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

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(54) **ASPHALT SCREED**

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(73) Assignee: **Caterpillar Paving Products Inc.**, Minneapolis, MN (US)

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

(21) Appl. No.: **29/423,093**

(22) Filed: **May 29, 2012**

**Related U.S. Application Data**

(63) Continuation of application No. 29/403,108, filed on Sep. 30, 2011.

(51) **LOC (9) Cl.** ..... **15-03**

(52) **U.S. Cl.** ..... **D15/19; D15/22**

(58) **Field of Classification Search** ..... D15/10, D15/13, 19, 22-26, 28; 404/110, 101, 108, 404/75, 102, 118, 84.08, 105  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D135,005 S \* 2/1943 Baumgardner ..... D15/10  
(Continued)

**FOREIGN PATENT DOCUMENTS**

EP 1577443 9/2005

**OTHER PUBLICATIONS**

“AB 340 Extending Screed”, document downloaded from the Voegle Website at <[http://www.voegle.info/en/produkte/einbaubohlen/ausziehbohlen/ab\\_340/AB\\_340\\_-\\_Einzelseite.php](http://www.voegle.info/en/produkte/einbaubohlen/ausziehbohlen/ab_340/AB_340_-_Einzelseite.php)>.

“AB500-2 and AB 600-2 Extending Screeds” document downloaded from the Voegle website at <[http://www.resansil.com/english/images/voegle/ab500\\_2\\_ab600\\_2\\_en.pdf](http://www.resansil.com/english/images/voegle/ab500_2_ab600_2_en.pdf)>.

(Continued)

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(57) **CLAIM**

The ornamental design for an asphalt screed, as shown and described.

**DESCRIPTION**

FIG. 1 is a front view of an asphalt screed showing our new design in an extended configuration.

FIG. 2 is a right front perspective view of an asphalt screed showing our new design in an extended configuration.

FIG. 3 is a right side view of an asphalt screed showing our new design in an extended configuration.

FIG. 4 is a right rear perspective view of an asphalt screed showing our new design in an extended configuration.

FIG. 5 is a rear view of an asphalt screed showing our new design in an extended configuration.

FIG. 6 is a right rear perspective view of an asphalt screed showing our new design in an extended configuration.

FIG. 7 is a left side view of an asphalt screed showing our new design in an extended configuration.

FIG. 8 is a left front perspective view of an asphalt screed showing our new design in an extended configuration.

FIG. 9 is a plan view of an asphalt screed showing our new design in an extended configuration.

FIG. 10 is a front view of an asphalt screed showing our new design in a retracted configuration.

FIG. 11 is a right front perspective view of an asphalt screed showing our new design in a retracted configuration.

FIG. 12 is a right side view of an asphalt screed showing our new design in a retracted configuration.

FIG. 13 is a right rear perspective view of an asphalt screed showing our new design in a retracted configuration.

FIG. 14 is a rear view of an asphalt screed showing our new design in a retracted configuration.

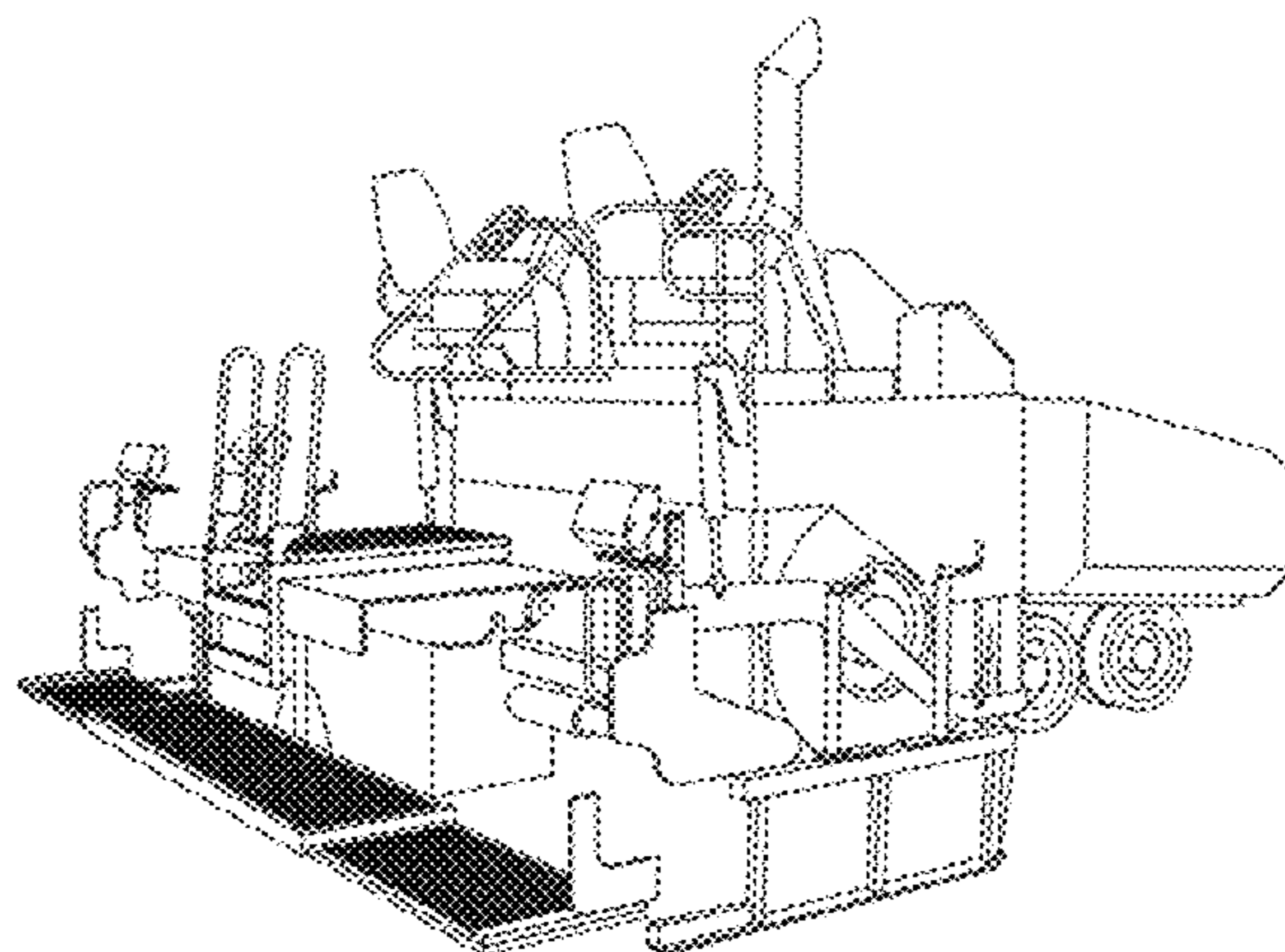
FIG. 15 is a right rear perspective view of an asphalt screed showing our new design in a retracted configuration.

FIG. 16 is a left side view of an asphalt screed showing our new design in a refracted configuration.

FIG. 17 is a left front perspective view of an asphalt screed showing our new design in a retracted configuration; and,

FIG. 18 is a plan view of an asphalt screed showing our new design in a retracted configuration.

**1 Claim, 18 Drawing Sheets**





## U.S. PATENT DOCUMENTS

3,000,277 A \* 9/1961 Crane et al. .... 404/118  
D206,177 S \* 11/1966 Unruh ..... D8/10  
D214,435 S \* 6/1969 Naeve ..... D12/218  
D219,011 S \* 10/1970 Marushak et al. .... D12/218  
D239,966 S \* 5/1976 Swisher et al. .... D15/22  
3,997,277 A \* 12/1976 Swisher et al. .... 404/84.05  
D256,466 S \* 8/1980 Smith et al. .... D15/22  
D266,850 S \* 11/1982 Godbersen ..... D15/22  
D323,511 S \* 1/1992 Swisher, Jr. .... D15/23  
5,201,603 A \* 4/1993 Bassett et al. .... 404/84.1  
5,201,604 A \* 4/1993 Ferguson et al. .... 404/110  
5,203,642 A \* 4/1993 Heller et al.  
D362,449 S \* 9/1995 Swisher, Jr. .... D15/22  
5,511,900 A \* 4/1996 Macku ..... 404/84.1  
D370,917 S \* 6/1996 Swisher, Jr. .... D15/29  
D397,121 S \* 8/1998 Smith ..... D15/15  
6,007,272 A \* 12/1999 Macku et al. .... 404/92  
6,099,205 A \* 8/2000 Macku et al. .... 404/92  
D433,425 S \* 11/2000 Surridge et al. .... D15/17  
6,193,437 B1 \* 2/2001 Heims ..... 404/110  
6,273,636 B1 \* 8/2001 Johanpeter  
6,375,386 B1 \* 4/2002 Macku et al. .... 404/17  
D457,175 S \* 5/2002 Goebert et al. .... D15/33  
D500,056 S \* 12/2004 DeYoung et al. .... D15/33  
D526,336 S \* 8/2006 Maas et al. .... D15/28  
D527,393 S \* 8/2006 Maas et al. .... D15/28  
D562,350 S \* 2/2008 Higashikawa ..... D15/17  
D573,611 S \* 7/2008 Geier ..... D15/20  
D578,142 S \* 10/2008 Ewringmann ..... D15/22  
D589,067 S \* 3/2009 Yamamoto ..... D15/28  
D591,775 S \* 5/2009 Kokitkar et al. .... D15/28  
D599,825 S \* 9/2009 Schneider et al. .... D15/22  
D608,374 S \* 1/2010 De Rycke et al. .... D15/33  
D618,711 S \* 6/2010 Tokuhara ..... D15/28  
D623,670 S \* 9/2010 Escobar ..... D15/28  
D632,308 S \* 2/2011 Kopacz et al. .... D15/19  
D635,158 S \* 3/2011 Berning et al. .... D15/33  
D635,159 S \* 3/2011 Berning et al. .... D15/33  
D635,160 S \* 3/2011 Berning et al. .... D15/33  
D635,593 S \* 4/2011 Berning et al. .... D15/33  
D638,860 S \* 5/2011 Kopacz et al. .... D15/19  
D642,599 S \* 8/2011 Busley ..... D15/33  
D643,858 S \* 8/2011 Kopacz et al. .... D15/19  
D643,860 S \* 8/2011 Busley ..... D15/33  
D644,669 S \* 9/2011 Escobar ..... D15/28  
D650,396 S \* 12/2011 Ewringmann ..... D15/22  
D652,432 S \* 1/2012 Kopacz et al. .... D15/19

## OTHER PUBLICATIONS

“Omniscreed IA” document downloaded from the Volvo website at <[http://www.volvoce.com/SiteCollectionDocuments/VCE/Documents%20Global/blaw%20knox%20screeds/22A1004066\\_Volvo\\_OmniScreed%20IA%20Product%20Brochure.pdf](http://www.volvoce.com/SiteCollectionDocuments/VCE/Documents%20Global/blaw%20knox%20screeds/22A1004066_Volvo_OmniScreed%20IA%20Product%20Brochure.pdf)>.  
“Wedge-Lock Screeds” document downloaded from the Volvo website at <[http://www.volvoce.com/SiteCollectionDocuments/VCE/Documents%20Global/blaw%20knox%20screeds/22A1004065\\_Volvo\\_Wedge-Lock%20Screed%20Product%20Brochure.pdf](http://www.volvoce.com/SiteCollectionDocuments/VCE/Documents%20Global/blaw%20knox%20screeds/22A1004065_Volvo_Wedge-Lock%20Screed%20Product%20Brochure.pdf)>.  
“Blaw-Knox Screeds” document downloaded from the Volvo website at <<http://www.volvoce.com/constructionequipment/na/en-us/products/pavers/blawknoxscreeds/Pages/introduction.aspx>>.  
“ABG Screed—Variomatic” document downloaded from the Volvo website at <<http://www.volvoce.com/constructionequipment/na/en-us/products/pavers/abgscreedsvariomatic/Pages/introduction.aspx>>.  
“Ultimat 200” document downloaded from the Volvo website at <[http://www.volvoce.com/SiteCollectionDocuments/VCE/Documents%20Global/blaw%20knox%20screeds/Ultimat200\\_22A1005745\\_lr.pdf](http://www.volvoce.com/SiteCollectionDocuments/VCE/Documents%20Global/blaw%20knox%20screeds/Ultimat200_22A1005745_lr.pdf)>.  
“Eagle Series Screed” document downloaded from the Roadtec website at <[http://www.roadtec.com/images/roadtec\\_literature/screeds/screeds.pdf](http://www.roadtec.com/images/roadtec_literature/screeds/screeds.pdf)>.  
“EZ III” document downloaded from the Carlson website at <<http://www.carlsonpavingproducts.com/downloads/screed-III.pdf>>.  
“EZ IV” document downloaded from the Carlson website at <<http://www.carlsonpavingproducts.com/downloads/screed-IV.pdf>>.  
“VB340TV-E” document downloaded from the Dynapac website at <<http://www.dynapac.com/en/Products/?product=122&cat=45>>.  
“Apollo Screed” document downloaded from the Apollo website at <<http://www.apollo.co.in/hydrostatic-sensor-paver-finishers-ap-550-gallery.html>>.  
“Screed on AFW 500 E/G paver” document downloaded from the Ammann website at <[http://www.ammann-group.it/fileadmin/ammann/pdf/fertiger/ammann-paver\\_AFW500\\_en.pdf](http://www.ammann-group.it/fileadmin/ammann/pdf/fertiger/ammann-paver_AFW500_en.pdf)>.  
“Caterpillar Extend-A-Mat” document downloaded from the Caterpillar website at <<http://www.cat.com/cda/layout?m=607793&x=7>>.  
“Caterpillar Vers-A-Mat” document downloaded from the Caterpillar website at <<http://www.cat.com/cda/layout?m=607792&x=7>>.

\* cited by examiner

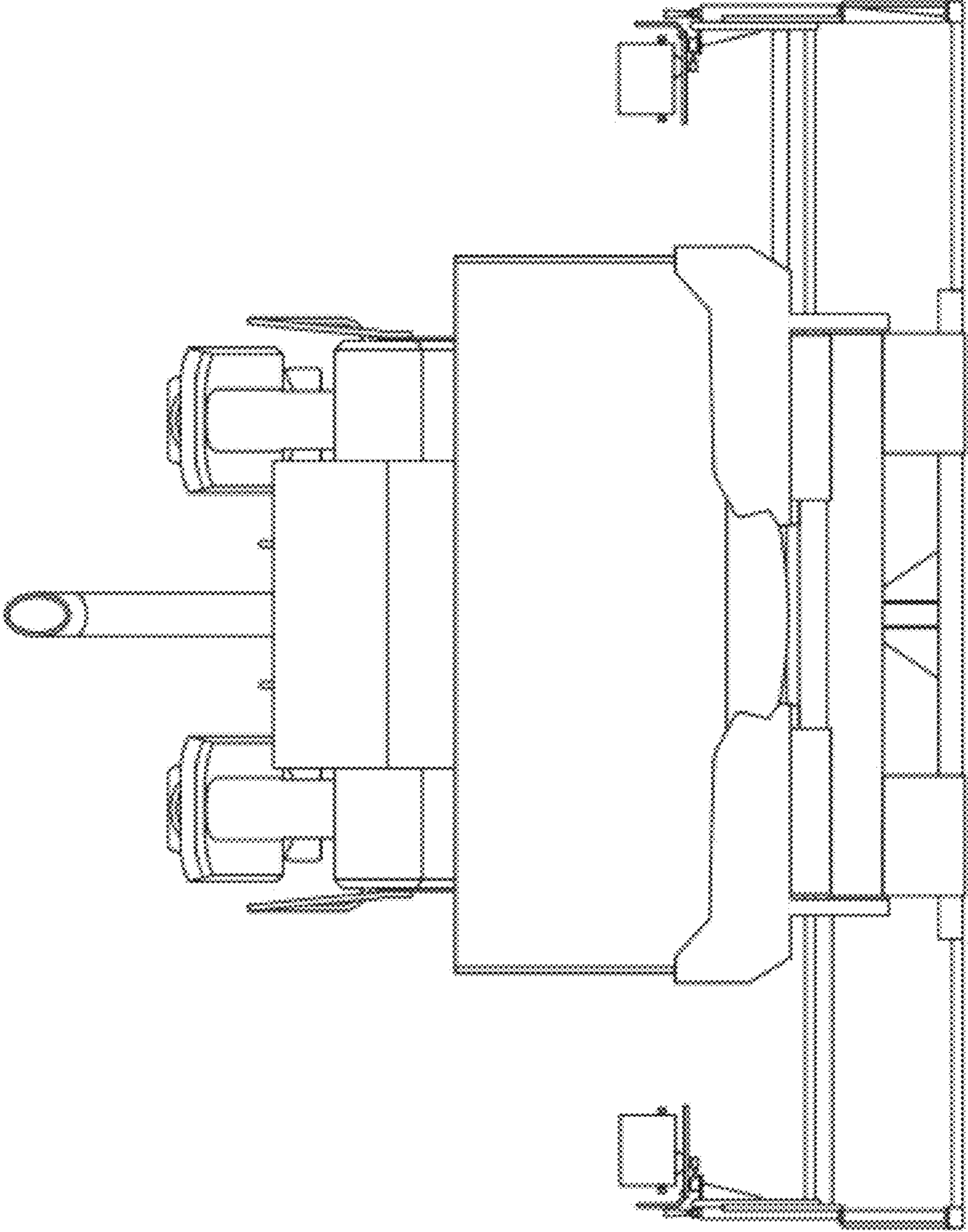


FIG. 1



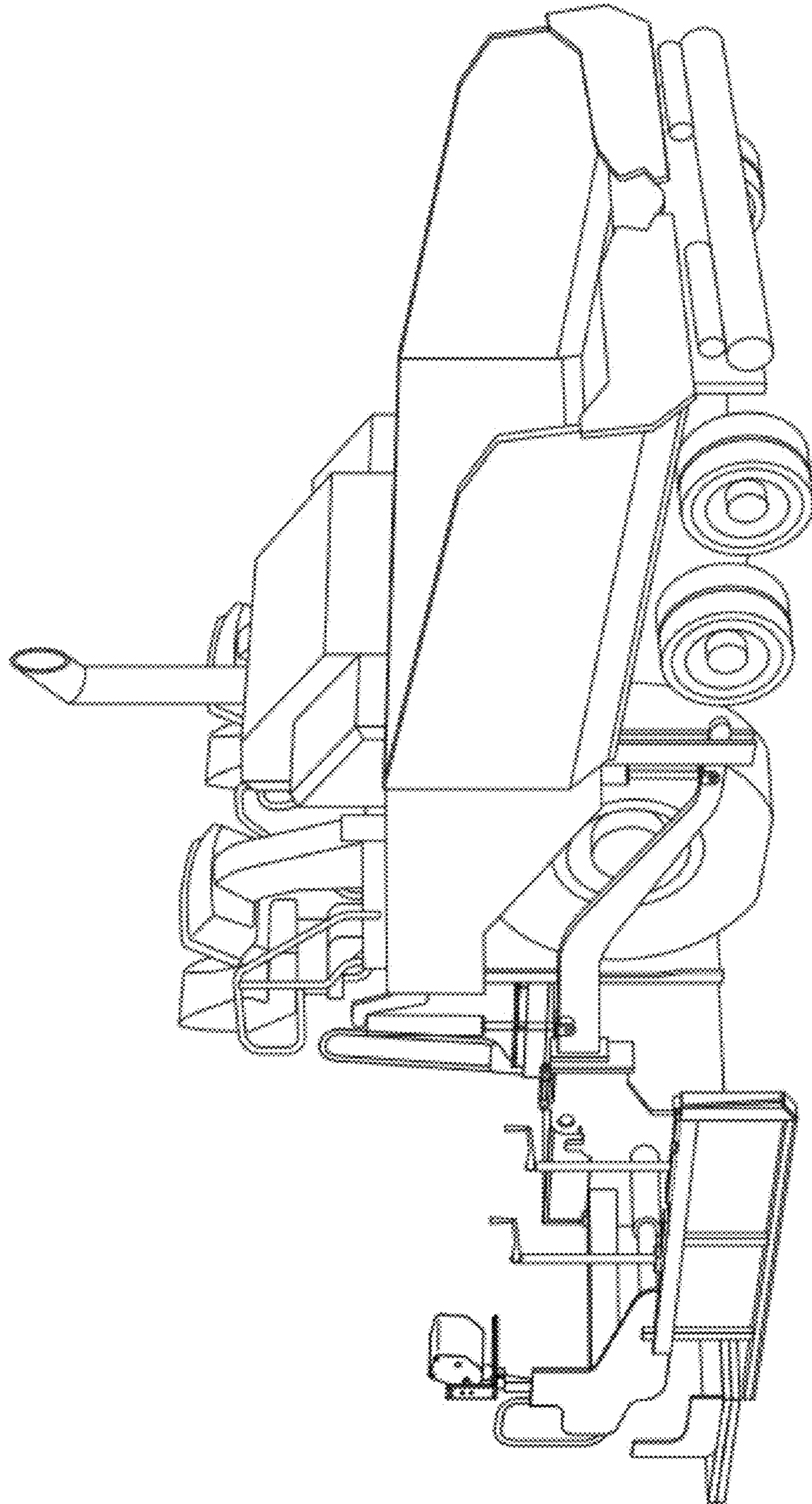


FIG. 2

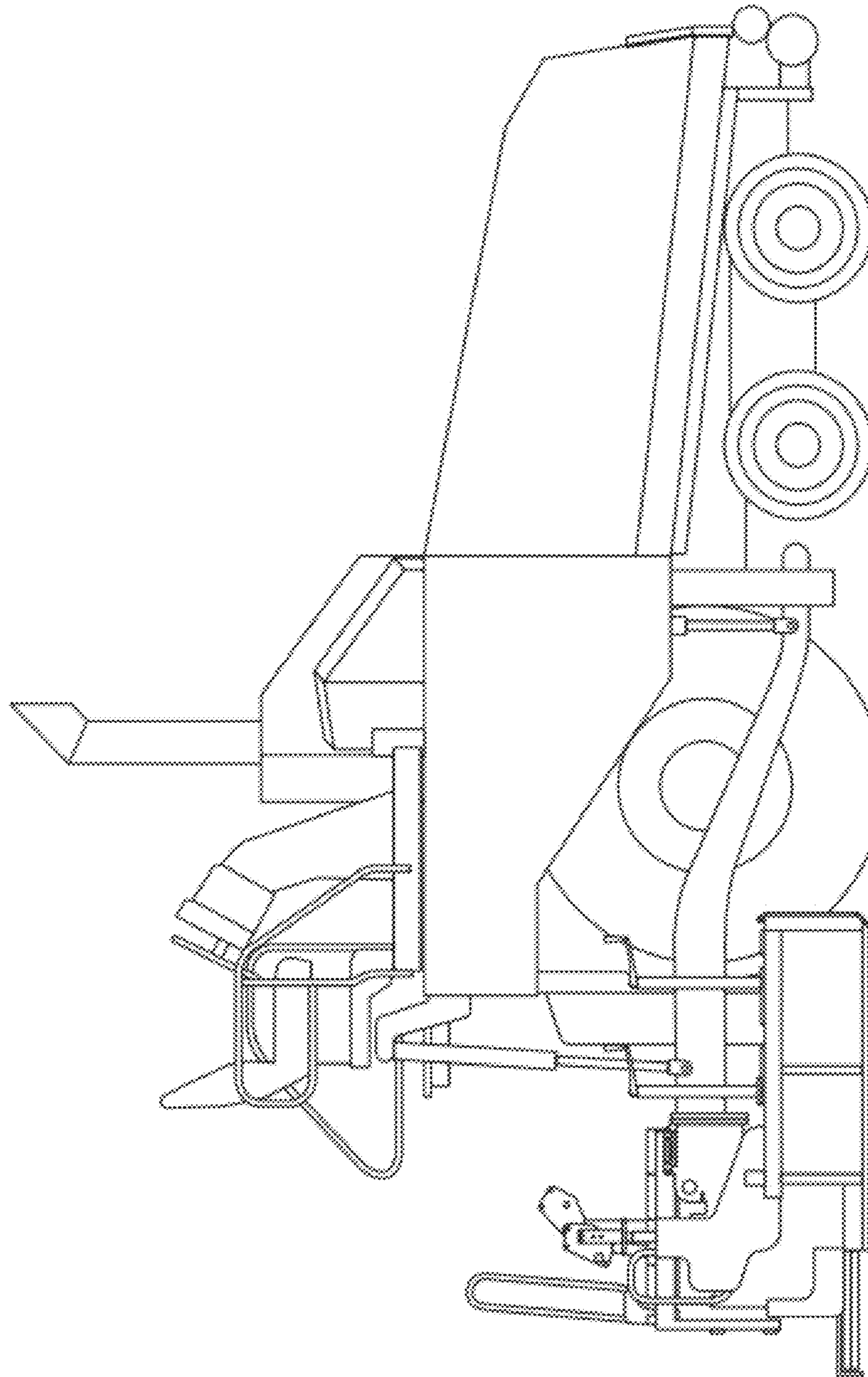


FIG. 3



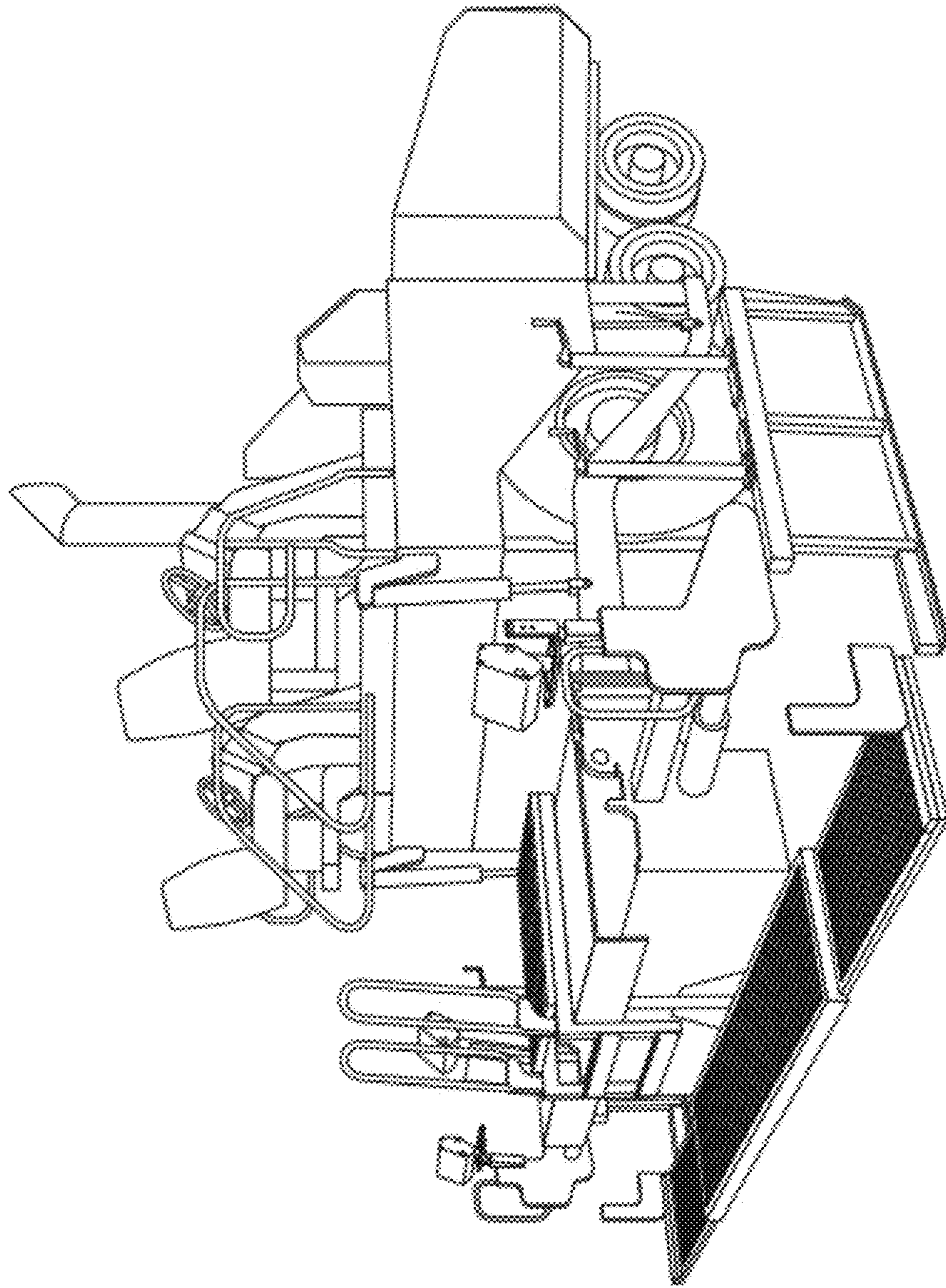


FIG. 4

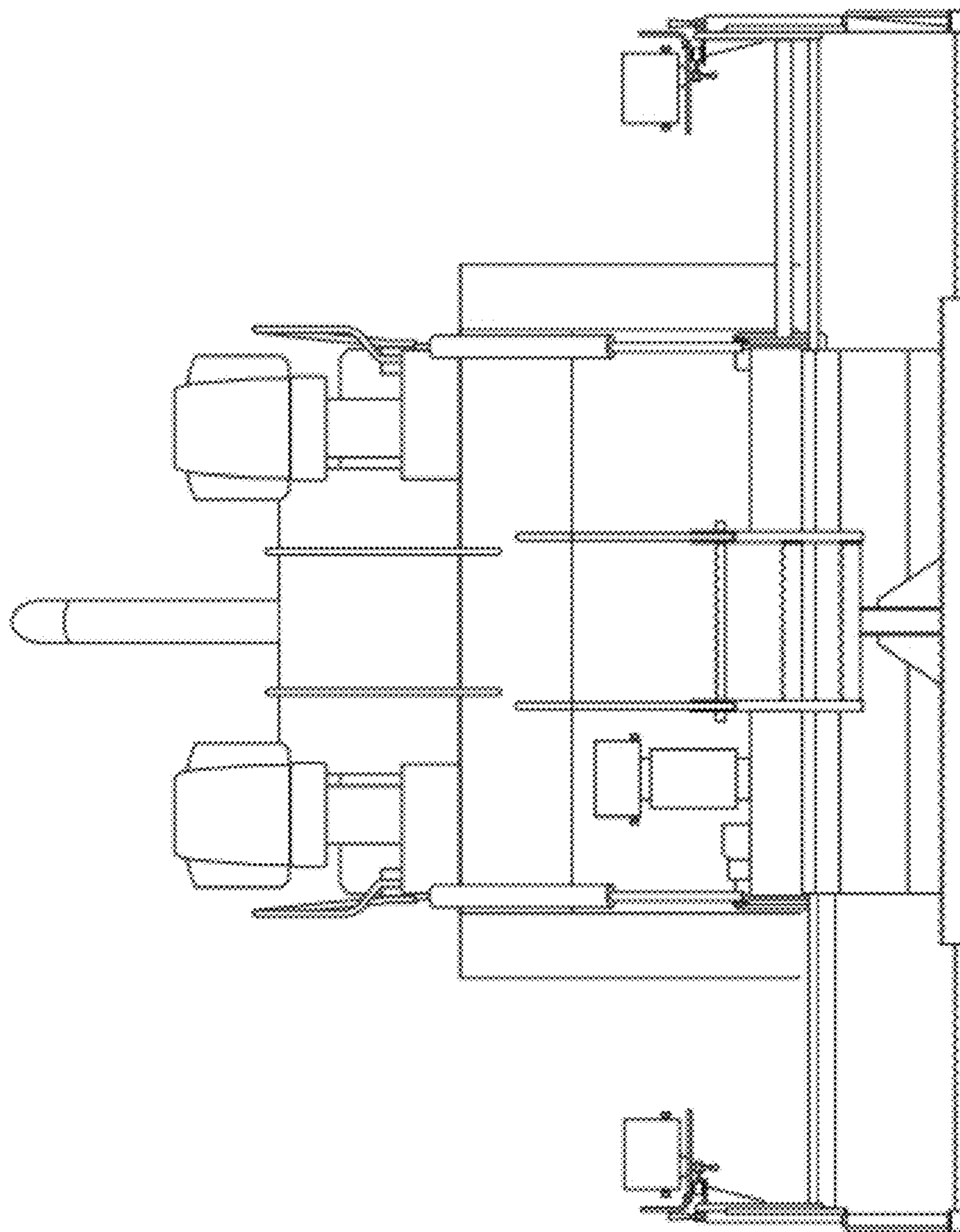


FIG. 5



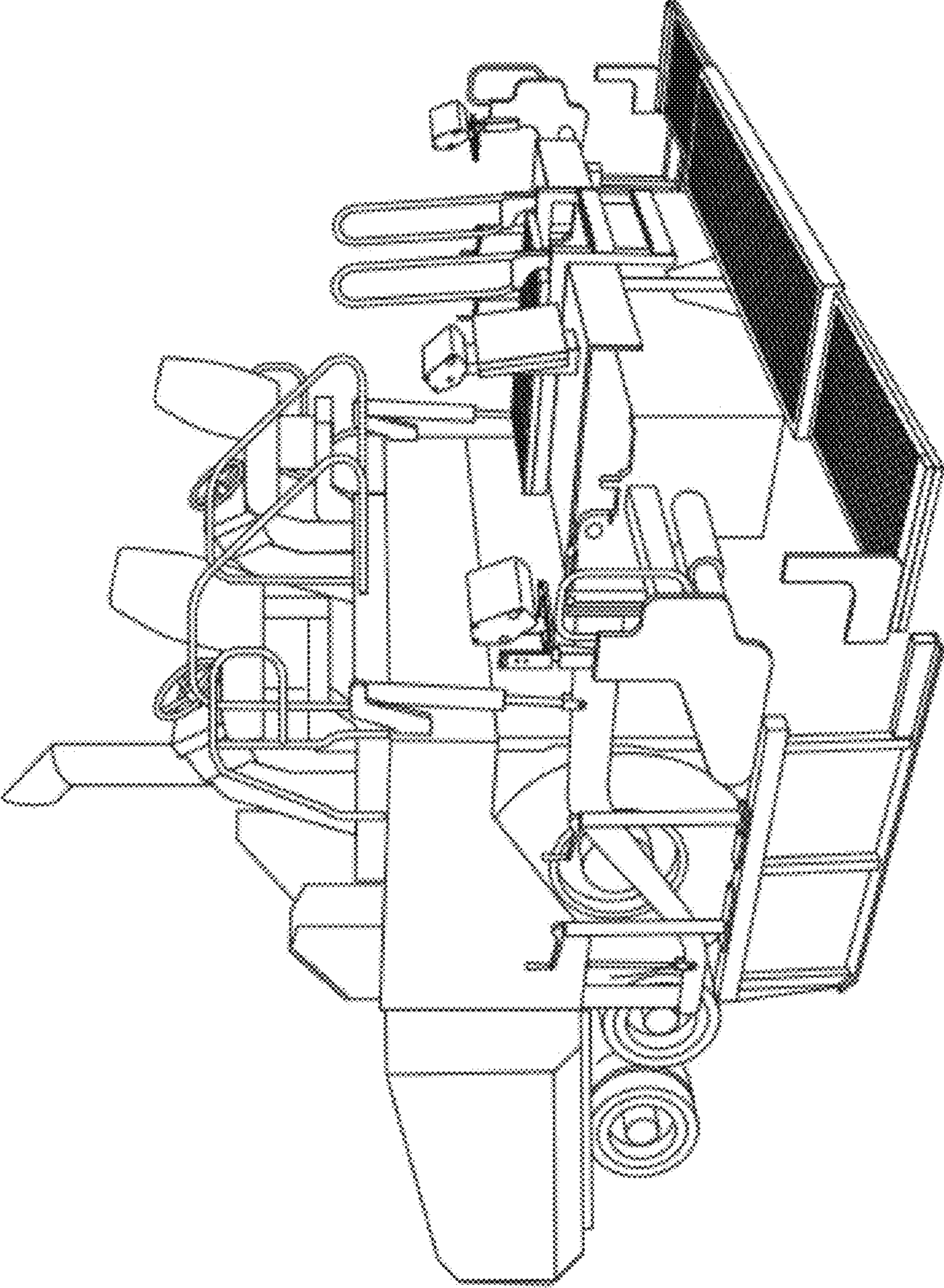


FIG. 6



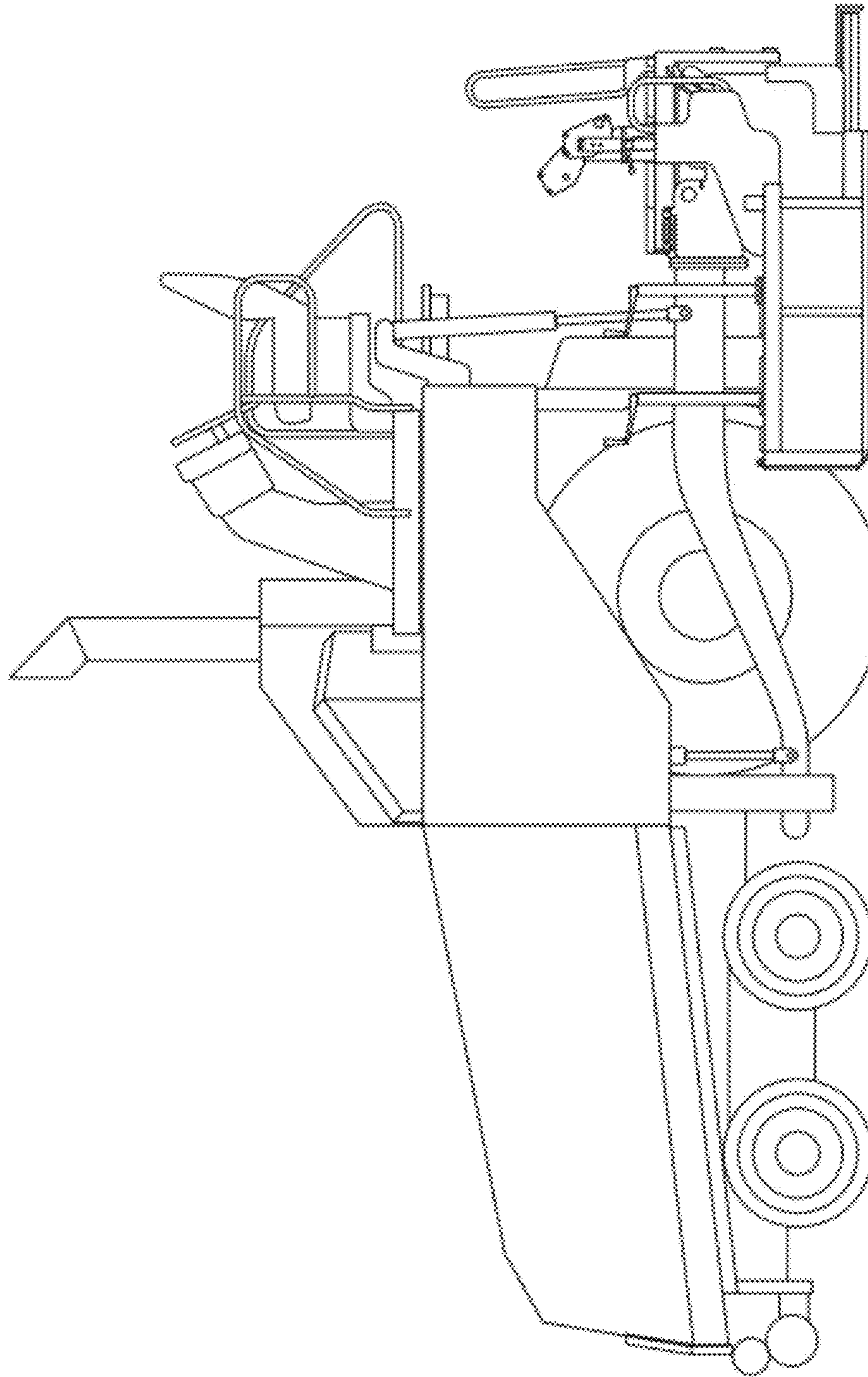


FIG. 7

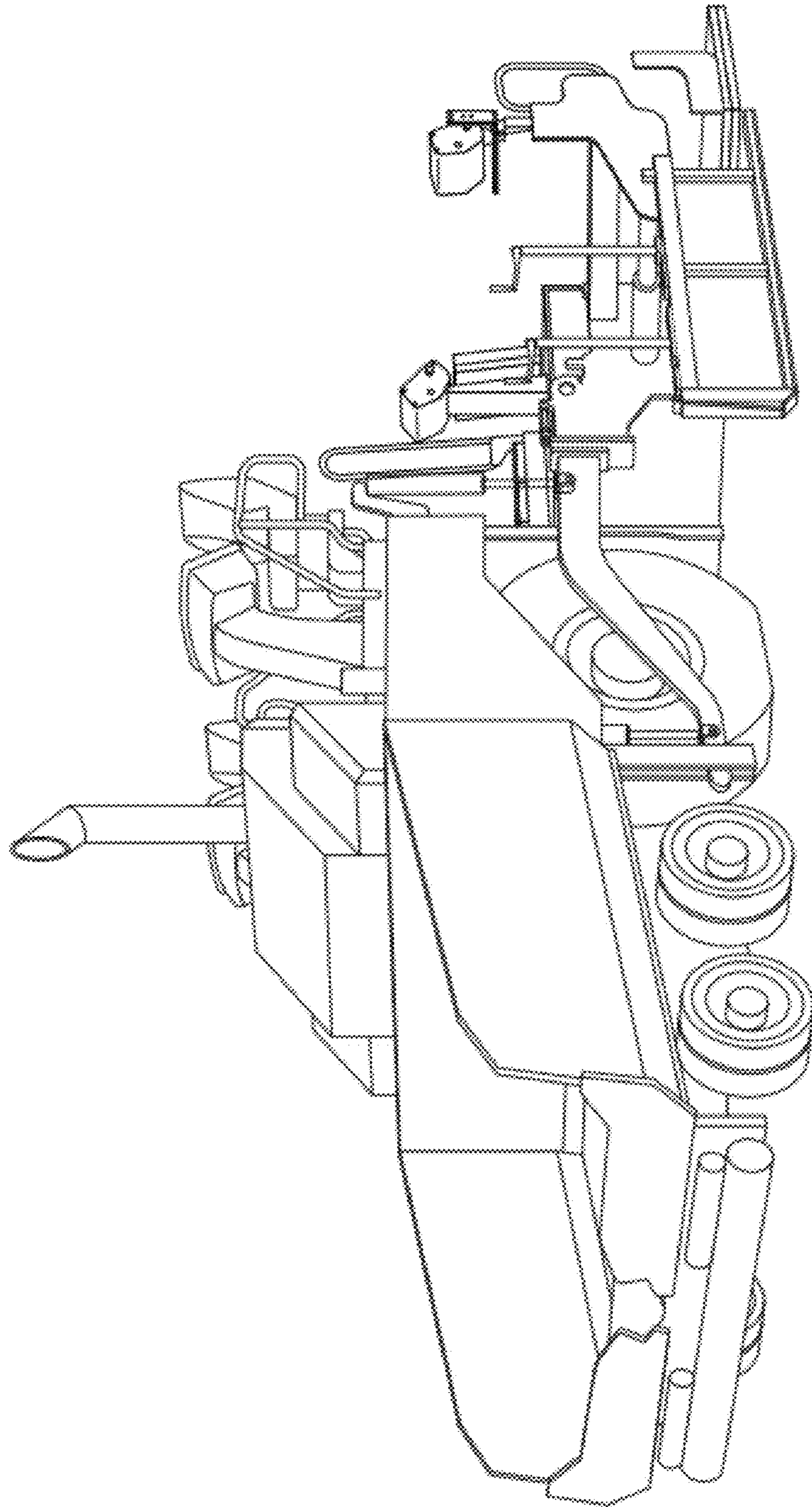


FIG. 8



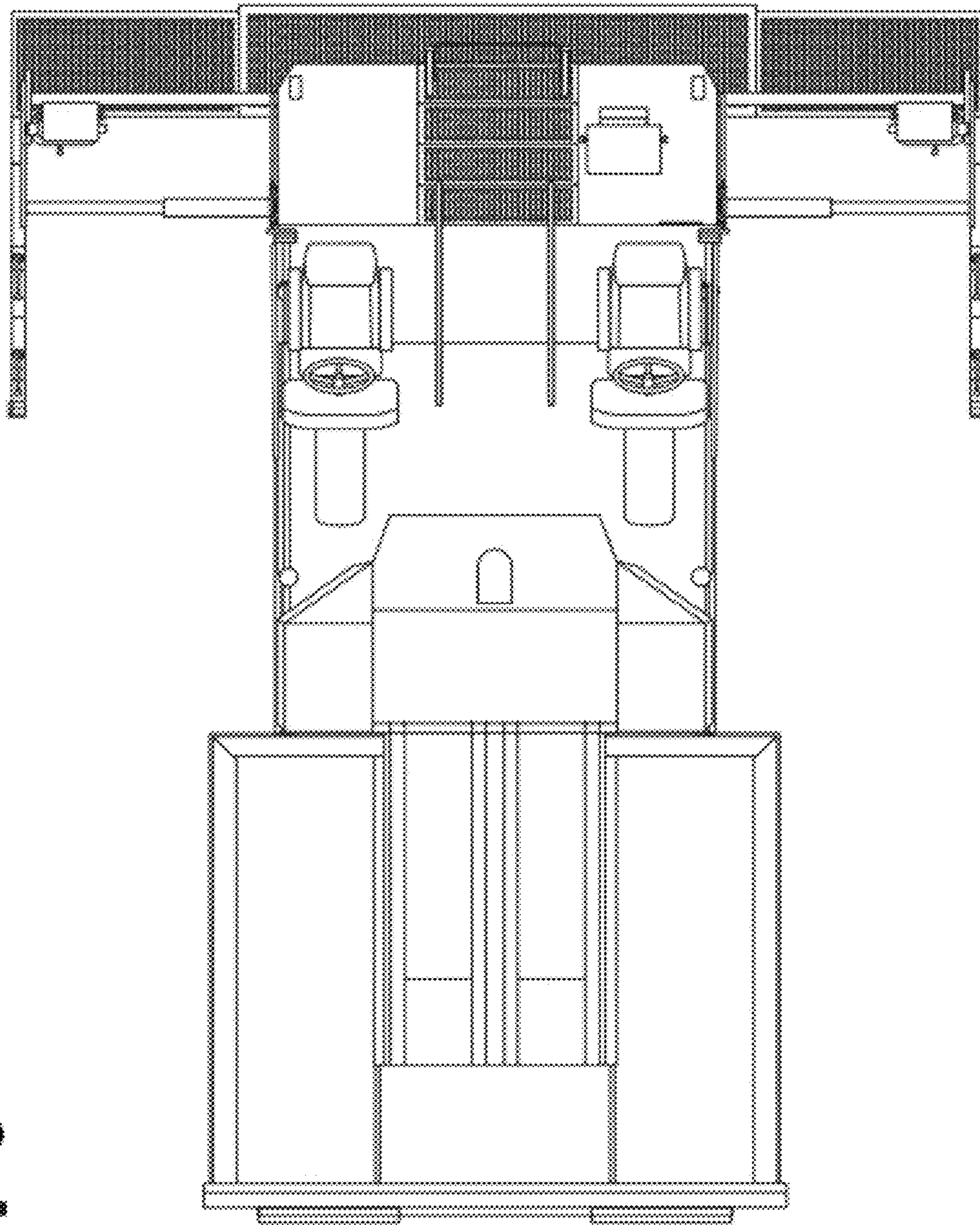


FIG. 9

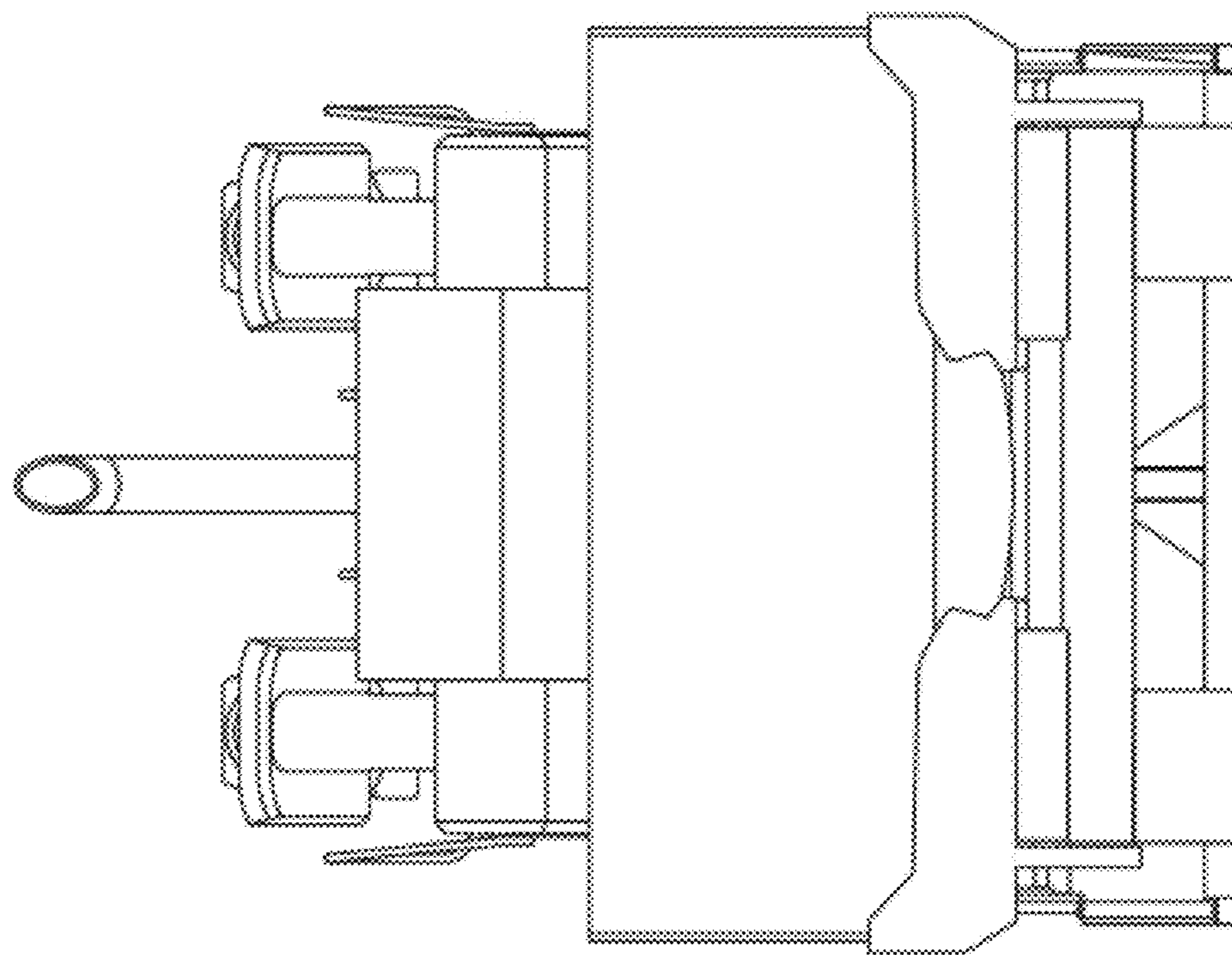


FIG. 10



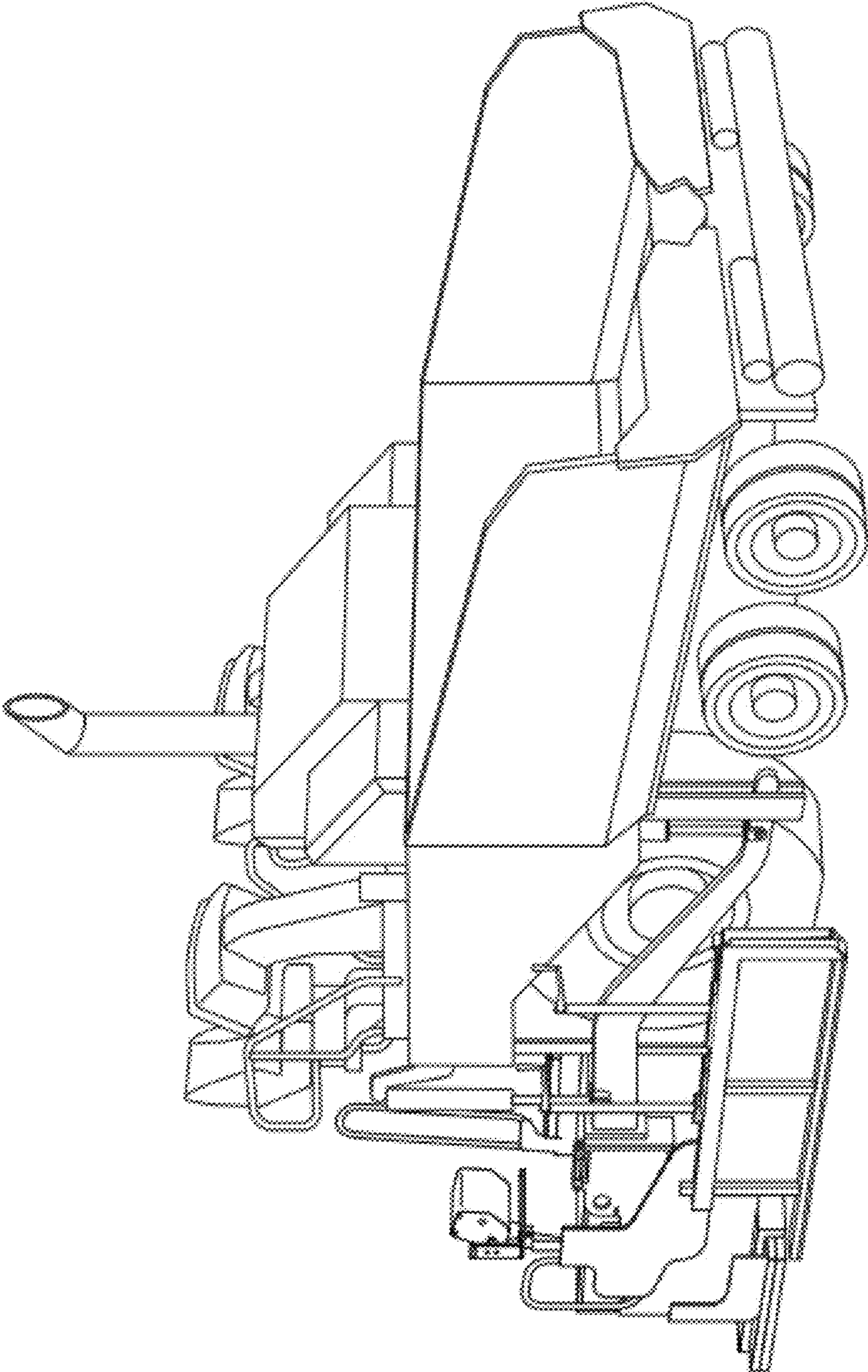
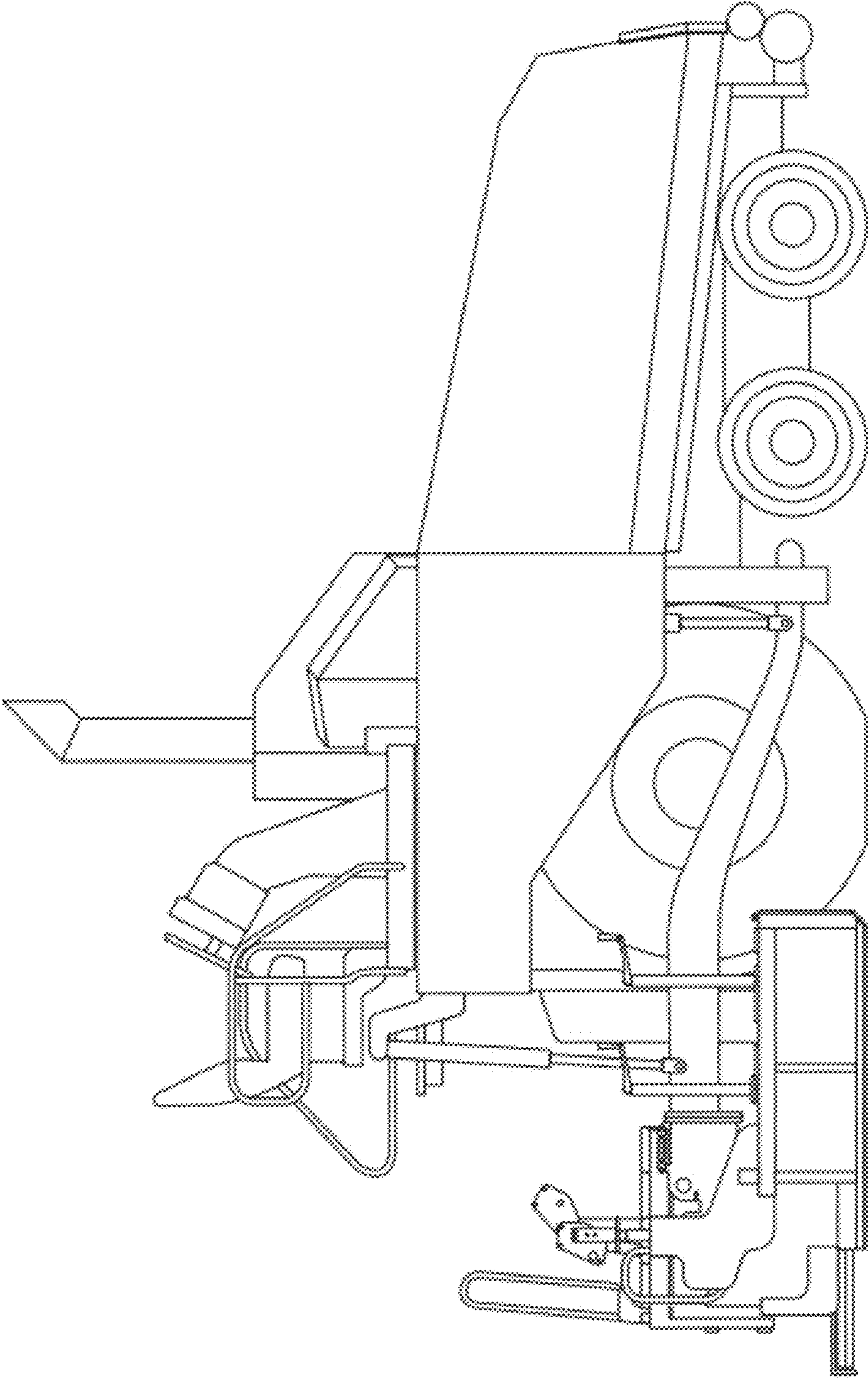
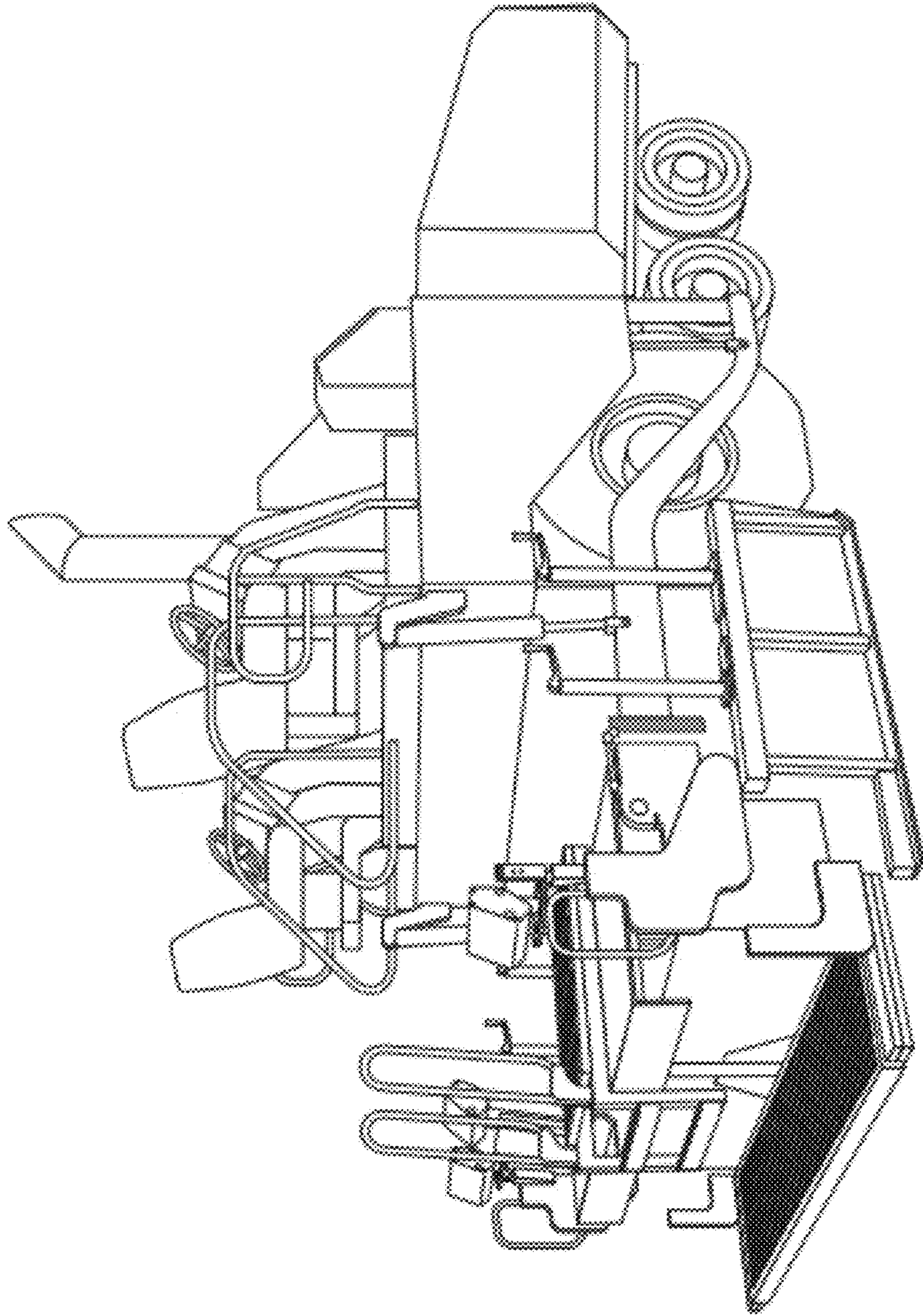


FIG. 11

**FIG. 12**







**FIG. 13**

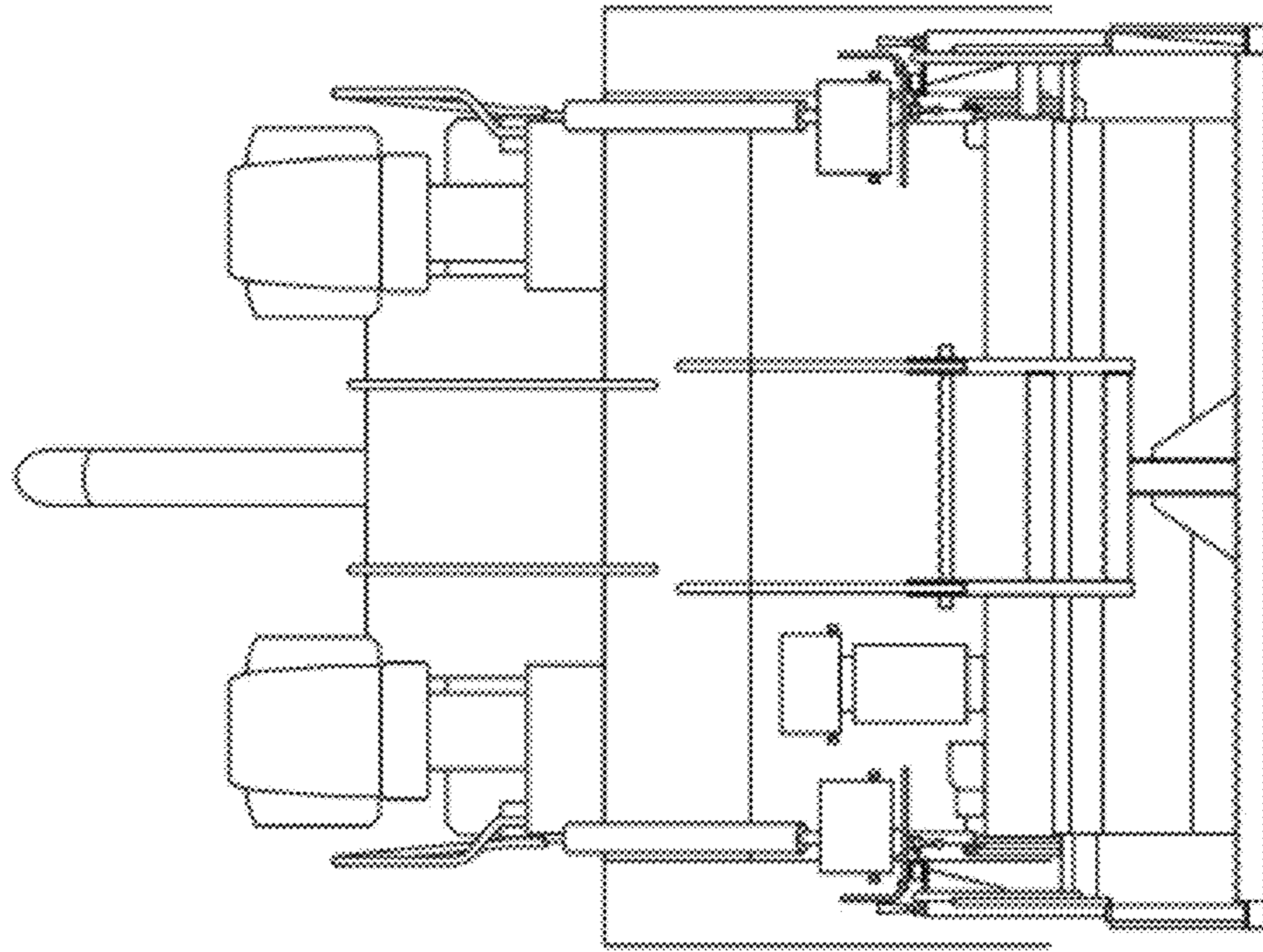
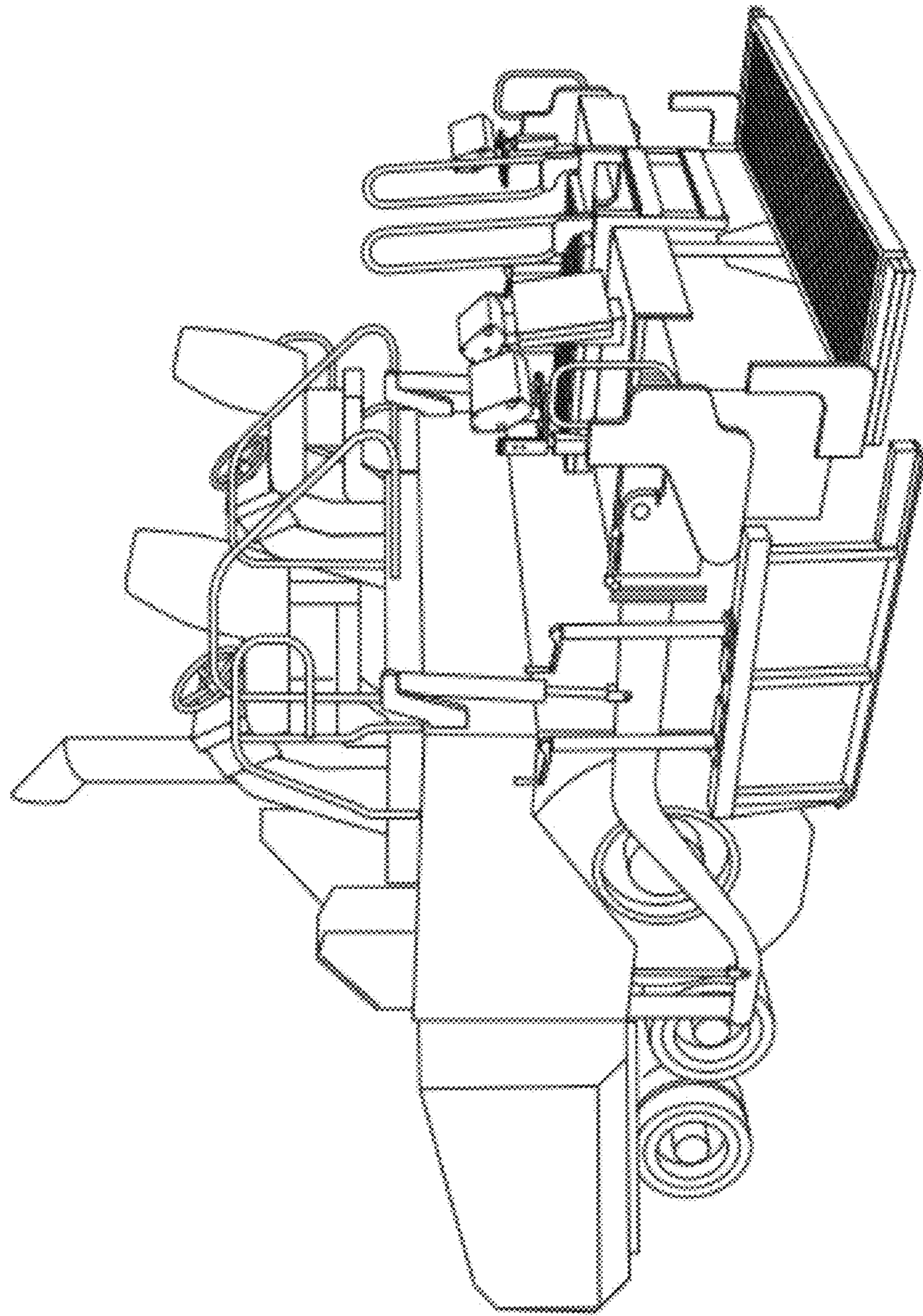


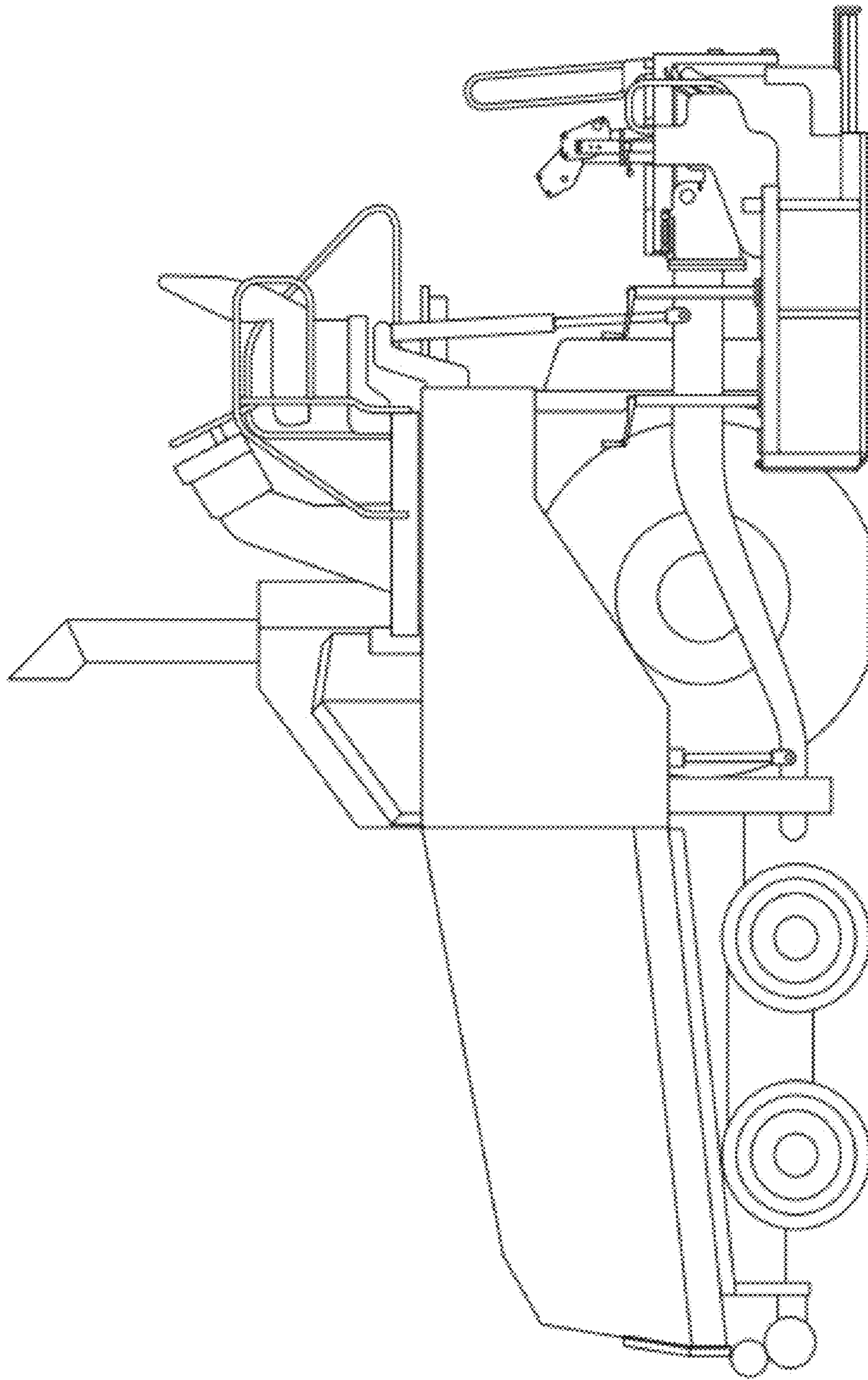
FIG. 14





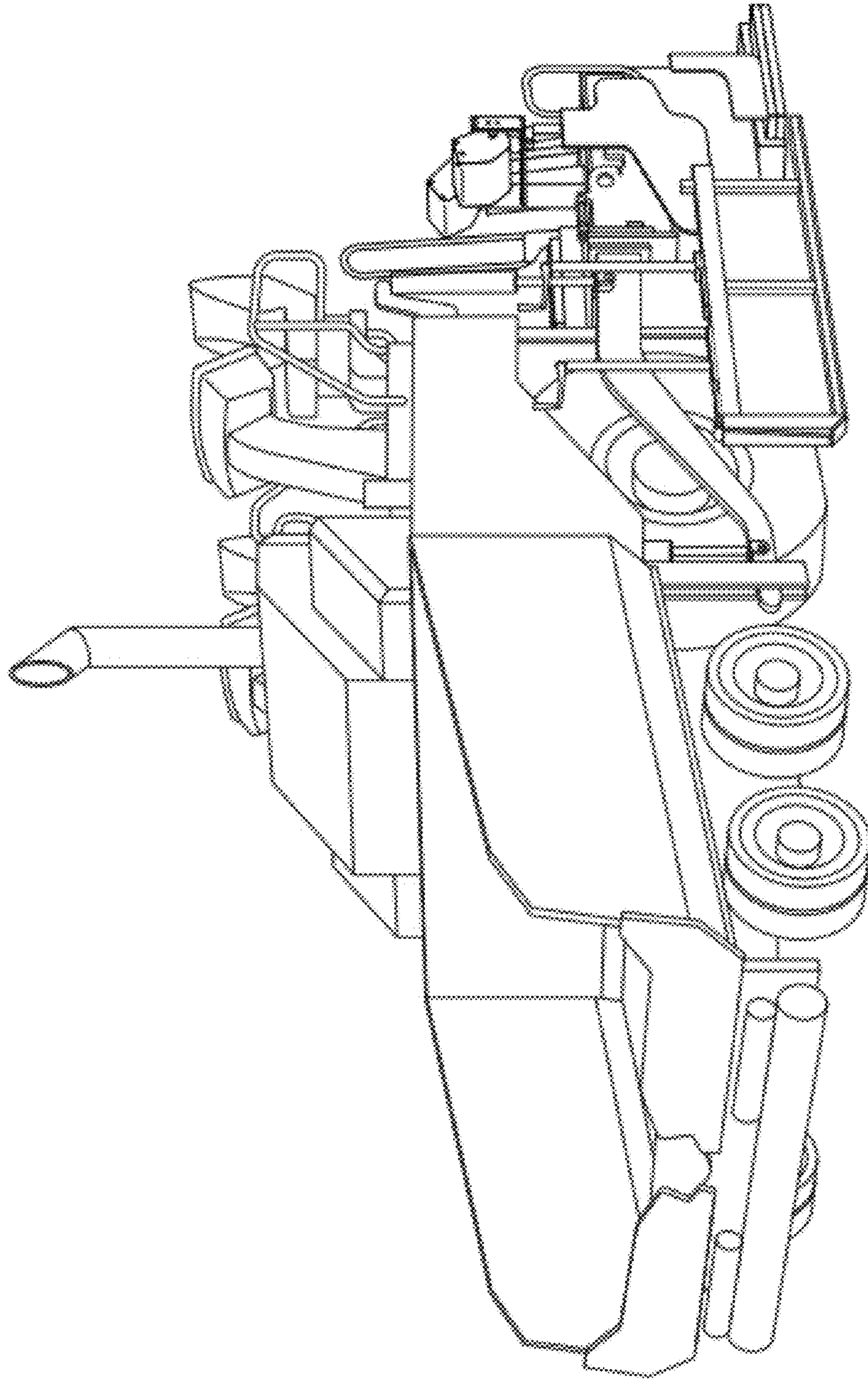
**FIG. 15**

**FIG. 16**





**FIG. 17**



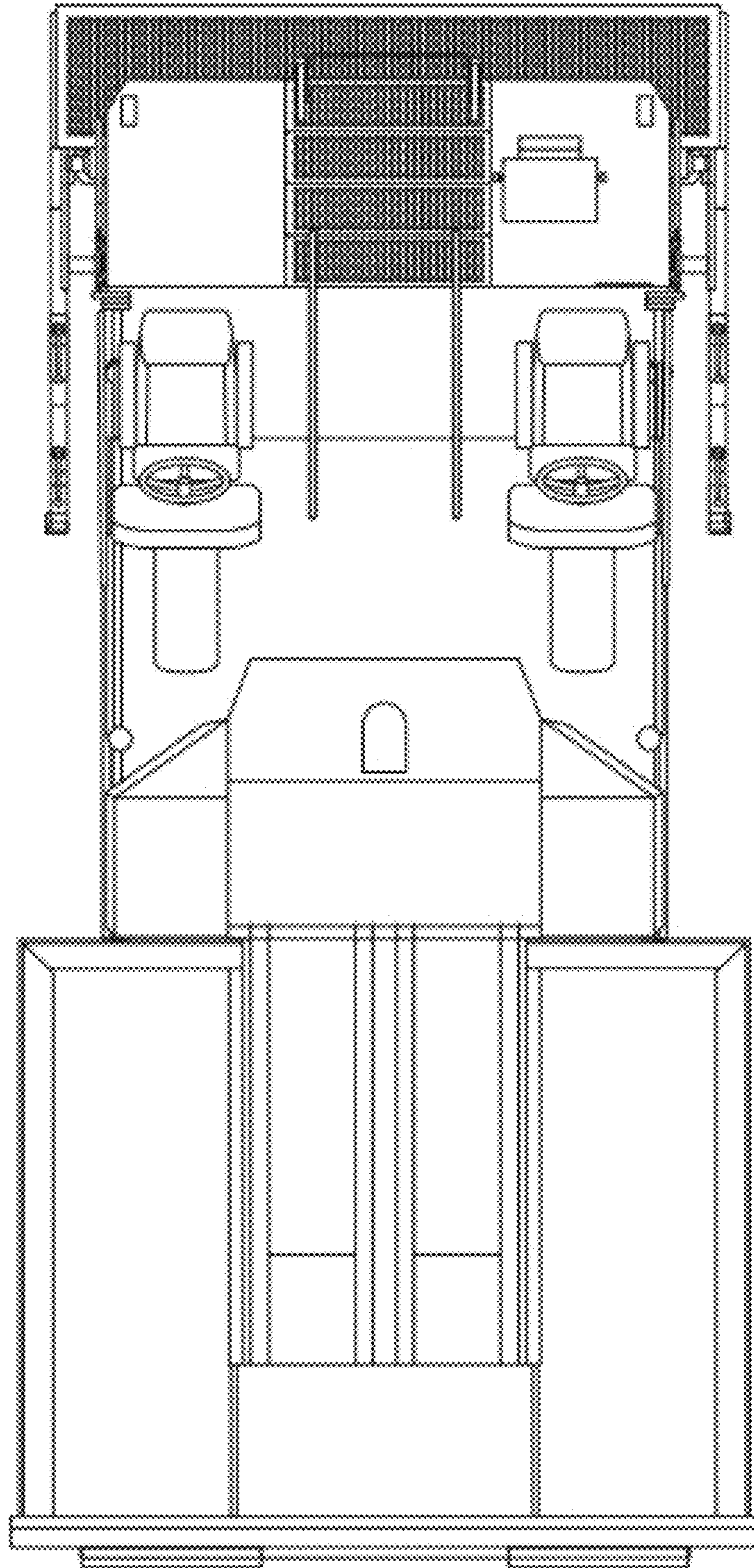


FIG. 18