



US00D715330S

(12) **United States Design Patent**  
**Hutchinson et al.**

(10) **Patent No.:** **US D715,330 S**  
(45) **Date of Patent:** **\*\* Oct. 14, 2014**

(54) **AUXILIARY POWER UNIT EXCAVATOR**

(71) Applicant: **Company Wrench, Ltd.**, Carroll, OH  
(US)

(72) Inventors: **Brad Hutchinson**, Lancaster, OH (US);  
**Eric Thornton**, Lancaster, OH (US)

(73) Assignee: **Company Wrench, Ltd.**, Carroll, OH  
(US)

(\*\*) Term: **14 Years**

(21) Appl. No.: **29/481,977**

(22) Filed: **Feb. 12, 2014**

(51) **LOC (10) Cl.** ..... **12-09**

(52) **U.S. Cl.**  
USPC ..... **D15/24; D15/22**

(58) **Field of Classification Search**  
CPC ..... E02F 3/966; E02F 3/2228; E02F 3/2296;  
E02F 3/2292; E02F 3/2285; E04G 23/08  
USPC ..... D15/10, 22-26; 37/403, 411, 443, 414,  
37/685, 686, 688; 180/89.13; 241/101.73,  
241/266; 173/43

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D273,384	S	*	4/1984	Nasu et al.	.....	D15/24
5,222,563	A	*	6/1993	Van Horlick	.....	172/111
5,273,217	A	*	12/1993	Bartels et al.	.....	241/30
D391,272	S	*	2/1998	Jin et al.	.....	D15/25
D406,152	S	*	2/1999	Miyaoka et al.	.....	D15/25
D409,629	S	*	5/1999	Miyaoka et al.	.....	D15/25
D431,253	S	*	9/2000	Marchetta et al.	.....	D15/25
D432,145	S	*	10/2000	Kraft et al.	.....	D15/30
D433,689	S	*	11/2000	Kraft et al.	.....	D15/30
D437,602	S	*	2/2001	Hiraoka et al.	.....	D15/25
6,227,307	B1	*	5/2001	Lee	.....	173/78
D450,331	S	*	11/2001	Murakami et al.	.....	D15/25

D450,717	S	*	11/2001	Muraro	.....	D15/25
6,321,854	B1	*	11/2001	Bisutti	.....	173/206
6,430,849	B1	*	8/2002	Underwood	.....	37/403
D462,973	S	*	9/2002	Tamaru et al.	.....	D15/25
D462,974	S	*	9/2002	Yanagida et al.	.....	D15/25
6,568,615	B2	*	5/2003	Klemm	.....	241/101.73
D518,071	S	*	3/2006	Gwak et al.	.....	D15/25
D538,304	S	*	3/2007	Uemura	.....	D15/25
D540,828	S	*	4/2007	Johnson et al.	.....	D15/25
7,257,910	B2	*	8/2007	Underwood	.....	37/403
D609,252	S	*	2/2010	Shimada et al.	.....	D15/25
D631,067	S	*	1/2011	Nishimura et al.	.....	D15/24
D658,211	S	*	4/2012	Hiraoka et al.	.....	D15/25

(Continued)

*Primary Examiner* — Mark Goodwin

(74) *Attorney, Agent, or Firm* — Roger A. Gilcrest

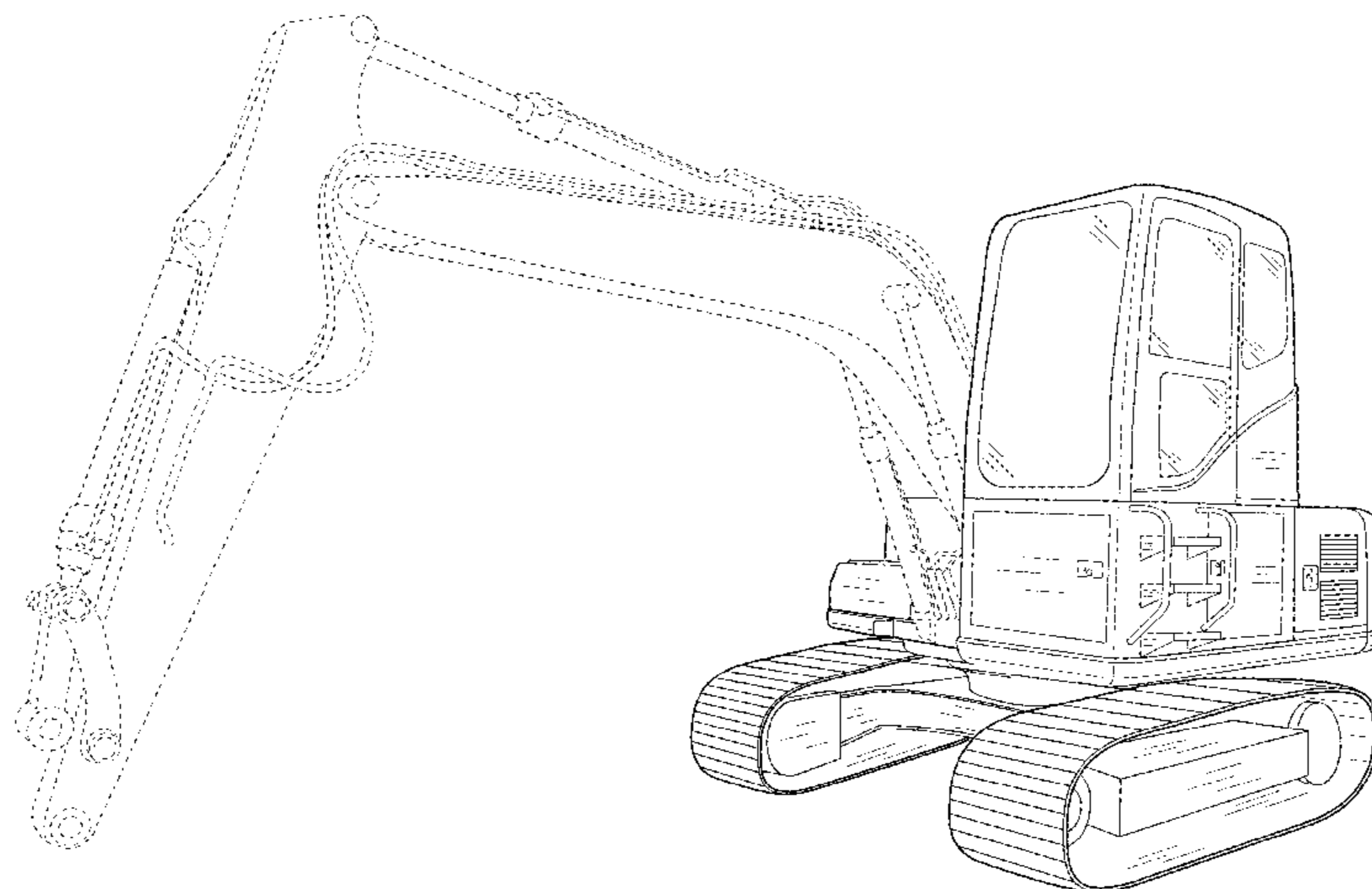
(57) **CLAIM**

The ornamental design for an auxiliary power unit excavator, as shown and described.

**DESCRIPTION**

FIG. 1 is a left side elevation view of the auxiliary power unit excavator;  
 FIG. 2 is a right side elevation view of the auxiliary power unit excavator;  
 FIG. 3 is a top side elevation view of the auxiliary power unit excavator;  
 FIG. 4 is a bottom side elevation view of the auxiliary power unit excavator;  
 FIG. 5 is a front side elevation view of the auxiliary power unit excavator;  
 FIG. 6 is a back side elevation view of the auxiliary power unit excavator; and,  
 FIG. 7 is a left front perspective view of the auxiliary power unit excavator.  
 The broken line portions of the auxiliary power unit excavator shown in FIGS. 1-7 are for environment or application purposes only, and form no part of the claimed design.

**1 Claim, 6 Drawing Sheets**



# US D715,330 S

Page 2

---

(56)

## References Cited

### U.S. PATENT DOCUMENTS

D663,324 S \* 7/2012 Fuchita et al. .... D15/25  
8,387,289 B2 \* 3/2013 Hanakawa et al. .... 37/348  
D681,689 S \* 5/2013 Saito et al. .... D15/24

D682,322 S \* 5/2013 Suzuki ..... D15/25  
D684,598 S \* 6/2013 Hagura et al. .... D15/24  
D684,599 S \* 6/2013 Saito et al. .... D15/24

\* cited by examiner

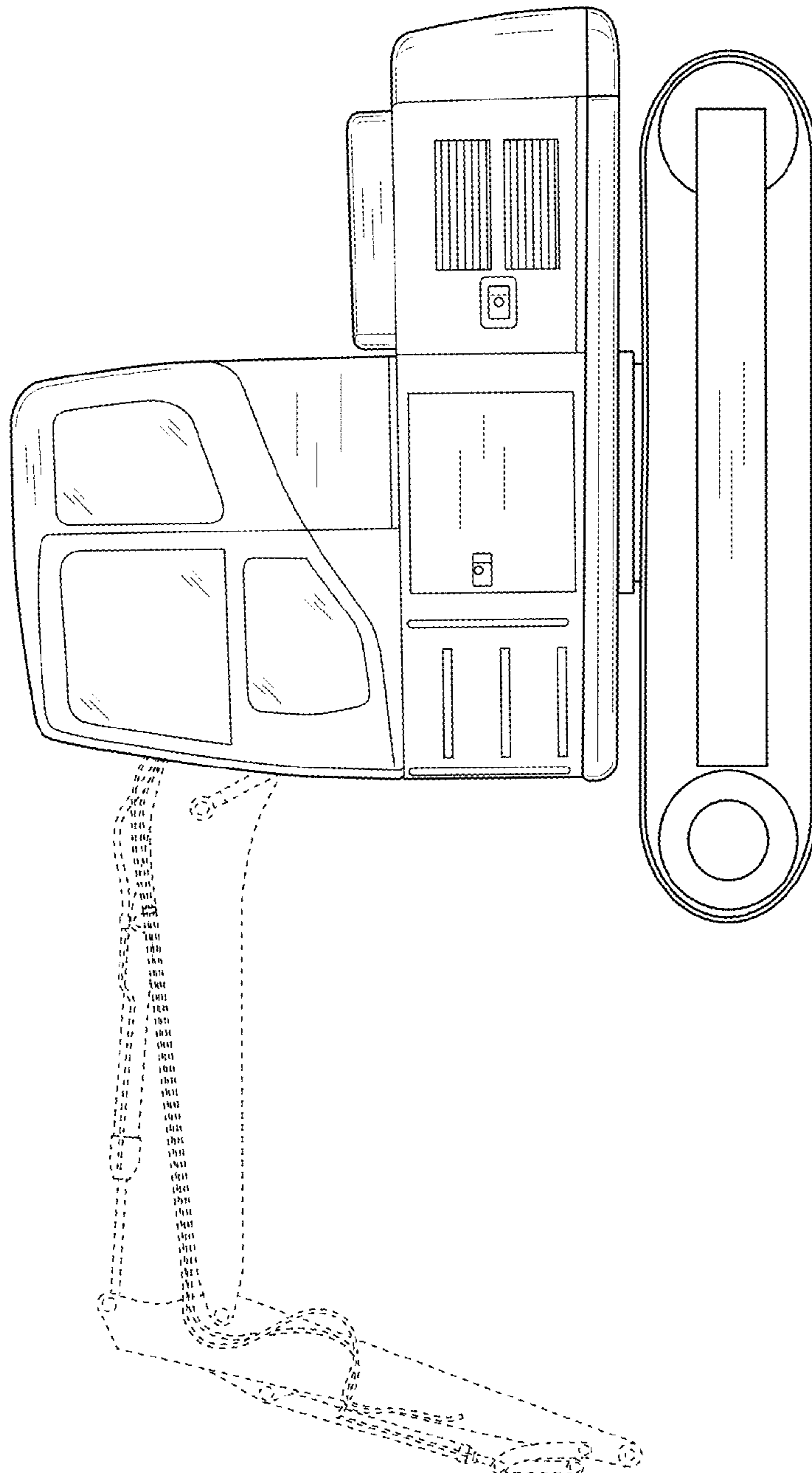


FIG. 1

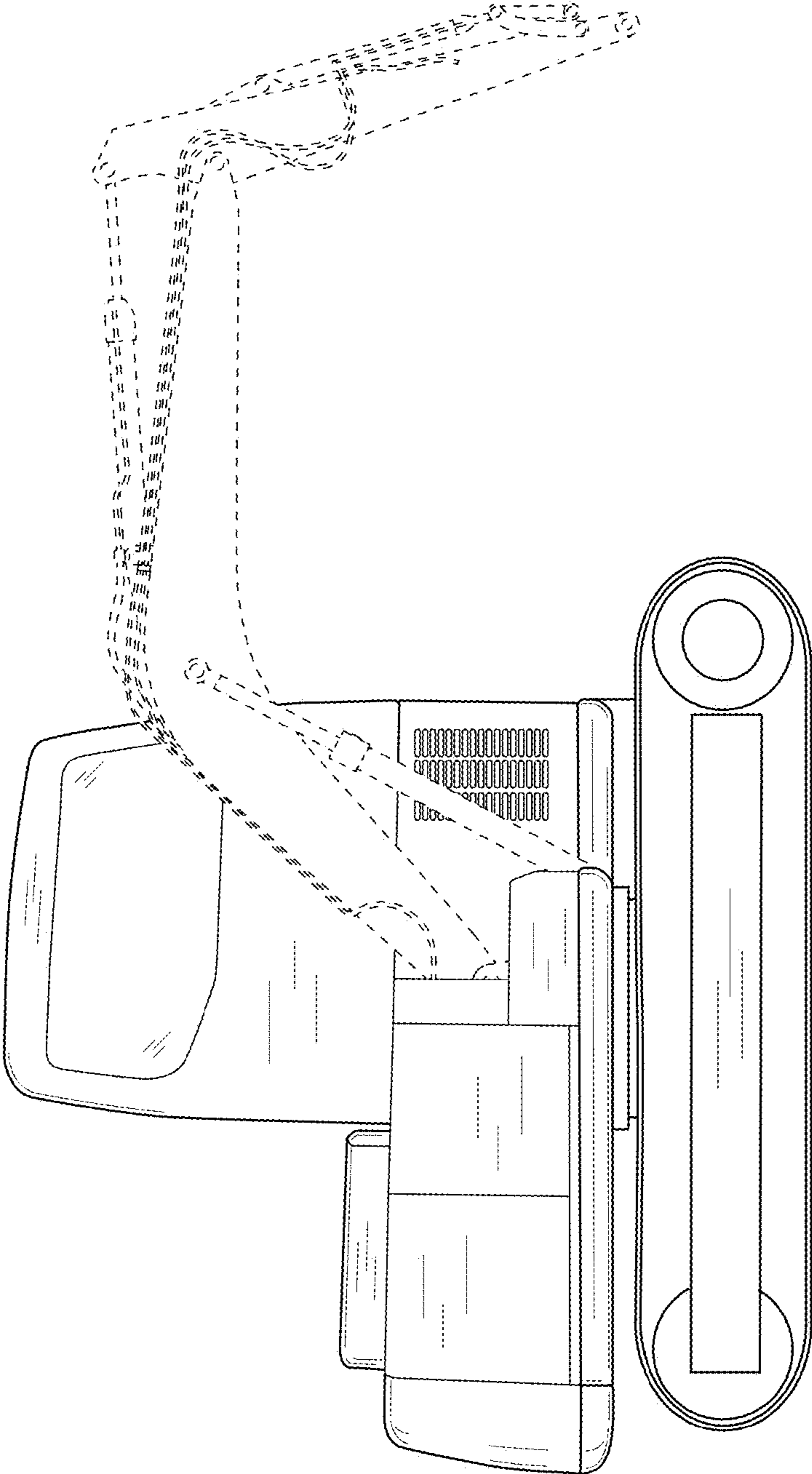


FIG. 2

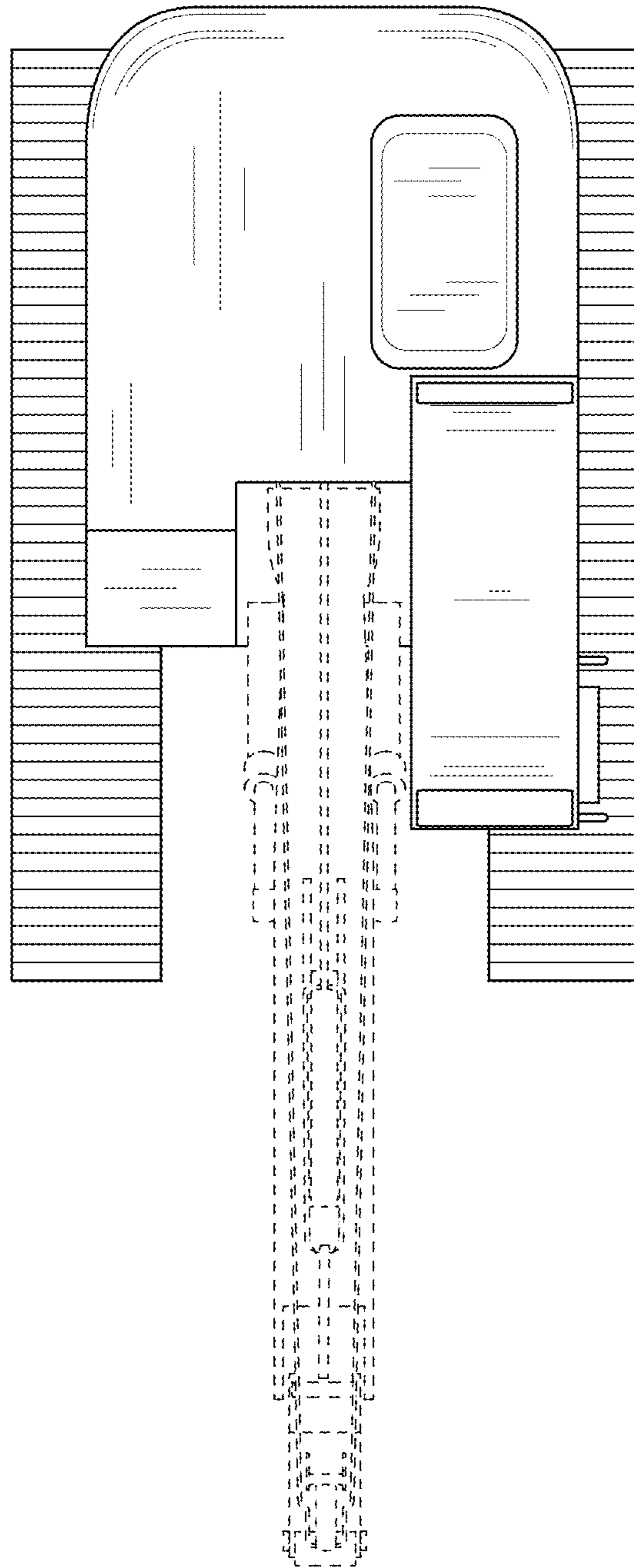


FIG. 3

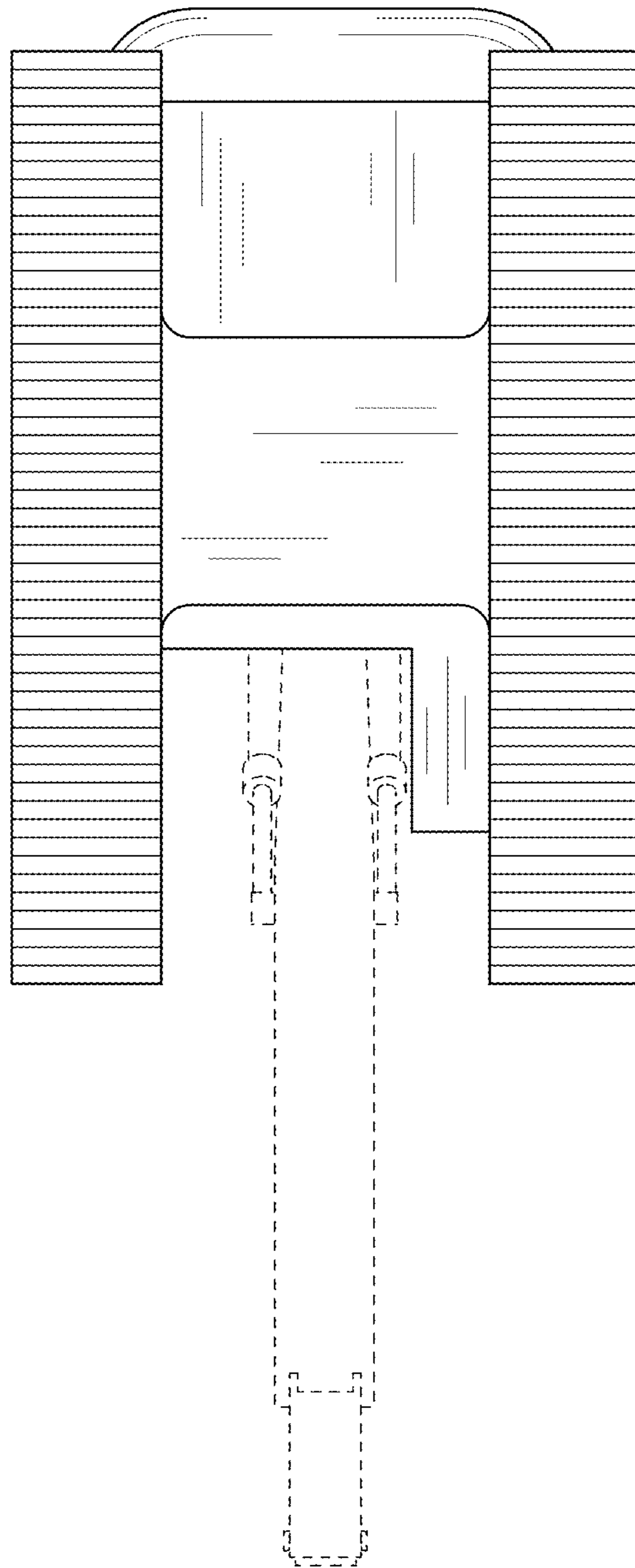


FIG. 4

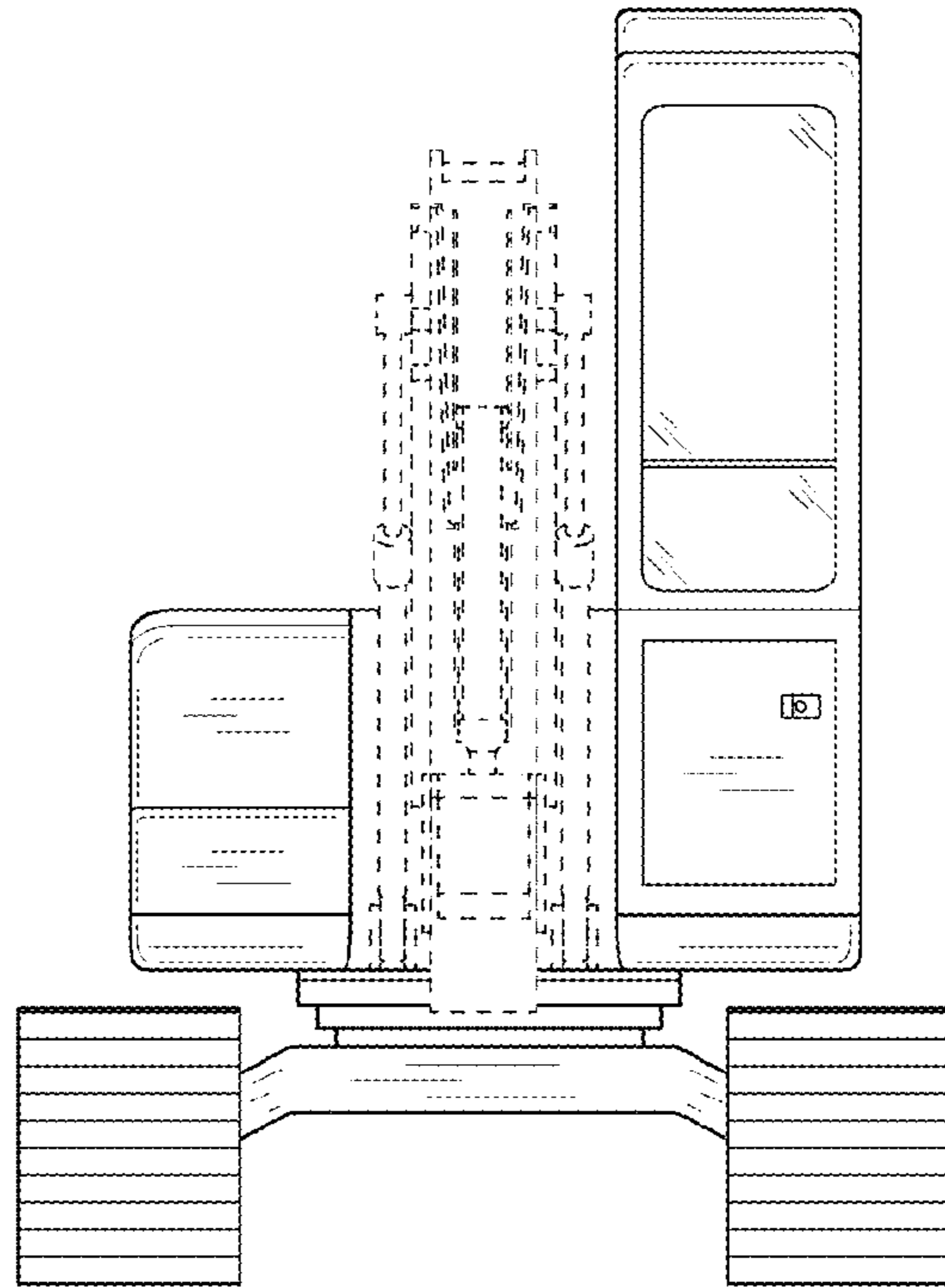


FIG. 5

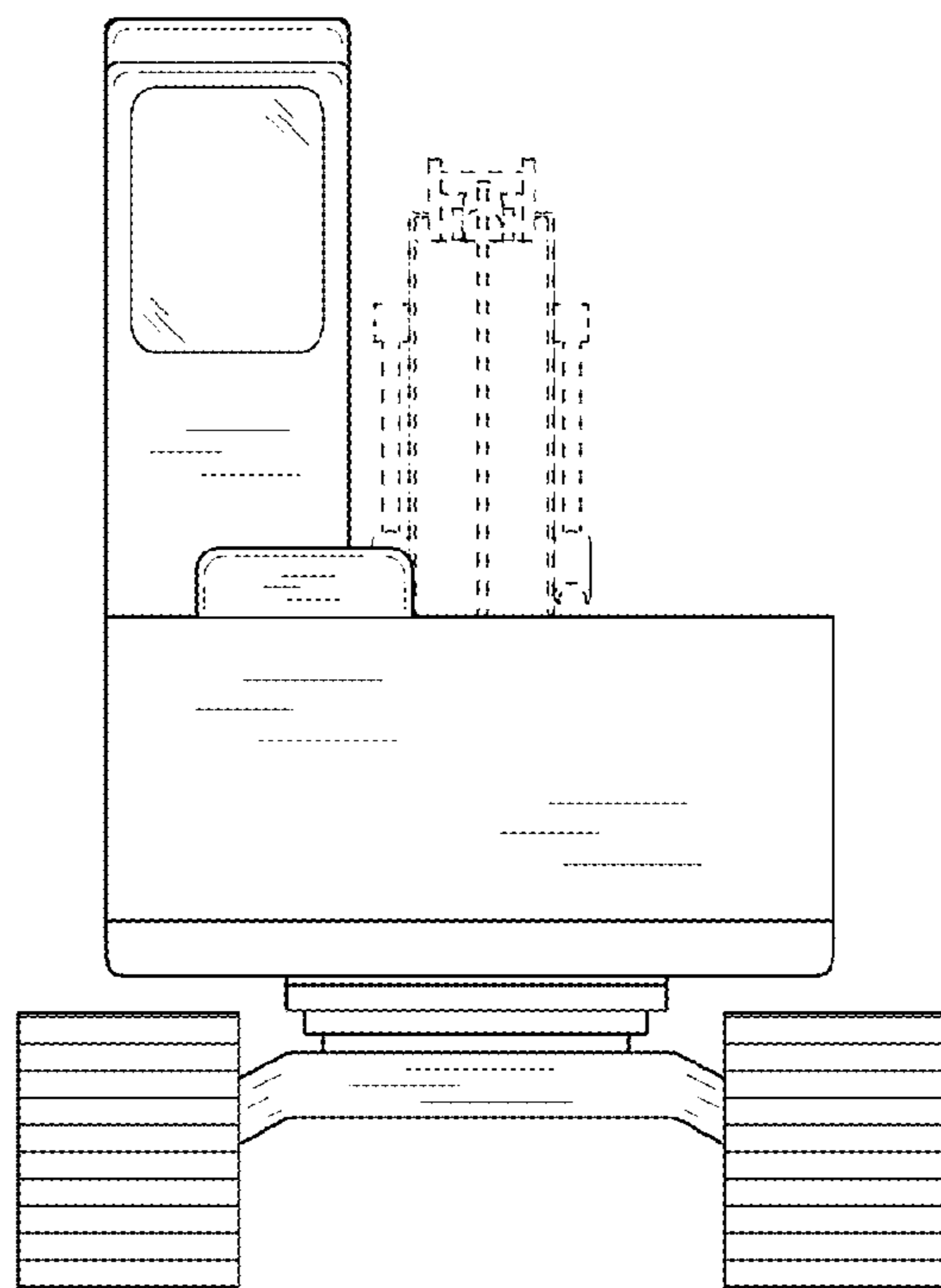


FIG. 6

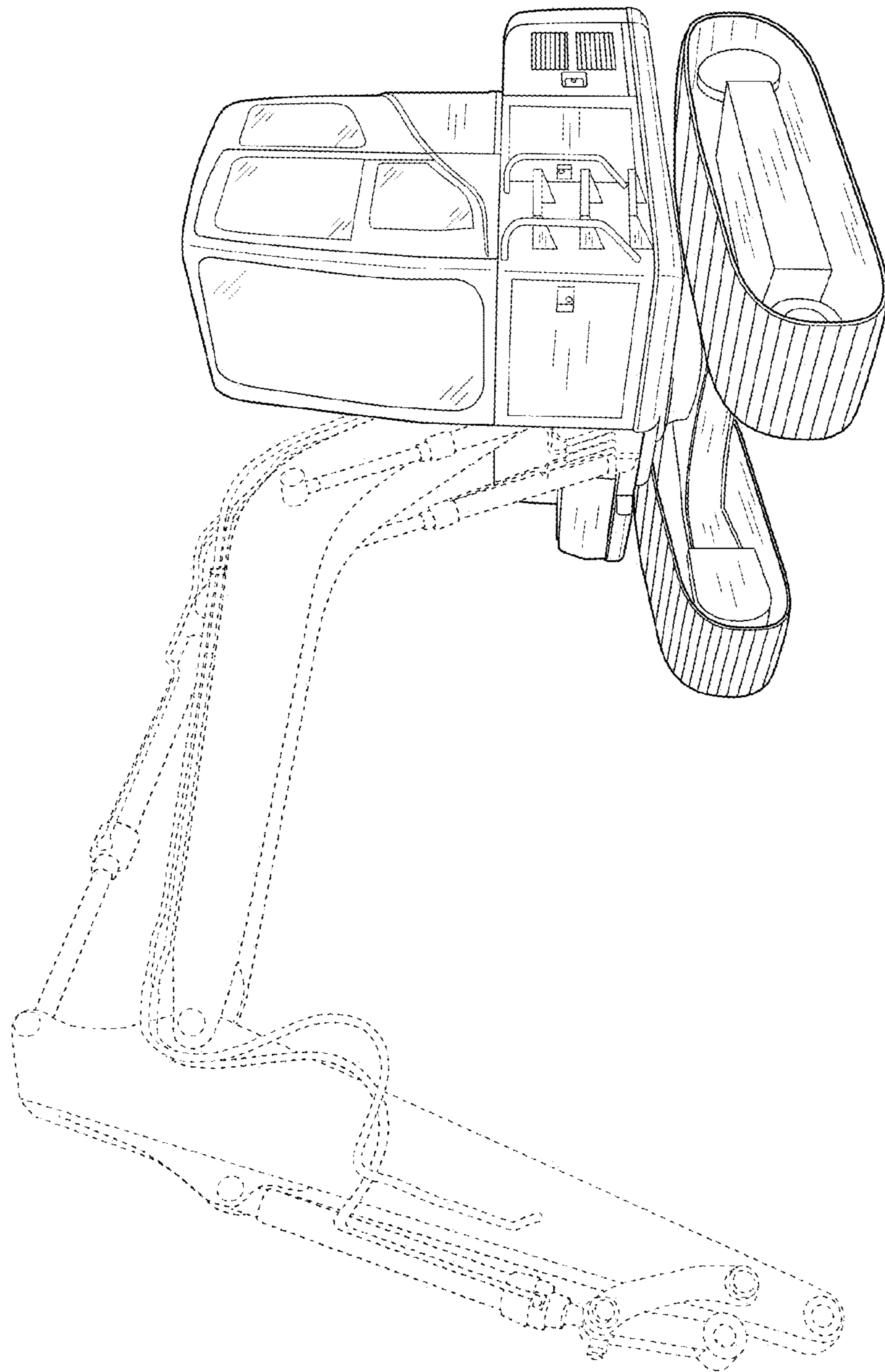


FIG. 7