US00D771714S

(12) United States Design Patent

Hines et al.

(10) Patent No.: US D771,714 S
(45) Date of Patent: ** Nov. 15, 2016

(54) **DIAPHRAGM PUMP**

(71) Applicant: **Graco Minnesota Inc.**, Minneapolis, MN (US)

(72) Inventors: **Bradley H. Hines**, Andover, MN (US); **Brian W. Koehn**, Minneapolis, MN (US); **Ronald A. Flor**, Anoka, MN (US); **David L. Breeser**, Minneapolis, MN (US); **Todd L. Johnson**, Minneapolis, MN (US)

(73) Assignee: **Graco Minnesota Inc.**, Minneapolis, MN (US)

(**) Term: **15 Years**

(21) Appl. No.: **29/537,492**

(22) Filed: **Aug. 26, 2015**

(51) **LOC (10) Cl.** **15-02**

(52) **U.S. Cl.**
USPC **D15/7**

(58) **Field of Classification Search**
USPC D15/7–9; D23/231, 232, 225; 417/60, 417/235, 265, 321, 355, 358, 363, 359, 417/410.1, 415–416, 405, 900, 269, 539; 60/408, 412; 184/26–37; 415/140–147; 123/495, 509; 137/565.34
CPC F02M 37/04; F02M 37/14; F04B 53/92; F04B 1/005
See application file for complete search history.

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Primary Examiner — Ralf Seifert
(74) *Attorney, Agent, or Firm* — Douglas B. Farrow

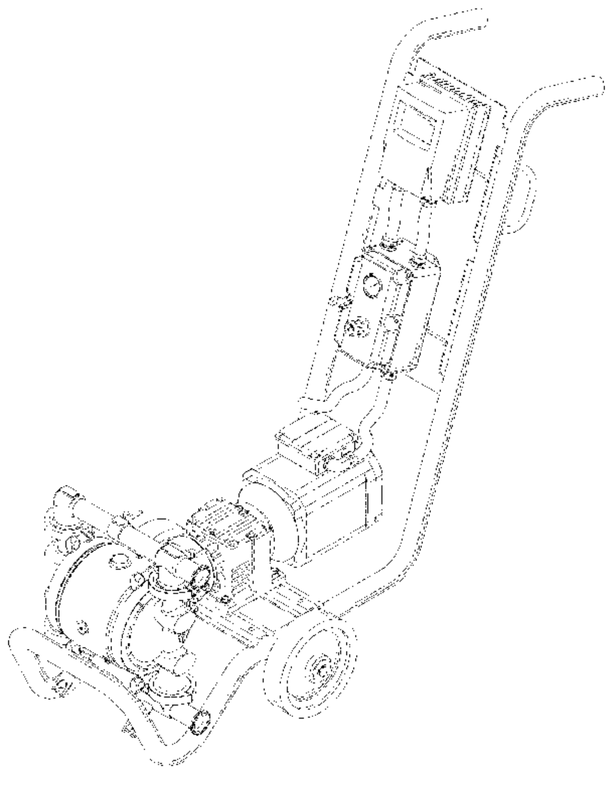
(57) **CLAIM**

The ornamental design for a diaphragm pump, as shown and described.

DESCRIPTION

FIG. **1** is an isometric view of the first embodiment of a diaphragm pump;
FIG. **2** is a front view thereof;
FIG. **3** is a left view thereof;
FIG. **4** is a rear view thereof;
FIG. **5** is a right side view thereof;
FIG. **6** is a top view thereof;
FIG. **7** is a bottom view of a diaphragm pump;
FIG. **8** is an isometric view of the second embodiment of a diaphragm pump;
FIG. **9** is a front view of FIG. **8**;
FIG. **10** is a left view of FIG. **8**;
FIG. **11** is a rear view of FIG. **8**;
FIG. **12** is a right side view of FIG. **8**;
FIG. **13** is a top view of FIG. **8**; and,
FIG. **14** is a bottom view of FIG. **8**.

1 Claim, 14 Drawing Sheets



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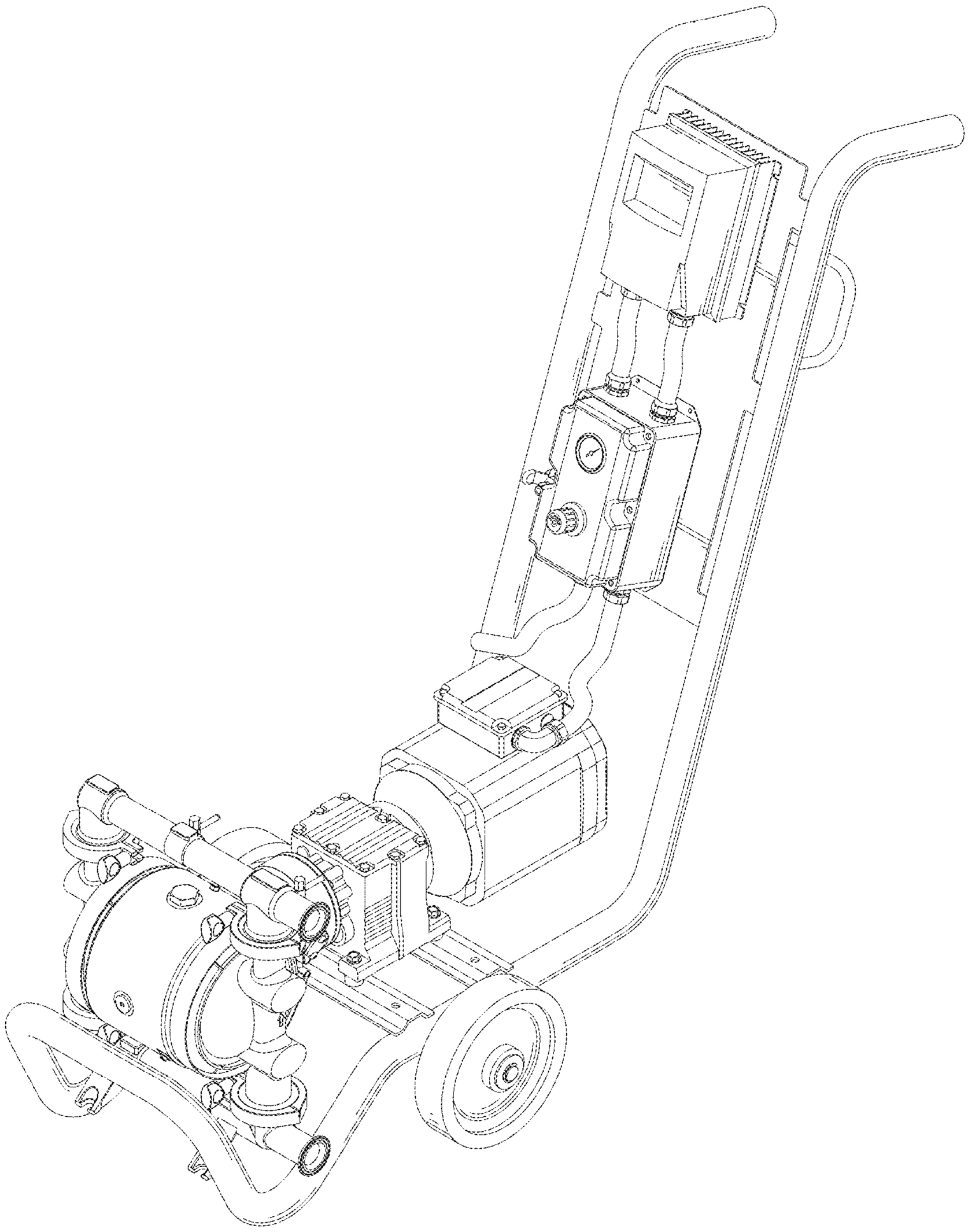

FIG. 1

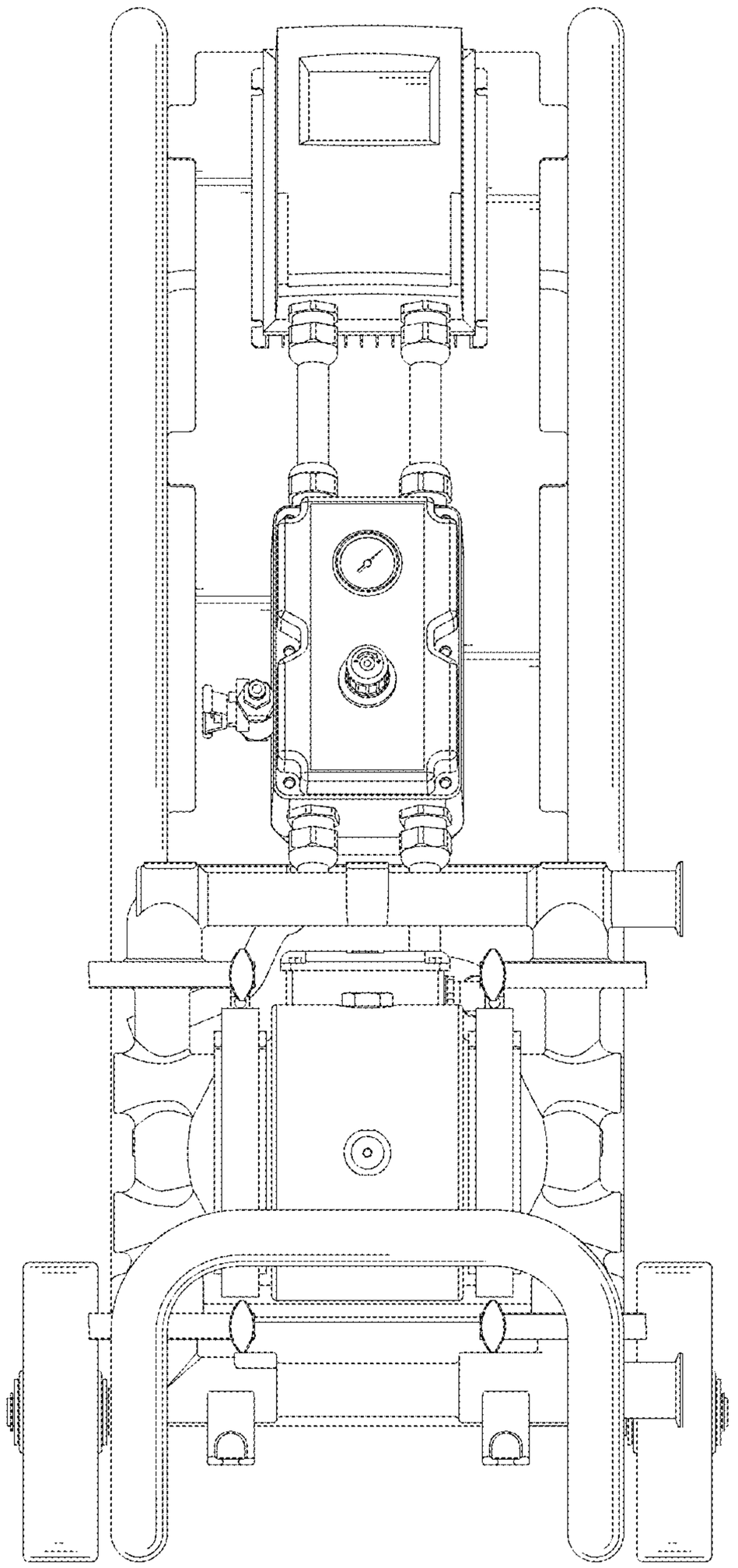

FIG. 2

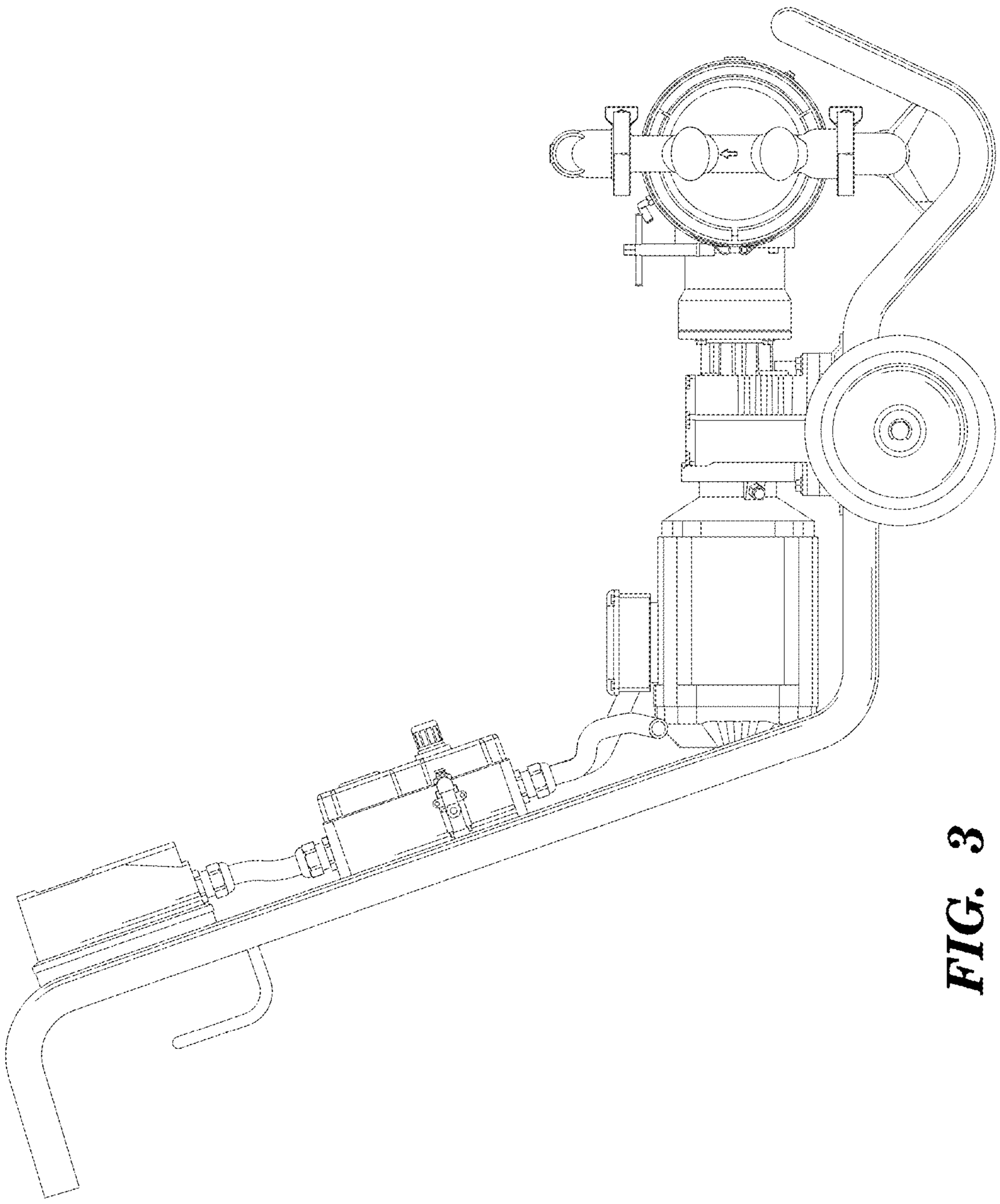

FIG. 3

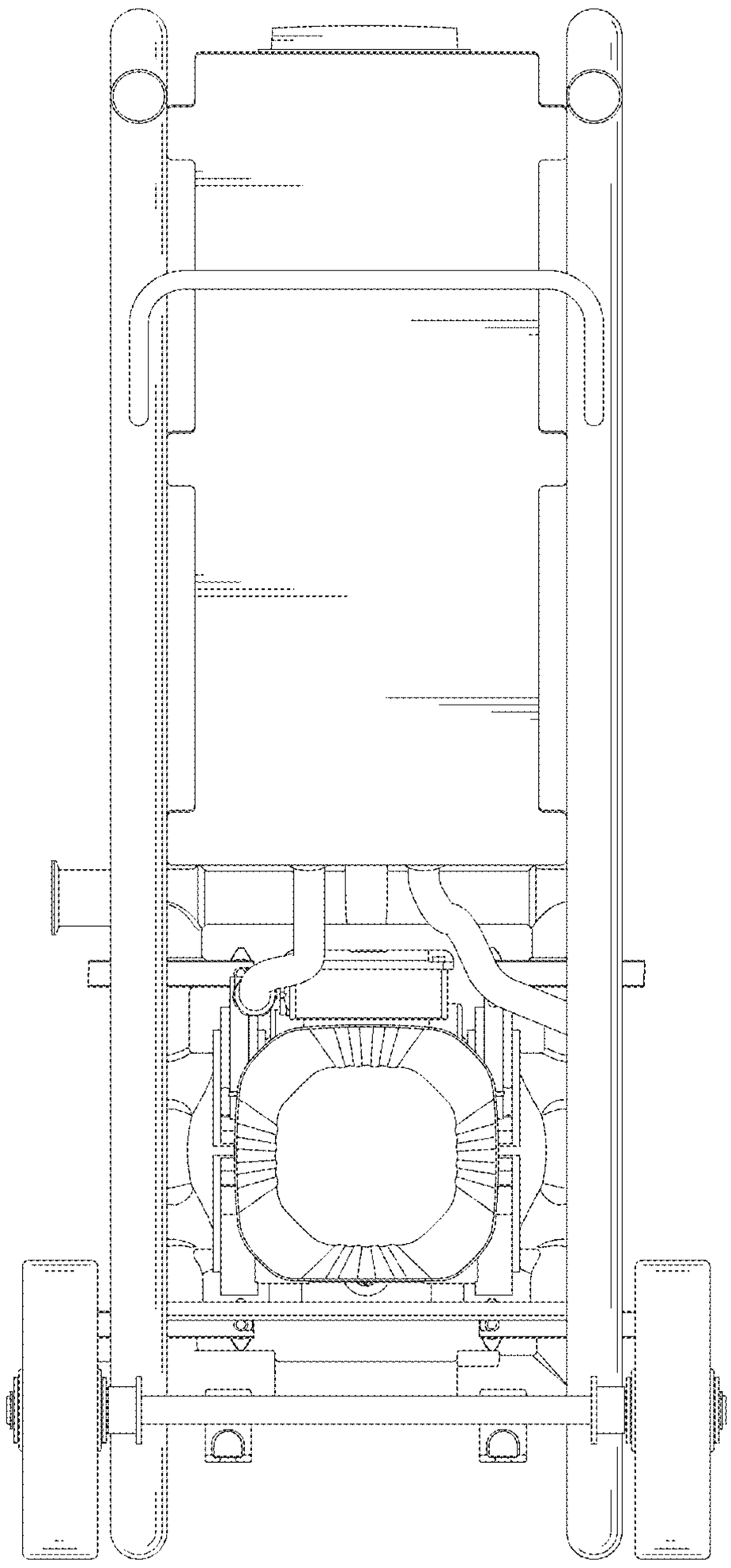

FIG. 4

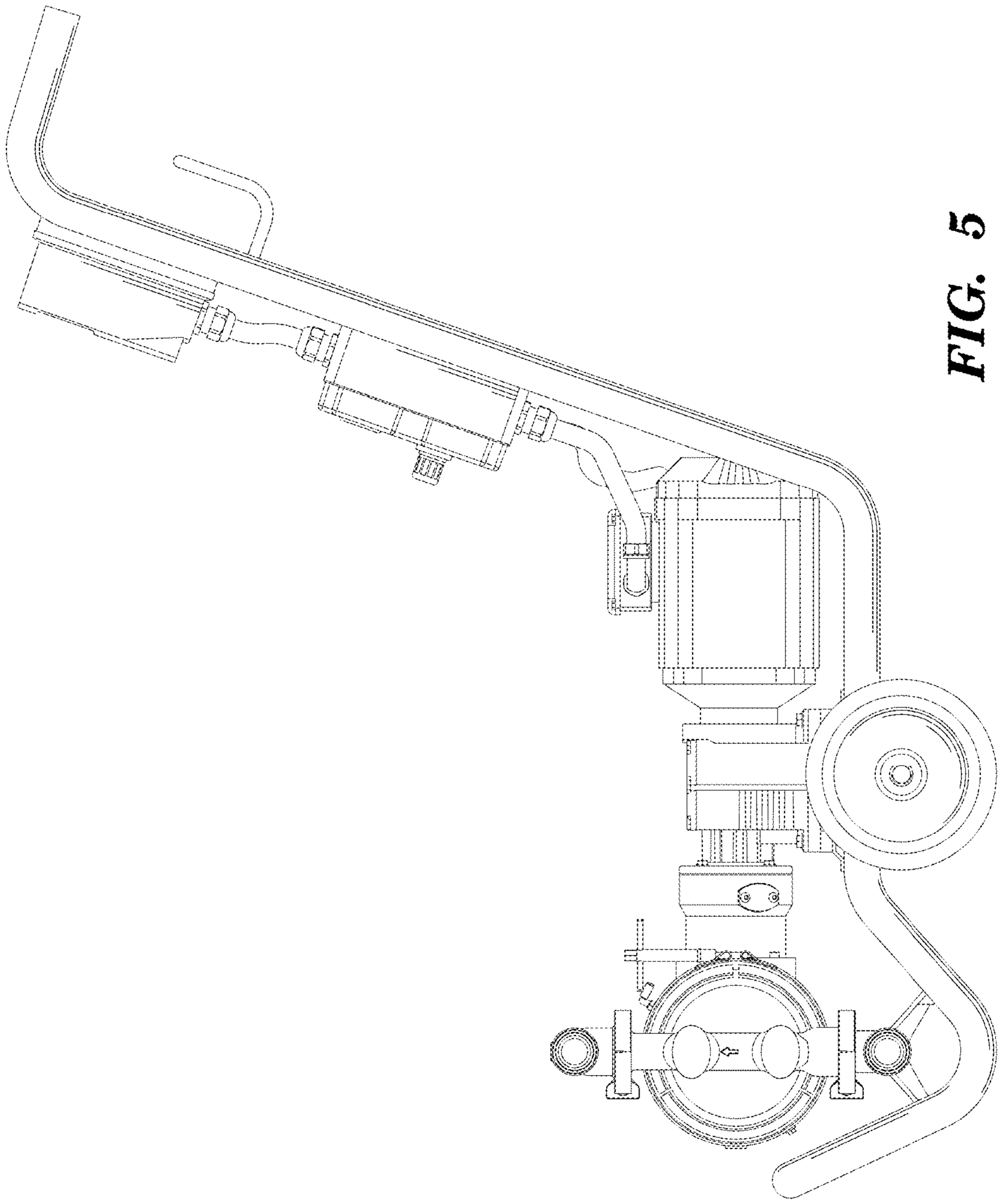

FIG. 5

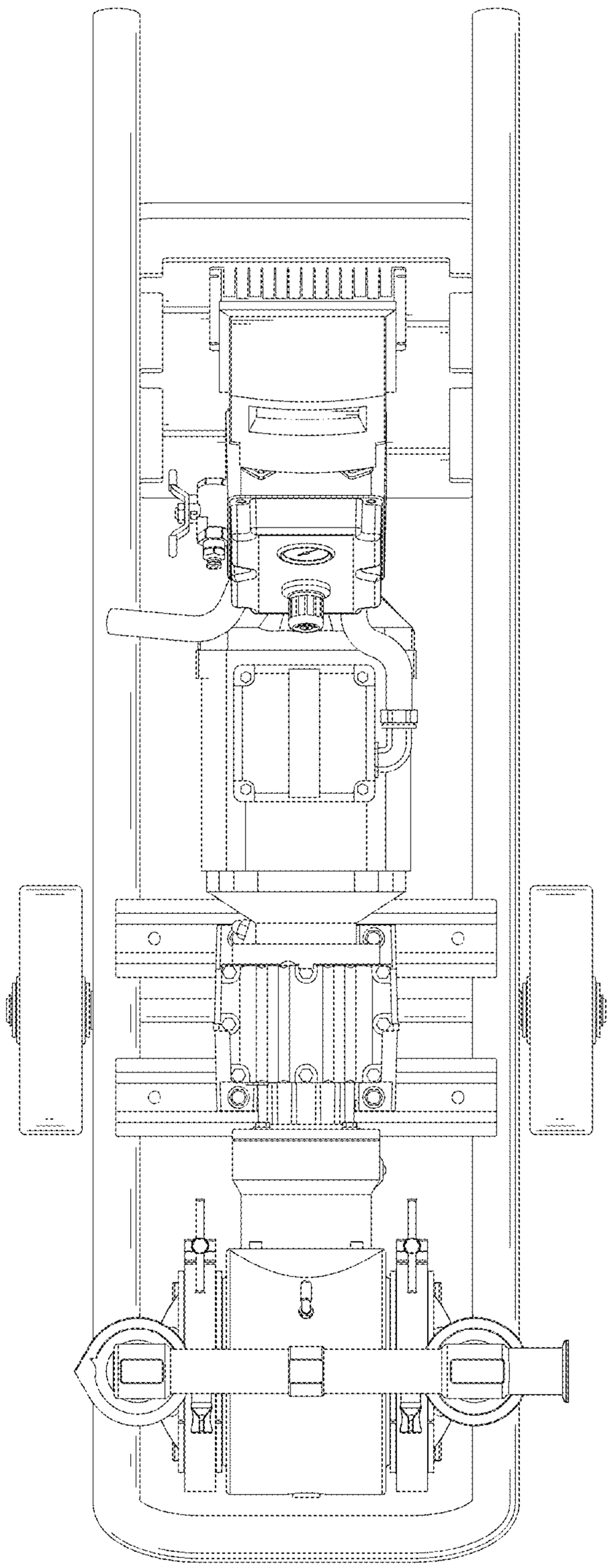

FIG. 6

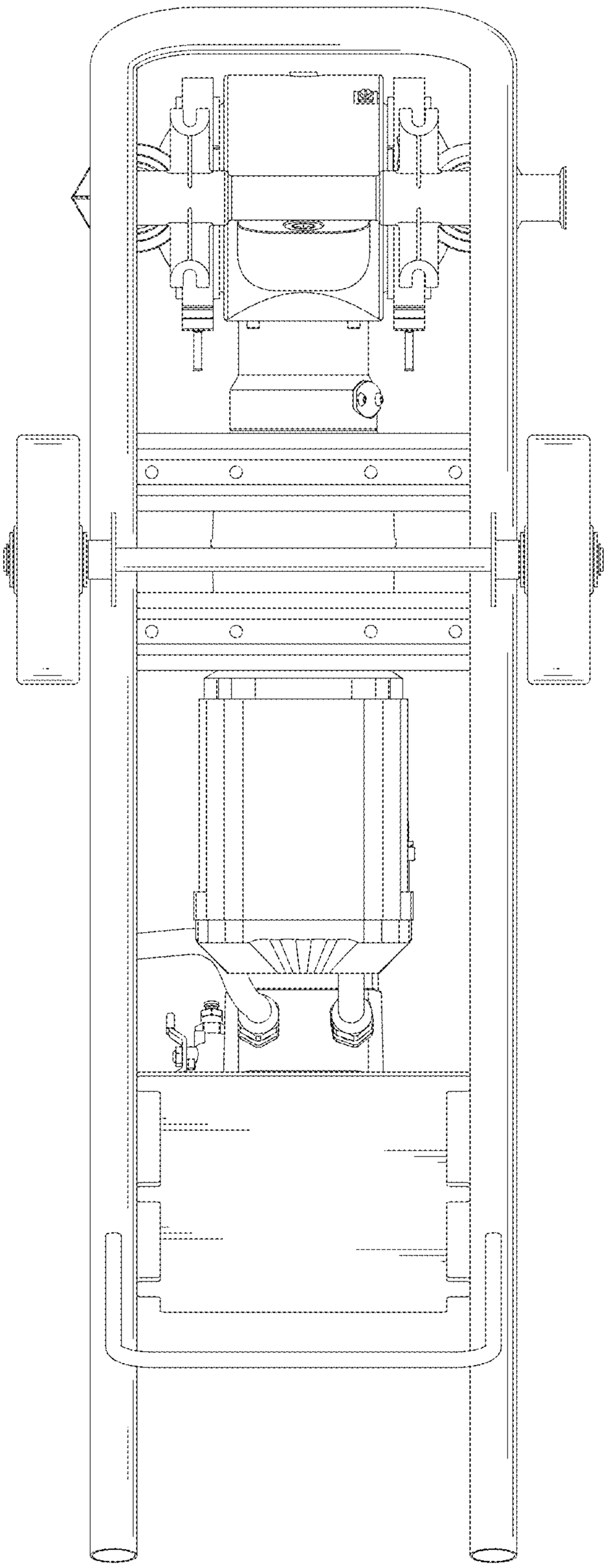

FIG. 7

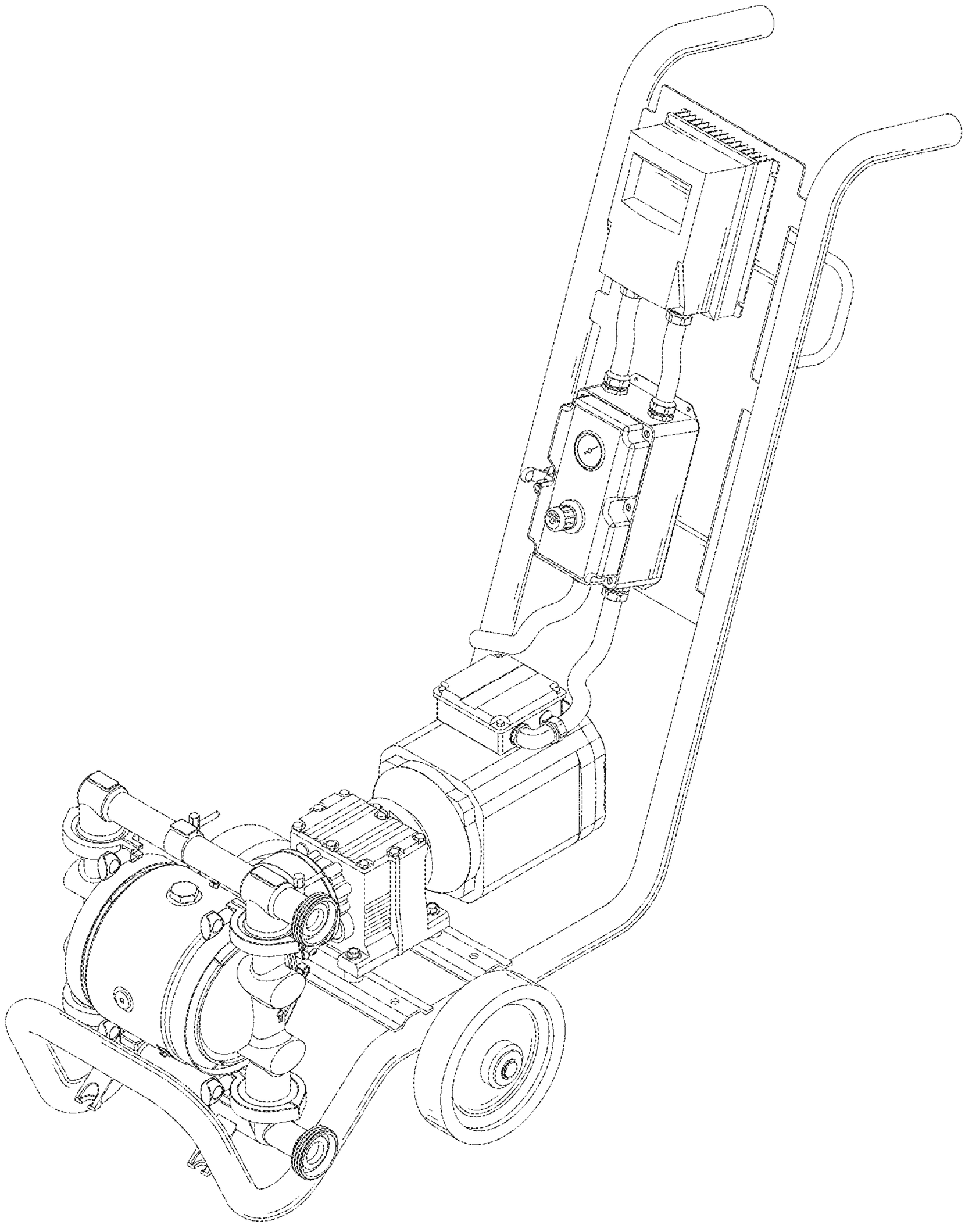

FIG. 8

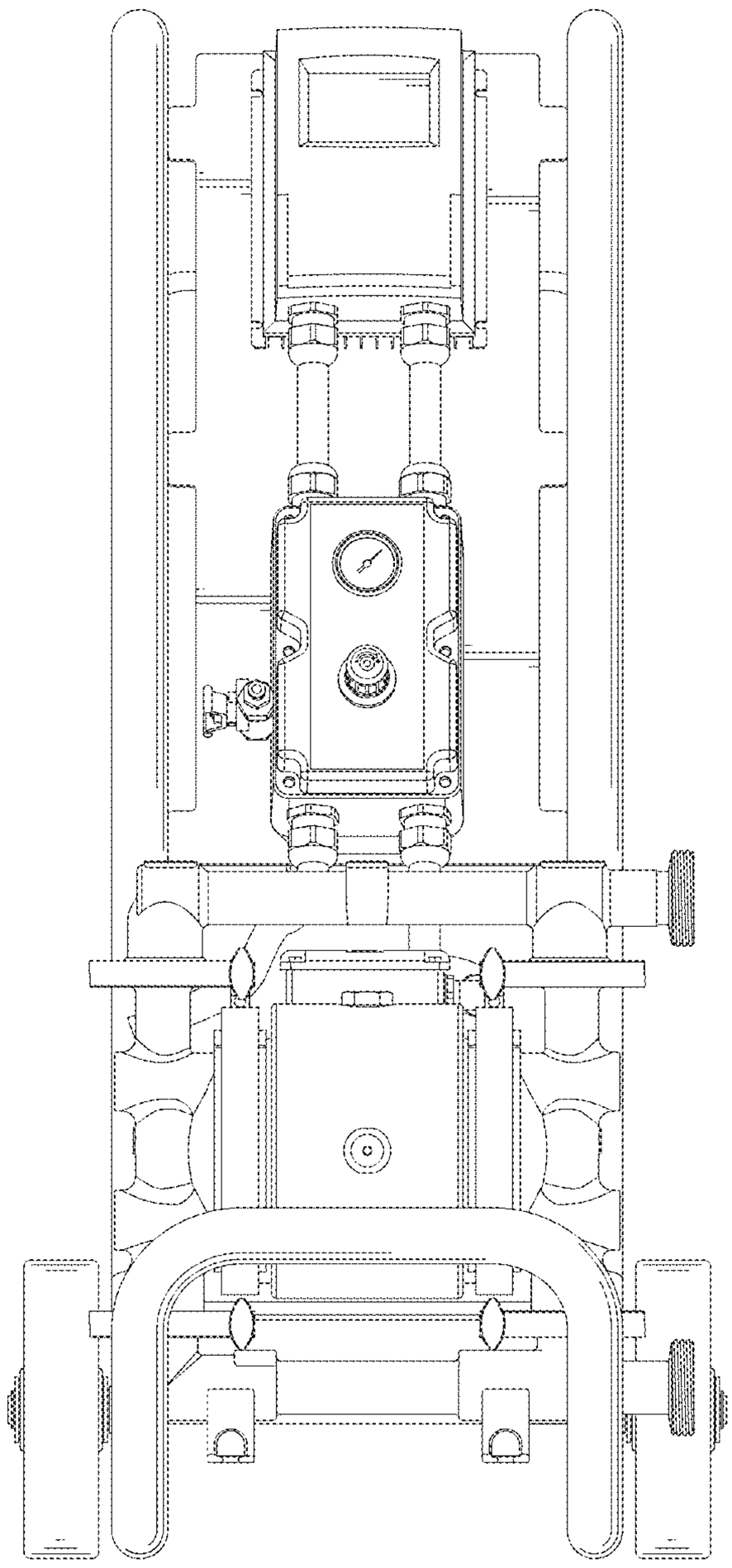

FIG. 9

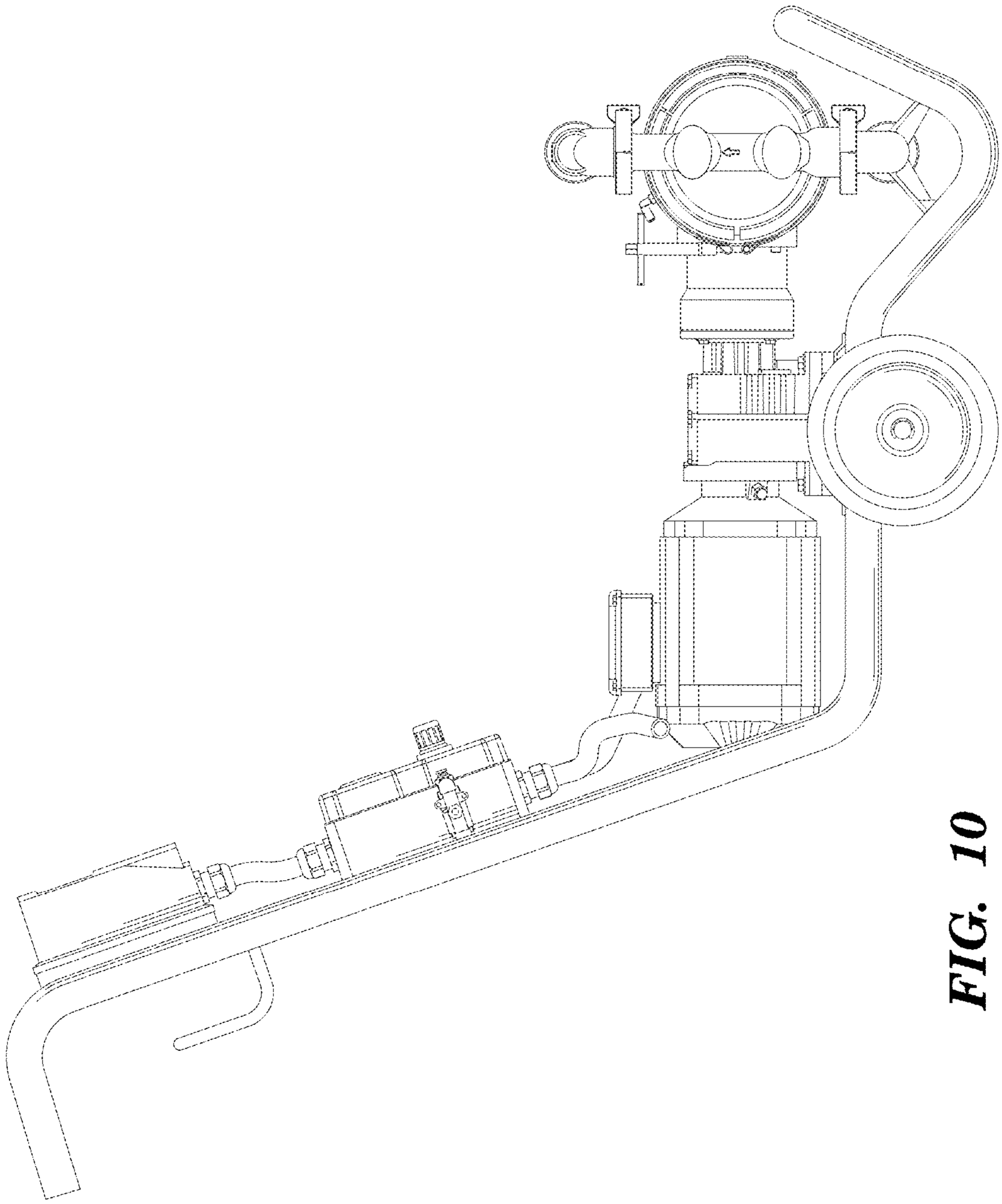

FIG. 10

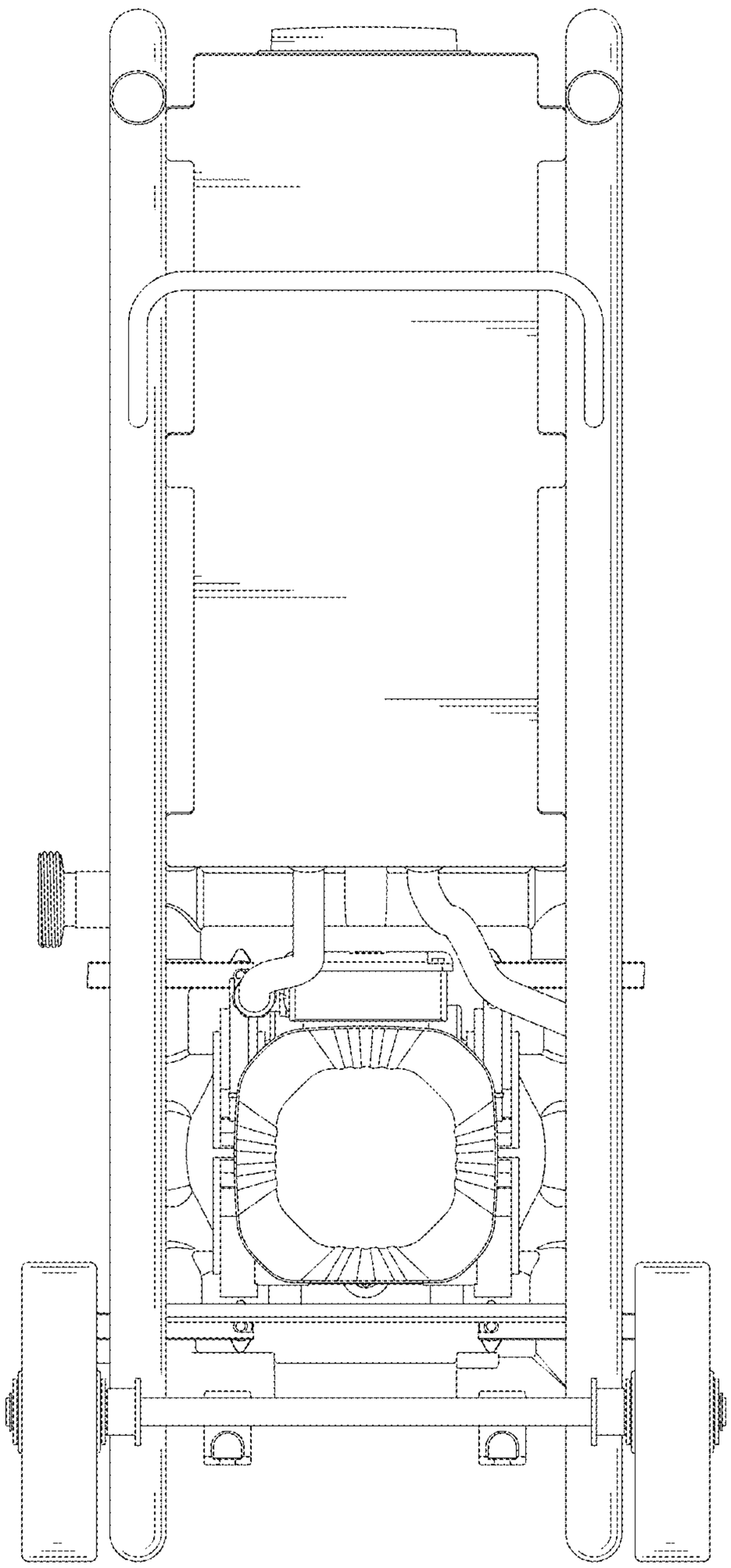

FIG. 11

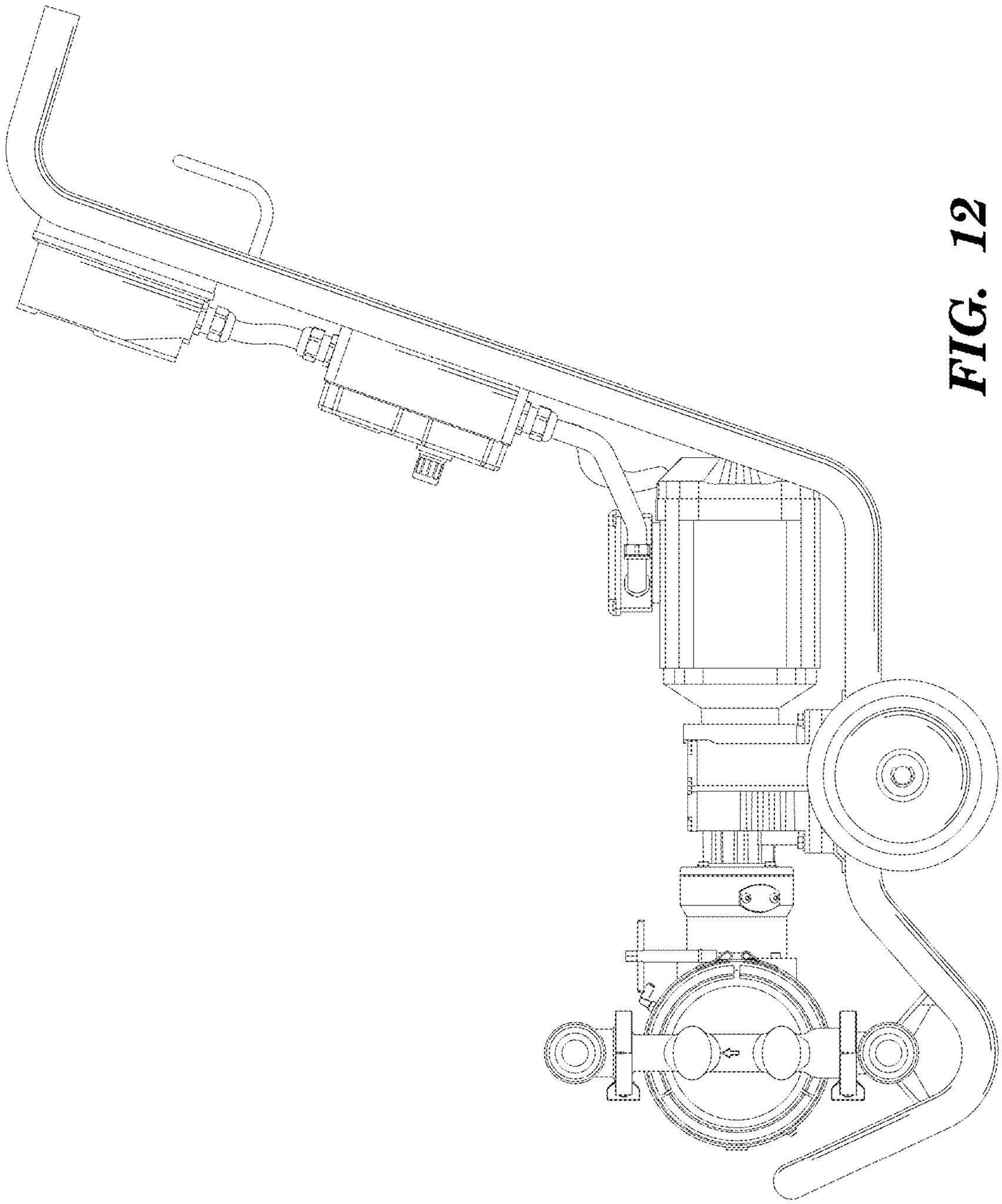

FIG. 12

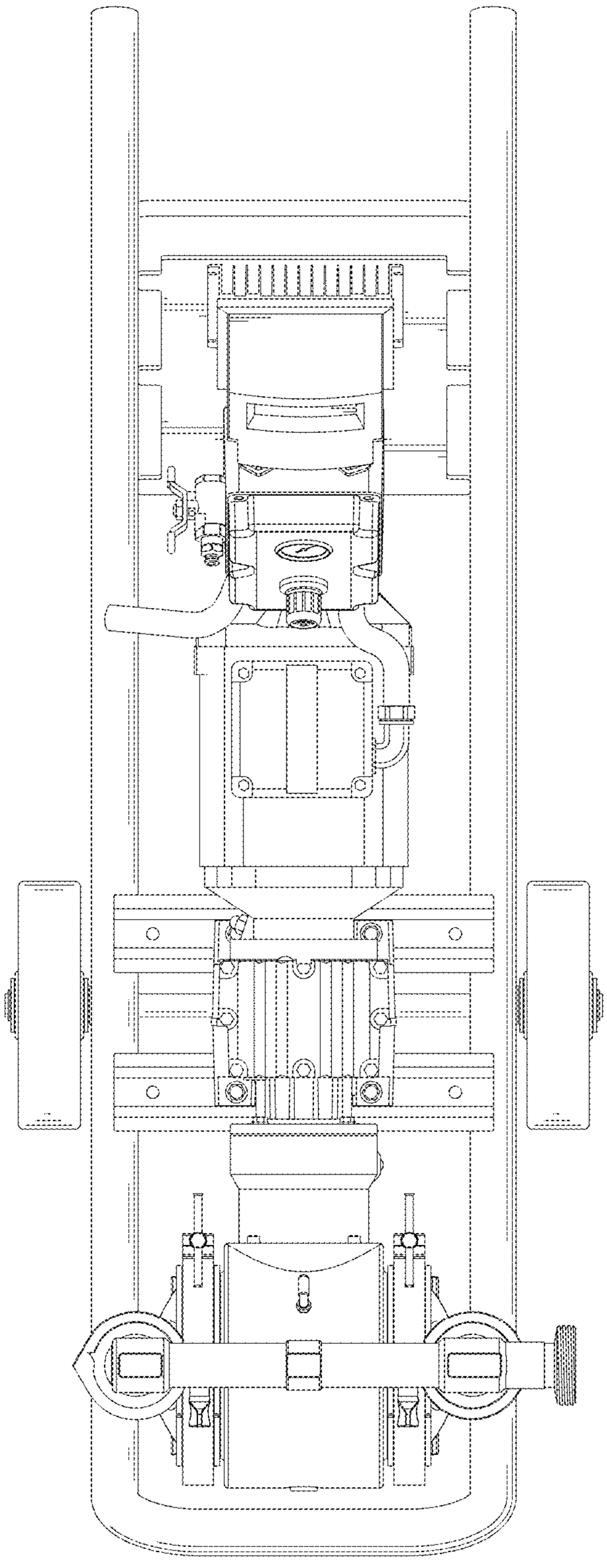

FIG. 13

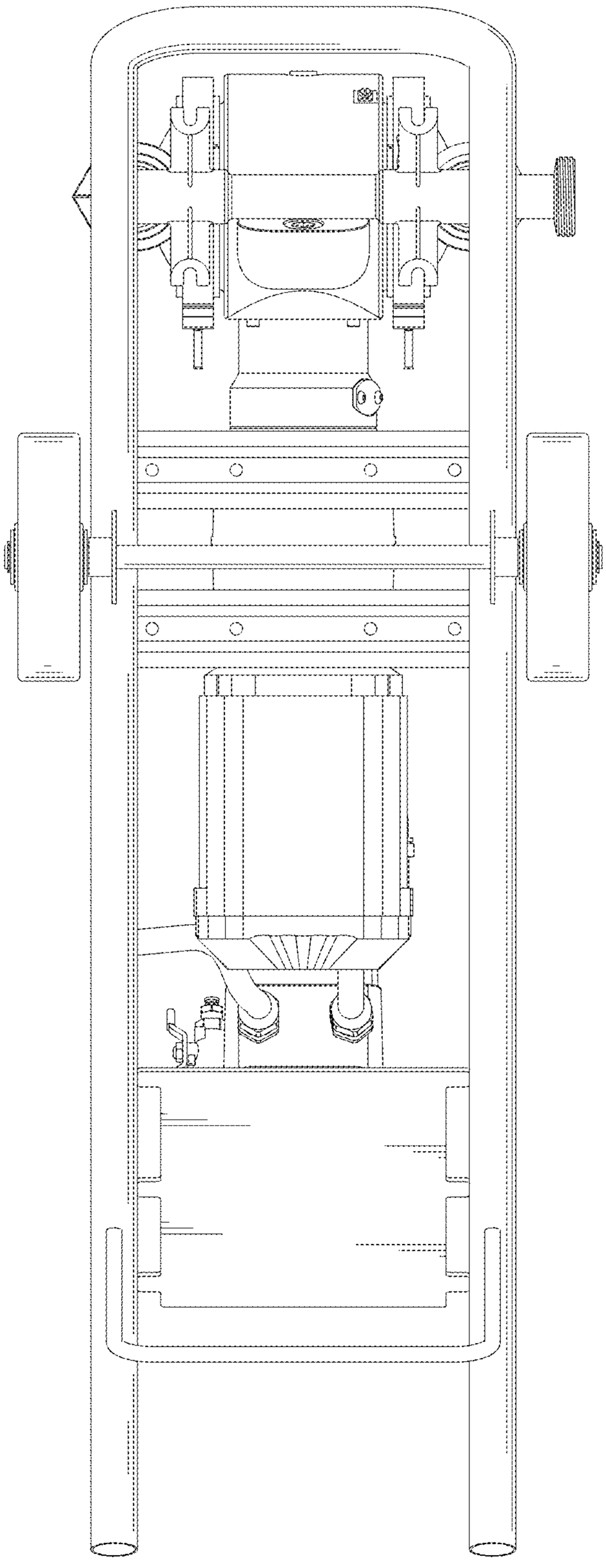

FIG. 14