



US00D803895S

(12) **United States Design Patent** (10) **Patent No.:** **US D803,895 S**  
**Sigwarth et al.** (45) **Date of Patent:** **\*\* Nov. 28, 2017**

(54) **ROTARY SCREW COMPRESSOR**

(71) Applicant: **Mi-T-M Corporation**, Peosta, IA (US)

(72) Inventors: **Jerry Sigwarth**, Holy Cross, IA (US);  
**Rich Zurcher**, Scales Mound, IL (US)

(73) Assignee: **Mi-T-M Corporation**, Peosta, IA (US)

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

(21) Appl. No.: **29/549,116**

(22) Filed: **Dec. 18, 2015**

(51) **LOC (10) Cl.** ..... **15-02**

(52) **U.S. Cl.**  
USPC ..... **D15/9**

(58) **Field of Classification Search**  
USPC ..... D15/7-9; D23/231, 232, 225; 417/60,  
417/235, 265, 321, 355, 358, 363, 359,  
417/410.1, 415-416, 405, 900, 269, 539;  
60/408, 412; 184/26-37; 415/140-147;  
123/495, 509; 137/565.34  
CPC ..... F02M 37/04; F02M 37/14; F04B 53/92;  
F04B 1/005; F04B 35/06; F04C 28/125;  
F04C 15/0061; F04C 2/086  
See application file for complete search history.

6,406,281 B1 \* 6/2002 Aggradi ..... F04C 15/0061  
418/201.1

D565,602 S \* 4/2008 Van Bosstraeten ..... D15/9

D574,859 S \* 8/2008 Hernandez ..... D15/9

D589,059 S \* 3/2009 Pagotto ..... D15/7

7,862,315 B2 \* 1/2011 Rohlfing ..... F04C 2/086  
418/201.1

D657,393 S \* 4/2012 Pauwels ..... D15/9

D657,799 S \* 4/2012 Jung ..... D15/7

D658,209 S \* 4/2012 Pauwels ..... D15/9

D658,210 S \* 4/2012 Pauwels ..... D15/9

D662,516 S \* 6/2012 Pellin ..... D15/7

D662,517 S \* 6/2012 Hawkins ..... D15/9

D691,639 S \* 10/2013 Hirai ..... D15/7

D733,189 S \* 6/2015 Irick ..... D15/7

D749,138 S \* 2/2016 Martinez Sanudo ..... D15/7

\* cited by examiner

*Primary Examiner* — Ralf Seifert  
(74) *Attorney, Agent, or Firm* — McKee, Voorhees & Sease, PLC

(57) **CLAIM**  
The ornamental design for a rotary screw compressor.

**DESCRIPTION**

FIG. 1 is a perspective view of the embodiment thereof;  
FIG. 2 is a back view of the embodiment thereof;  
FIG. 3 is a front view of the embodiment thereof,  
FIG. 4 is a right side view of the embodiment thereof,  
FIG. 5 is a left side view of the embodiment thereof,  
FIG. 6 is a top view of the embodiment thereof; and,  
FIG. 7 is a bottom view of the embodiment thereof.  
The broken line showing of elements shown throughout the drawings is included for the purpose of illustrating non-claimed environmental matter and forms no part of the claimed design.

**1 Claim, 7 Drawing Sheets**

(56) **References Cited**  
U.S. PATENT DOCUMENTS

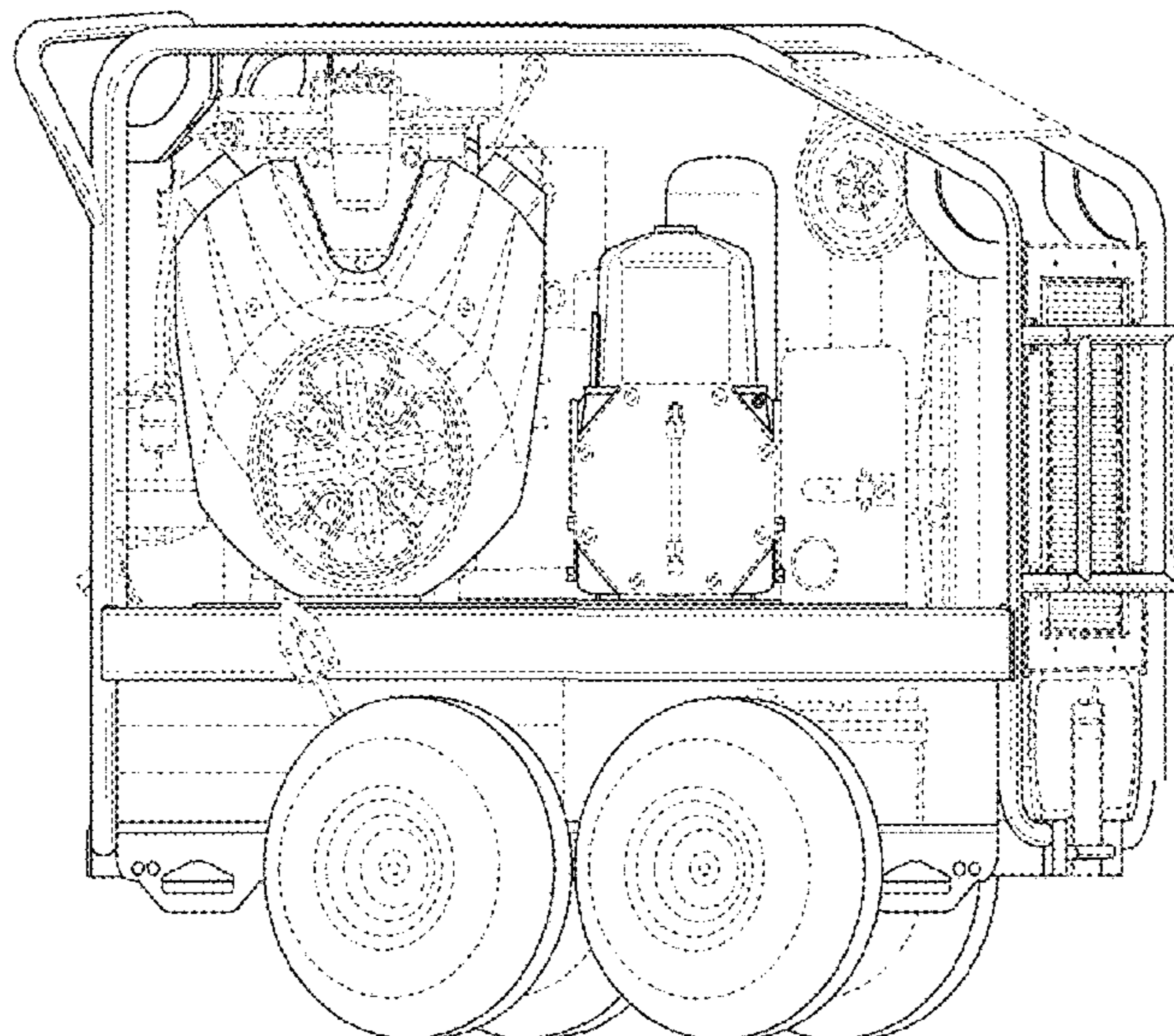
3,869,227 A \* 3/1975 Kocher ..... F04C 28/125  
418/15

4,077,747 A \* 3/1978 Burenga ..... F04B 35/06  
417/234

D249,265 S \* 9/1978 Nanjo ..... D15/9

D387,778 S \* 12/1997 Goodman ..... D15/9

D450,061 S \* 11/2001 Graber ..... D15/9





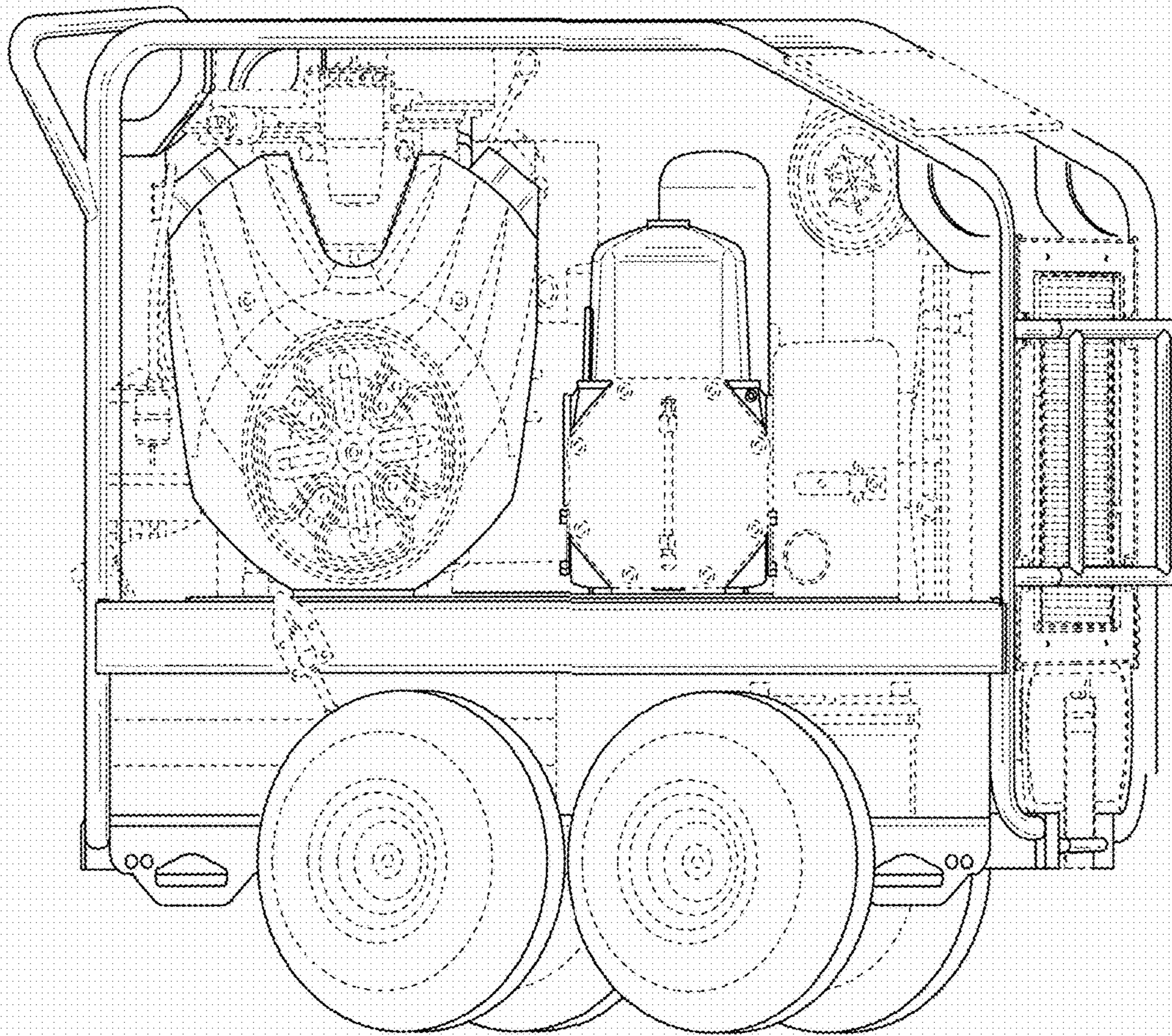


FIG. 1

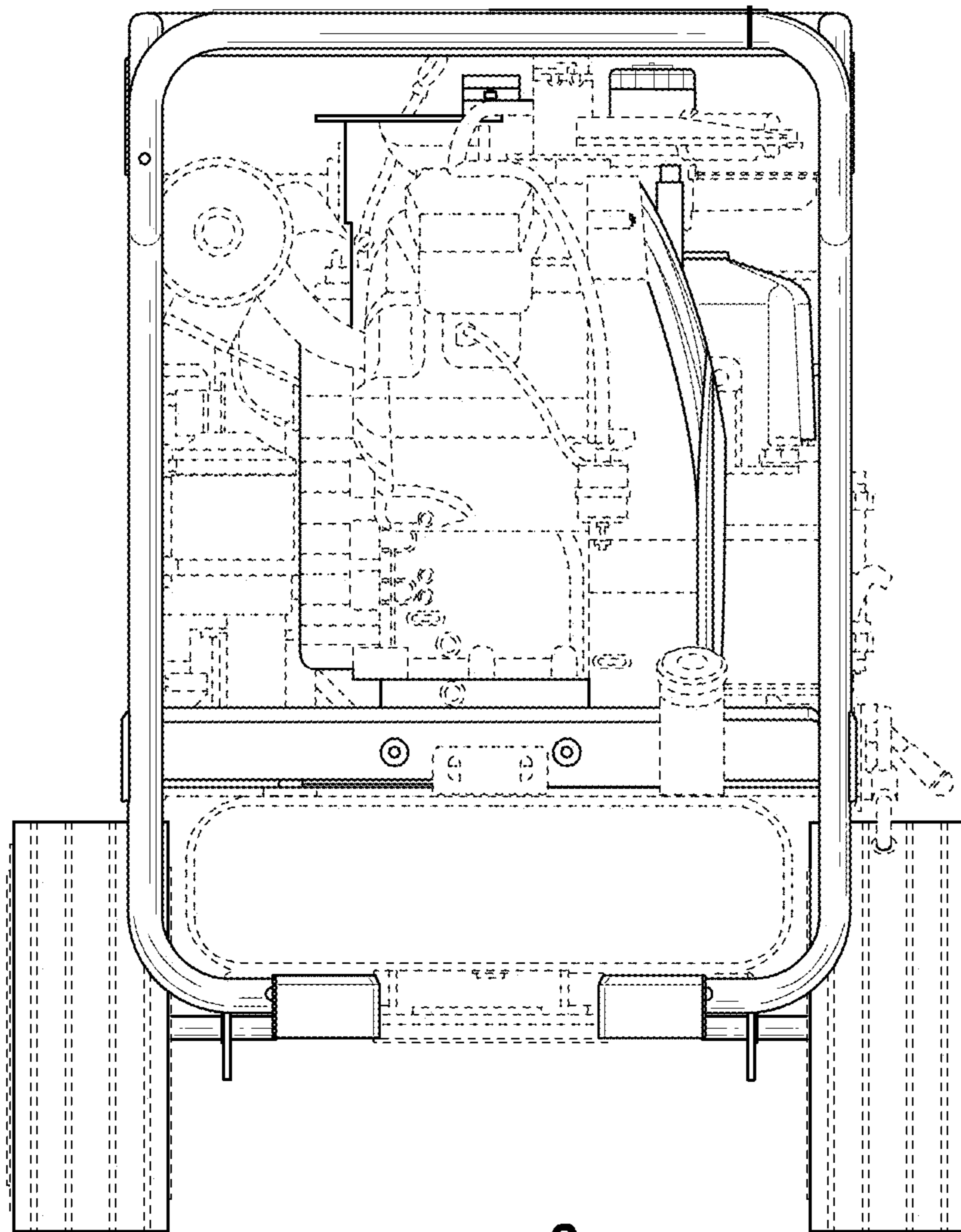


FIG. 2

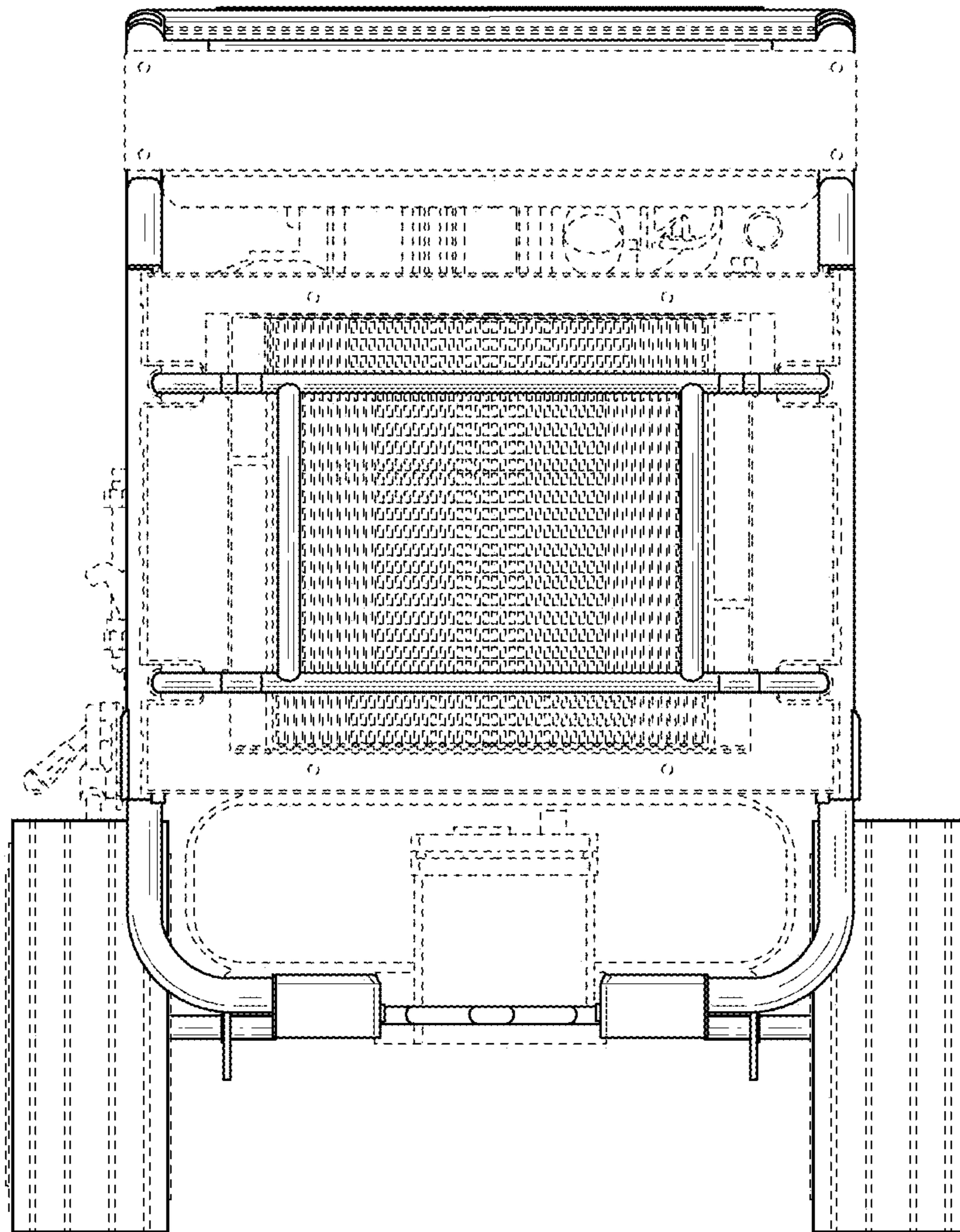


FIG. 3



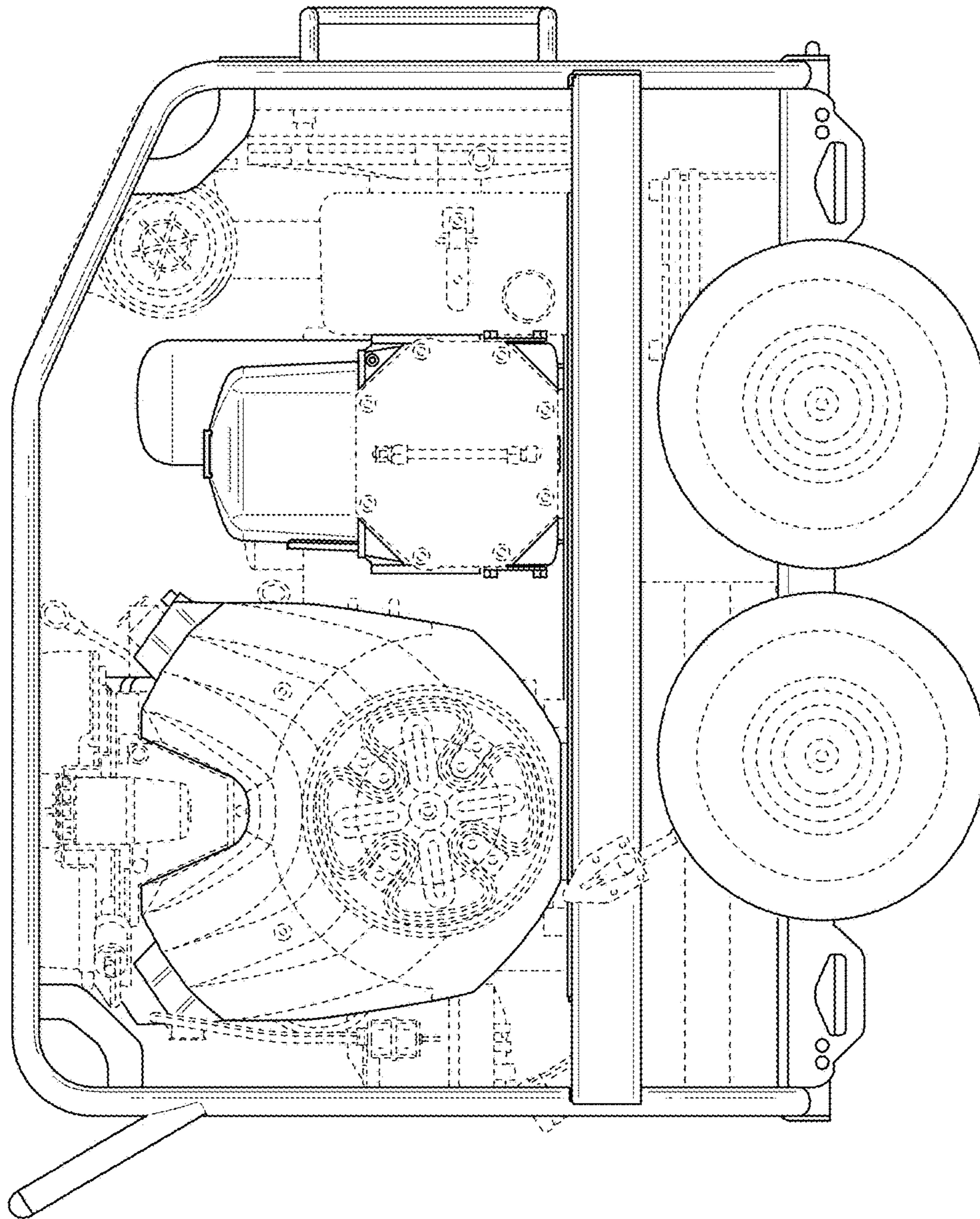


FIG. 4

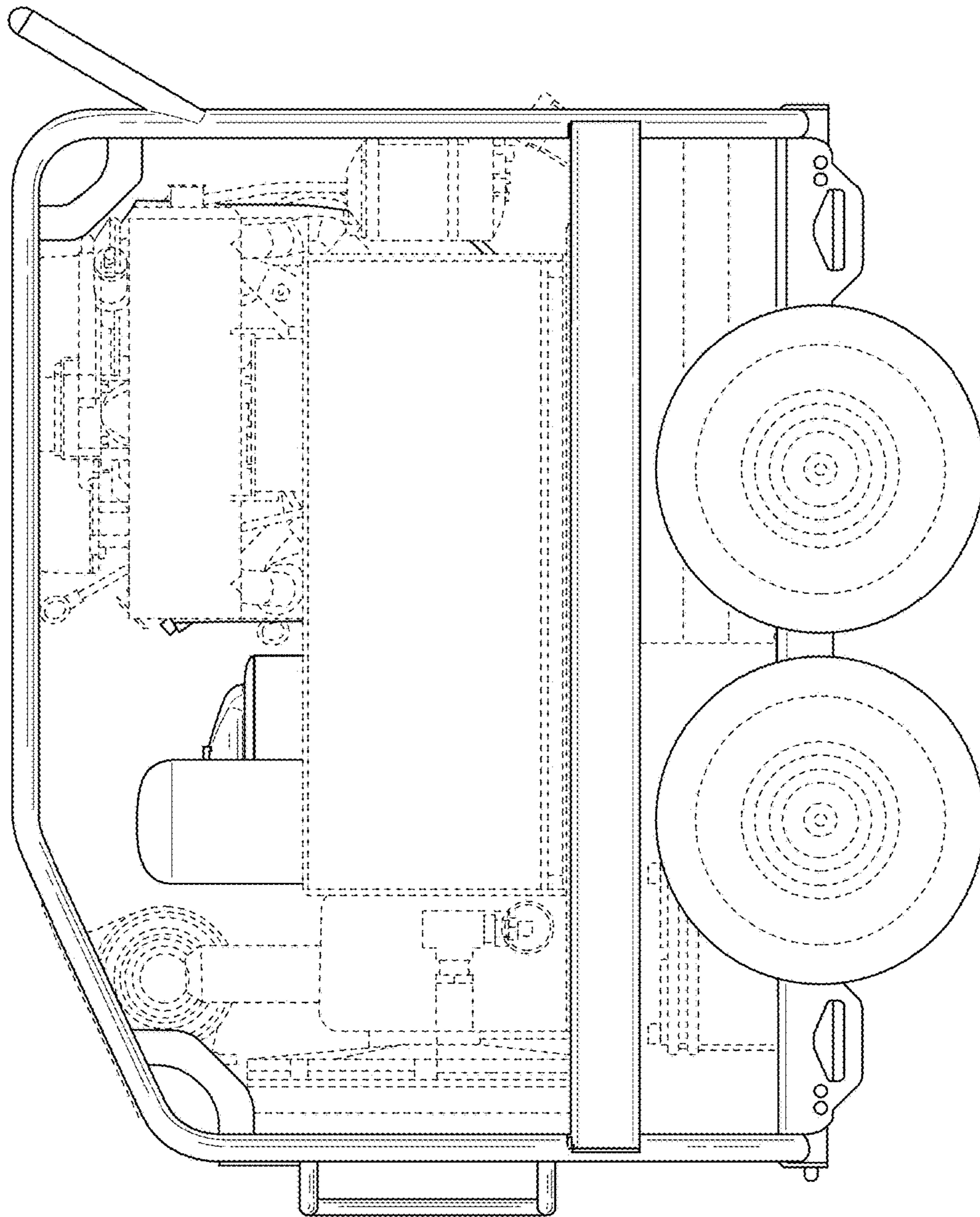


FIG. 5

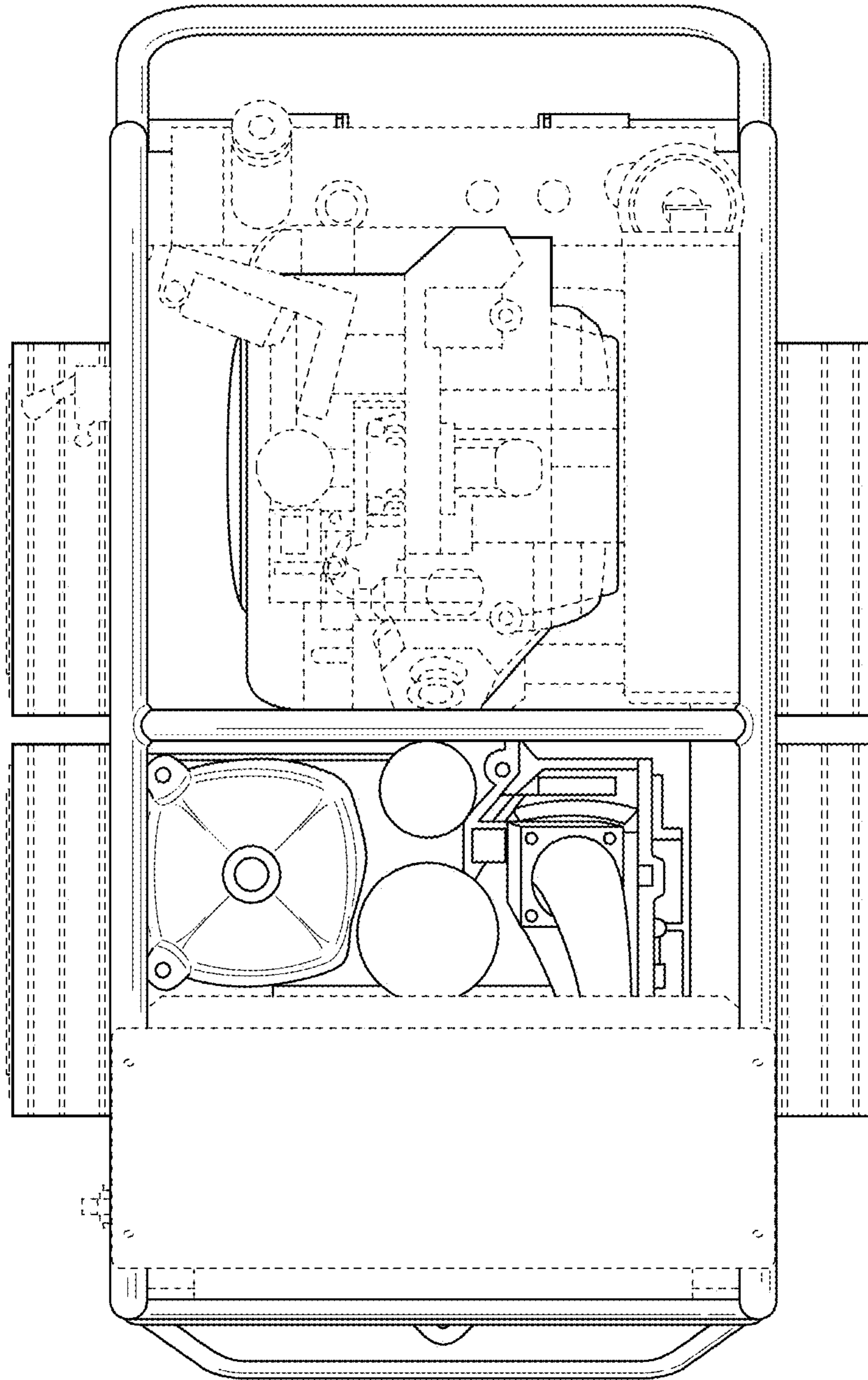


FIG. 6

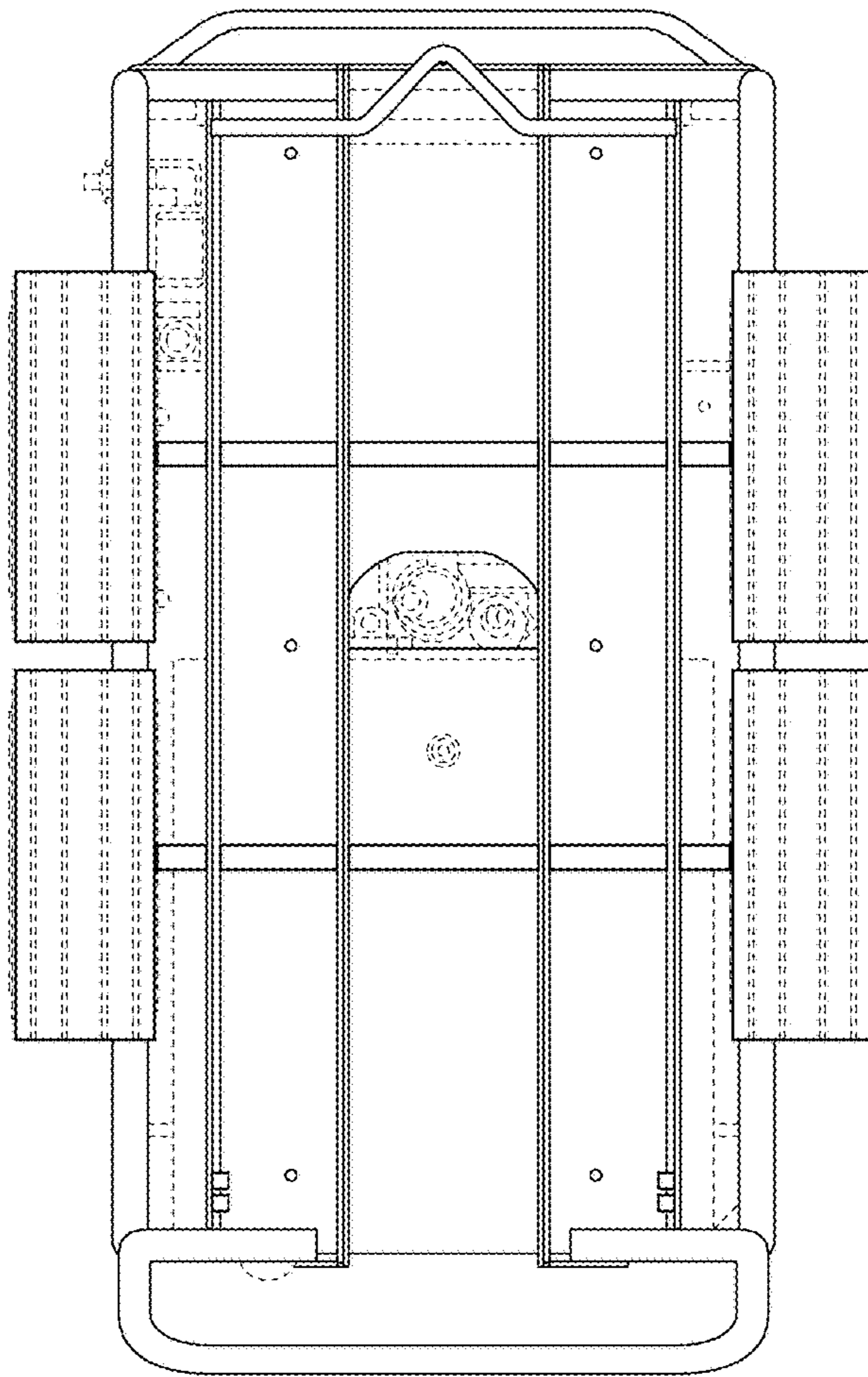


FIG. 7