



US00D716845S

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

(10) **Patent No.:** **US D716,845 S**
(45) **Date of Patent:** **** Nov. 4, 2014**

(54) **EXCAVATOR**

(71) Applicant: **Yanmar Co., Ltd.**, Osaka (JP)

(72) Inventors: **Yoshihiro Hayami**, Chikugo (JP);
Masamitsu Uemura, Chikugo (JP);
Masataka Miyoshi, Chikugo (JP);
Hisayuki Ishii, Chikugo (JP); **Masaru Shimada**, Chikugo (JP)

(73) Assignee: **Yanmar Co., Ltd.** (JP)

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

(21) Appl. No.: **29/480,492**

(22) Filed: **Jan. 27, 2014**

(30) **Foreign Application Priority Data**

Jul. 29, 2013 (JP) 2013-017223

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

(52) **U.S. Cl.**
USPC **D15/25**; D15/24

(58) **Field of Classification Search**
USPC D15/10, 22-26, 28, 30; 180/89.1,
180/89.12, 89.13, 900, 9.1, 9.2, 9.62;
37/379; 414/694, 699, 722-724, 660,
414/685, 698, 719, 743
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,608,756 A * 9/1971 Guinot 414/694
3,674,162 A * 7/1972 Smith 414/694
4,728,251 A * 3/1988 Takashima et al. 414/694
D309,313 S * 7/1990 Takashima et al. D15/25
D312,468 S * 11/1990 Masumoto et al. D15/25
D354,497 S * 1/1995 Kusunoki et al. D15/25

D387,360 S * 12/1997 Ishizaki et al. D15/25
D431,253 S * 9/2000 Marchetta et al. D15/25
D440,235 S * 4/2001 Kuwae et al. D15/25
D450,717 S * 11/2001 Muraro D15/25
D458,941 S * 6/2002 Miyanishi et al. D15/25
D460,462 S * 7/2002 Miyanishi et al. D15/25
D460,974 S * 7/2002 Murakami et al. D15/25
D462,973 S * 9/2002 Tamaru et al. D15/25
D462,974 S * 9/2002 Yanagida et al. D15/25
D463,455 S * 9/2002 Yanagida et al. D15/25
D473,571 S * 4/2003 Kuwae et al. D15/25
D474,481 S * 5/2003 Hara D15/25
D508,498 S * 8/2005 Shimokakiuchi et al. D15/24
D509,514 S * 9/2005 Shimokakiuchi et al. D15/24
D511,531 S * 11/2005 Sewell et al. D15/24
D518,071 S * 3/2006 Gwak et al. D15/25
D527,027 S * 8/2006 Smith et al. D15/24
D534,552 S * 1/2007 Yanagida D15/25
D538,304 S * 3/2007 Uemura D15/25
D538,827 S * 3/2007 Uemura D15/25
D555,675 S * 11/2007 Matsubara et al. D15/25

(Continued)

Primary Examiner — Mark Goodwin

(74) *Attorney, Agent, or Firm* — Sterne, Kessler, Goldstein & Fox P.L.L.C.

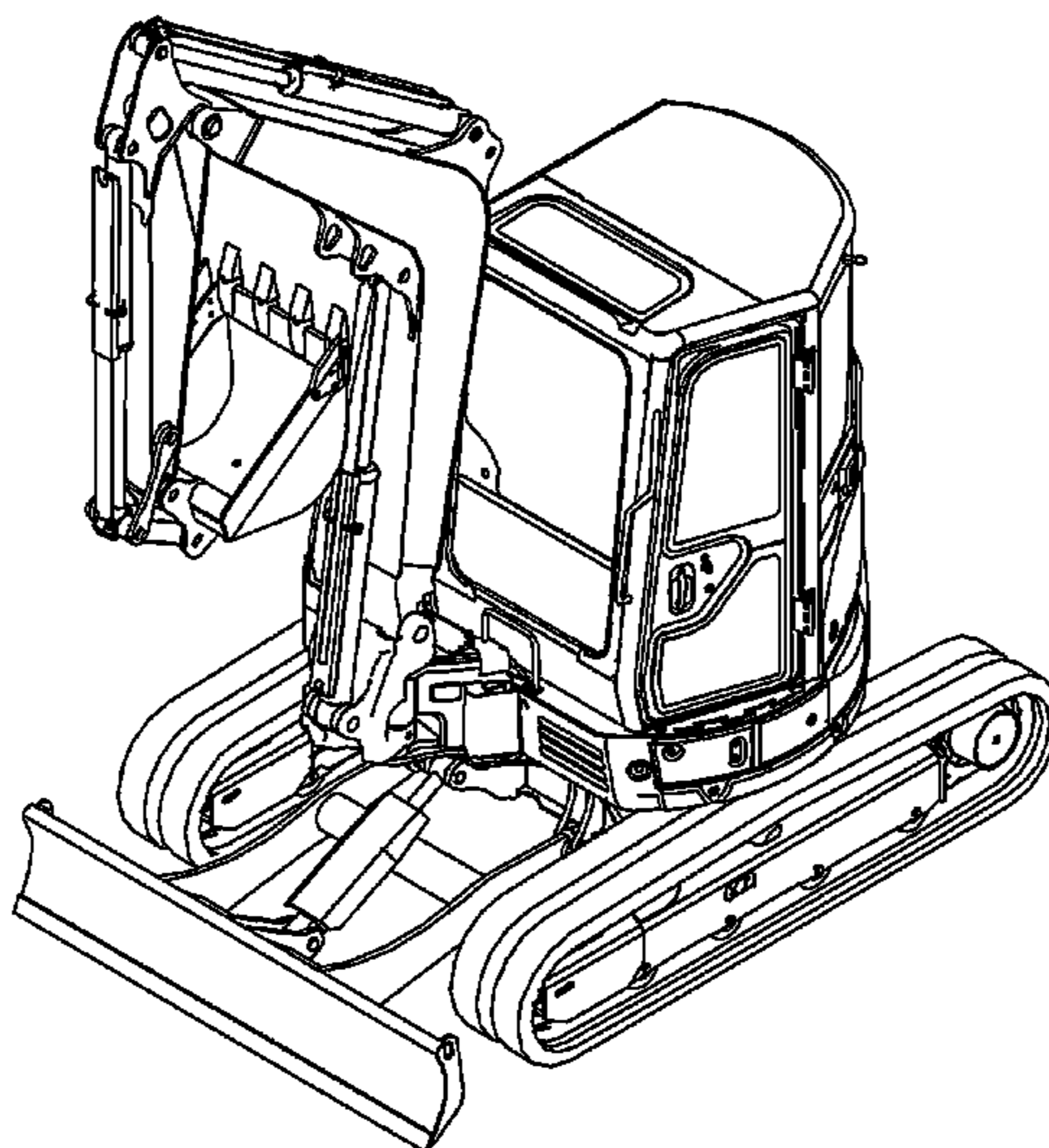
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a top front perspective view of an excavator showing our new design;
FIG. 2 is a top rear perspective view thereof;
FIG. 3 is a front view thereof;
FIG. 4 is a rear view thereof;
FIG. 5 is a top plan view thereof;
FIG. 6 is a bottom plan view thereof;
FIG. 7 is a left side view thereof; and,
FIG. 8 is a right side view thereof.

1 Claim, 8 Drawing Sheets



US D716,845 S

Page 2

(56)

References Cited

U.S. PATENT DOCUMENTS

D561,785 S * 2/2008 Imashige et al. D15/24
D576,180 S * 9/2008 Kuwae et al. D15/25
D594,883 S * 6/2009 Ikeda et al. D15/25

D609,252 S * 2/2010 Shimada et al. D15/25
D633,926 S * 3/2011 Shimada et al. D15/25
D687,865 S * 8/2013 Hatanaka et al. D15/24
D692,924 S * 11/2013 Hatanaka et al. D15/24
D707,261 S * 6/2014 Caboret et al. D15/24

* cited by examiner

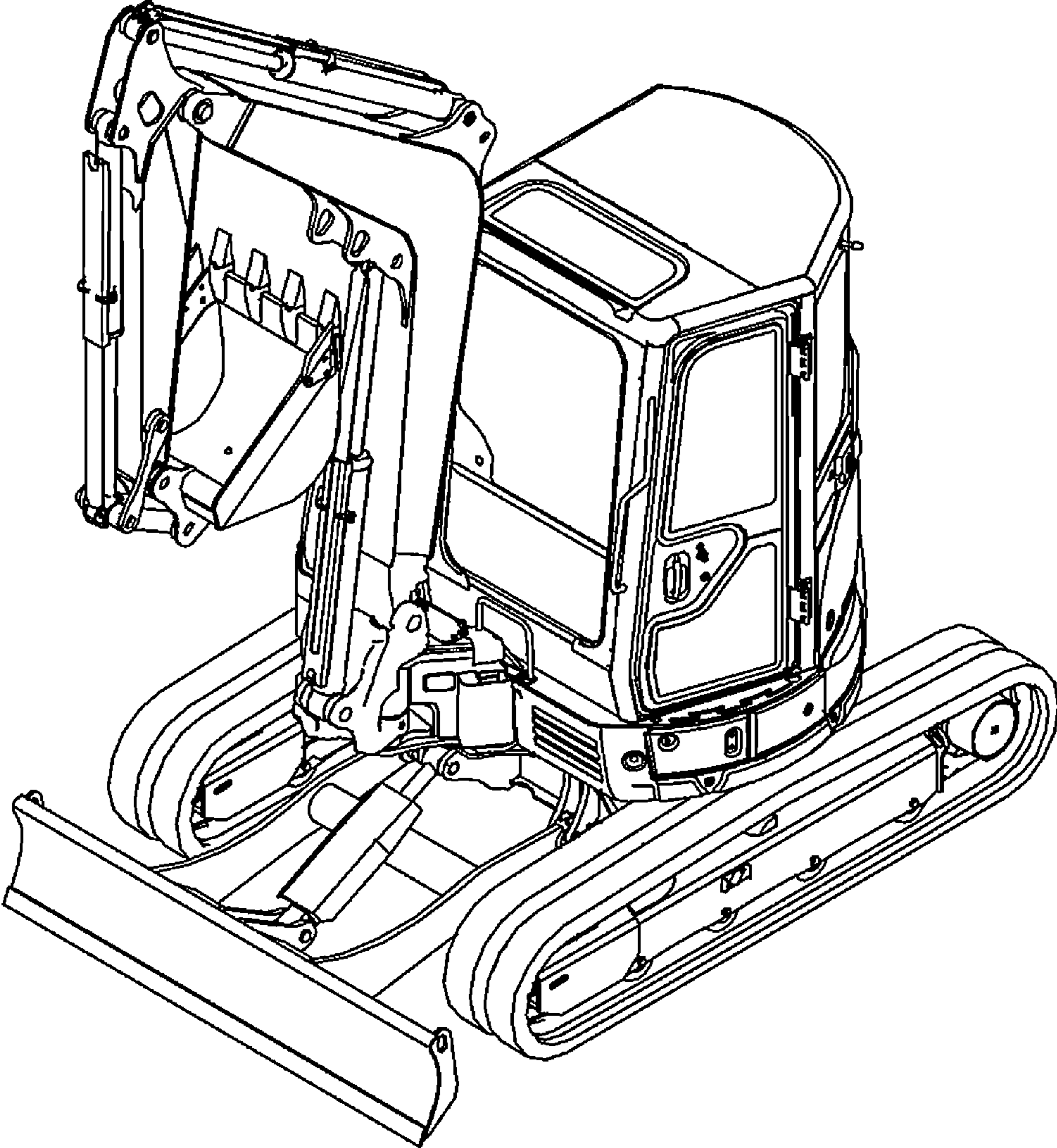


FIG. 1

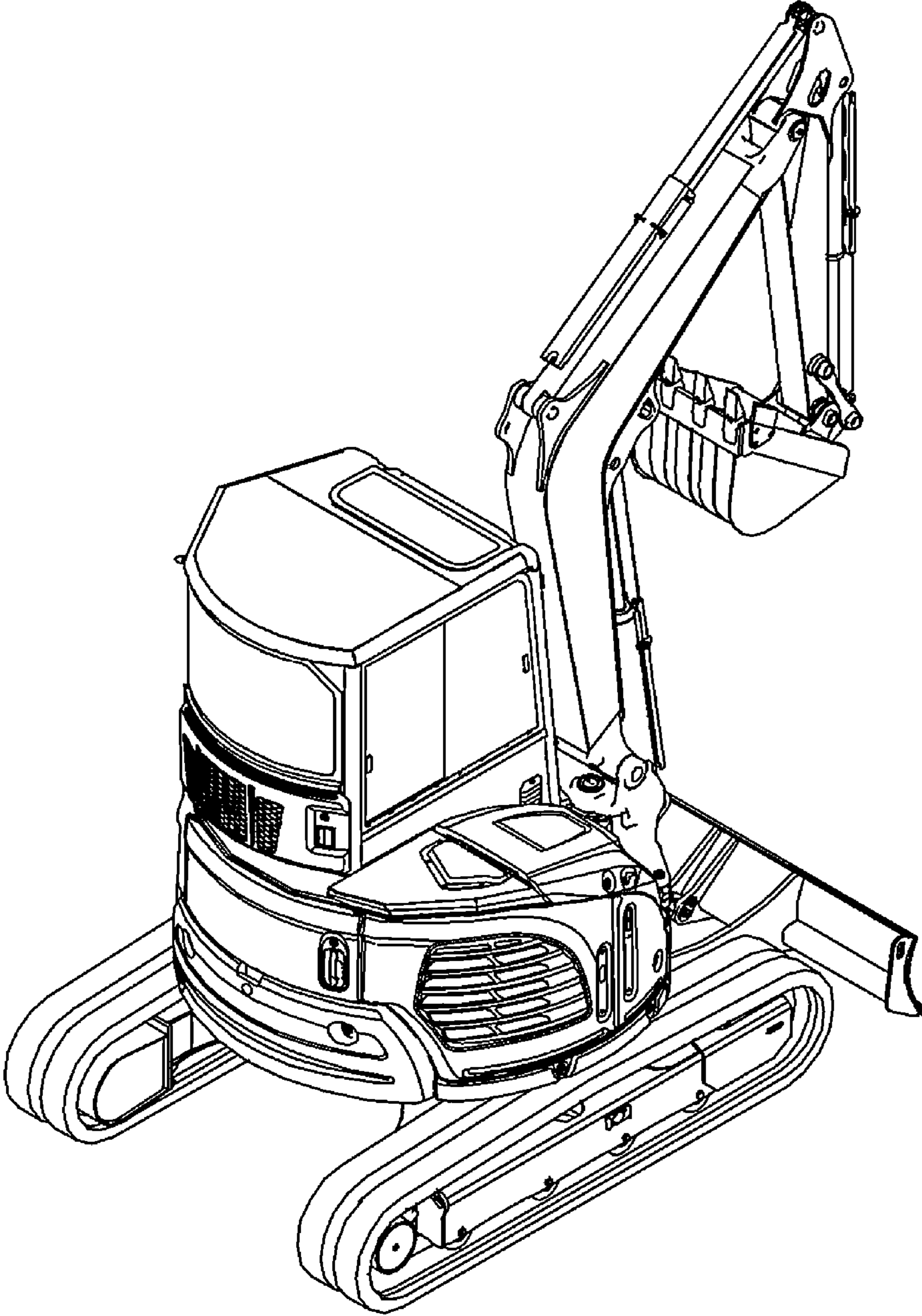


FIG. 2

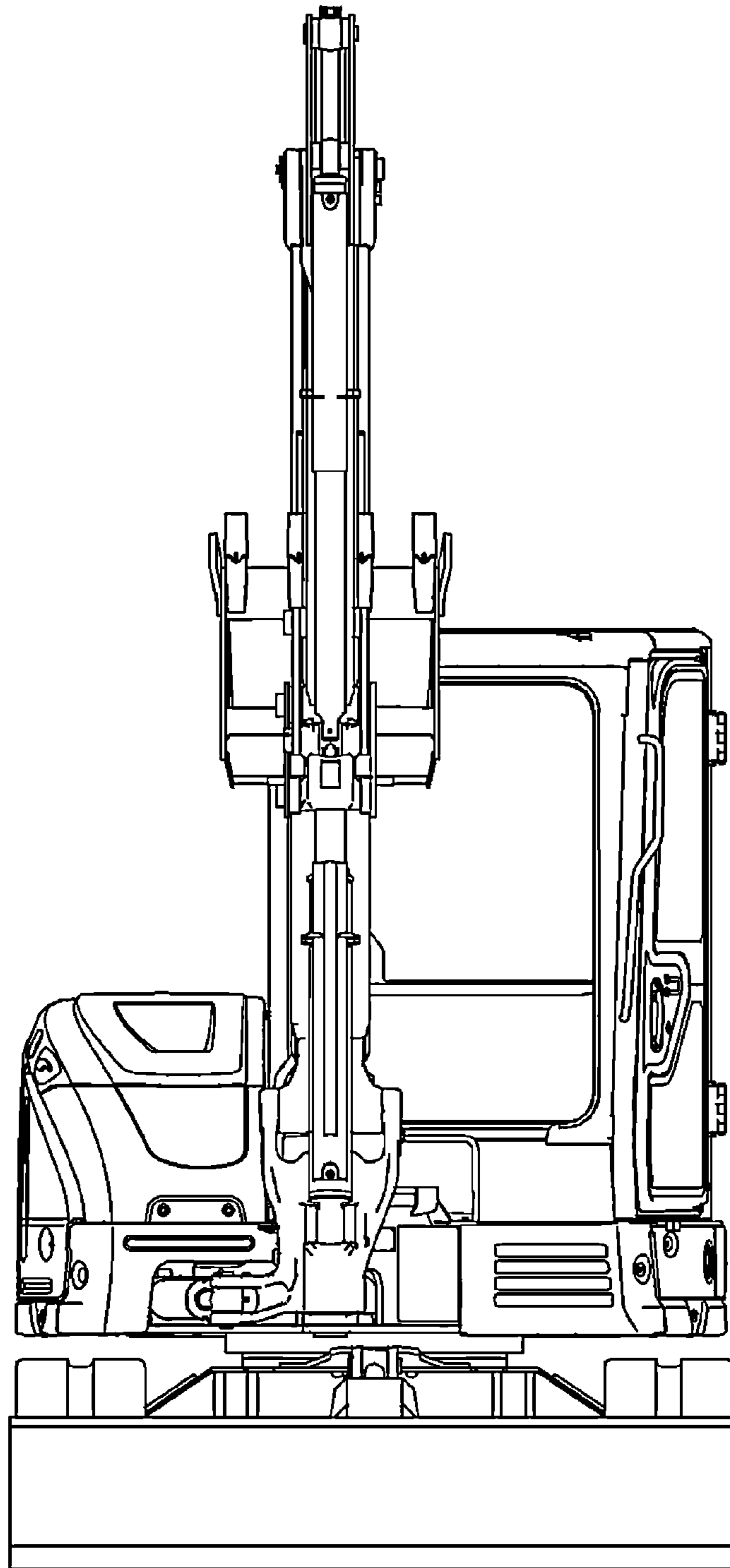


FIG. 3

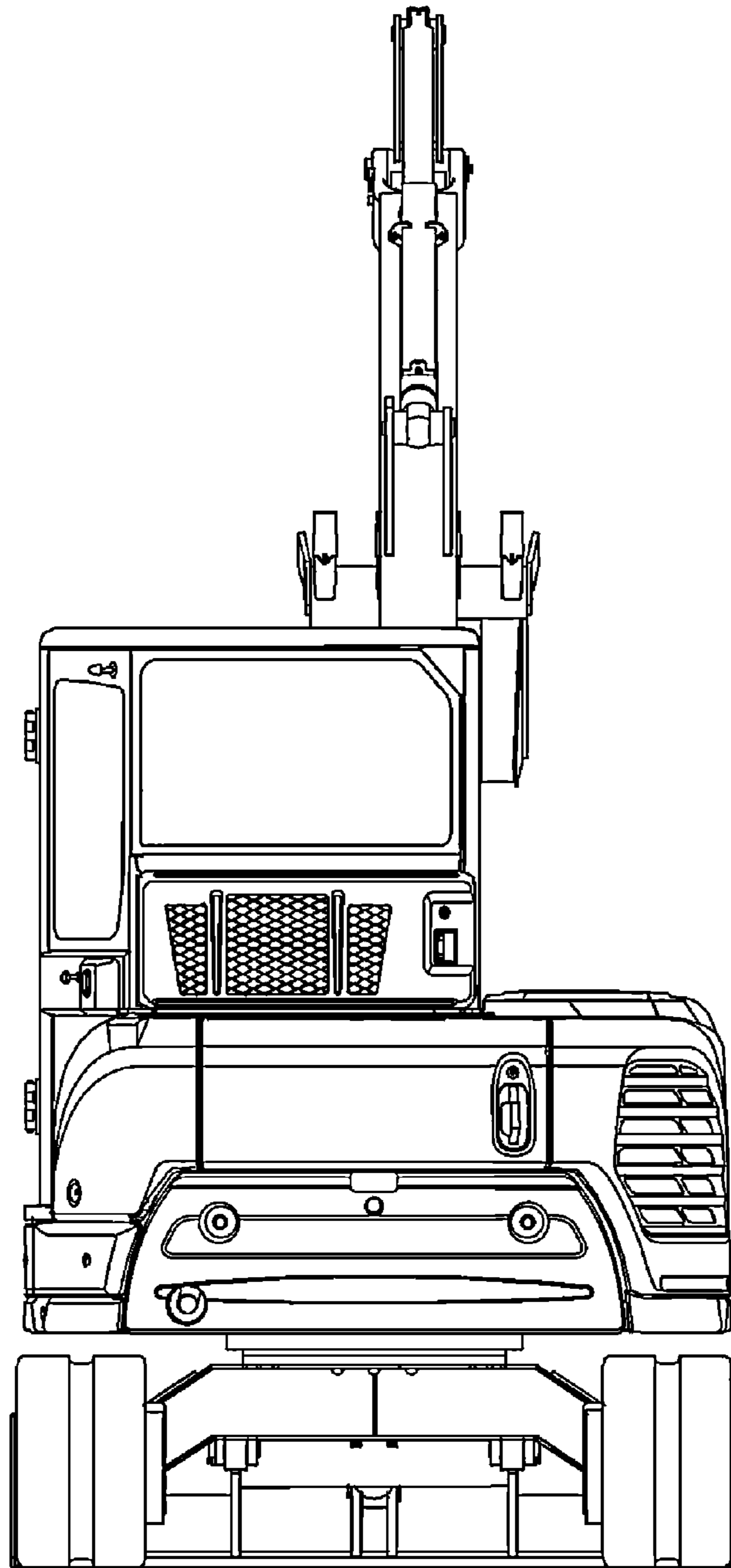


FIG. 4

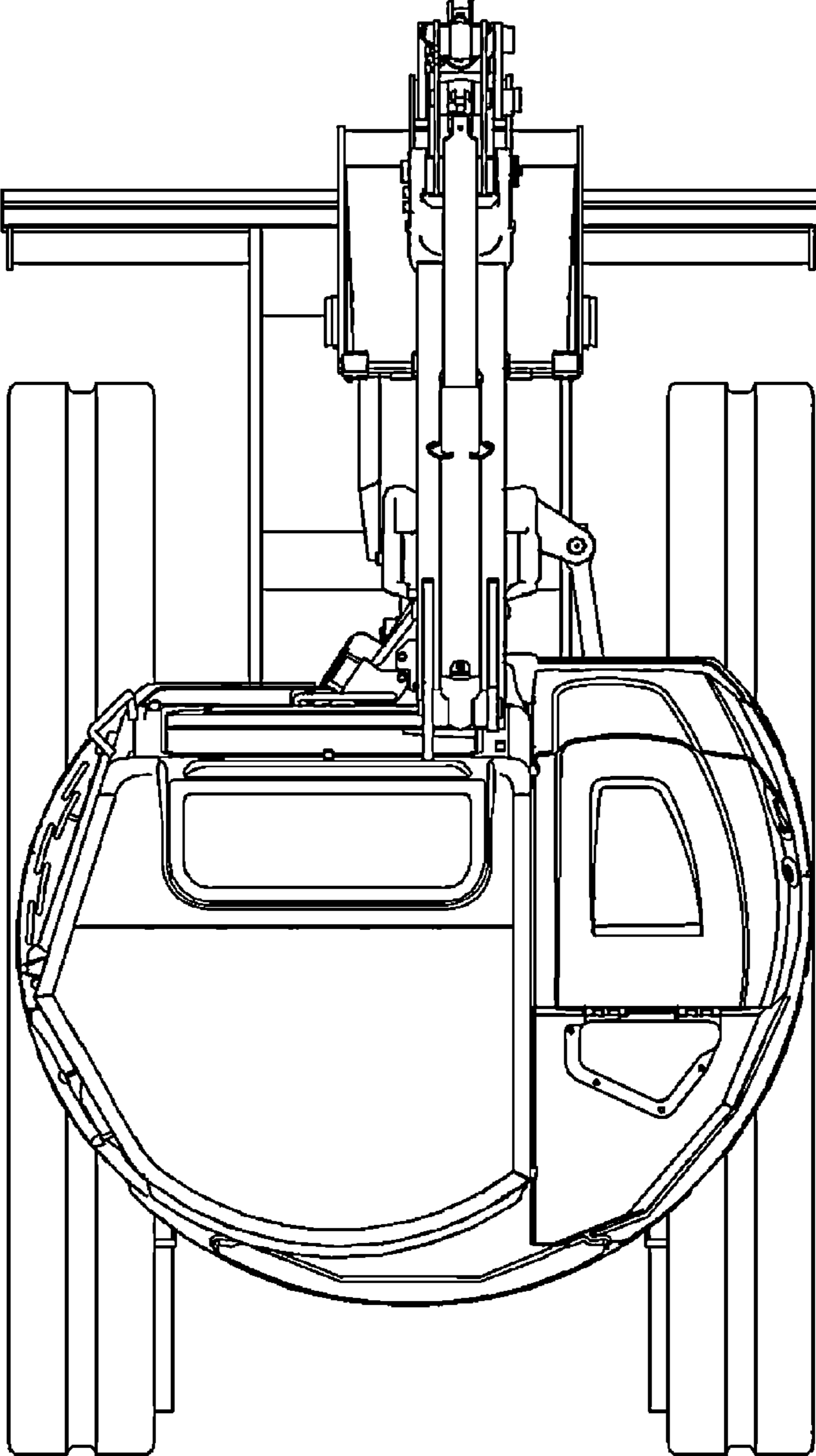


FIG. 5

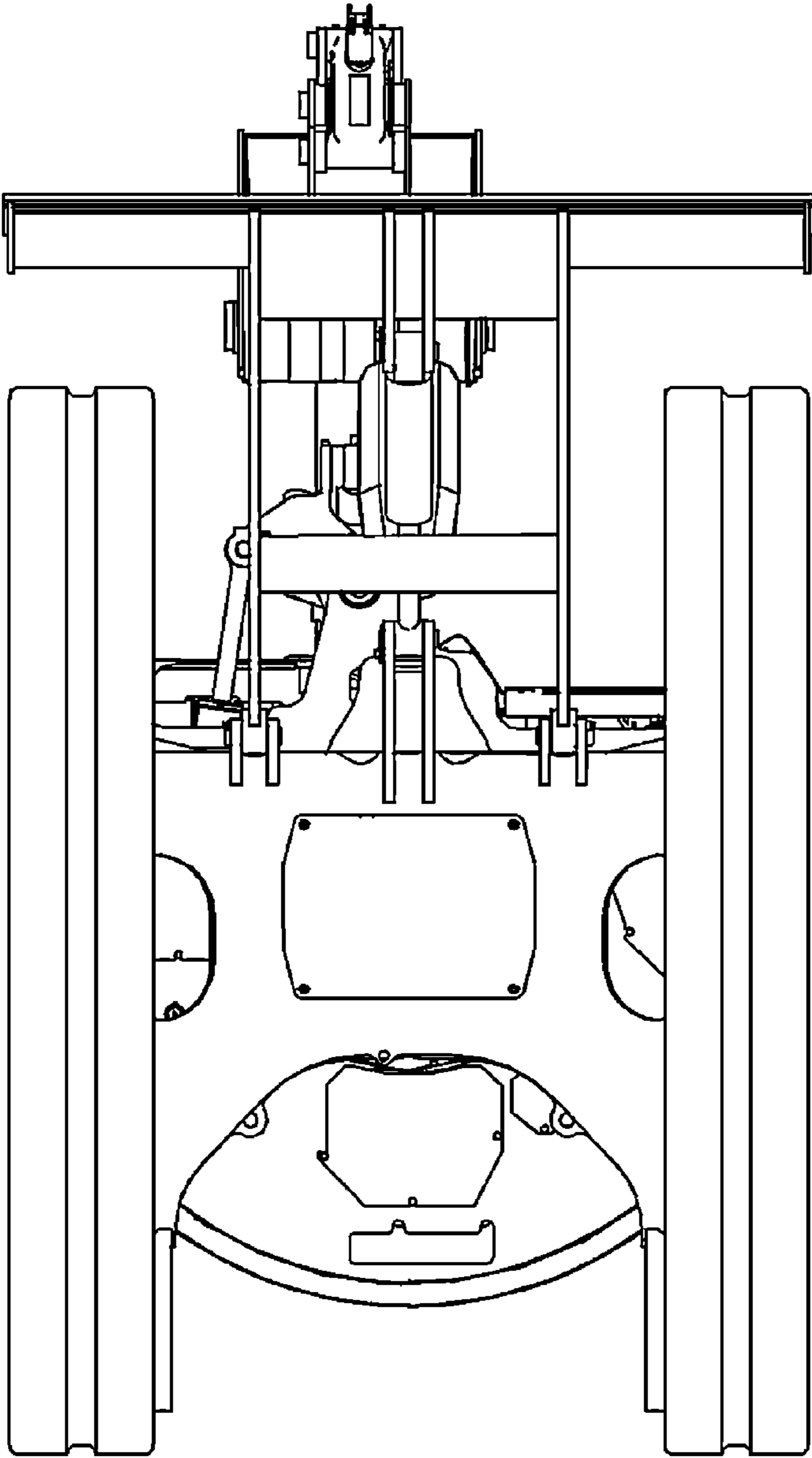


FIG. 6

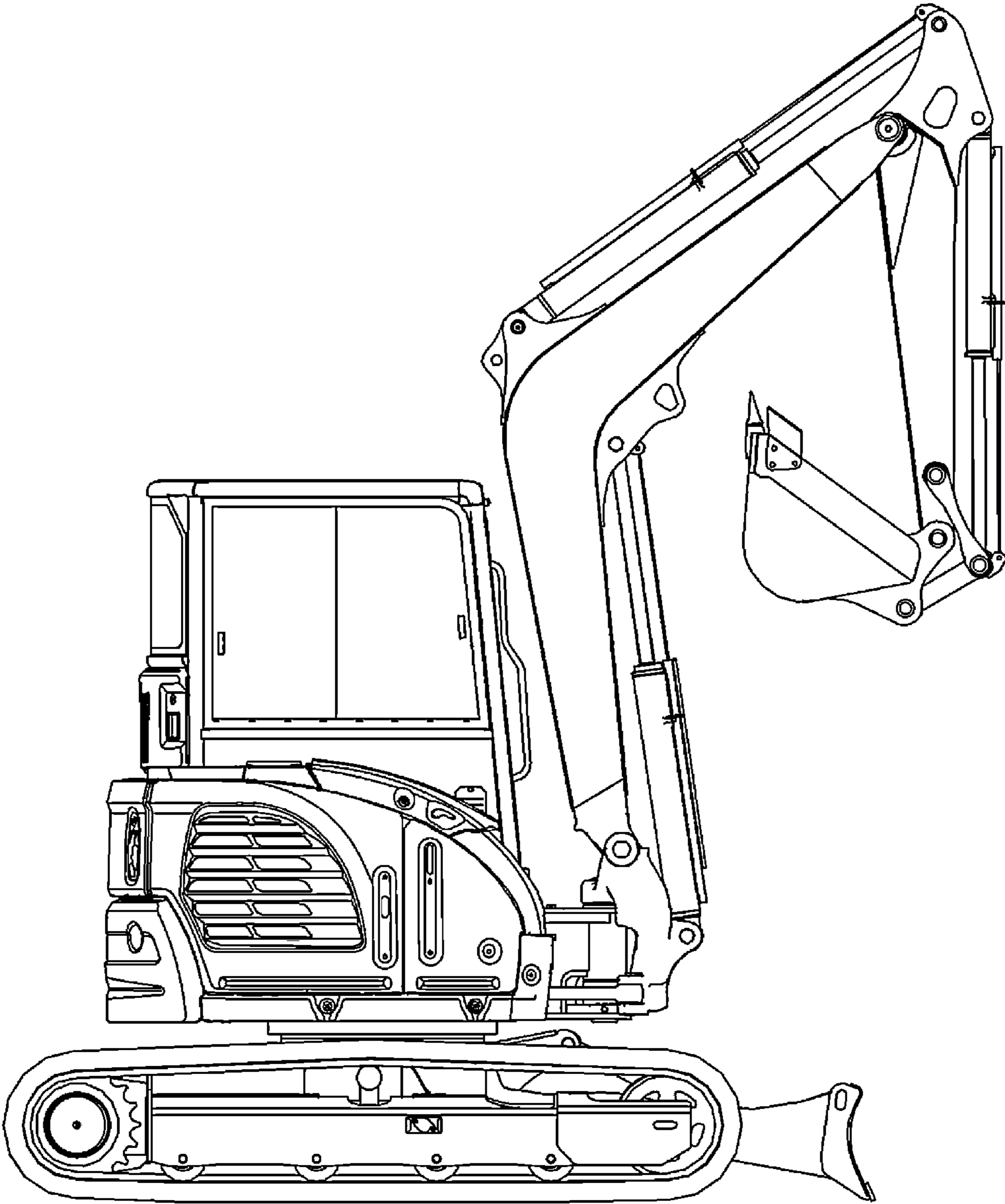


FIG. 7

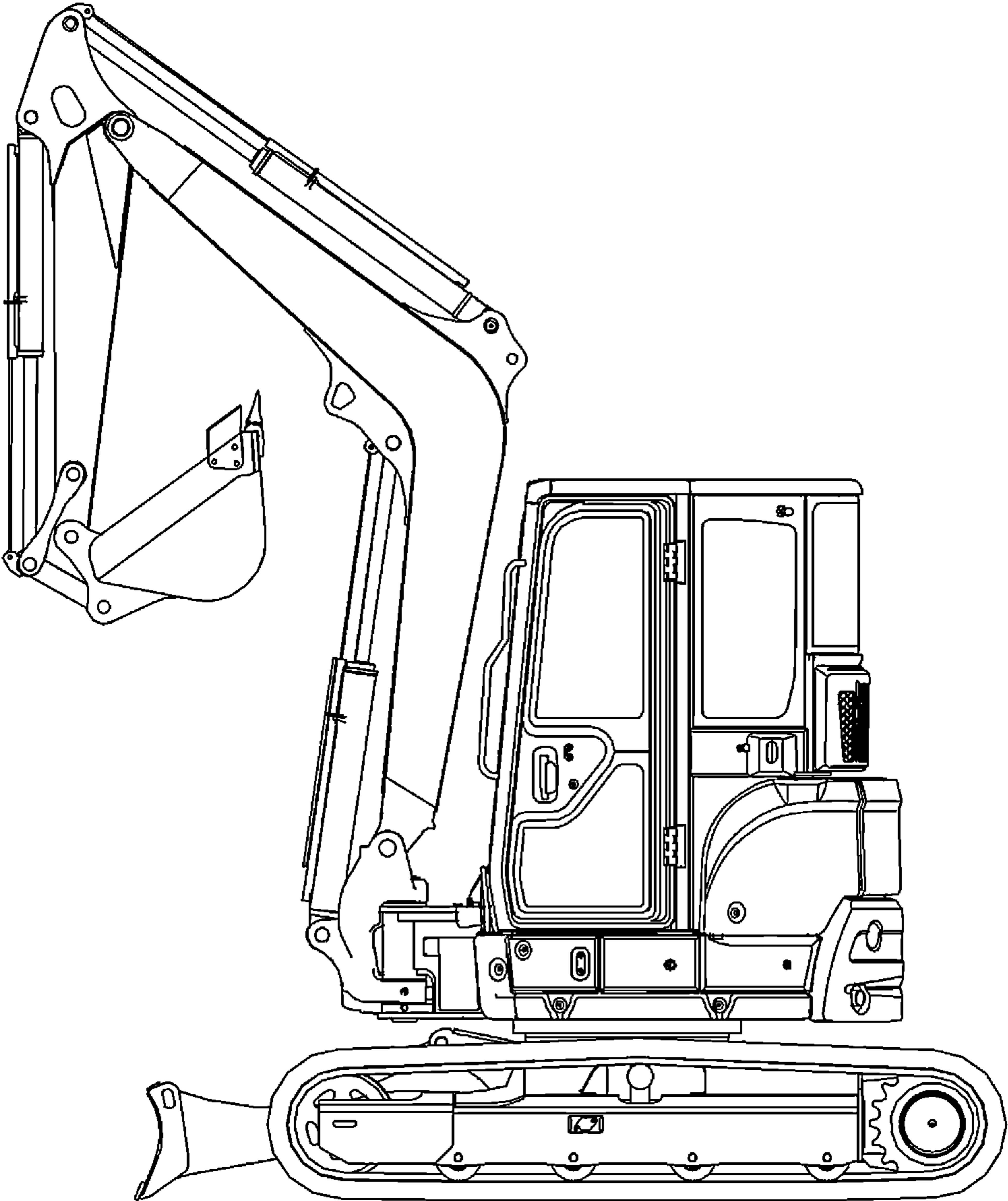


FIG. 8