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

(10) **Patent No.:** **US D682,322 S**

(45) **Date of Patent:** **** May 14, 2013**

(54) **HYDRAULIC EXCAVATOR**

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(73) Assignee: **Komatsu Ltd.** (JP)

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

(21) Appl. No.: **29/406,118**

(22) Filed: **Nov. 10, 2011**

(30) **Foreign Application Priority Data**

May 12, 2011 (JP) 2011-010680
May 12, 2011 (JP) 2011-010690

(51) **LOC (9) Cl.** **12-09**

(52) **U.S. Cl.**
USPC **D15/25**

(58) **Field of Classification Search** D15/10,
D15/22-26; 37/403, 411, 443; 414/685,
414/686, 688, 722-724; 180/89.13
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | | | |
|-----------|-----|--------|-----------------|-------|-----------|
| 4,369,989 | A * | 1/1983 | Mankey | | 280/764.1 |
| 4,397,481 | A * | 8/1983 | Dion et al. | | 280/781 |
| 5,222,563 | A * | 6/1993 | Van Horlick | | 172/111 |
| 5,544,435 | A * | 8/1996 | Somero | | 37/405 |
| 5,590,482 | A * | 1/1997 | Peterson et al. | | 37/403 |
| D391,272 | S * | 2/1998 | Jin et al. | | D15/25 |
| D409,629 | S * | 5/1999 | Miyaoka et al. | | D15/25 |
| D410,471 | S * | 6/1999 | Tamane et al. | | D15/25 |
| D437,602 | S * | 2/2001 | Hiraoka et al. | | D15/25 |
| D460,975 | S * | 7/2002 | Yanagida et al. | | D15/25 |
| D462,973 | S * | 9/2002 | Tamaru et al. | | D15/25 |
| D462,974 | S * | 9/2002 | Yanagida et al. | | D15/25 |

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|----------|-----|--------|----------------|-------|--------|
| D534,552 | S * | 1/2007 | Yanagida | | D15/25 |
| D663,324 | S * | 7/2012 | Fuchita et al. | | D15/25 |
| D663,751 | S * | 7/2012 | Yogita et al. | | D15/25 |

* cited by examiner

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(57) **CLAIM**

The ornamental design for a hydraulic excavator, as shown and described.

DESCRIPTION

The patent or application file contains at least one drawing executed in color. Copies of this patent or patent application publication with color drawing(s) will be provided by the Office upon request and payment of the necessary fee.

FIG. 1 is a front perspective view of a first embodiment of a hydraulic excavator showing my new design;
FIG. 2 is a rear perspective view thereof;
FIG. 3 is a right side elevational view thereof;
FIG. 4 is a left side elevational view thereof;
FIG. 5 is a top plan view thereof;
FIG. 6 is a rear elevational view thereof;
FIG. 7 is a front elevational view thereof;
FIG. 8 is a front perspective view of a second embodiment of a hydraulic excavator showing my new design;
FIG. 9 is a rear perspective view thereof;
FIG. 10 is a right side elevational view thereof;
FIG. 11 is a left side elevational view thereof;
FIG. 12 is a top plan view thereof;
FIG. 13 is a rear elevational view thereof; and,
FIG. 14 is a front elevational view thereof.

1 Claim, 14 Drawing Sheets
(7 of 14 Drawing Sheet(s) Filed in Color)

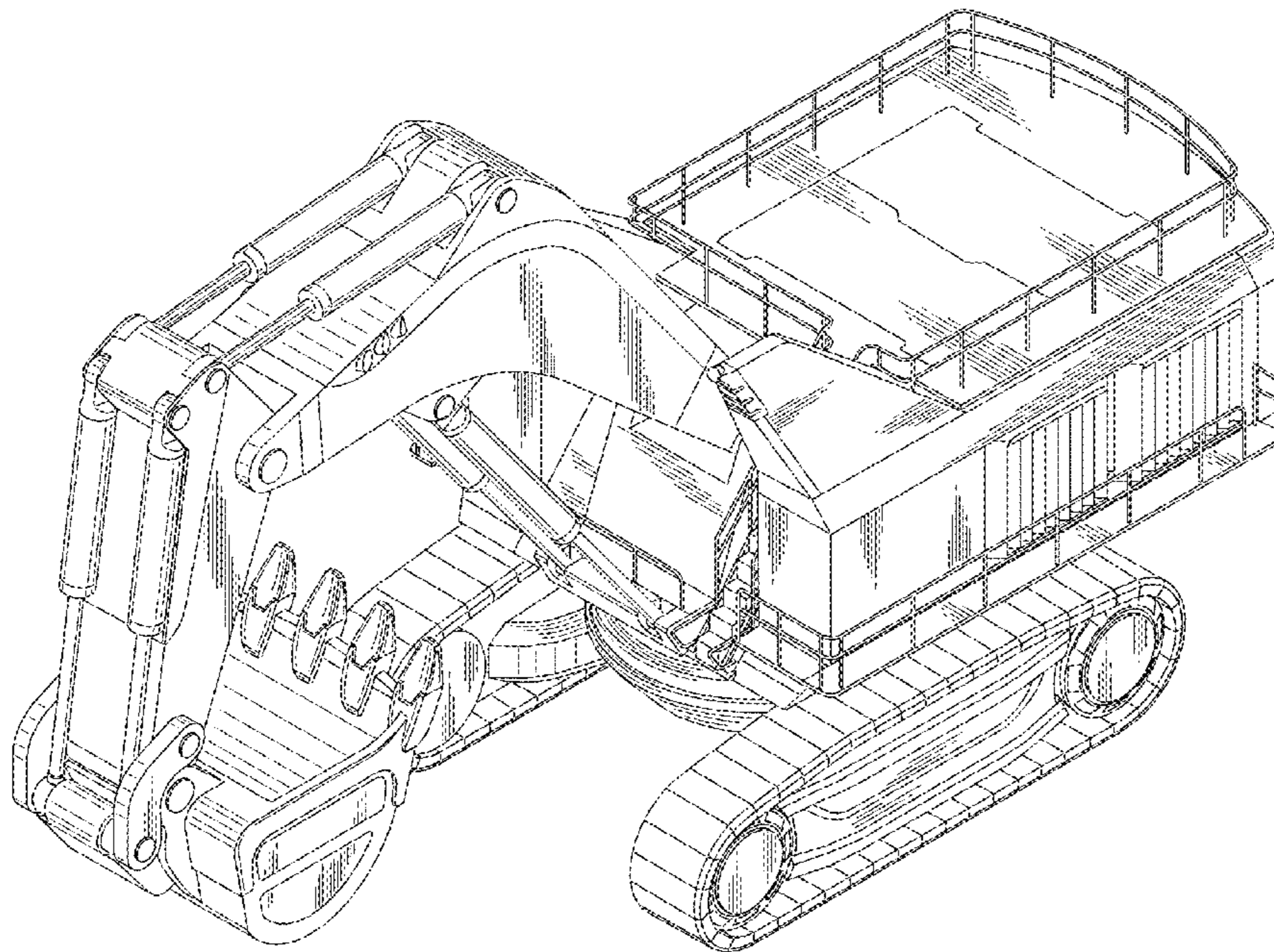


FIG. 1

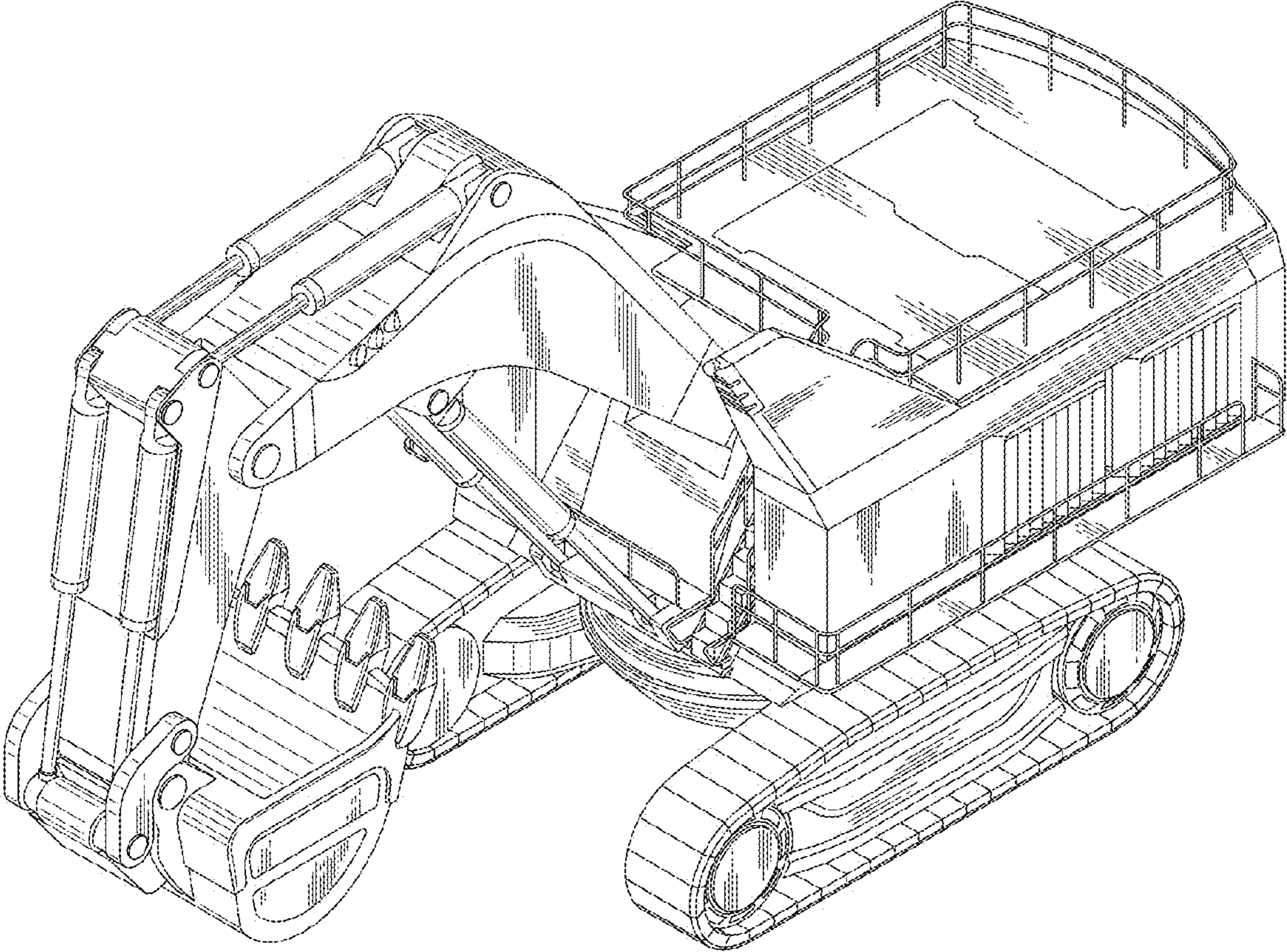


FIG. 2

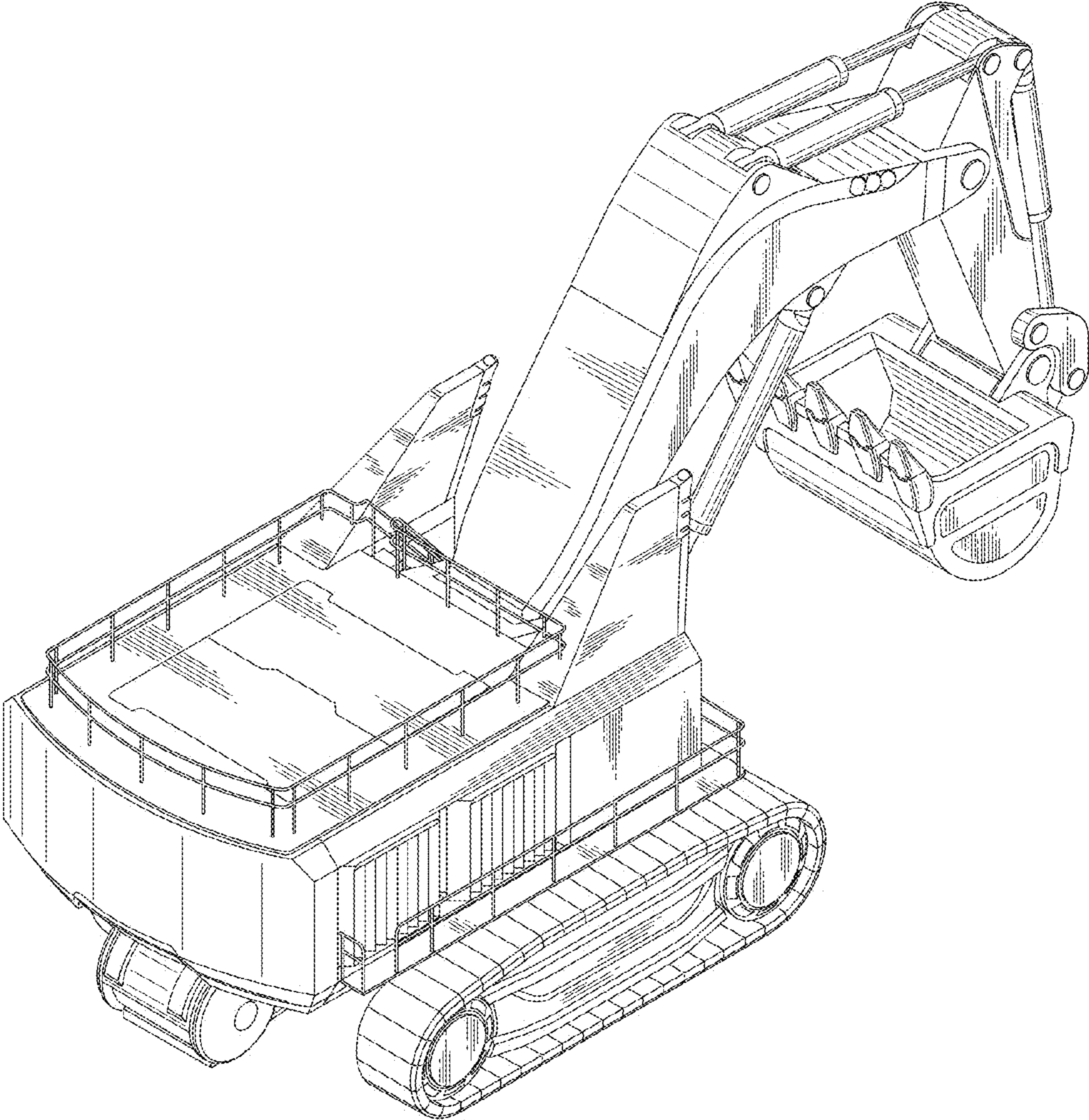
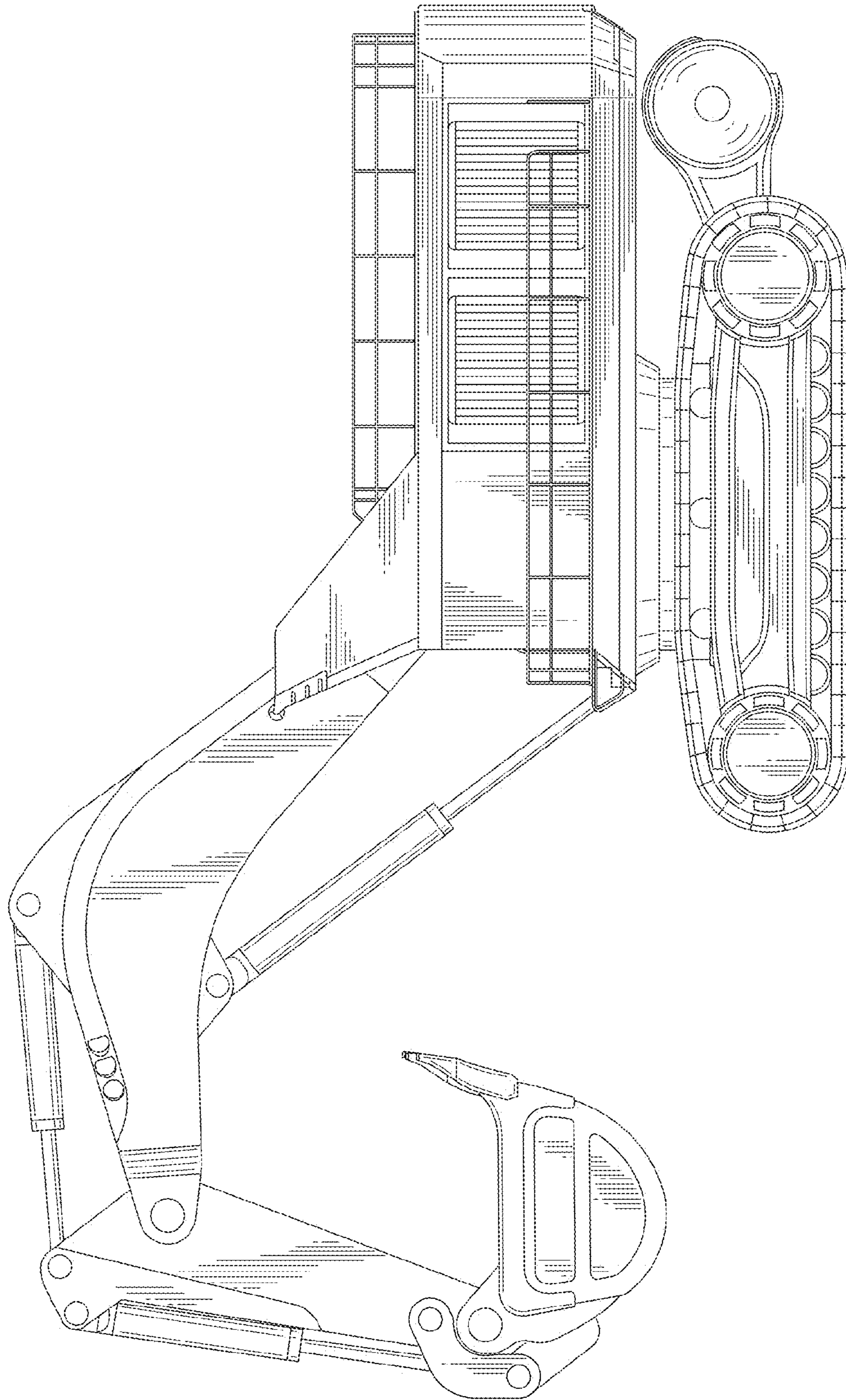


FIG. 3



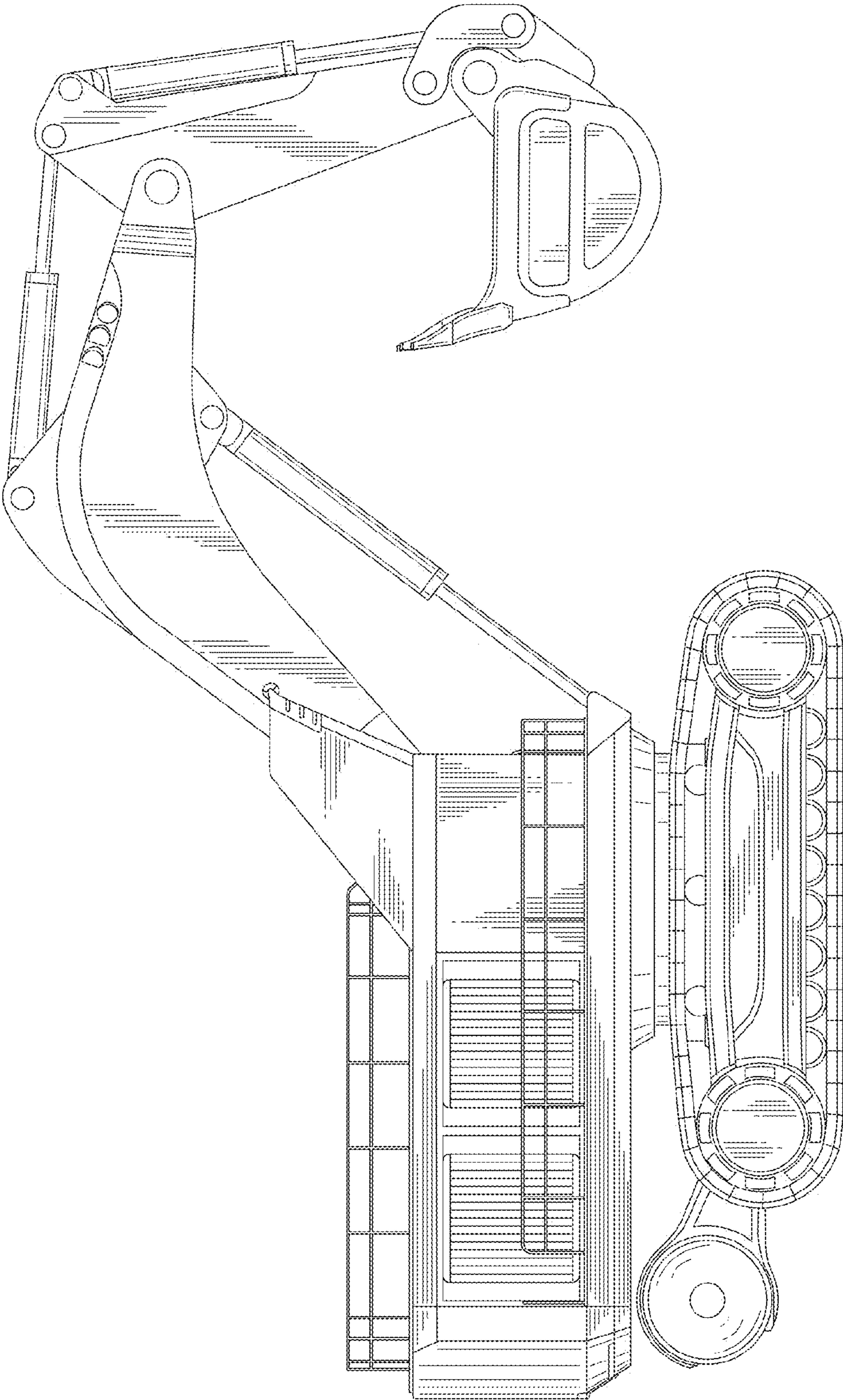


FIG. 4

FIG. 5

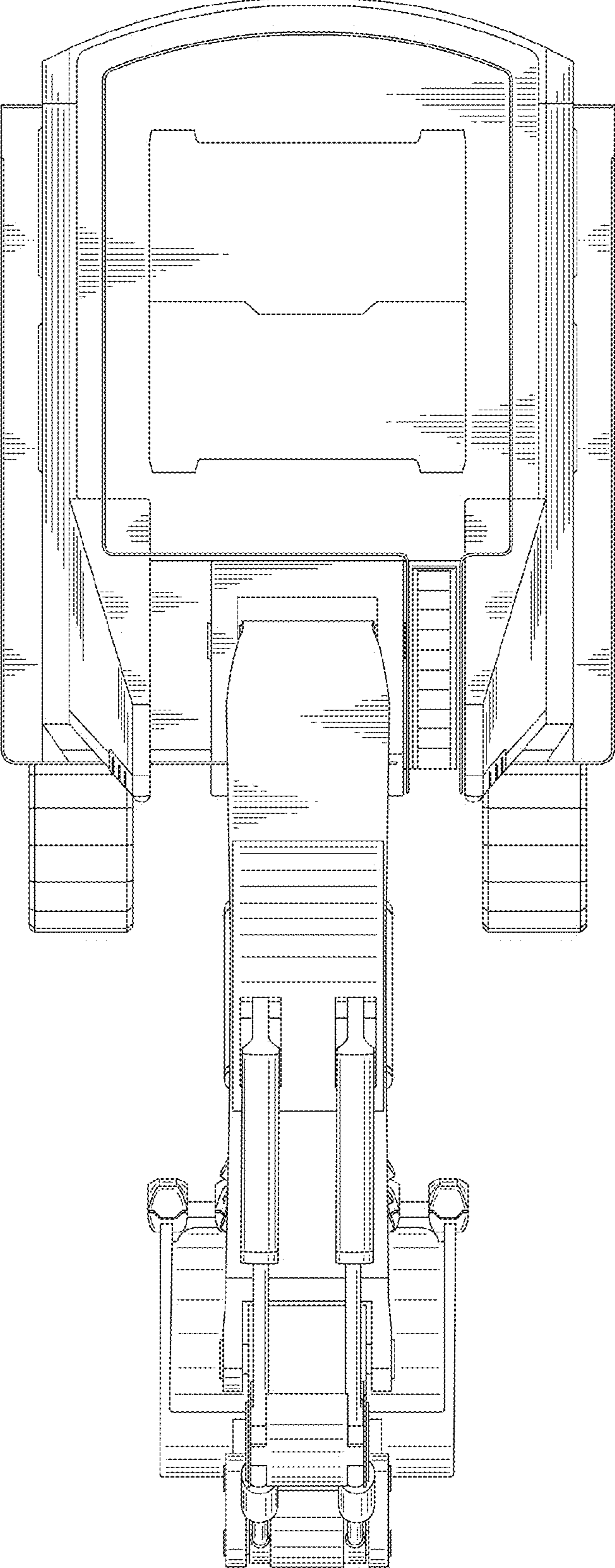


FIG. 6

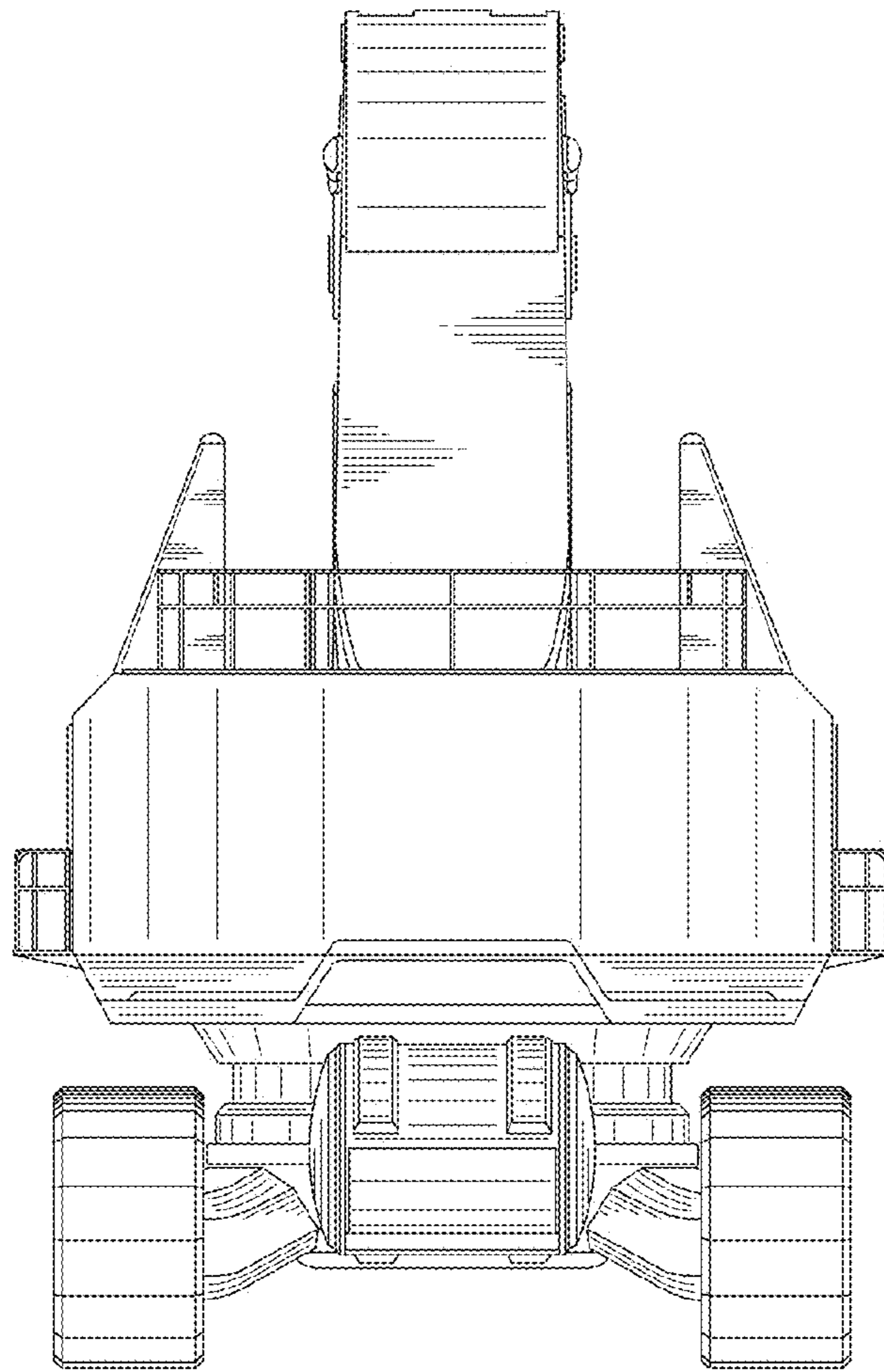


FIG. 7

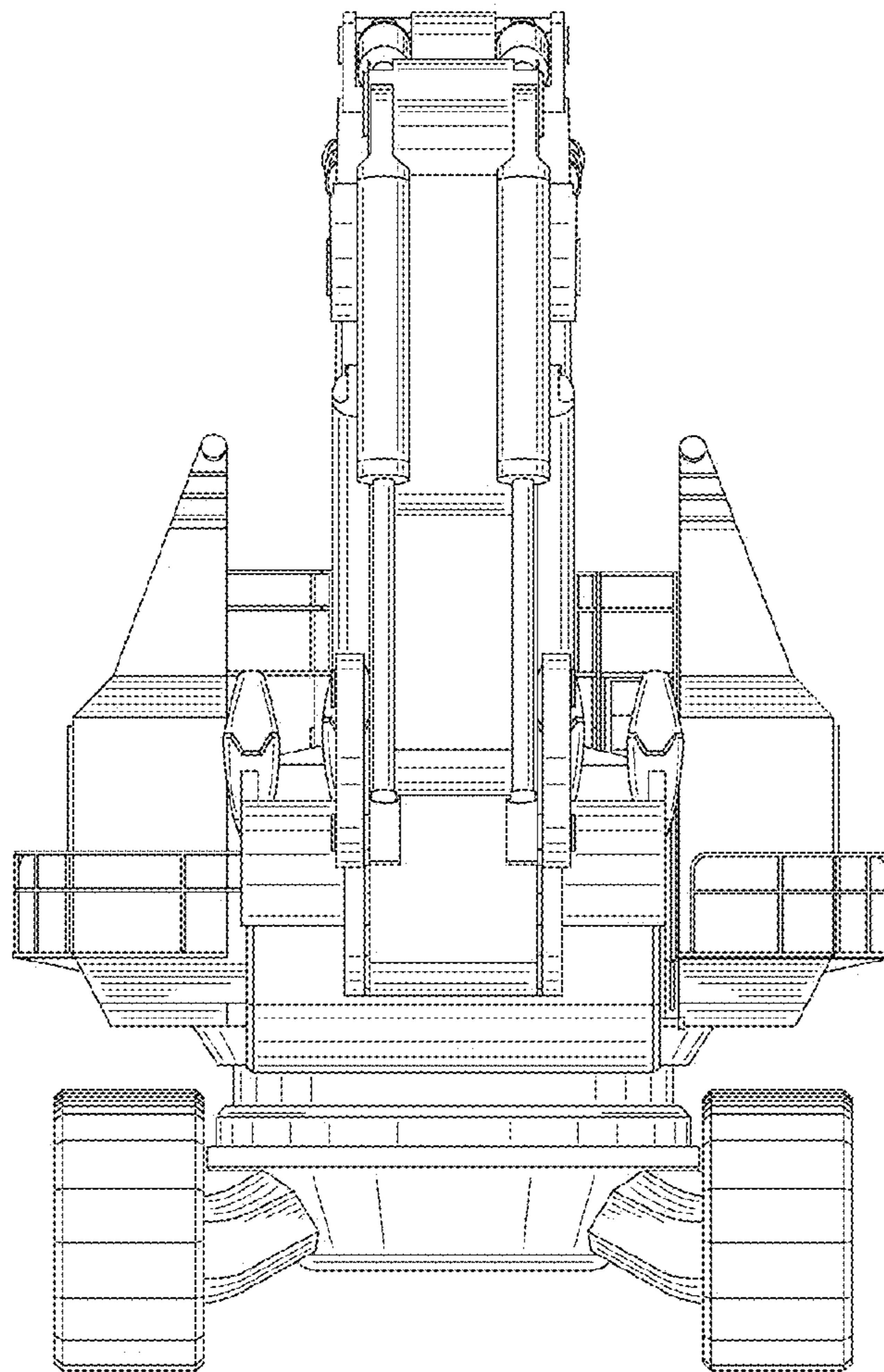


FIG. 8

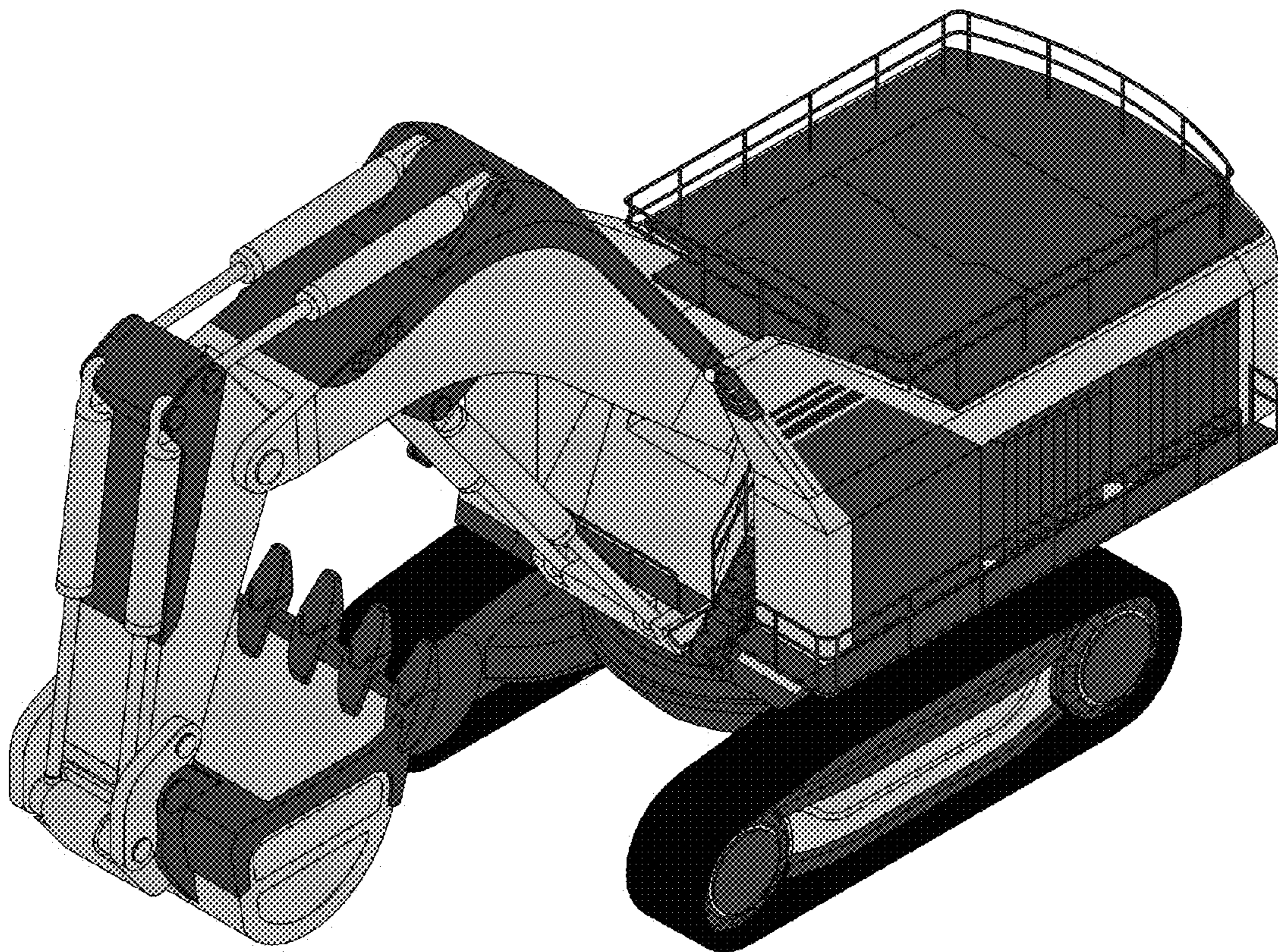


FIG. 9

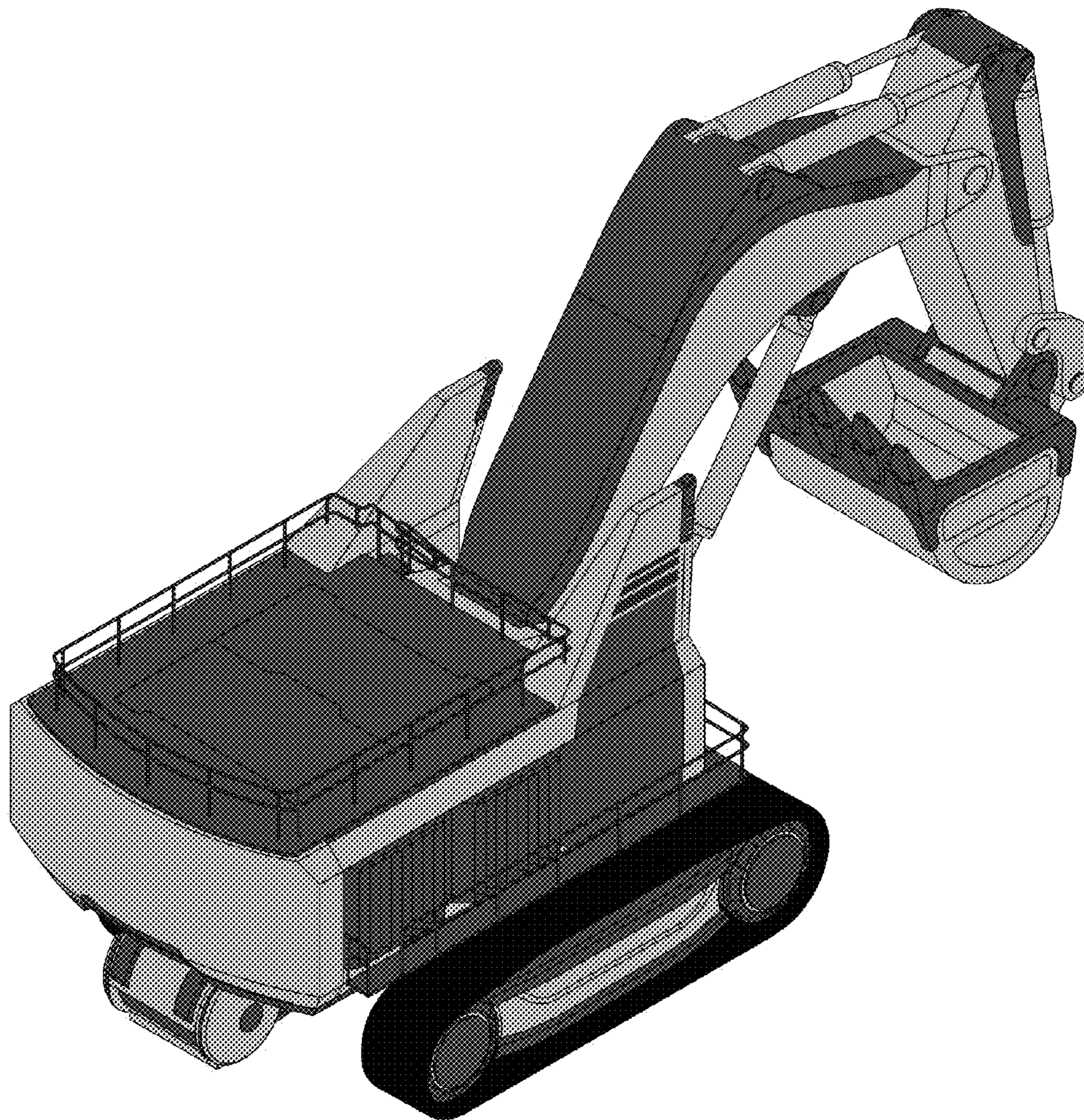


FIG. 10

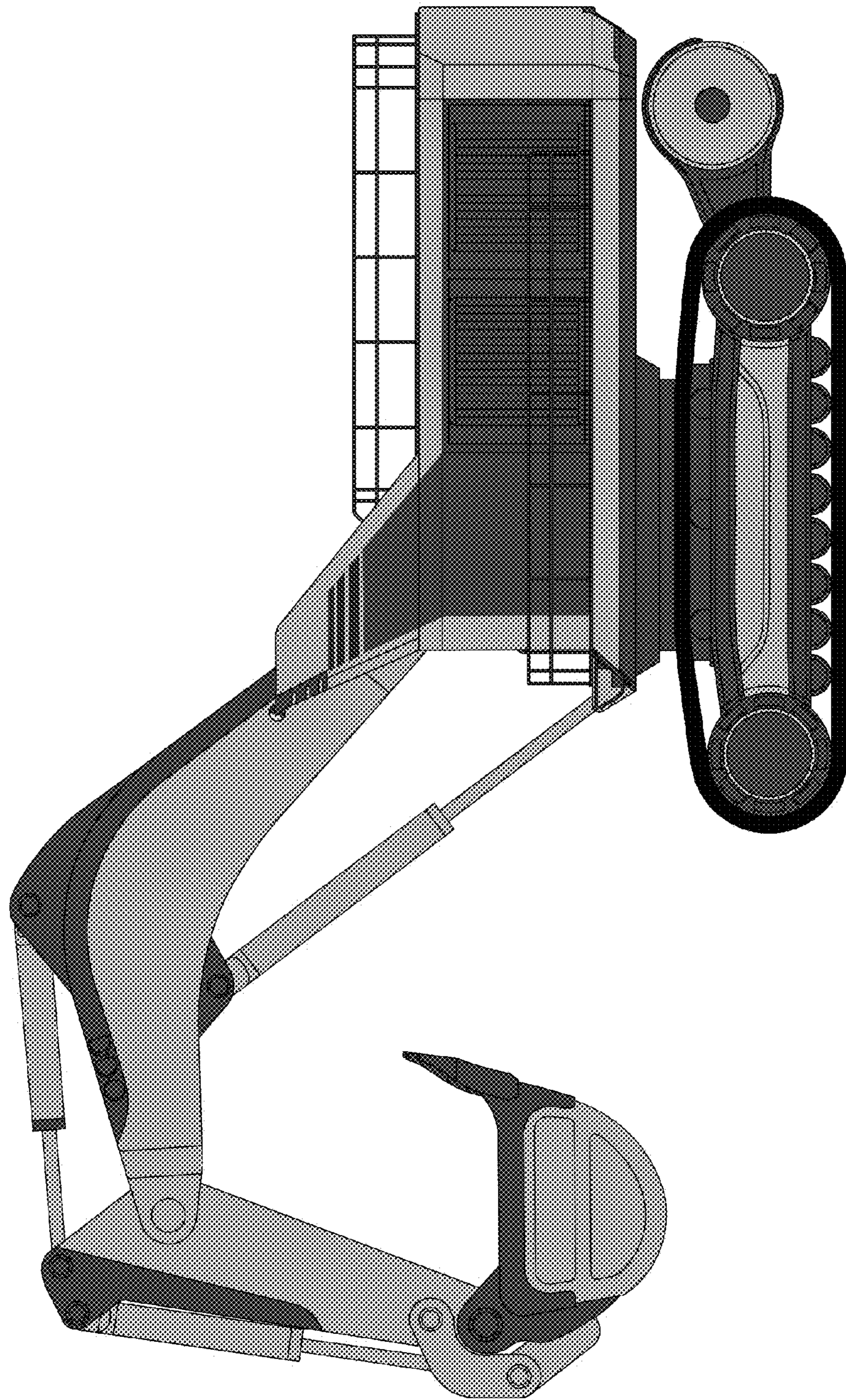


FIG. 11

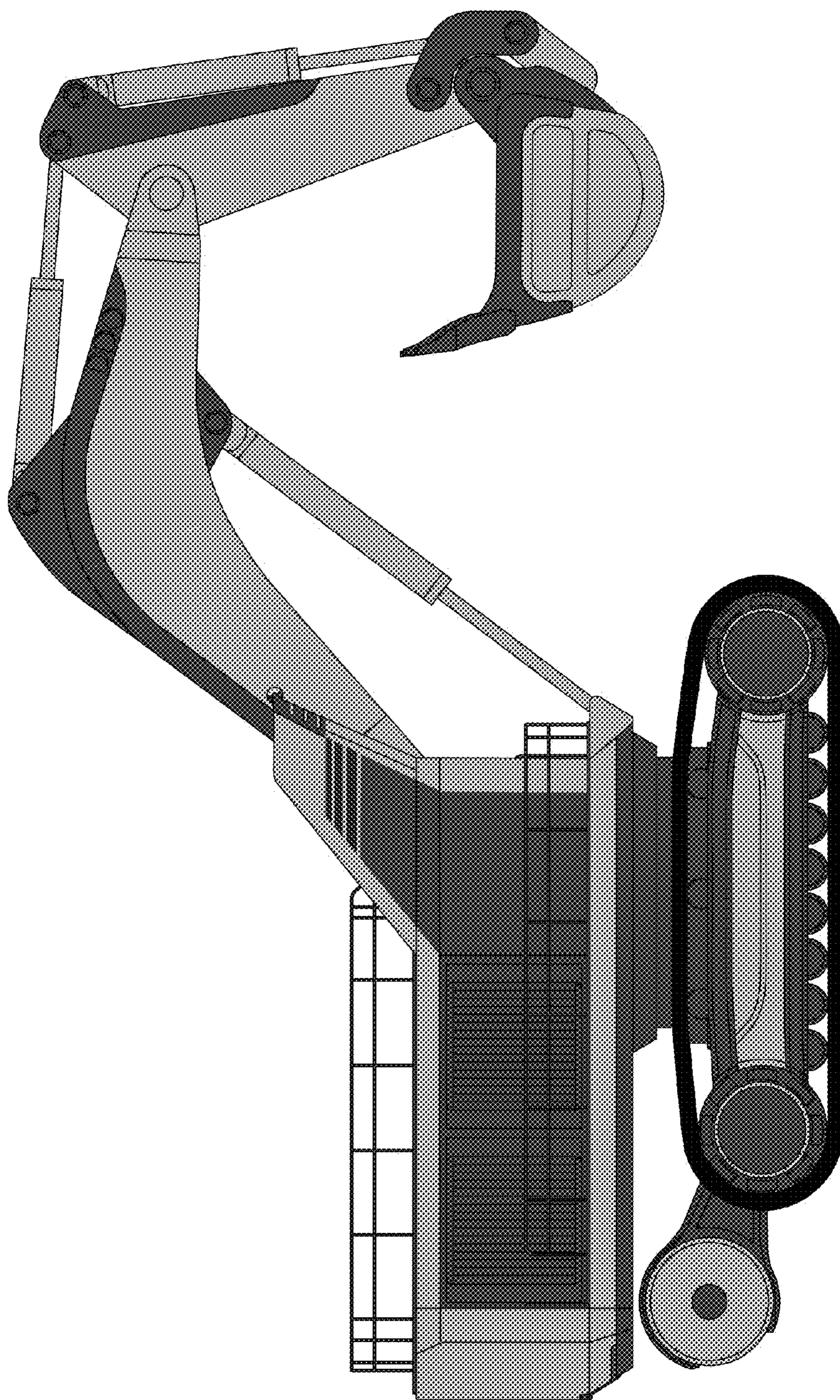


FIG. 12

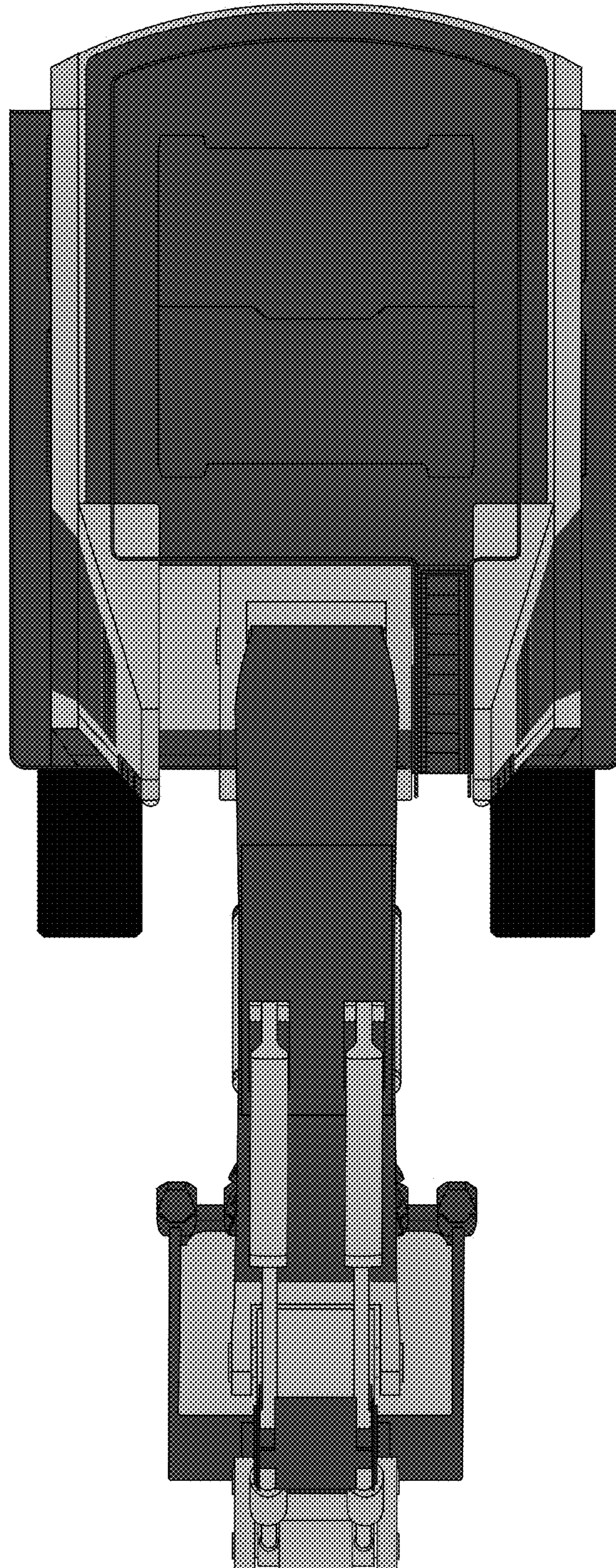


FIG. 13

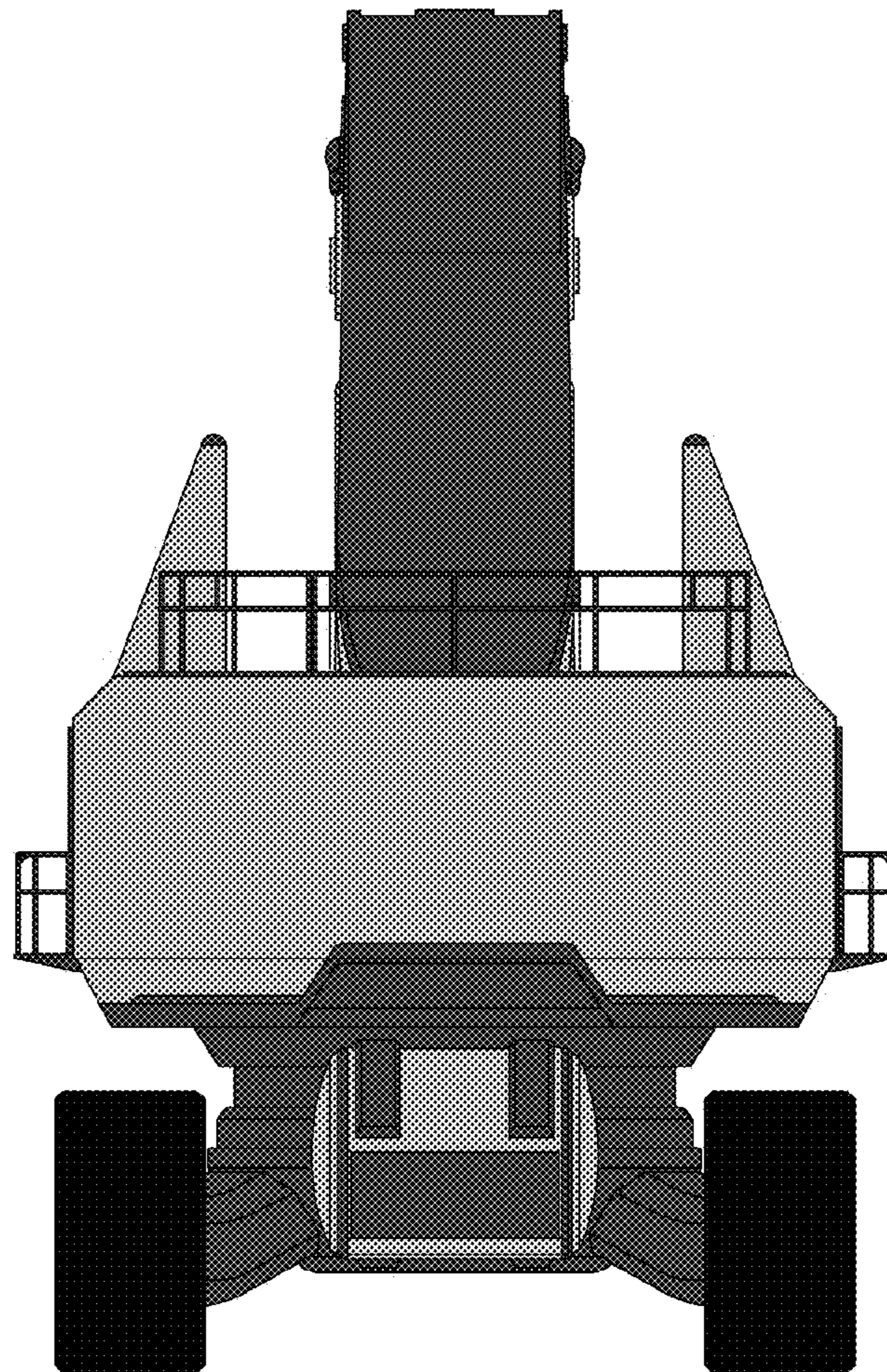


FIG. 14

