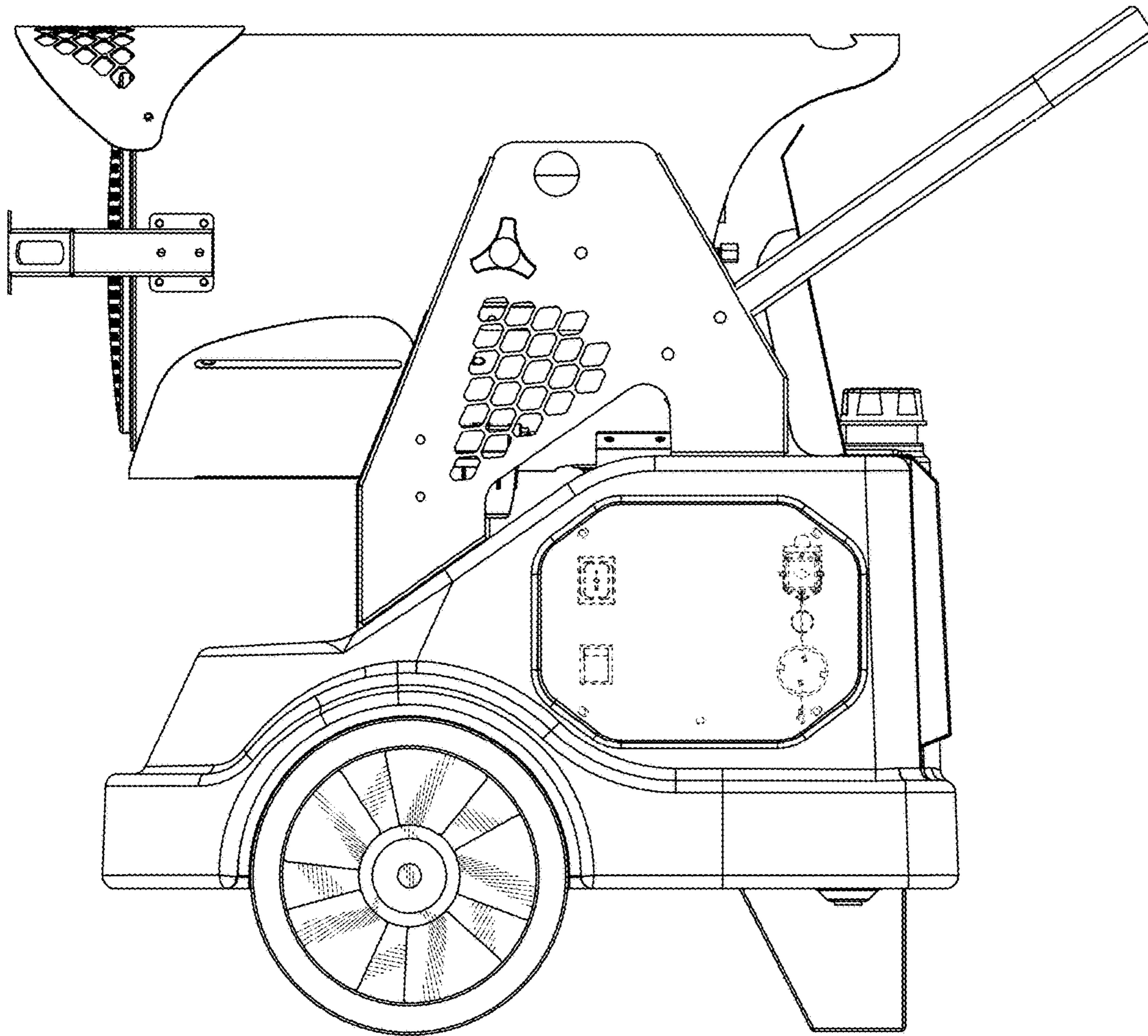


FIG. 4

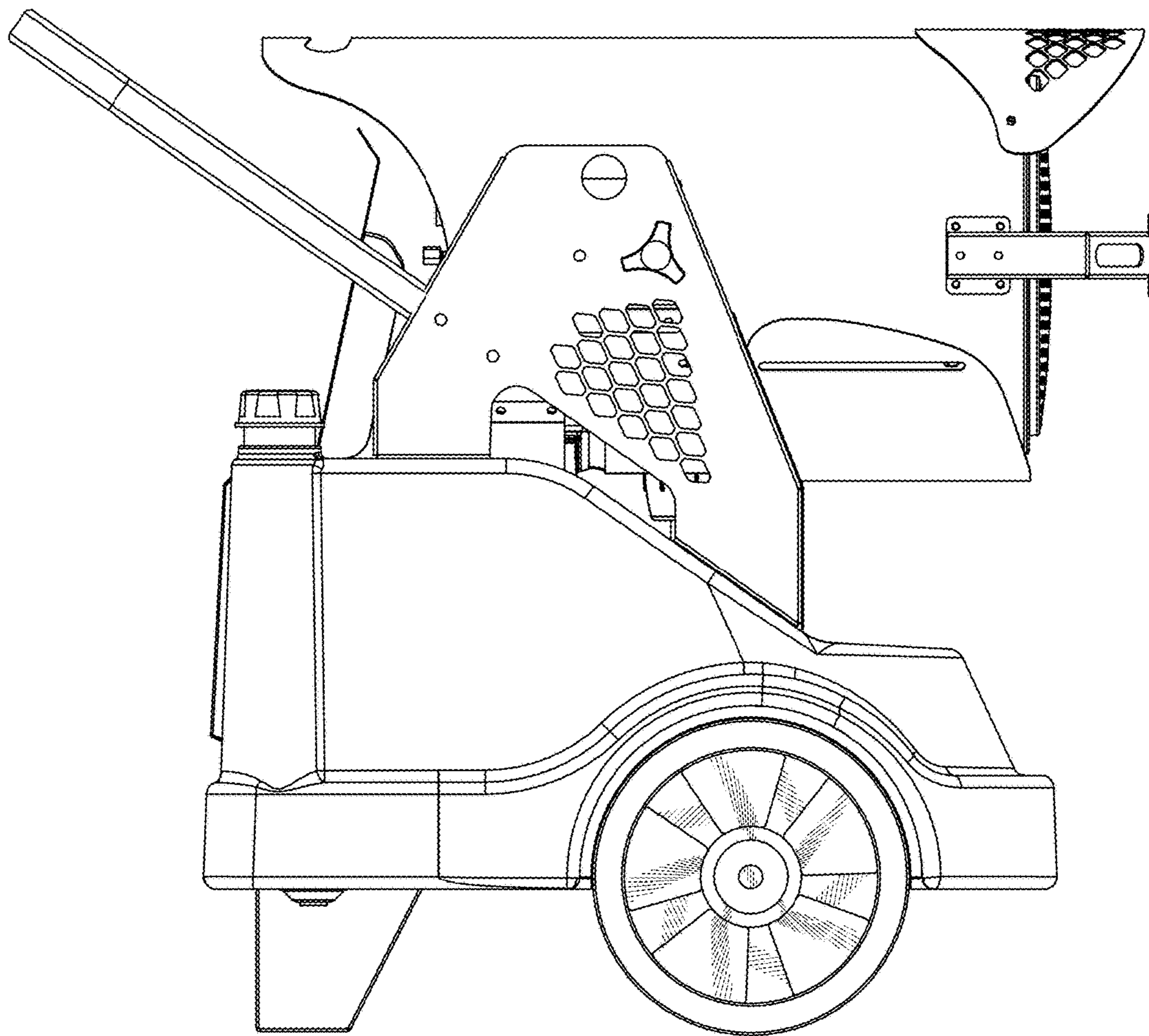


FIG. 5

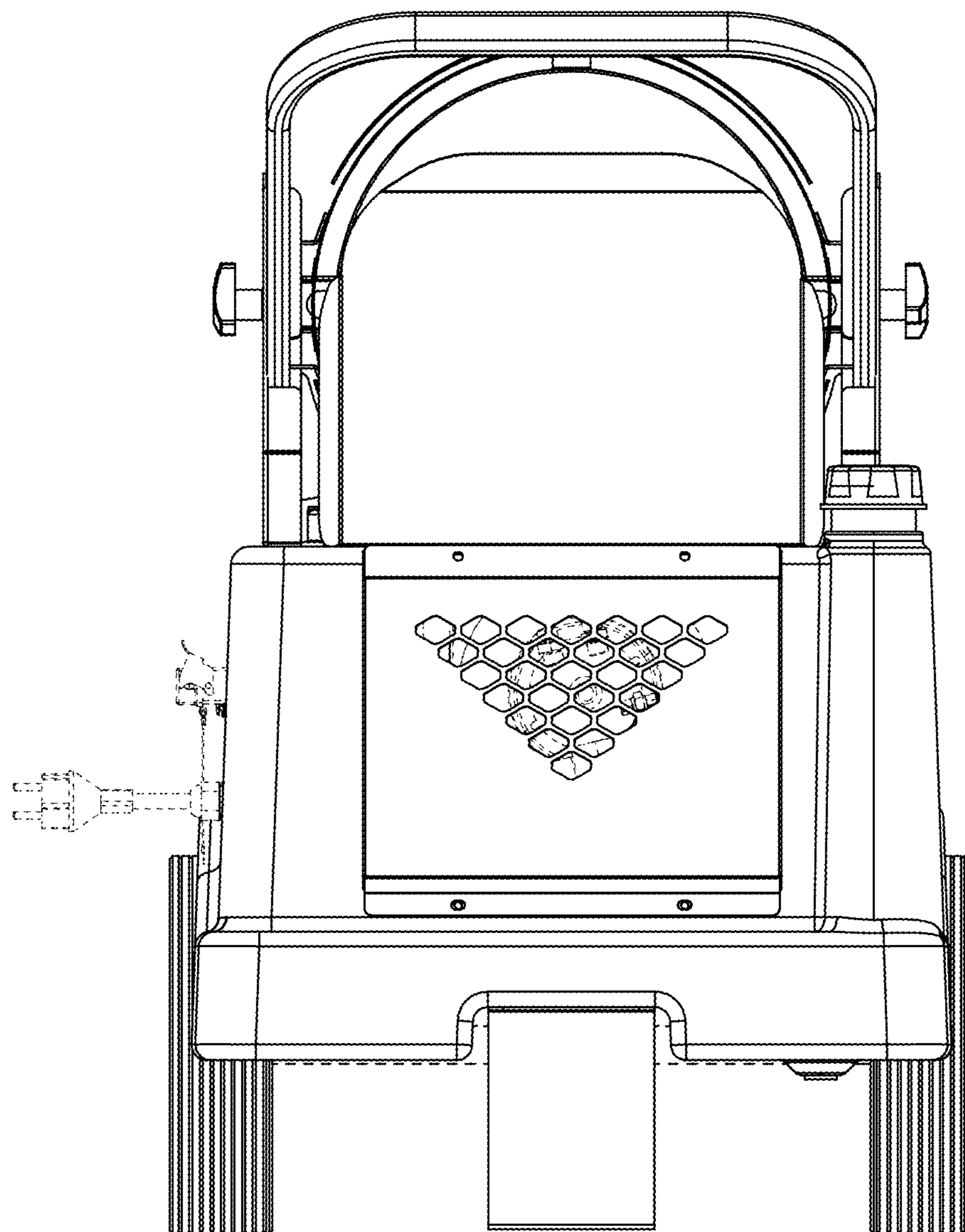


FIG. 6



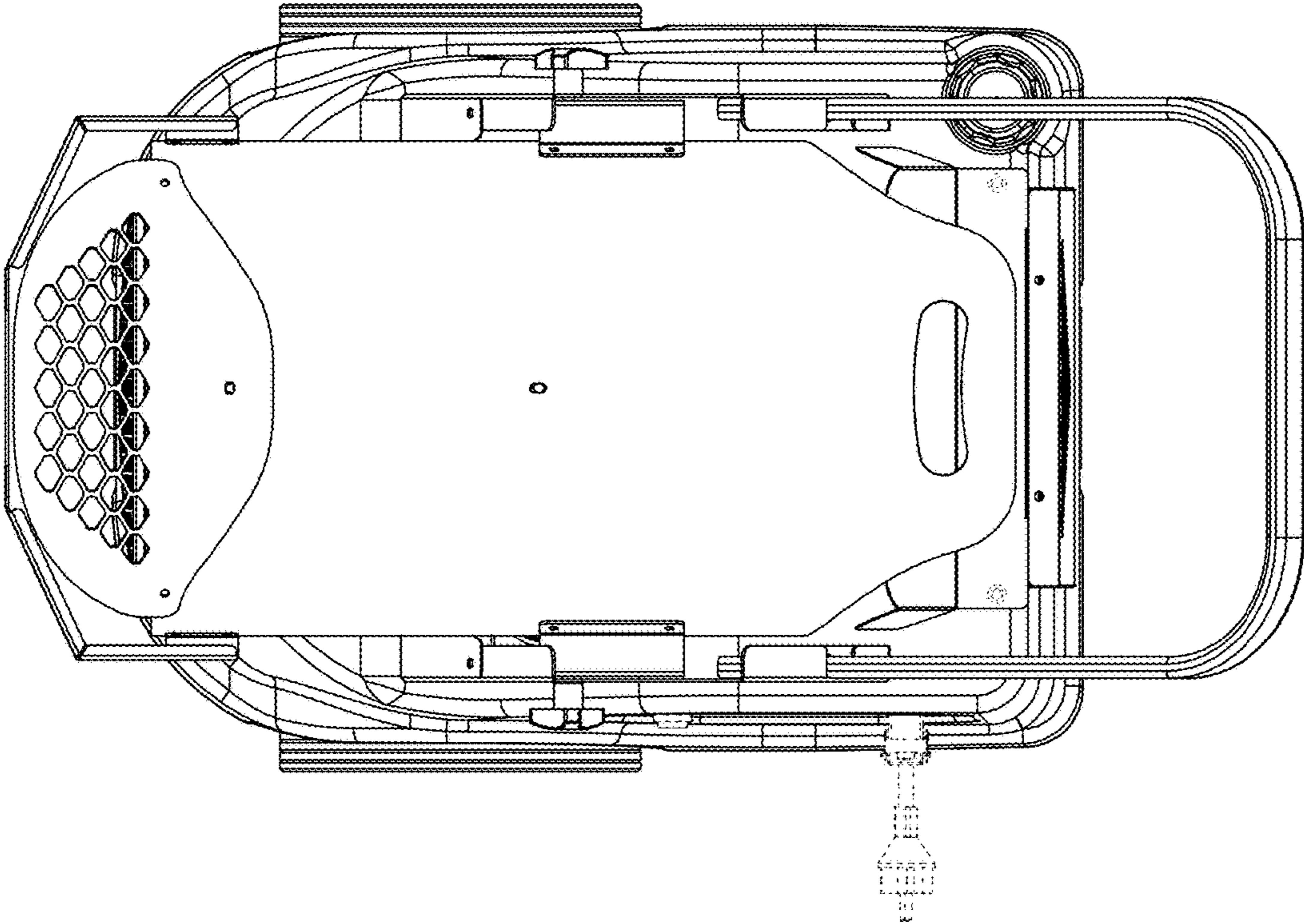


FIG. 7