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(12) **United States Design Patent** (10) **Patent No.:** **US D905,762 S**
Phadatare et al. (45) **Date of Patent:** **** Dec. 22, 2020**

(54) **EXCAVATOR**
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5,427,185 A 6/1995 Seal
 D366,267 S 1/1996 Lepoix
 D376,604 S 12/1996 Johnson
 D391,272 S 2/1998 Jin et al.
 5,911,624 A 6/1999 Stauffer
 D437,602 S 2/2001 Hiraoka et al.
 D446,225 S 8/2001 Brandenburg, III et al.
 D453,023 S 1/2002 Kaneko et al.
 D455,763 S 4/2002 Brandenburg, III et al.
 D460,975 S 7/2002 Yanagida et al.
 D462,974 S 9/2002 Yanagida et al.
 D463,461 S 9/2002 Yanagida et al.
 D463,462 S 9/2002 Yanagida et al.
 D464,662 S 10/2002 Dahl et al.
 D479,536 S 9/2003 Dahl et al.
 D481,044 S 10/2003 Tokach et al.
 D497,920 S 11/2004 Antonetti
 D528,568 S 9/2006 Kuwae et al.

(Continued)

(30) **Foreign Application Priority Data**
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 (58) **Field of Classification Search**
 USPC D15/10, 22-26, 28, 30; 180/89.1, 89.12,
 180/89.13, 900, 9.1, 9.2, 9.62; 37/379;
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 CPC E02F 3/32; E02F 3/76; E02F 3/40; E02F
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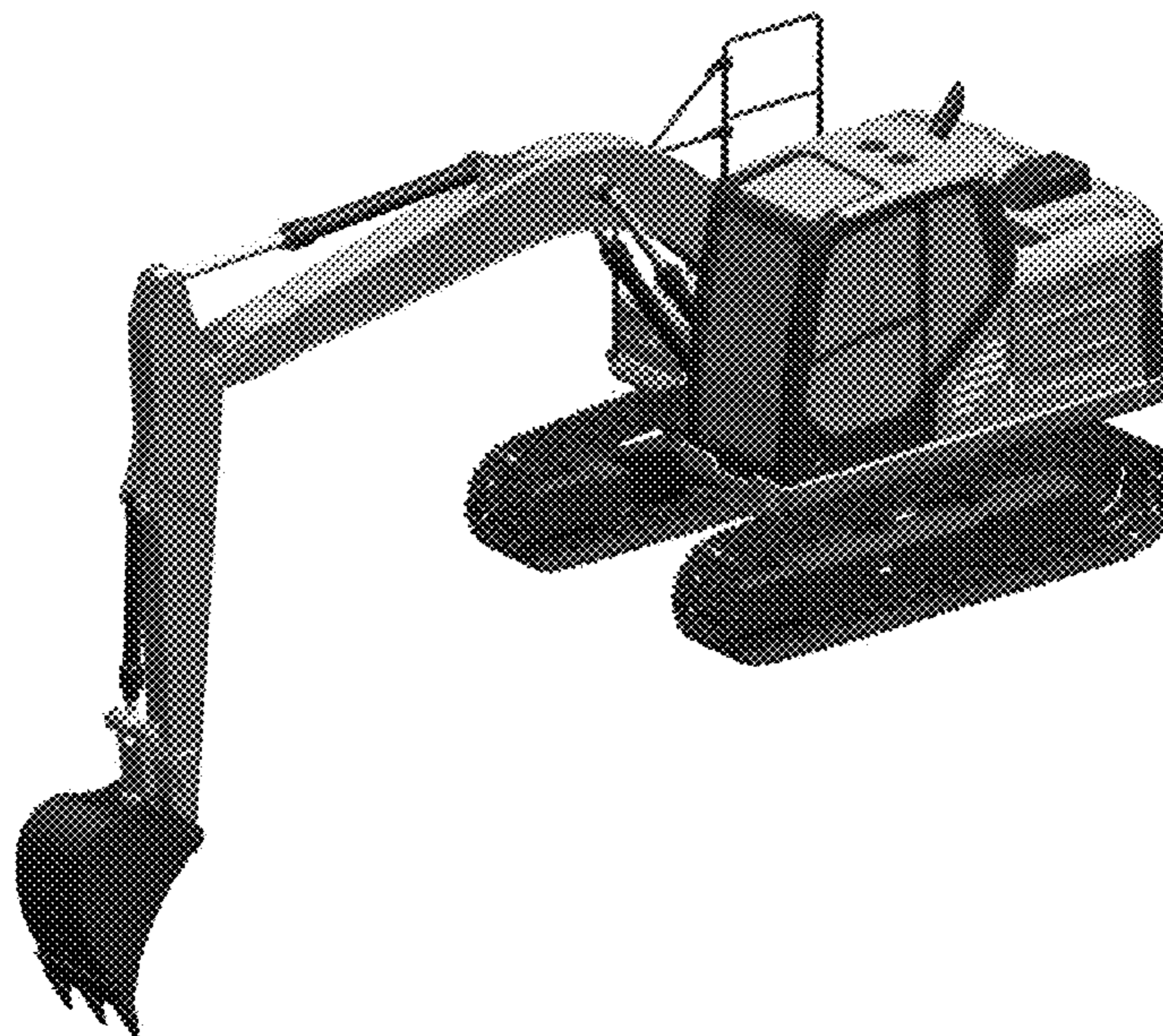
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(56) **References Cited**
 U.S. PATENT DOCUMENTS
 D272,071 S 1/1984 Baconet et al.
 D297,329 S 8/1988 Monehaie et al.
 D304,589 S 11/1989 Lanphere et al.
 D321,517 S 11/1991 Katoh et al.
 5,273,340 A 12/1993 Nelson et al.
 D348,270 S 6/1994 Lehmann-Brendel et al.

(57) **CLAIM**
 The ornamental design for an excavator, as shown and described.

DESCRIPTION
 FIG. 1 is a front perspective view of an excavator showing the new design;
 FIG. 2 is a top view of the invention illustrated in FIG. 1;
 FIG. 3 is a bottom view of the invention illustrated in FIG. 1;
 FIG. 4 is a front view of the invention illustrated in FIG. 1;
 FIG. 5 is a rear view of the invention illustrated in FIG. 1;
 FIG. 6 is a right side view of the invention illustrated in FIG. 1; and,
 FIG. 7 is a left side view of the invention illustrated in FIG. 1.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D531,646 S	11/2006	McCarren, Jr. et al.	D695,791 S	12/2013	Hagura et al.
D533,569 S	12/2006	Mursch	D707,261 S	6/2014	Caboret et al.
D534,552 S	1/2007	Yanagida	D707,728 S	6/2014	Imashige et al.
D534,927 S	1/2007	Mursch	8,820,457 B2	9/2014	Nishimura
D541,826 S	5/2007	Brush et al.	D714,837 S	10/2014	Jacobsthal et al.
D549,245 S	8/2007	Antonetti	D715,330 S	10/2014	Hutchinson et al.
D559,279 S	1/2008	Sakitani et al.	D720,370 S	12/2014	Carter et al.
D582,947 S	12/2008	Ueta et al.	D723,069 S	2/2015	Turner et al.
7,467,722 B2	12/2008	Ramun	D724,106 S	3/2015	Gallagher et al.
D587,285 S	2/2009	Murakami et al.	D725,157 S	3/2015	Higuchi et al.
D594,480 S	6/2009	Gicquel et al.	D725,683 S	3/2015	Payne et al.
D614,674 S	4/2010	Hobenshield et al.	D726,229 S	4/2015	Turner et al.
D625,741 S	10/2010	Seidel et al.	D727,370 S	4/2015	Payne et al.
D636,795 S	4/2011	Yamamoto et al.	D728,639 S	5/2015	Payne et al.
D637,630 S	5/2011	Yamamoto et al.	D746,014 S	12/2015	Rekow et al.
D642,205 S	7/2011	Yamamoto et al.	D746,534 S	12/2015	Rekow et al.
D653,173 S	1/2012	Dolesh	D749,150 S	2/2016	Payne et al.
D654,400 S	2/2012	Dolesh	D749,646 S	2/2016	Turner et al.
D658,211 S	4/2012	Hiraoka et al.	D749,649 S	2/2016	McAdam et al.
D660,881 S	5/2012	Bohme et al.	D750,672 S	3/2016	Payne et al.
D663,324 S	7/2012	Fuchita et al.	D751,123 S	3/2016	Kazakoff
D663,751 S	7/2012	Yogita et al.	D759,127 S	6/2016	Higuchi et al.
D664,569 S	7/2012	Rupp	D762,248 S	7/2016	Steinhardt et al.
D668,693 S	10/2012	Ringer	D773,537 S	12/2016	Fiser et al.
D671,566 S	11/2012	Fang et al.	D774,111 S	12/2016	Underhill et al.
8,365,855 B2 *	2/2013	Mamada B60K 11/04 180/312	D774,112 S	12/2016	Fiser et al.
D677,703 S	3/2013	Hiraoka et al.	D775,244 S	12/2016	Hart et al.
D678,354 S	3/2013	Hiraoka et al.	D780,231 S	2/2017	Saari et al.
D678,358 S	3/2013	Hiraoka et al.	D780,232 S	2/2017	Saari et al.
D678,359 S	3/2013	Hagura et al.	D780,235 S	2/2017	Kim
D680,136 S	4/2013	Tsukamoto et al.	D784,425 S	4/2017	Cooksey et al.
D682,322 S	5/2013	Suzuki	D797,159 S	9/2017	Yeu et al.
D684,598 S	6/2013	Hagura et al.	D813,917 S	3/2018	Smiley
D684,603 S	6/2013	Hagura et al.	D835,160 S	12/2018	Jilbert et al.
D684,604 S	6/2013	Saito et al.	10,167,610 B2	1/2019	Kurosaka et al.
D684,607 S	6/2013	Hagura et al.	D847,213 S	4/2019	Kurosaka et al.
D685,394 S	7/2013	Nagata et al.	D849,062 S	5/2019	Jilbert et al.
D687,868 S	8/2013	Watson et al.	D854,054 S	7/2019	Hirasawa et al.
D691,924 S	10/2013	Smith	D866,614 S *	11/2019	Jilbert D15/22
D693,858 S	11/2013	Hagura et al.	D870,159 S *	12/2019	Jilbert D15/22
			2004/0200100 A1	10/2004	Kojima et al.
			2005/0012314 A1	1/2005	Kubo et al.

* cited by examiner

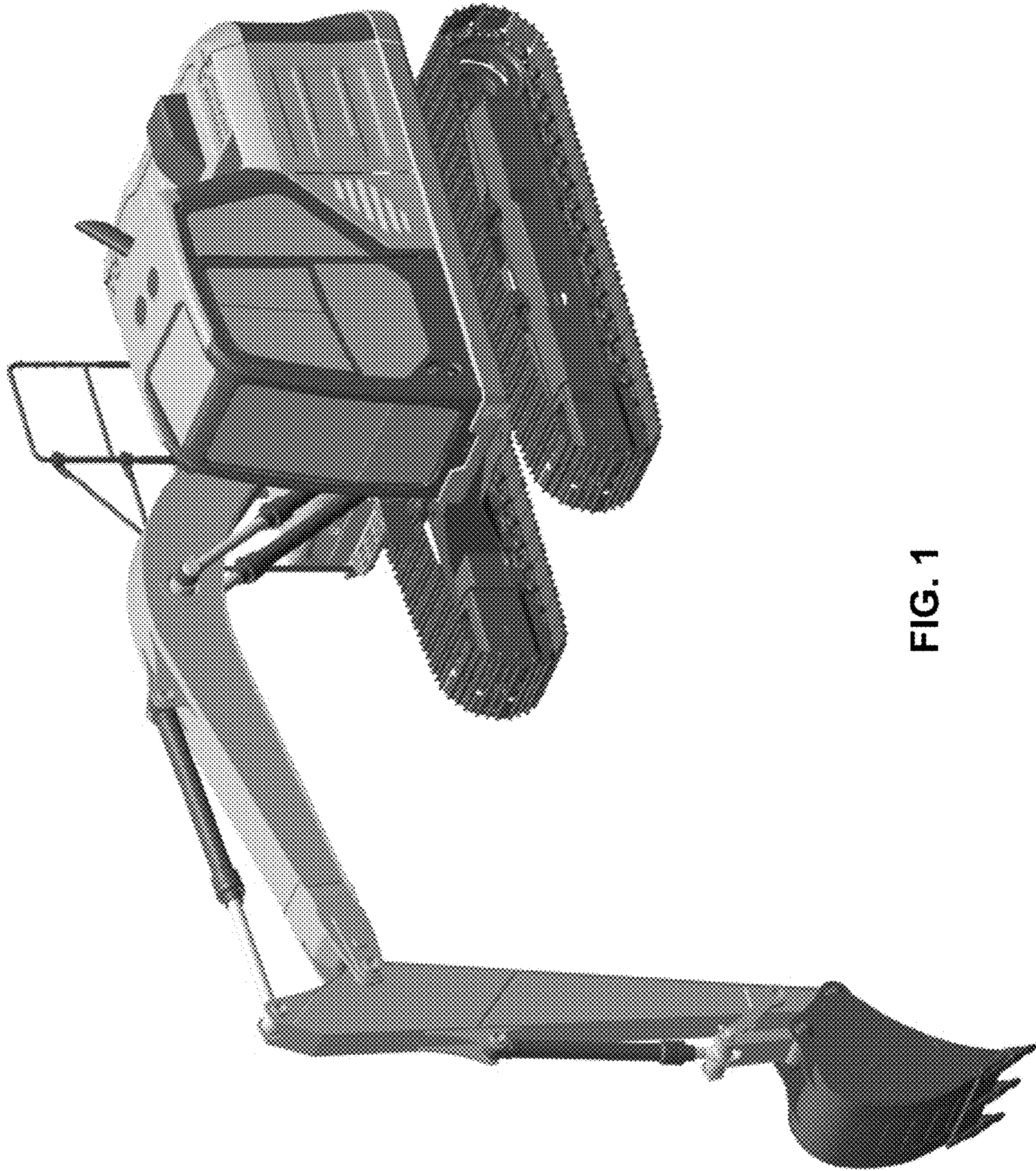


FIG. 1

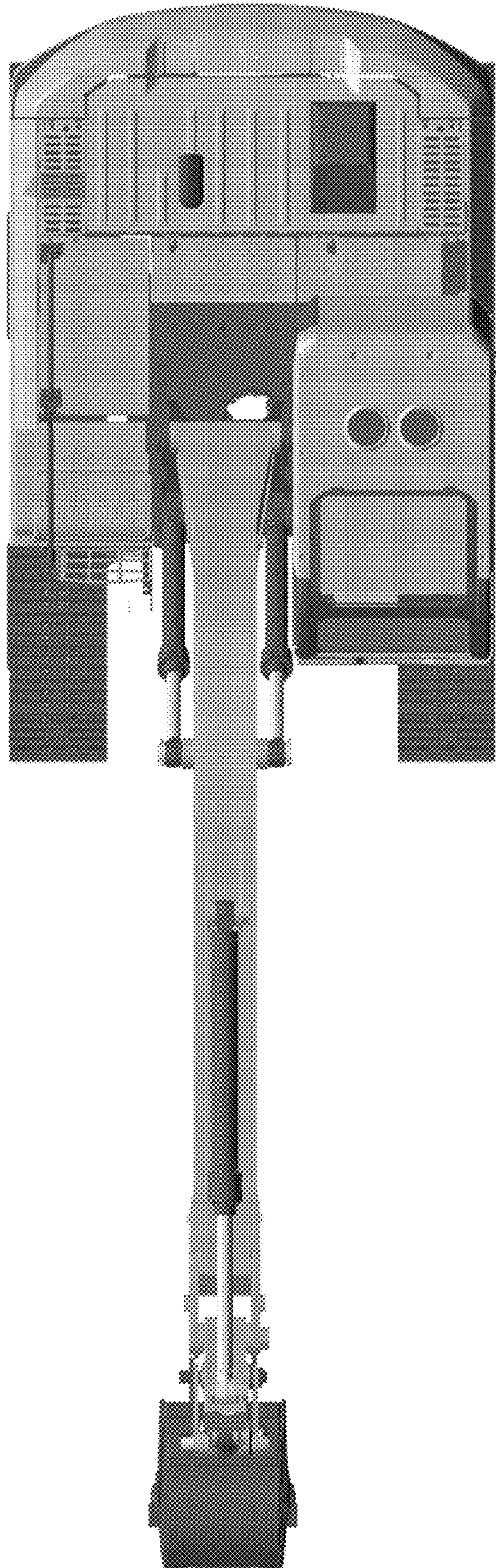


FIG. 2

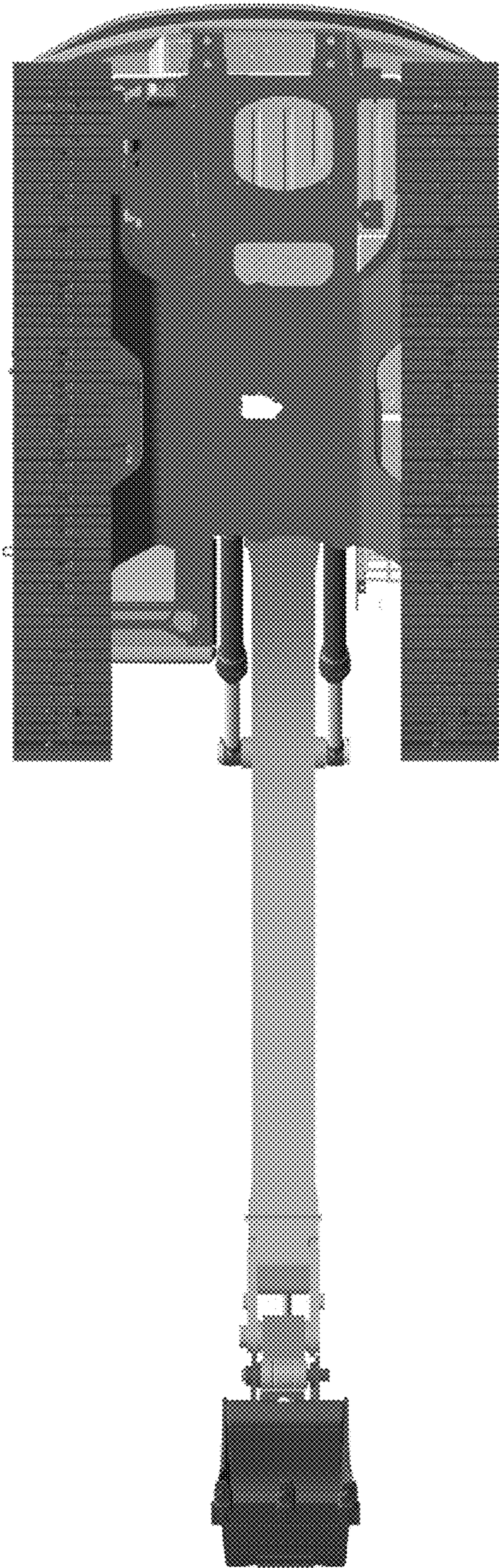


FIG. 3

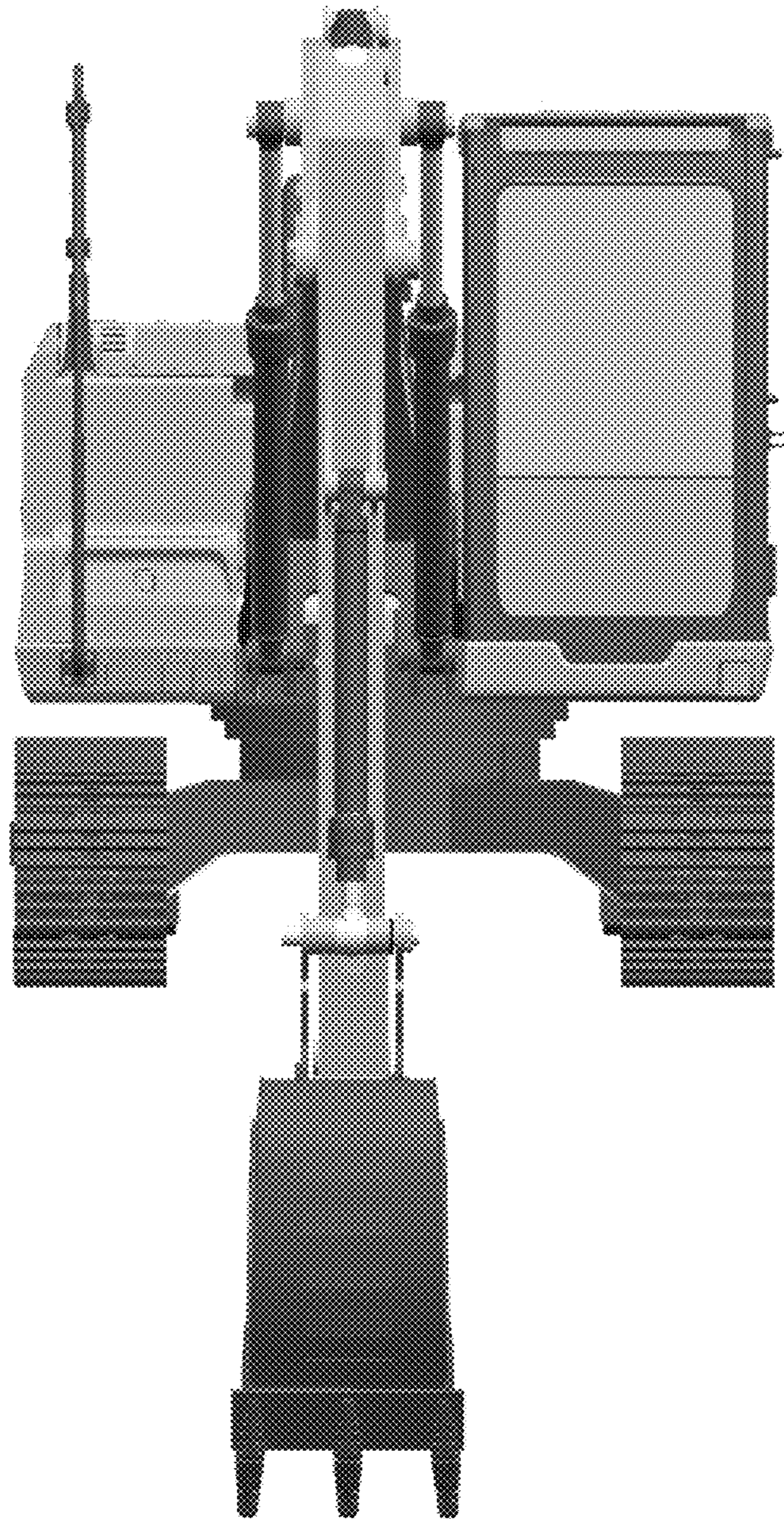


FIG. 4

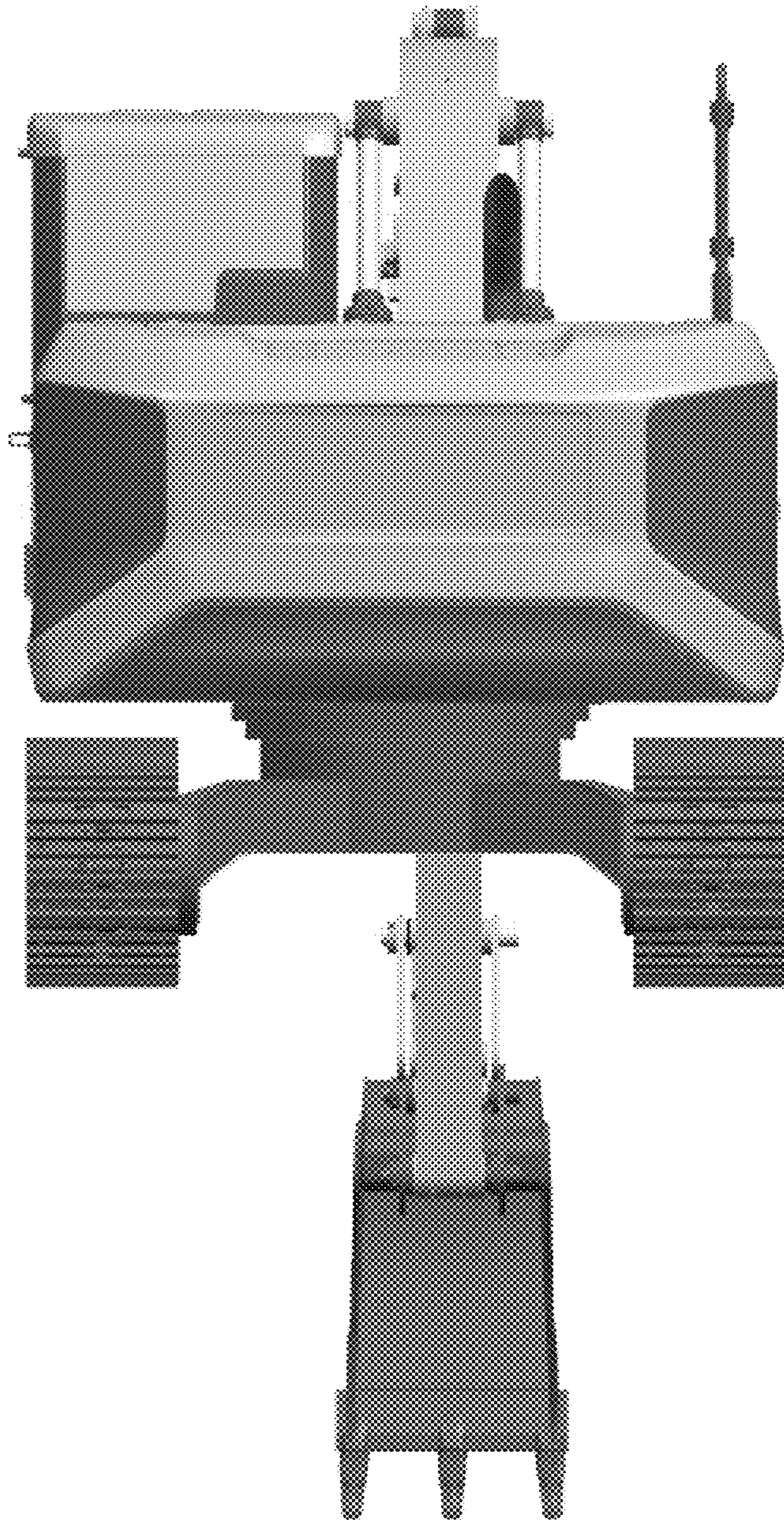


FIG. 5

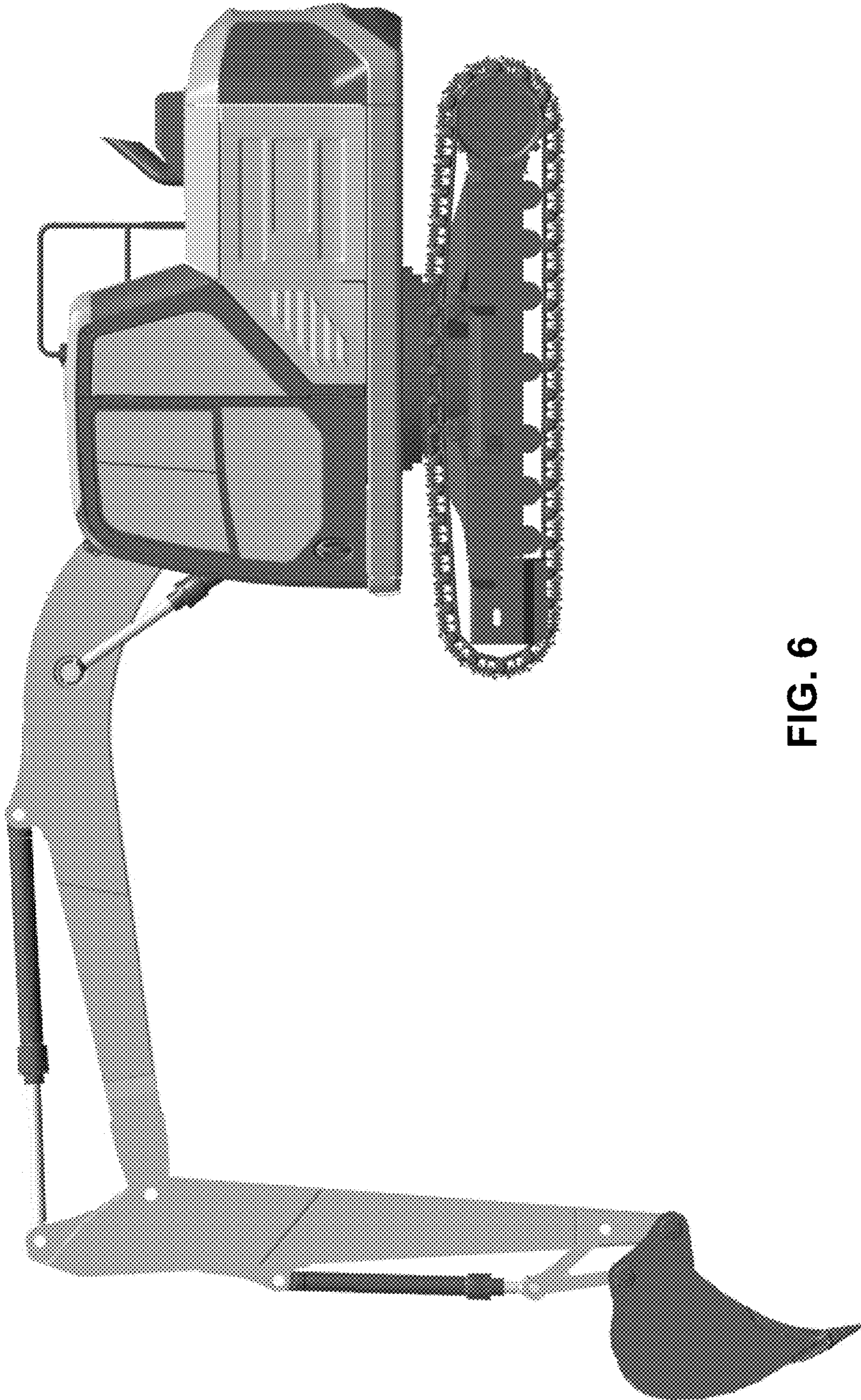


FIG. 6

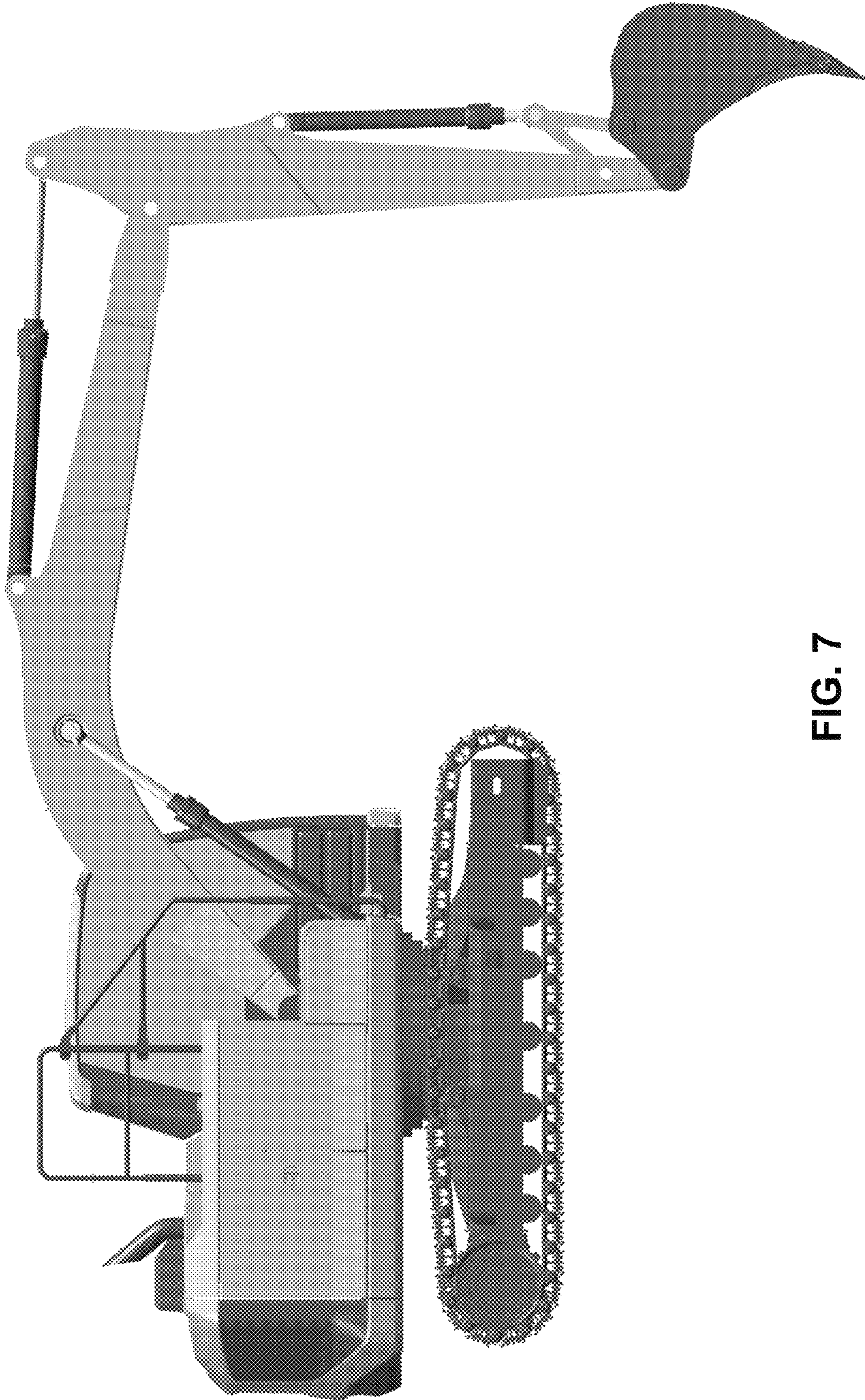


FIG. 7