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United States Design Patent

Tian

(10)

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(45)

Date of Patent:

** Dec. 24, 2024

(54) WAREHOUSE ROBOT

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(73) Assignee: HAI ROBOTICS CO., LTD.,
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(**) Term: 15 Years

(21) Appl. No.: 29/832,060

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(30) Foreign Application Priority Data

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(51) LOC (14) Cl. 15-99

(52) U.S. Cl.
USPC D15/199

(58) Field of Classification Search
USPC D15/122, 199; D34/18, 28, 34
(Continued)

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Primary Examiner — Patricia A Palasik

(74) Attorney, Agent, or Firm — LADAS & PARRY LLP

(57) CLAIM

The ornamental design for a warehouse robot as shown and described.

DESCRIPTION

FIG. 1 is a front view of a warehouse robot;

FIG. 2 is a rear view thereof;

FIG. 3 is a left view thereof;

FIG. 4 is a right view thereof;

FIG. 5 is a top view thereof;

FIG. 6 is a bottom view thereof;

FIG. 7 is a first perspective view thereof;

FIG. 8 is a second perspective view thereof;

FIG. 9 is a third perspective view thereof;

FIGS. 10 is a detail view of portion 10 on FIG. 1;

FIG. 11 is a detail view of portion 11 on FIG. 1;

FIG. 12 is a detail view of portion 12 on FIG. 1;

FIG. 13 is a detail view of portion 13 on FIG. 1;

FIG. 14 is a detail view of portion 14 on FIG. 2;

FIG. 15 is a detail view of portion 15 on FIG. 2;

FIG. 16 is a detail view of portion 16 on FIG. 2;

FIG. 17 is a detail view of portion 17 on FIG. 2;

FIG. 18 is a detail view of portion 18 on FIG. 3;

FIG. 19 is a detail view of portion 19 on FIG. 3;

FIG. 20 is a detail view of portion 20 on FIG. 3;

FIG. 21 is a detail view of portion 21 on FIG. 4;

FIG. 22 is a detail view of portion 22 on FIG. 4;

FIG. 23 is a detail view of portion 23 on FIG. 4;

FIG. 24 is a detail view of portion 24 on FIG. 5;

FIG. 25 is a detail view of portion 25 on FIG. 7;

FIG. 26 is a detail view of portion 26 on FIG. 7;

FIG. 27 is a detail view of portion 27 on FIG. 8;

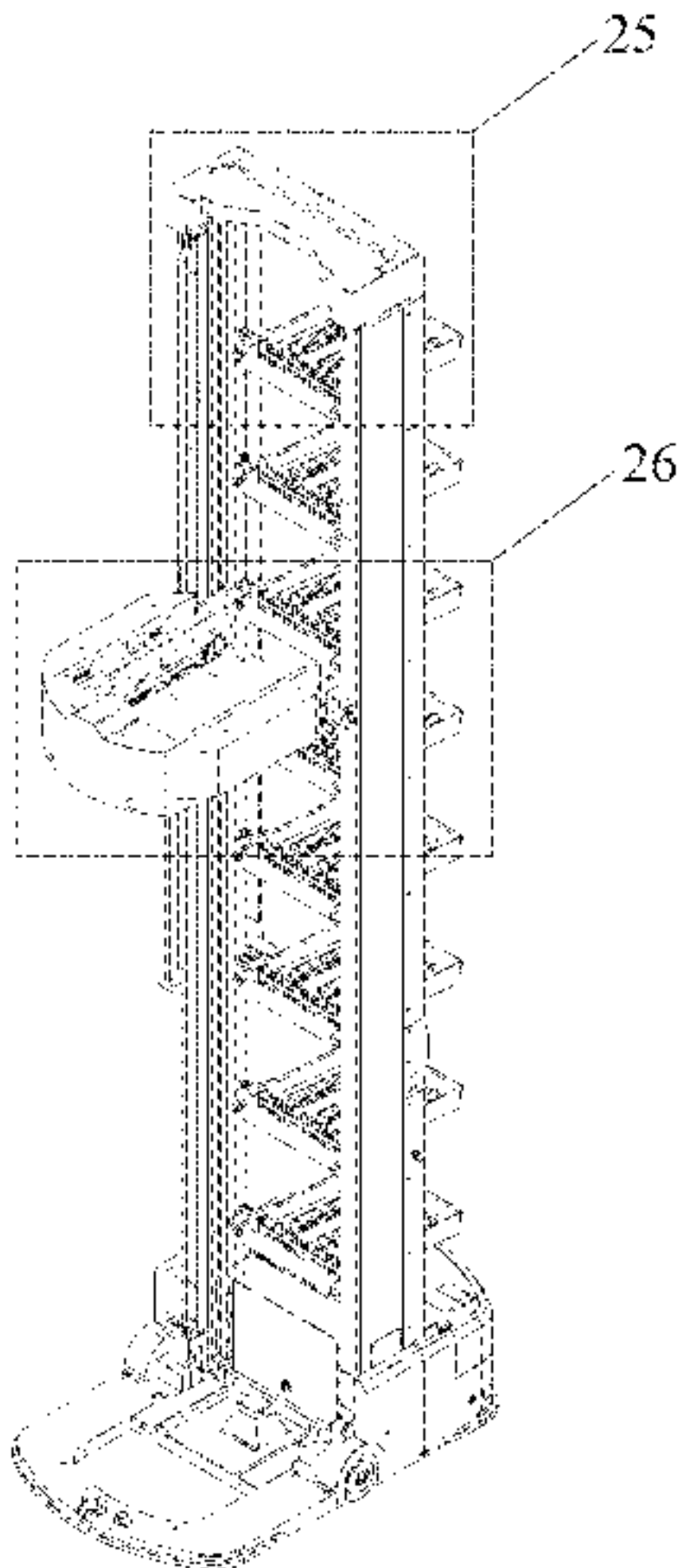
FIG. 28 is a detail view of portion 28 on FIG. 8;

FIG. 29 is a detail view of portion 29 on FIG. 9; and,

FIG. 30 is a detail view of portion 30 on FIG. 9.

The evenly spaced broken lines shown in the drawings depict portions of the warehouse robot that form no part of the claimed design. The Dash-dot broken lines that encircle portions of FIGS. 1-5 and 7-9 and that border the FIGS.

(Continued)



10-30 detail views indicate outer limits of enlarged areas of the figures and form no part of the claimed design.

1 Claim, 30 Drawing Sheets

(58) Field of Classification Search

CPC ... B25J 5/007; B65G 1/00; B65G 1/10; B65G 1/0435; B65G 1/1373; B65G 61/00; B66F 9/063; G06Q 10/08; Y10S 901/01
See application file for complete search history.

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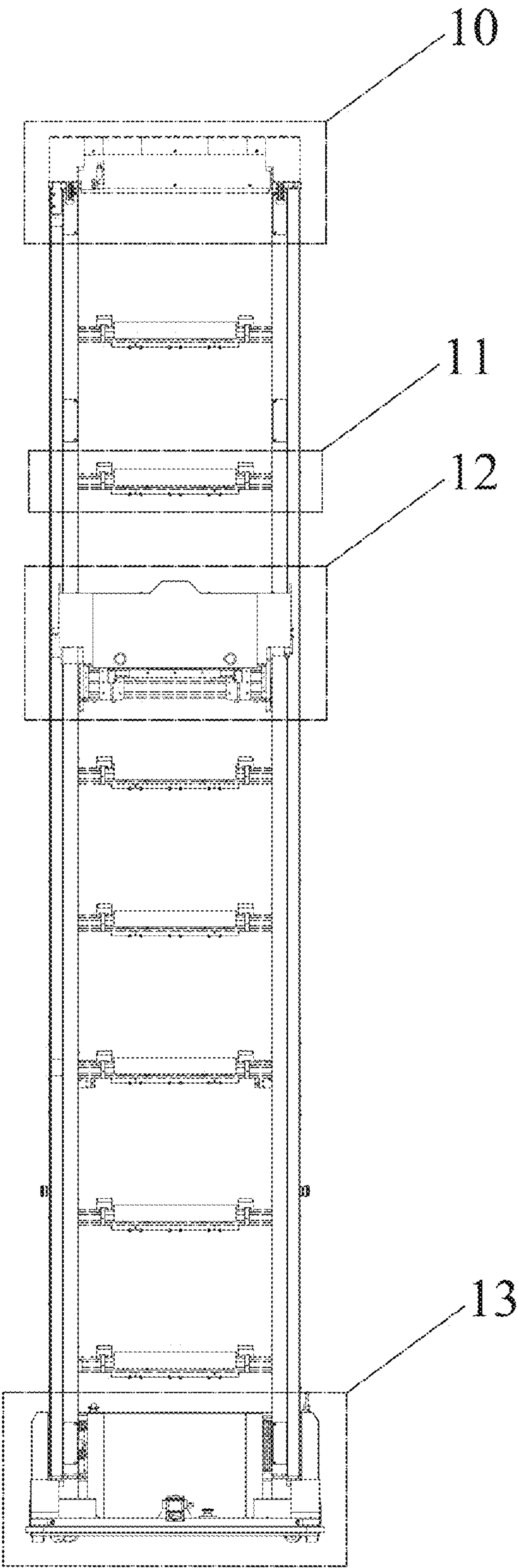


FIG. 1

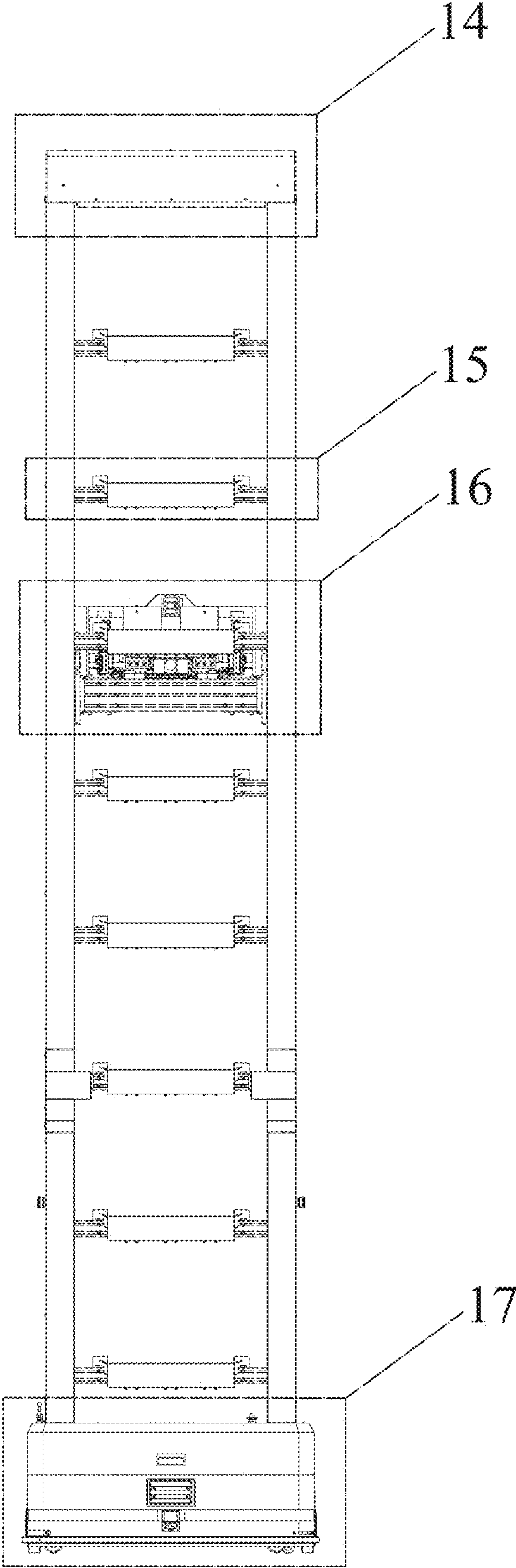


FIG. 2

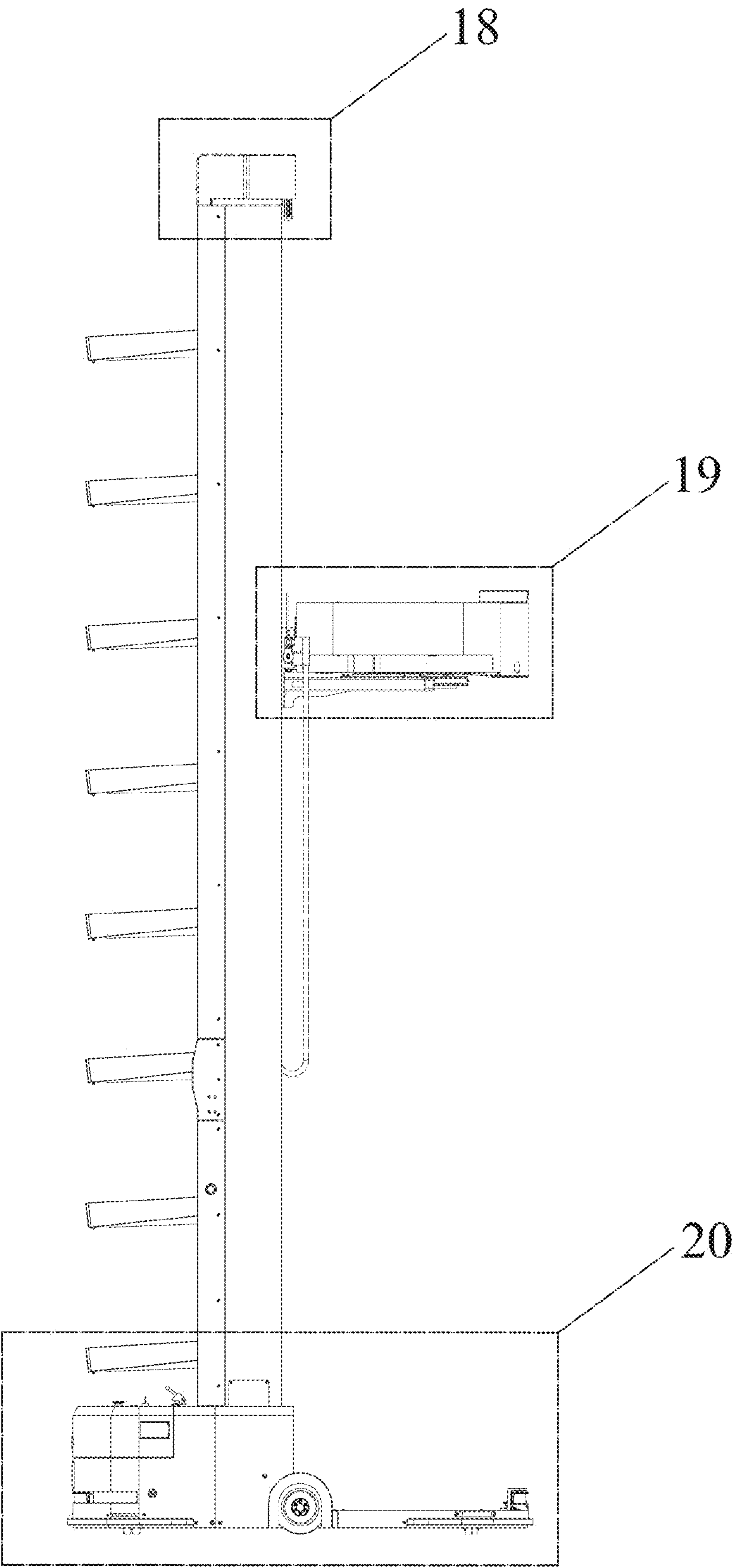


FIG. 3

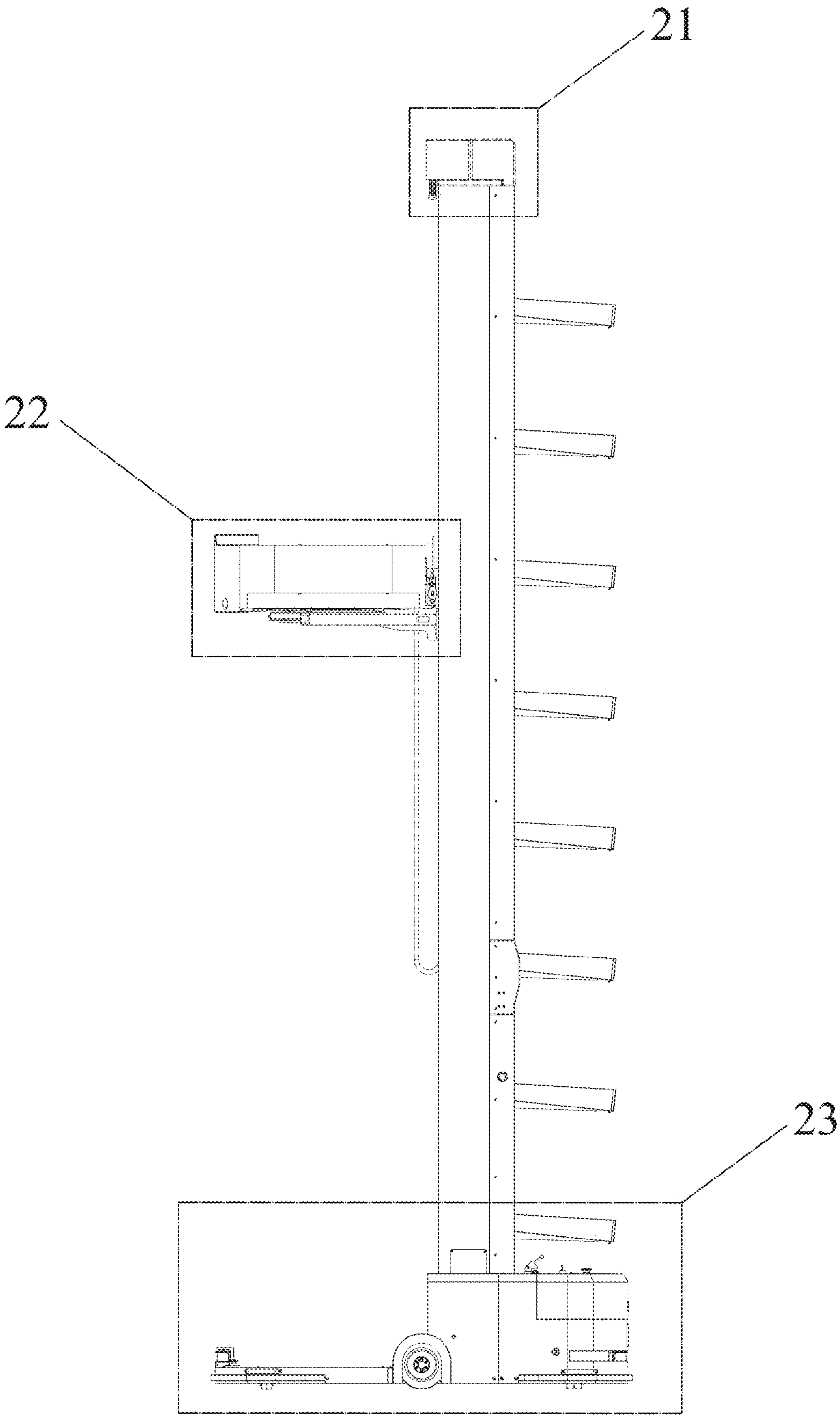


FIG.4

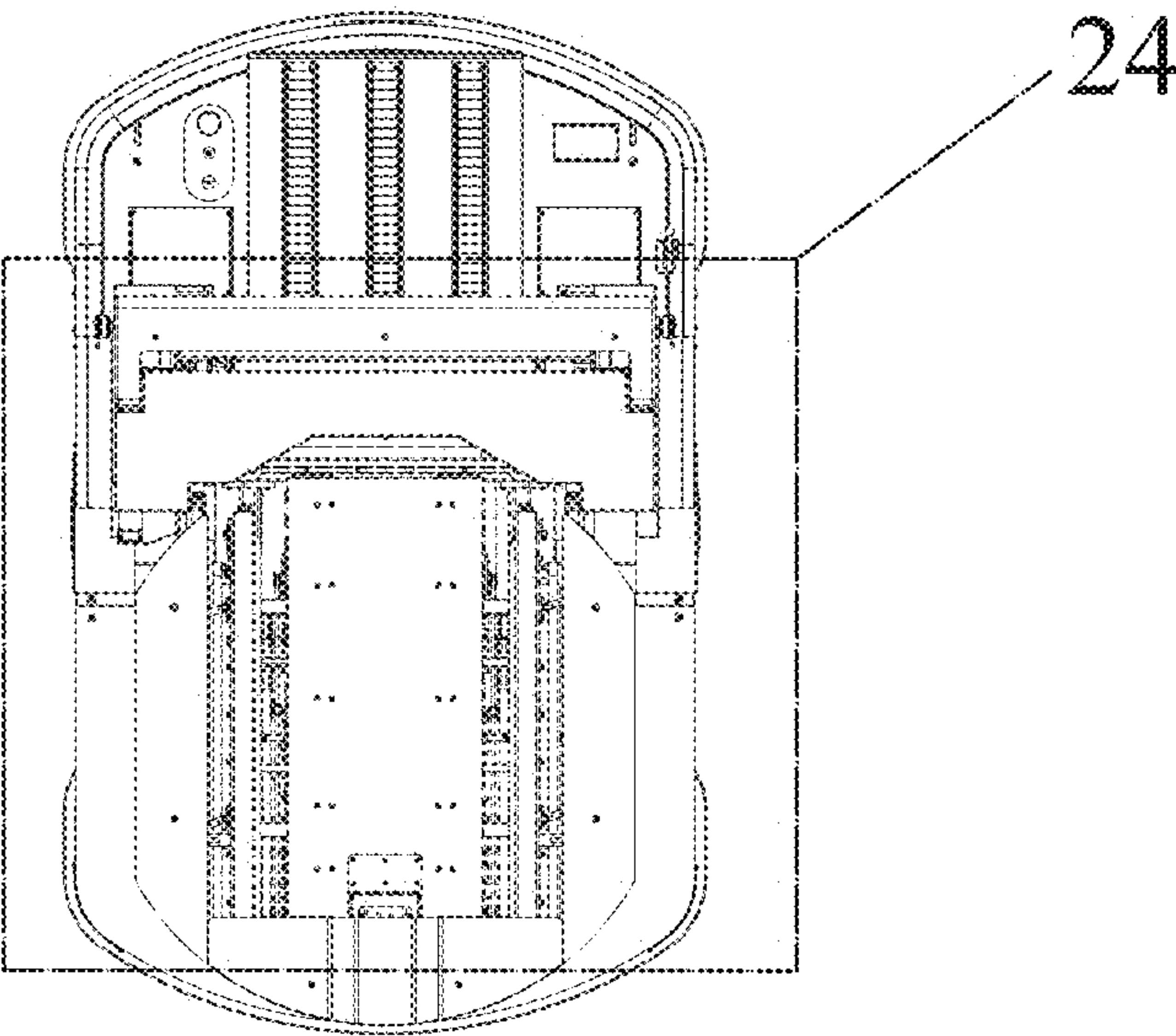


FIG.5

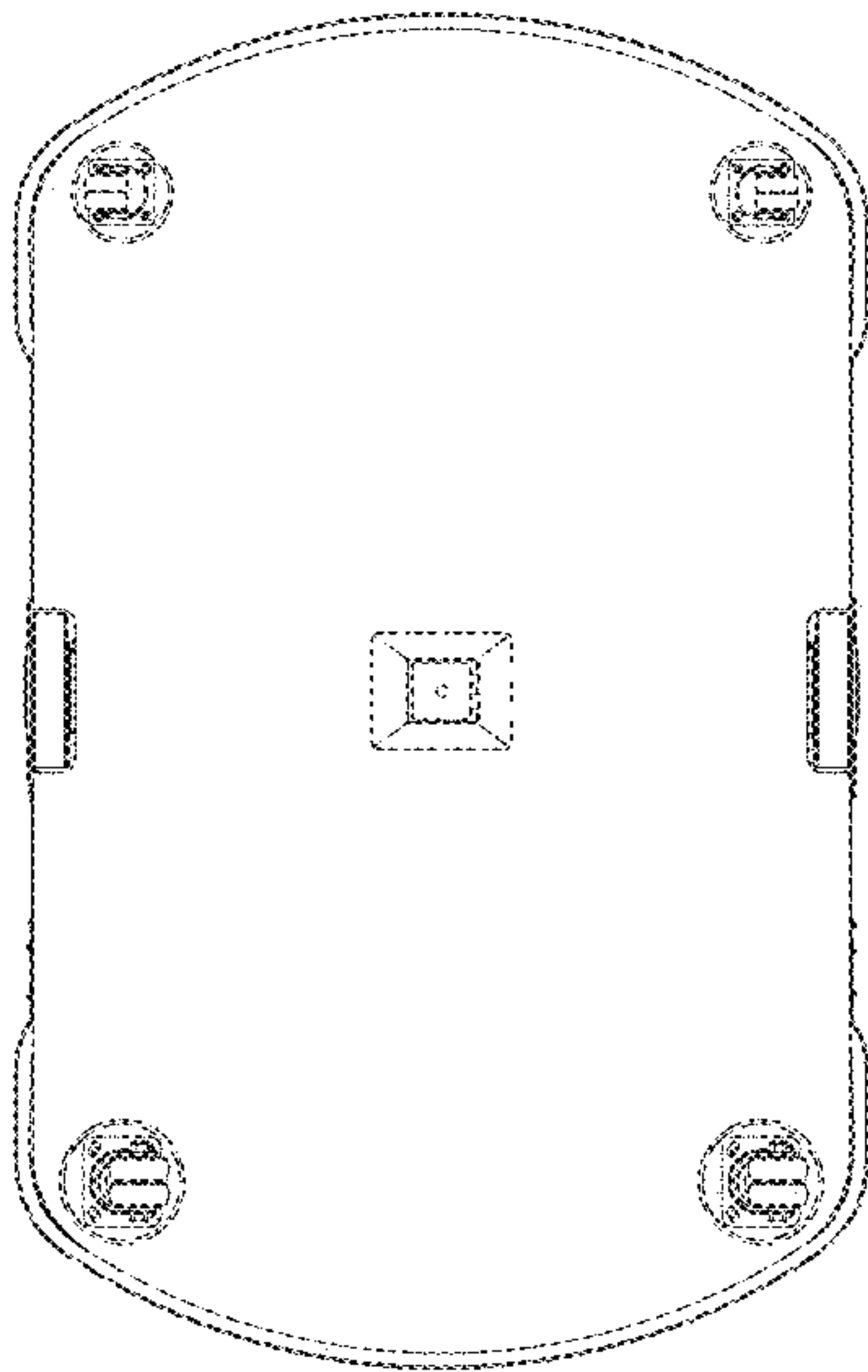


FIG.6

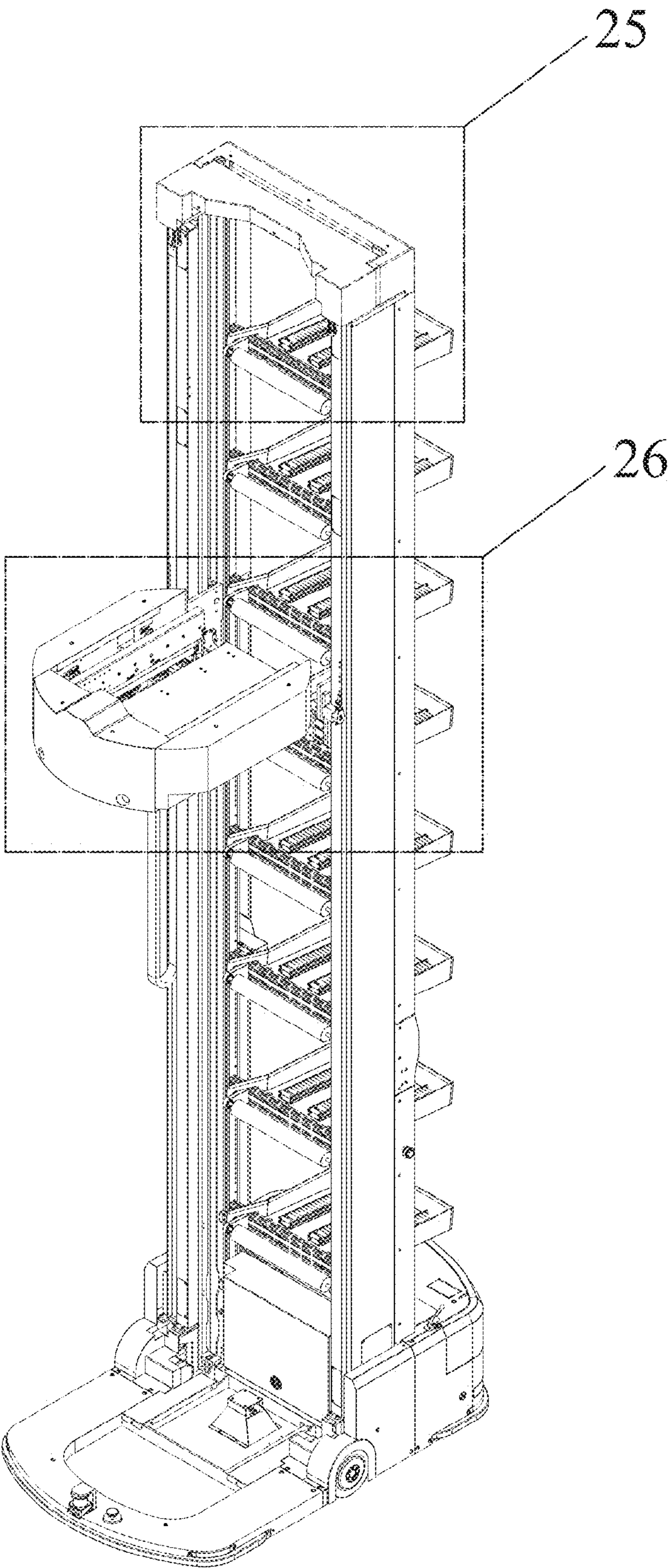


FIG.7

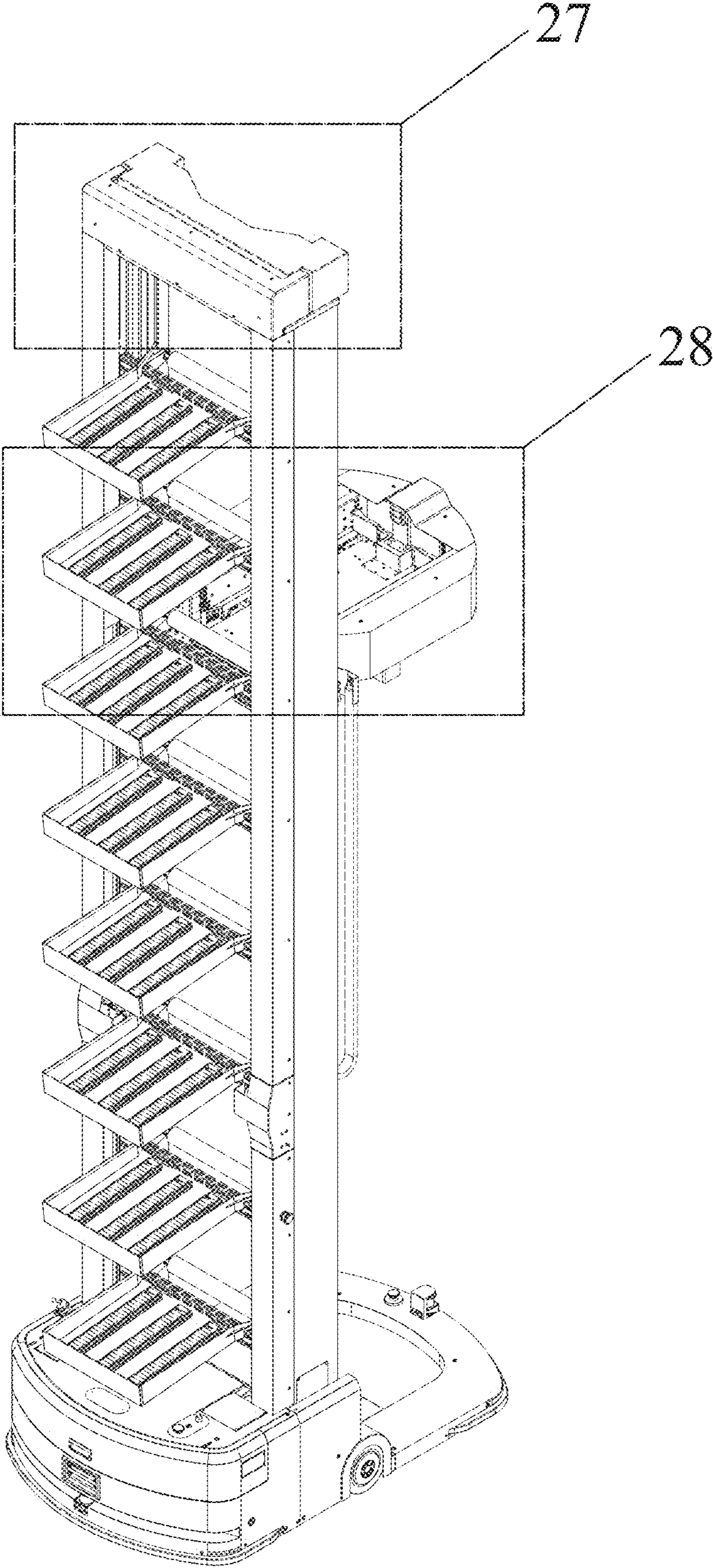


FIG.8

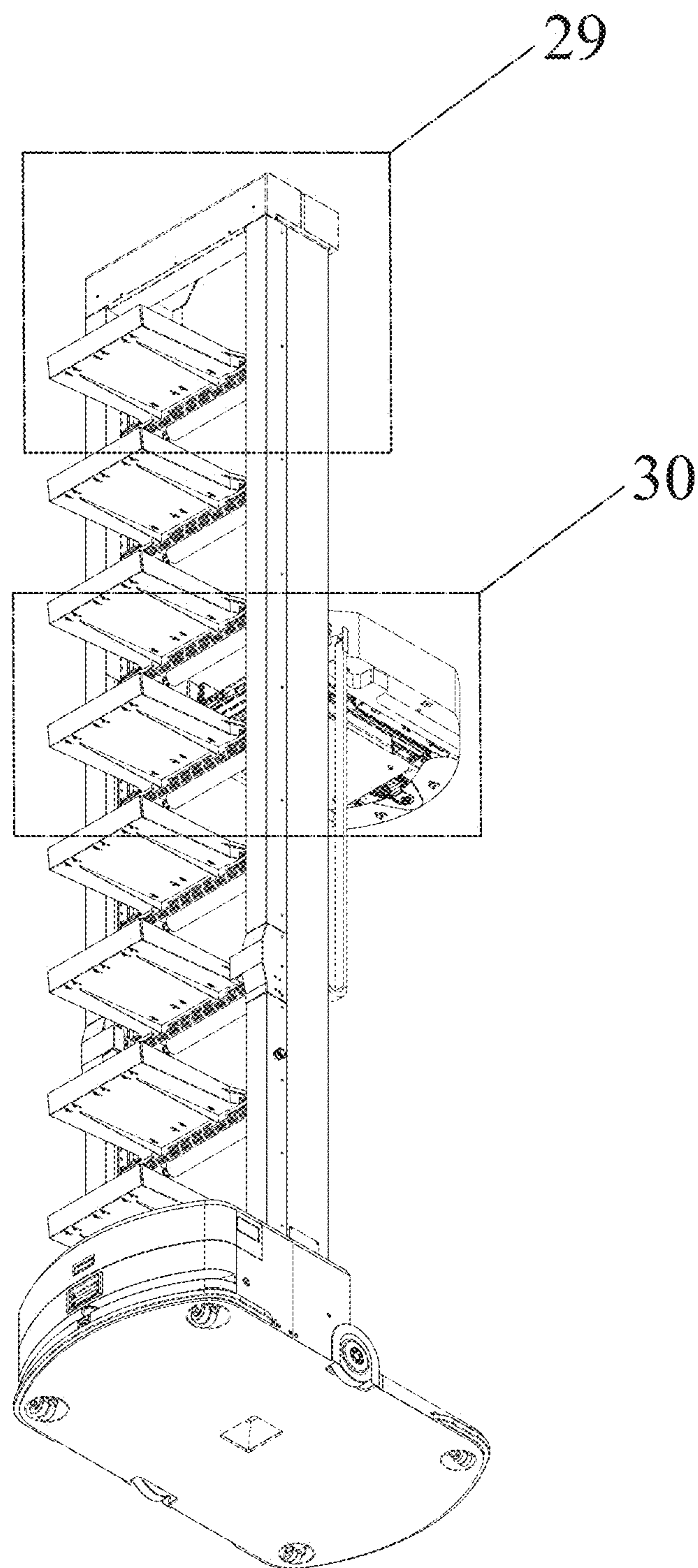


FIG.9

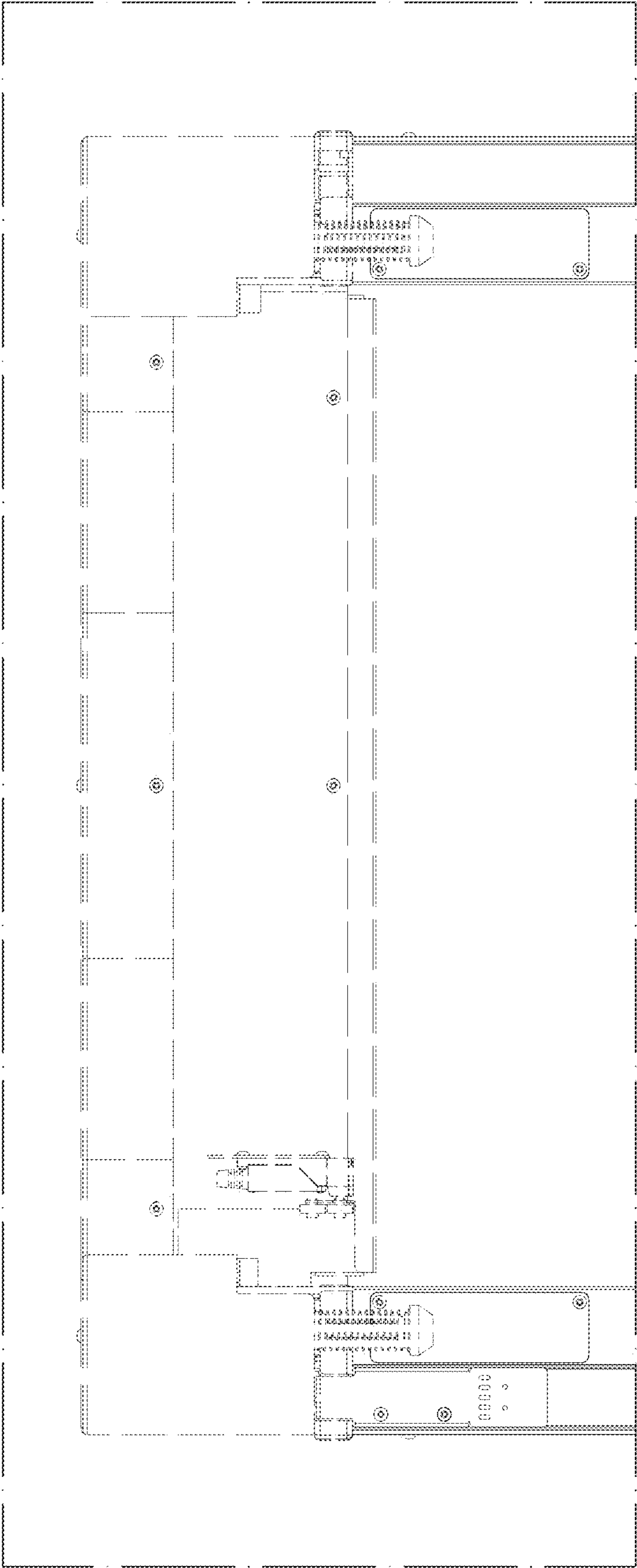


FIG. 10

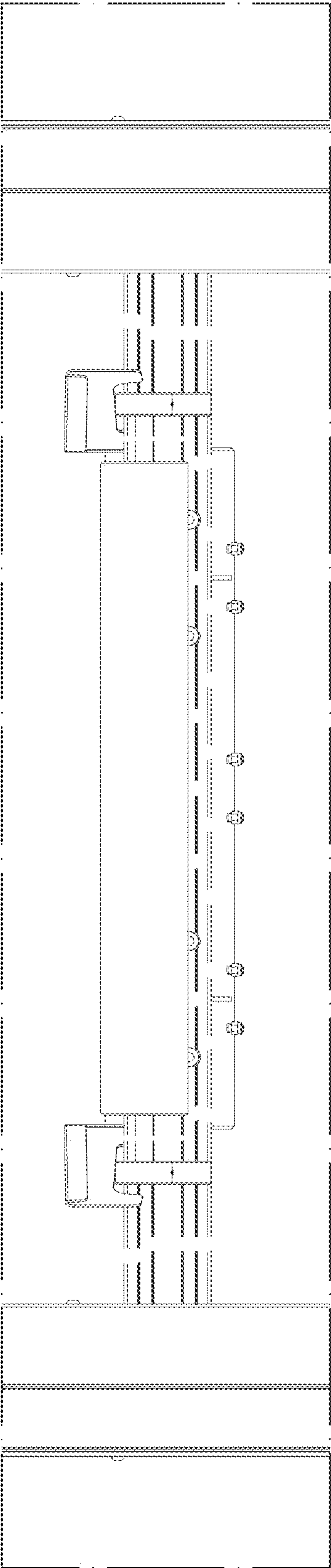


FIG. 11

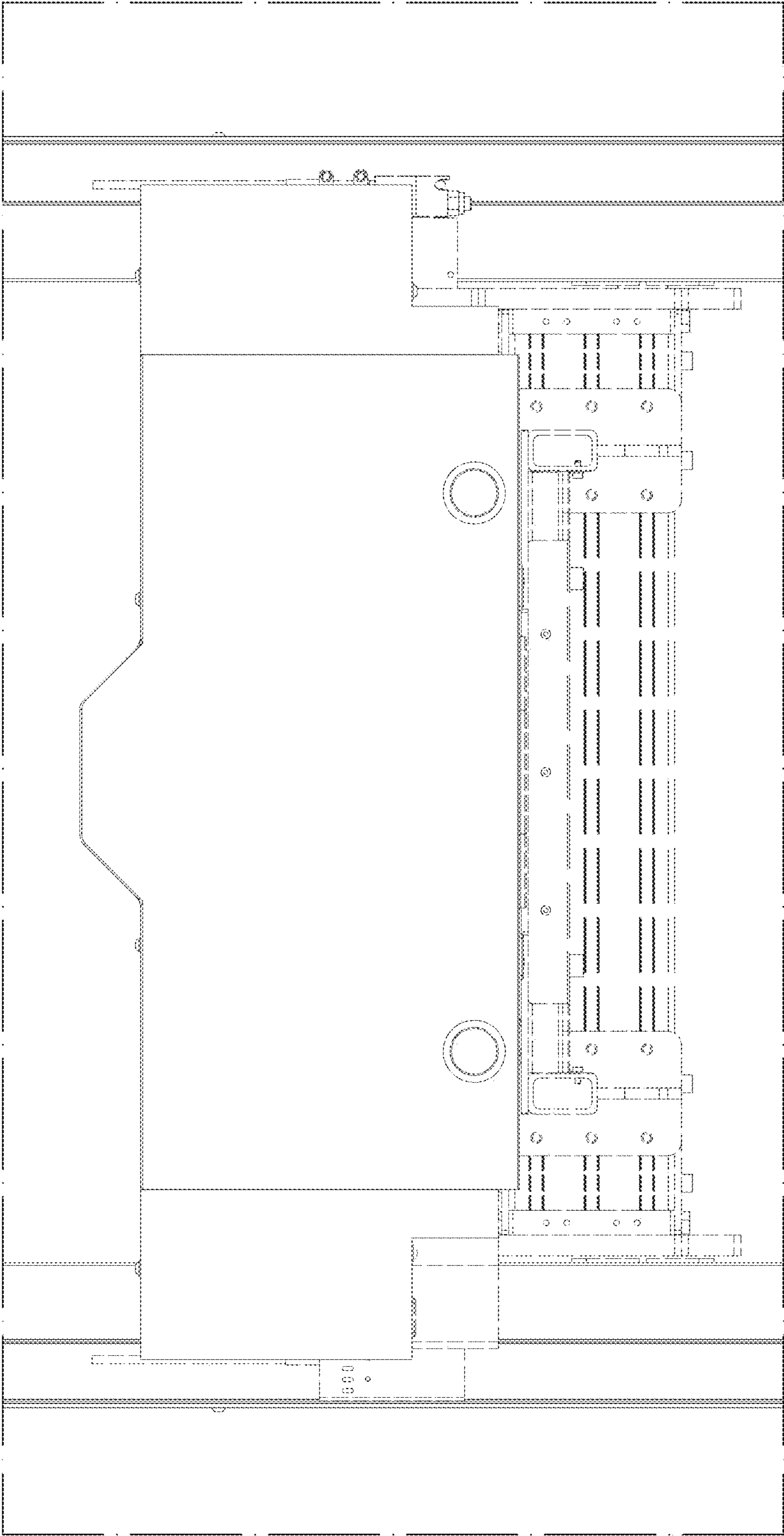


FIG. 12

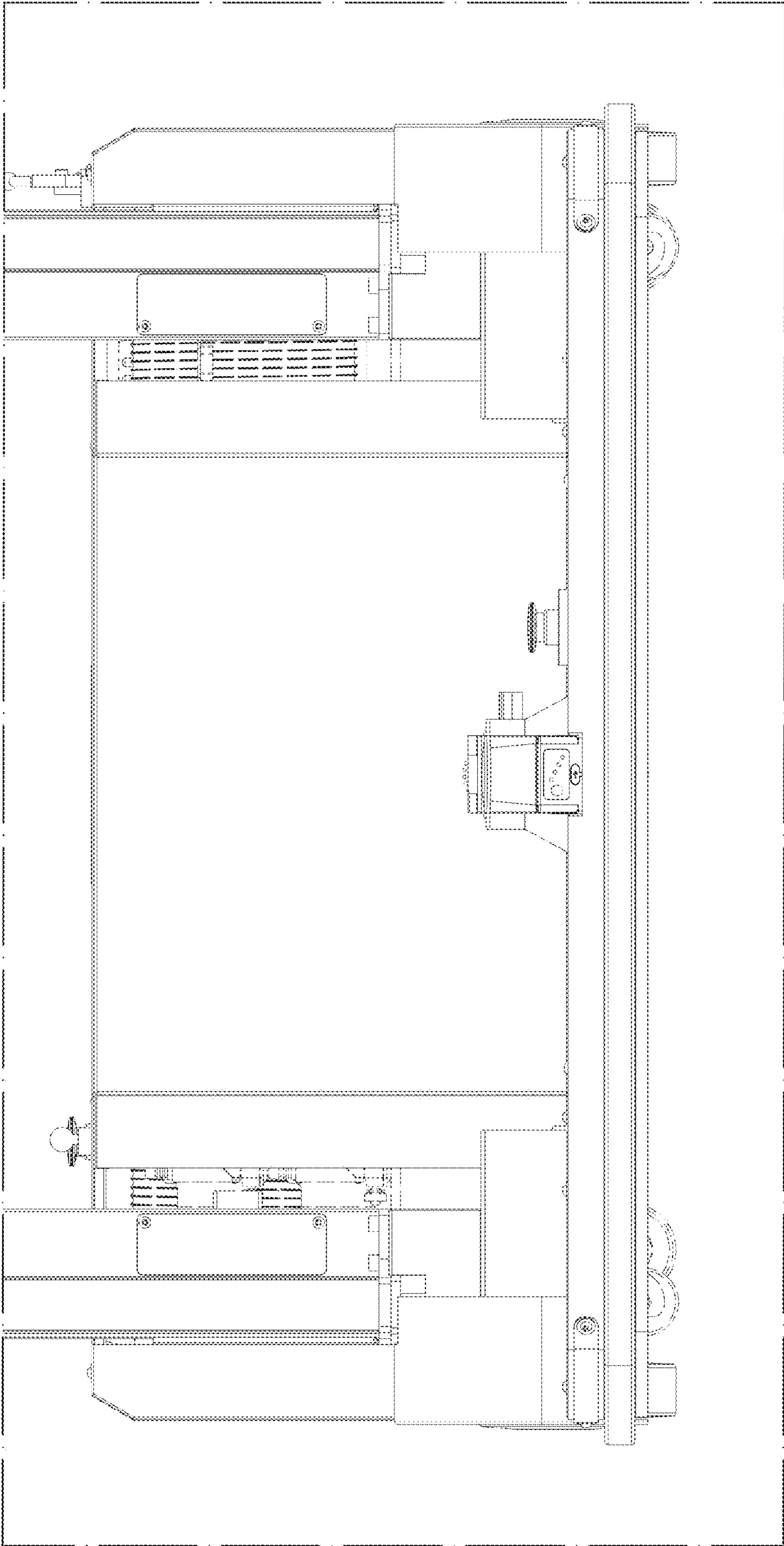


FIG. 13

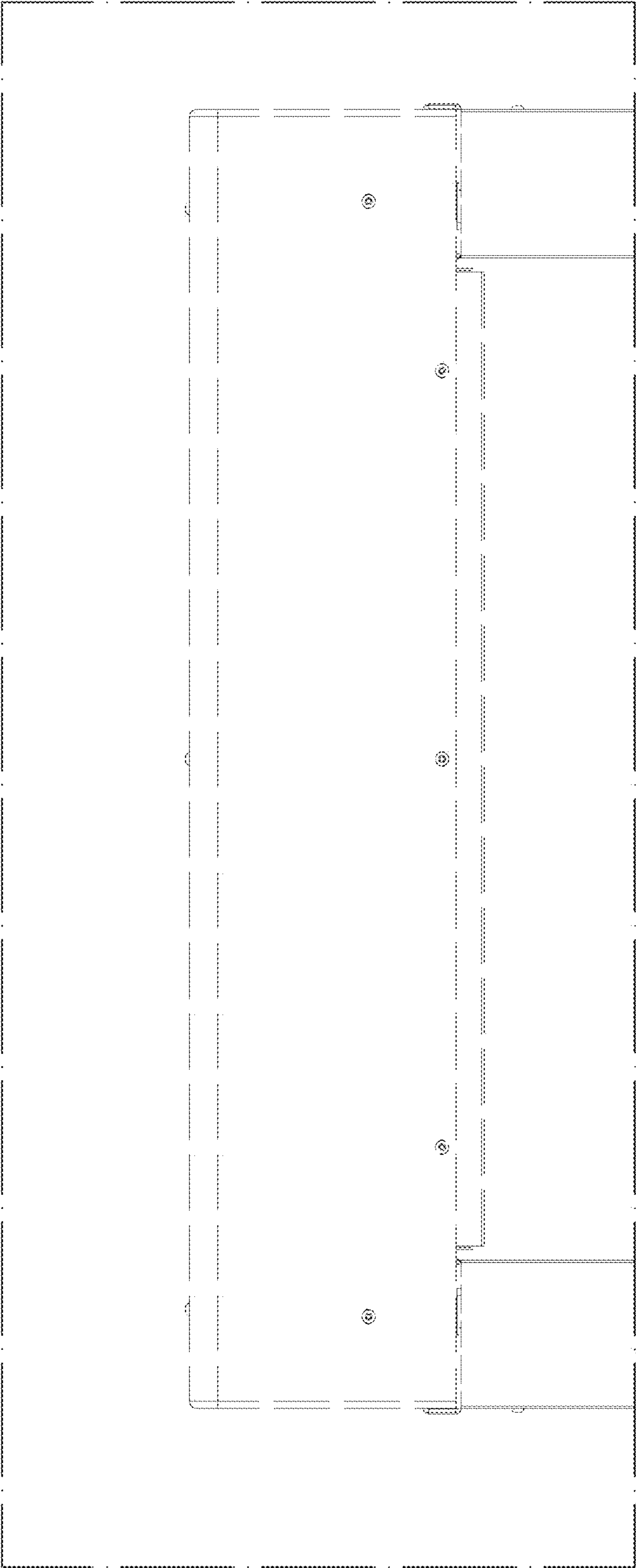


FIG. 14

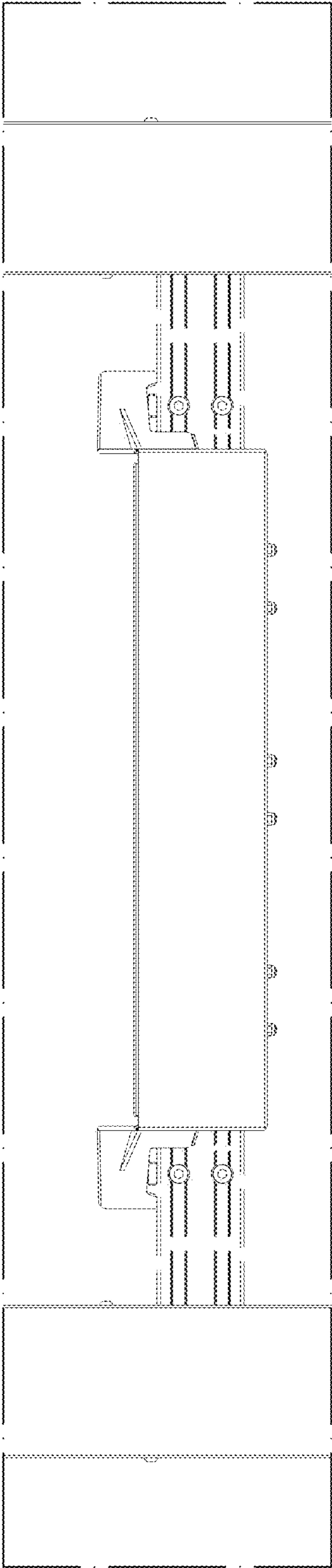


FIG. 15

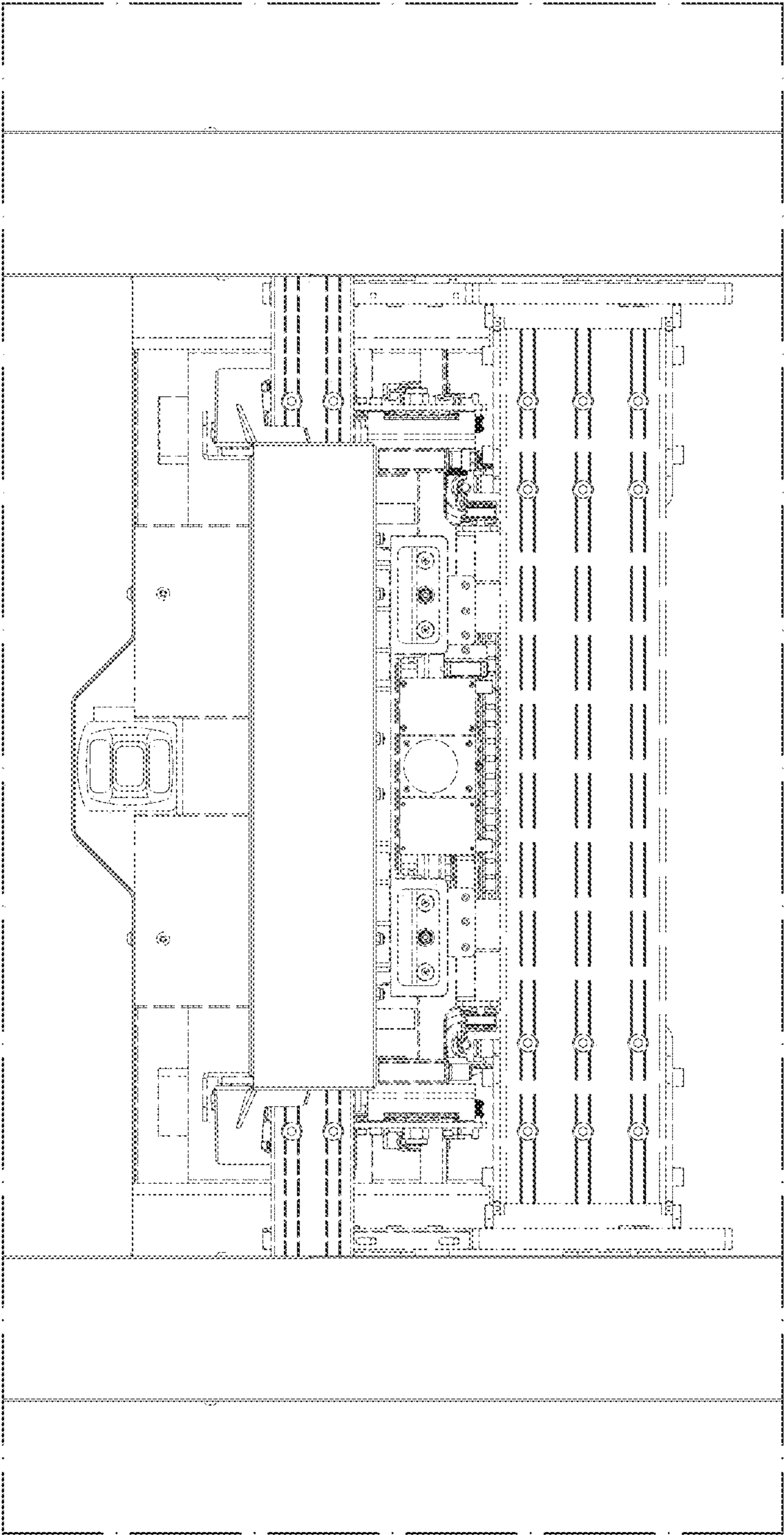


FIG. 16

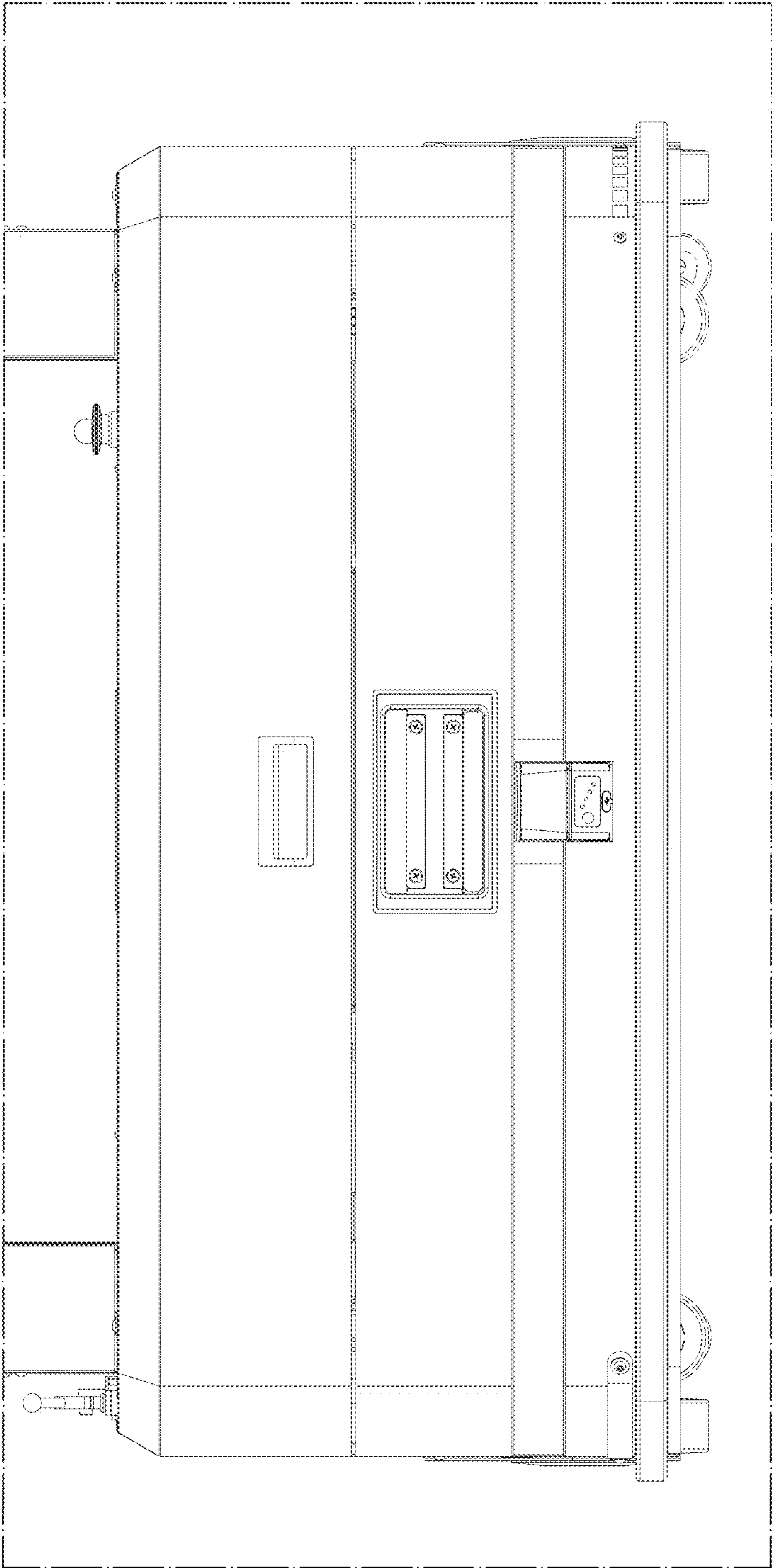


FIG. 17

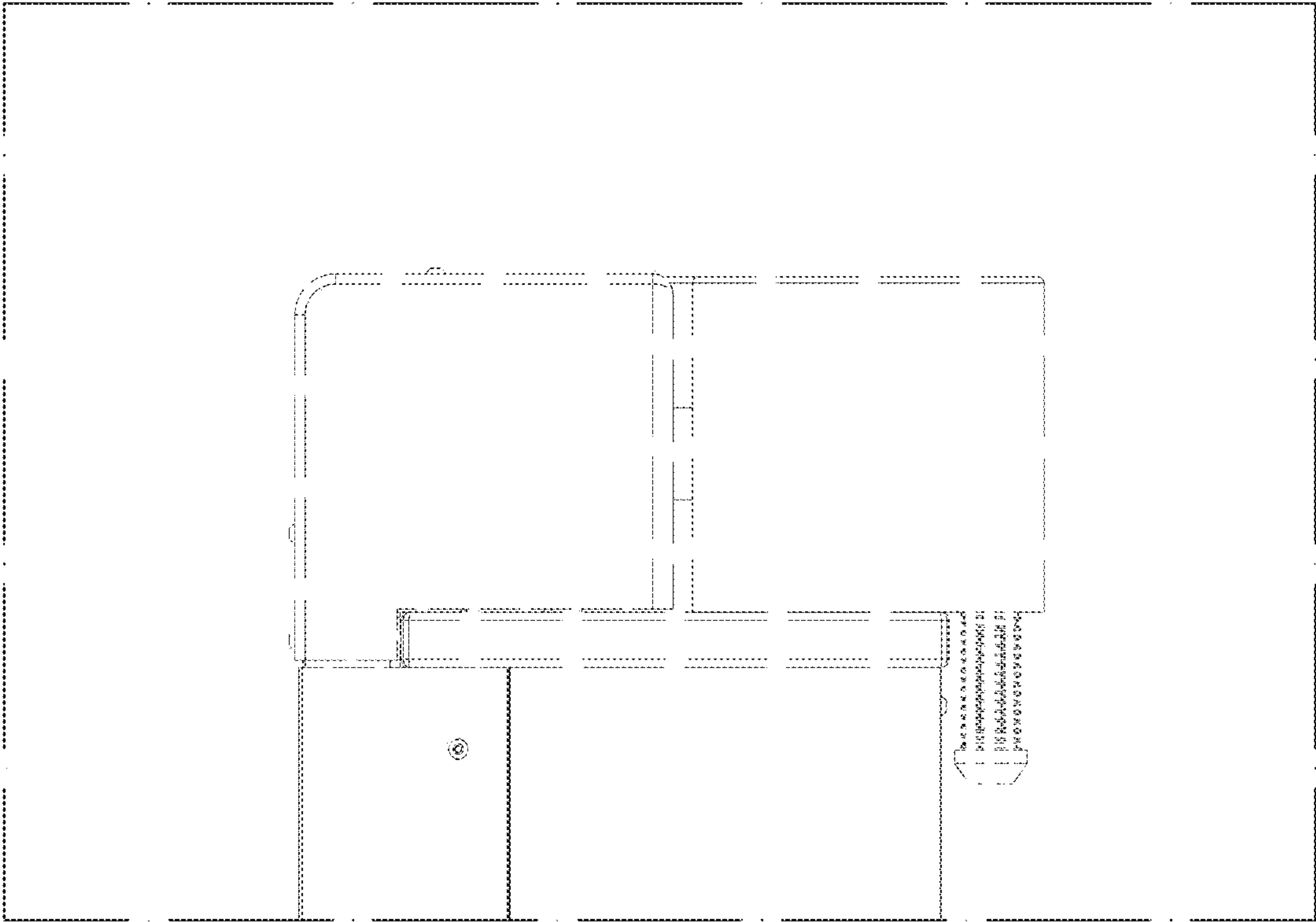


FIG. 18

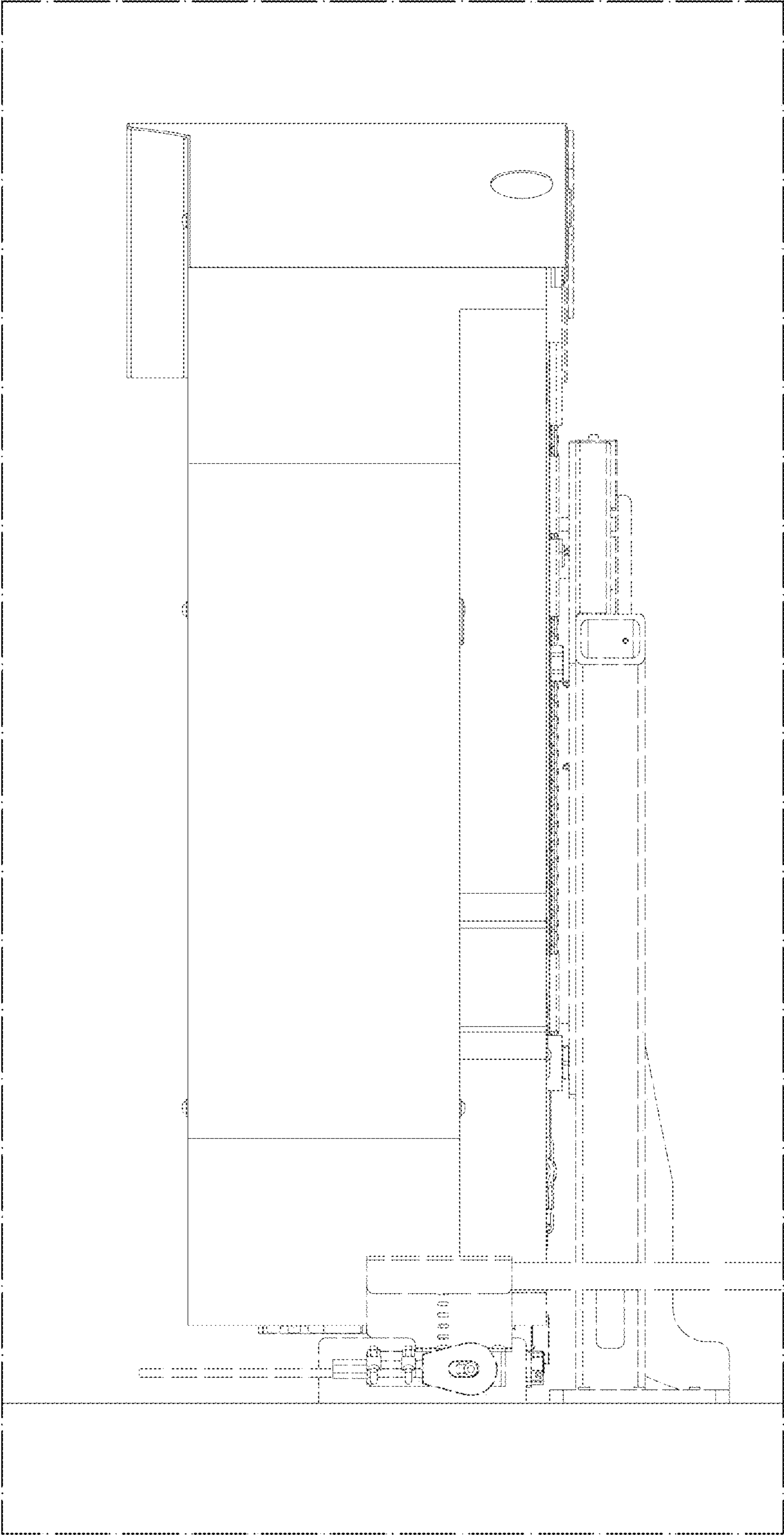


FIG. 19

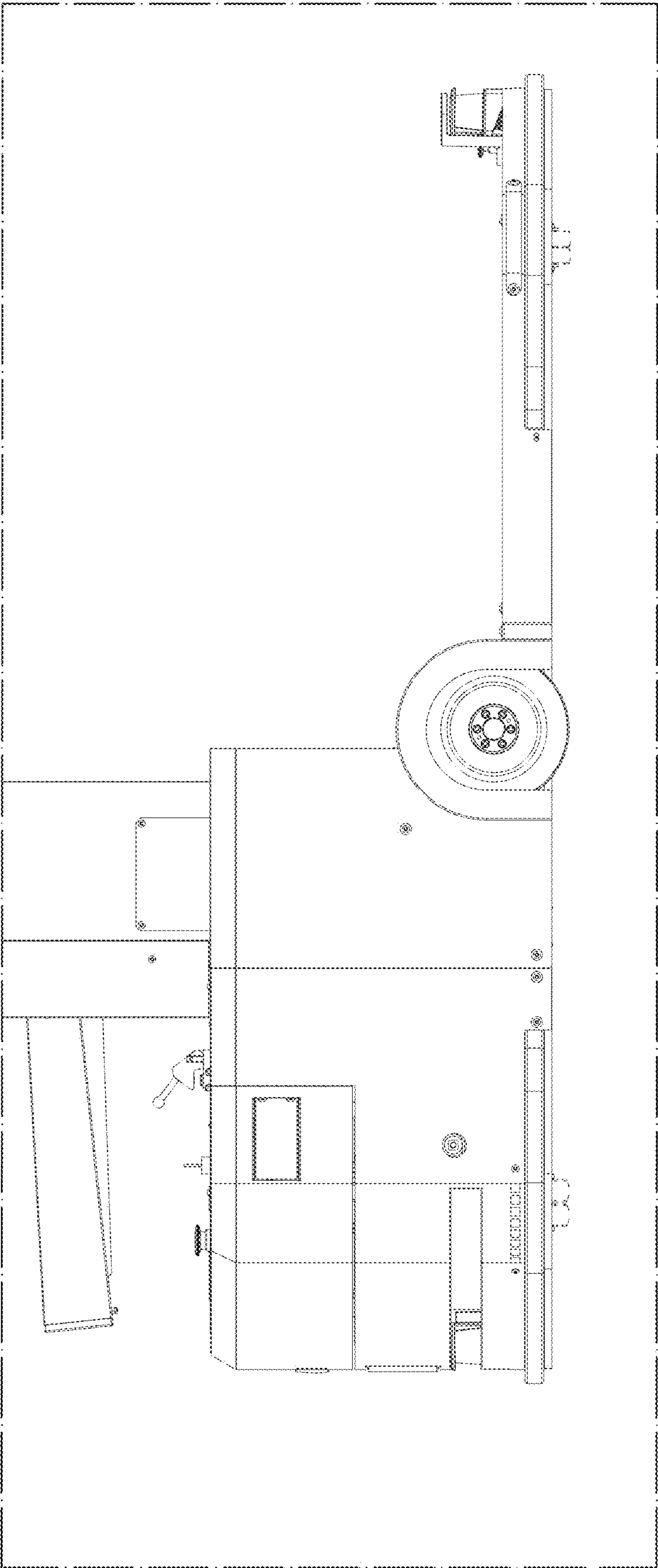


FIG. 20

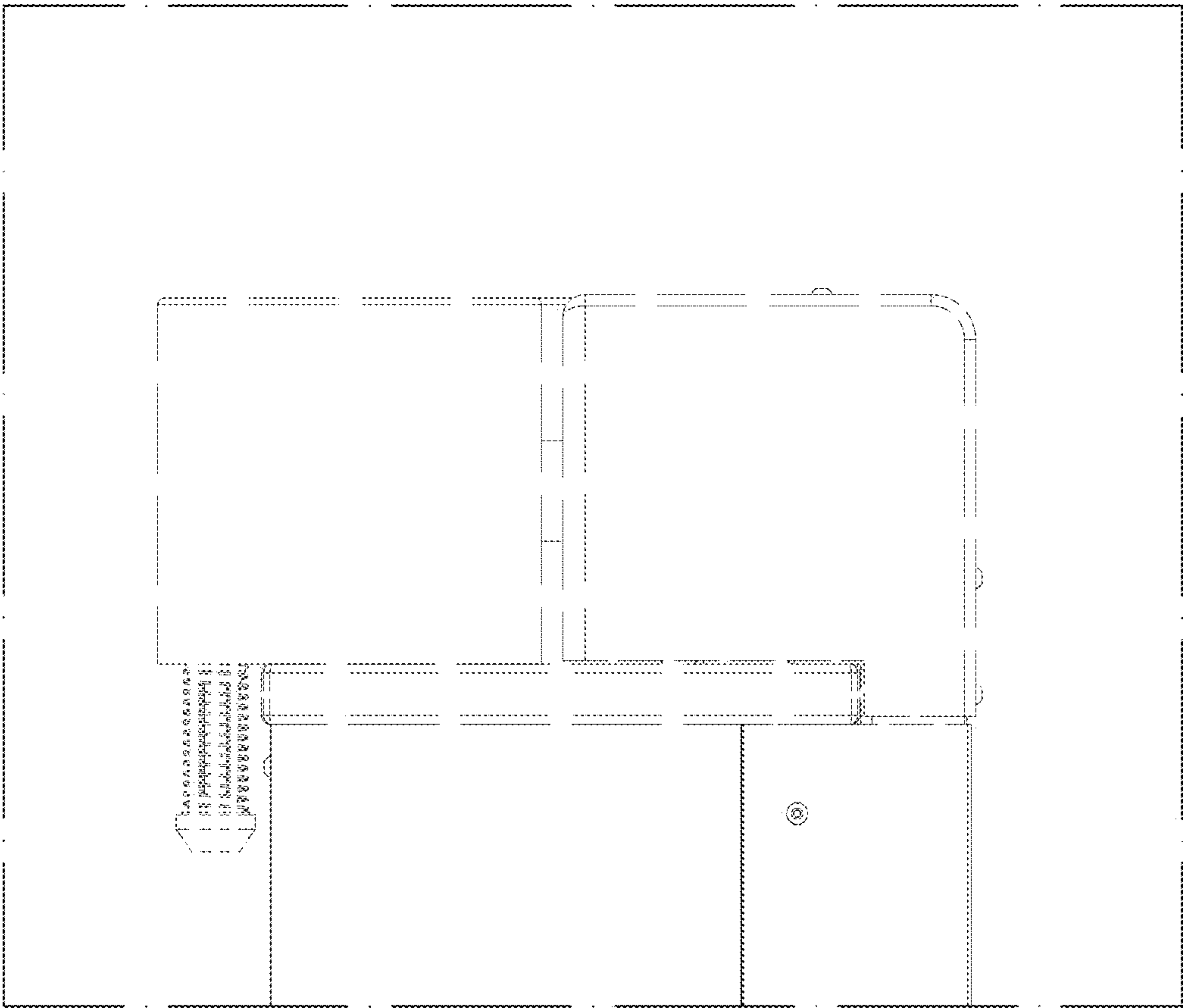


FIG. 21

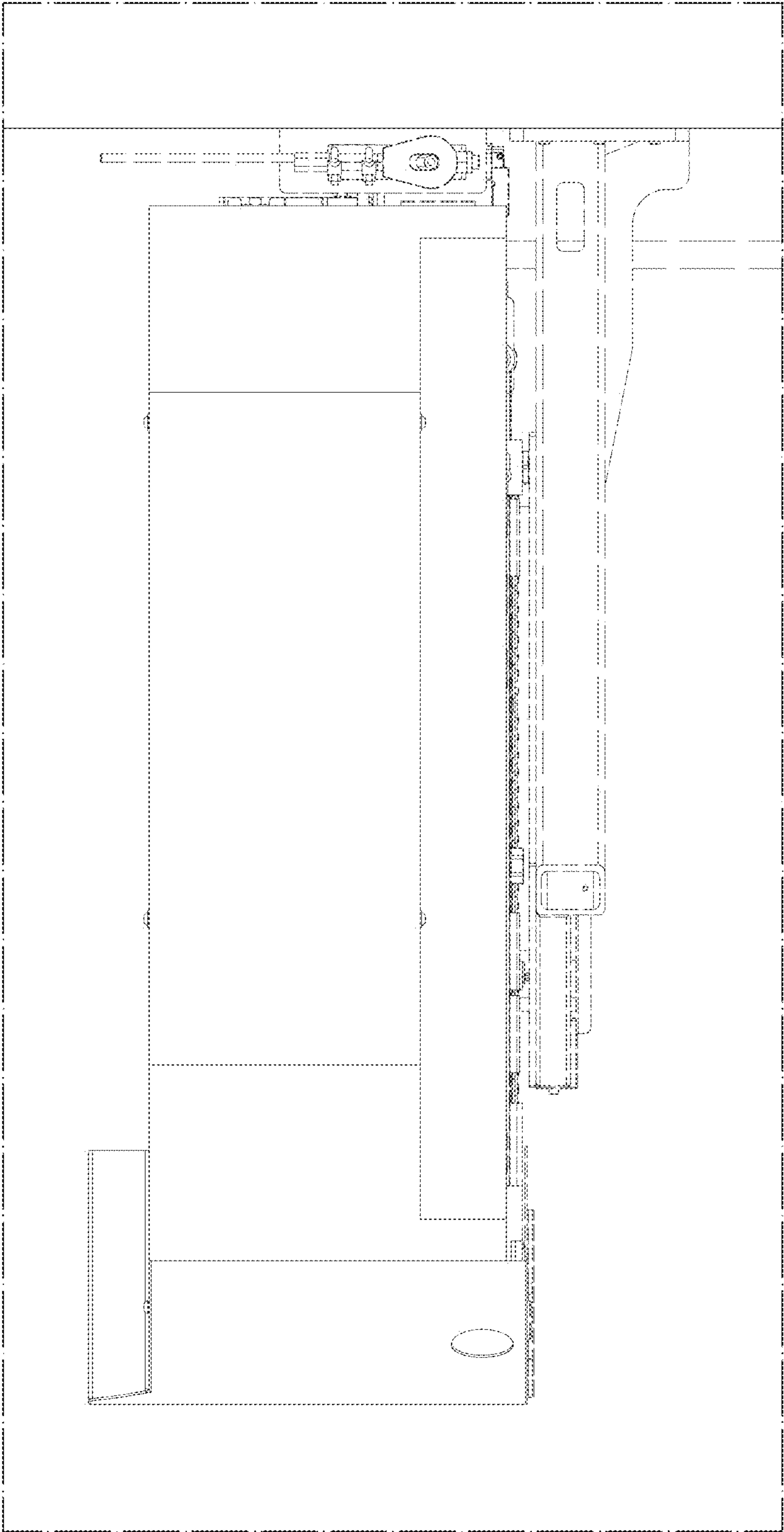


FIG. 22

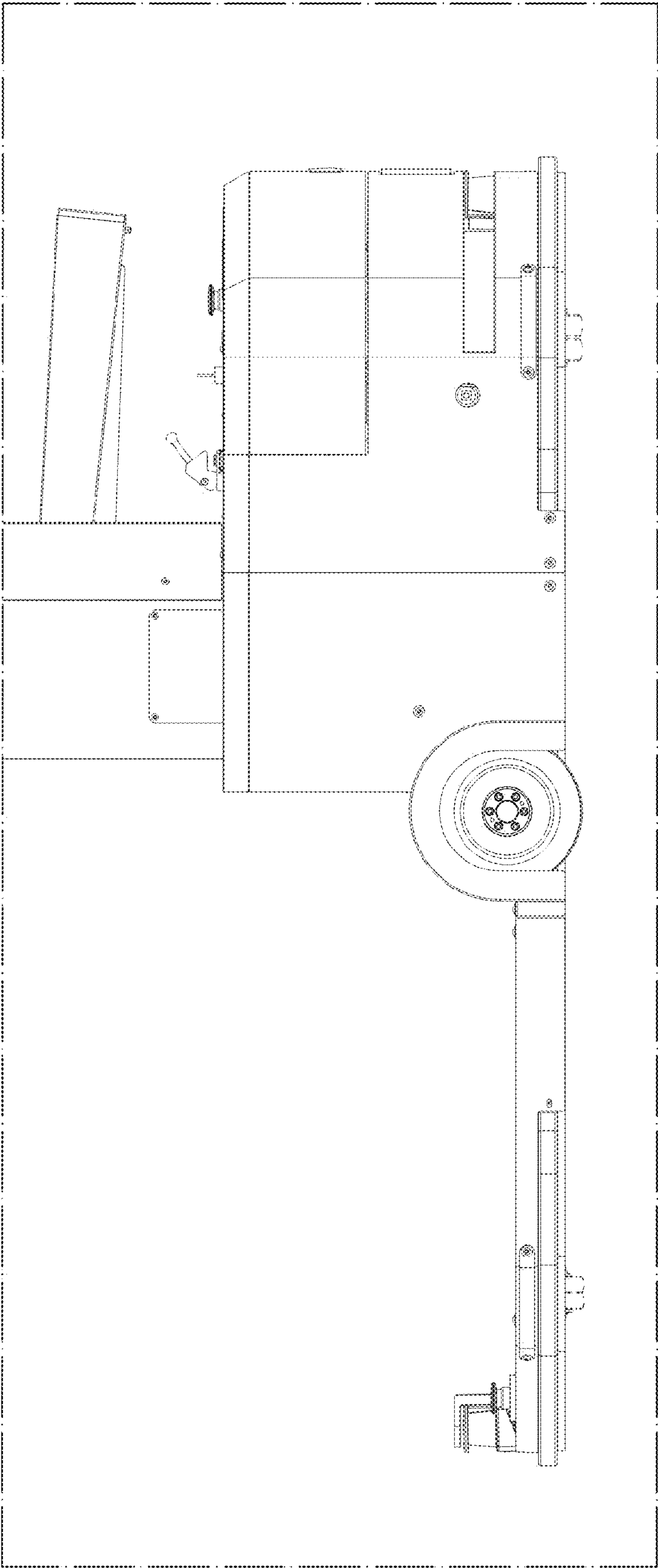


FIG. 23

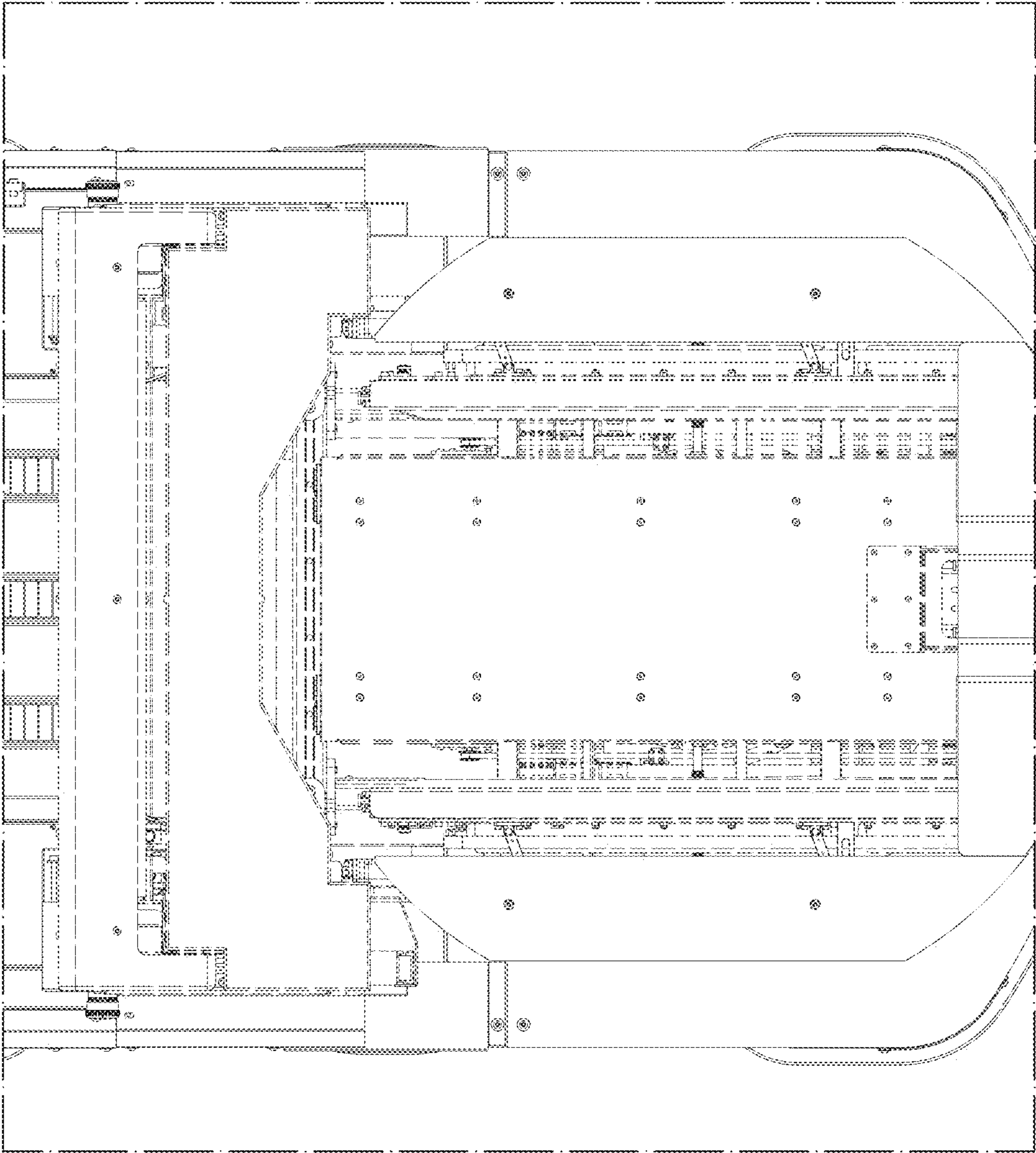


FIG. 24

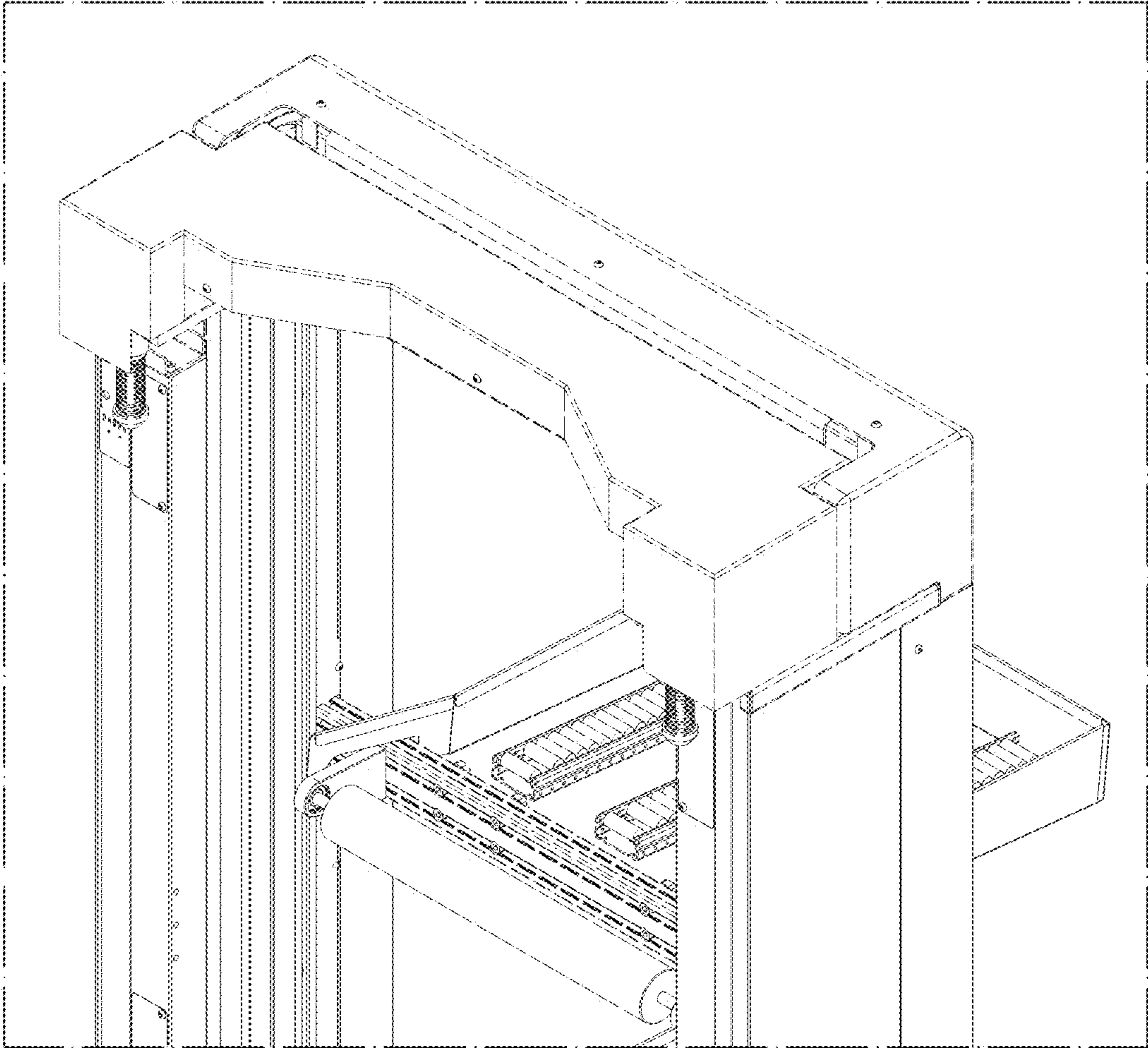
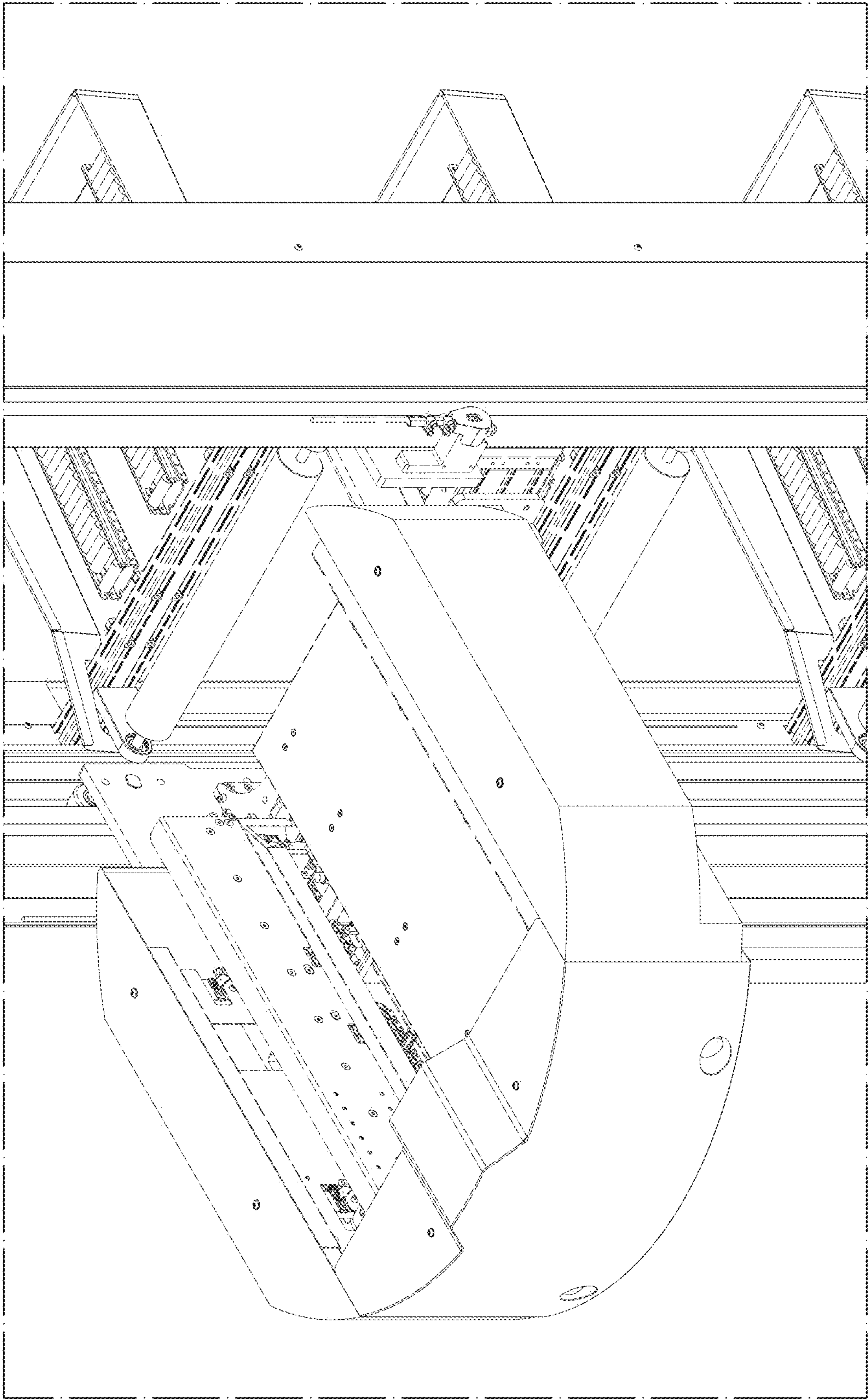


FIG. 25



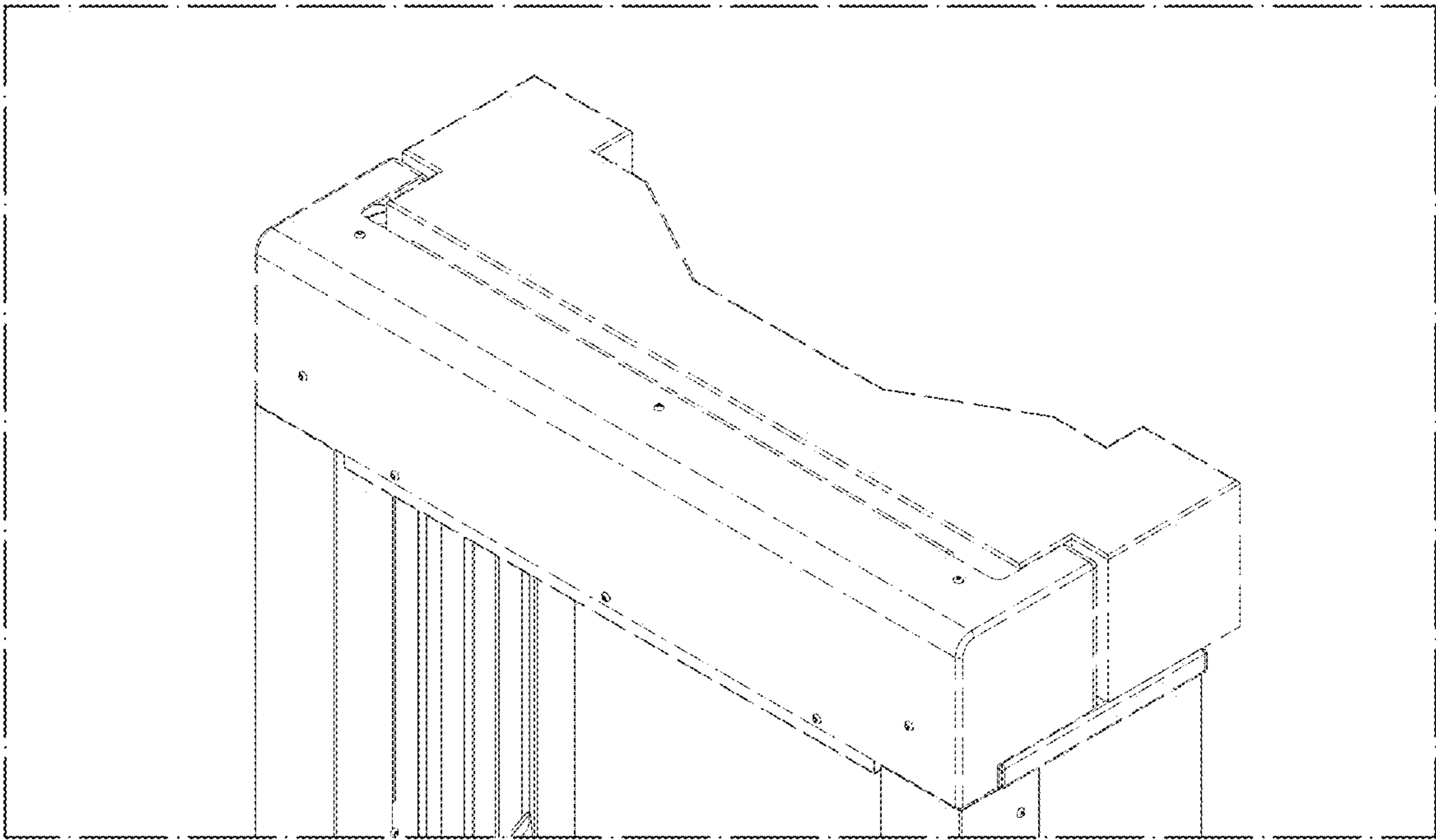


FIG. 27

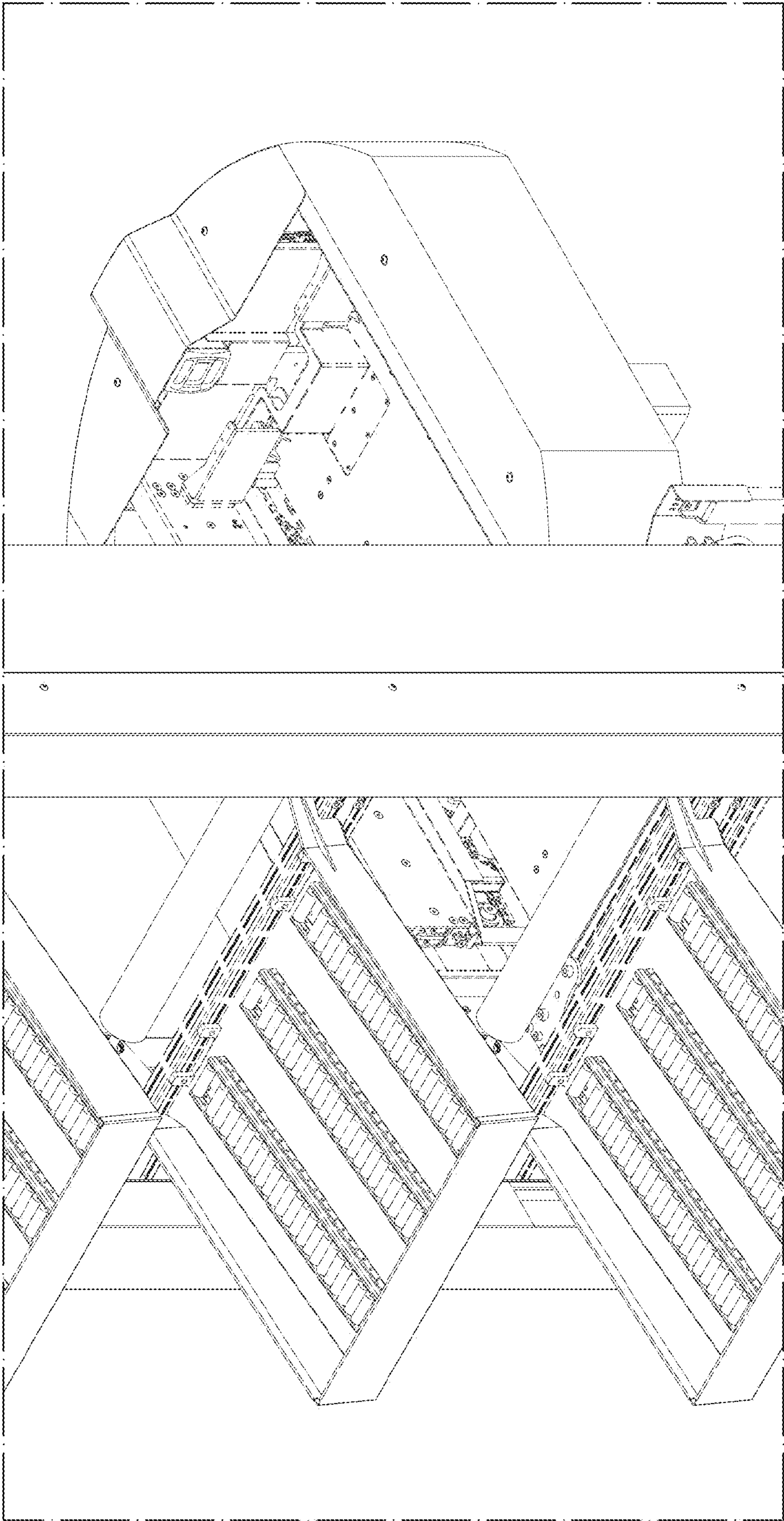


FIG. 28

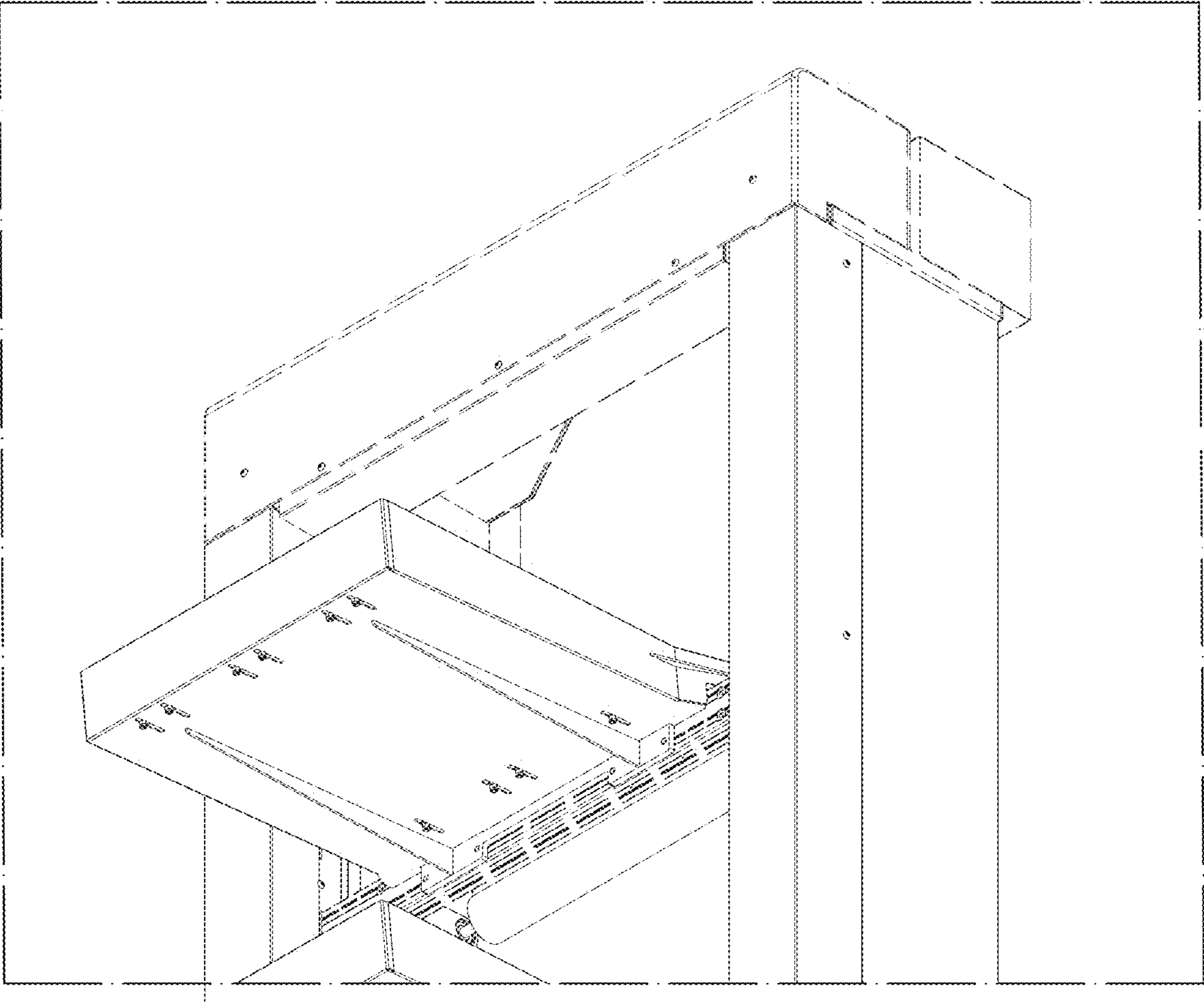


FIG. 29

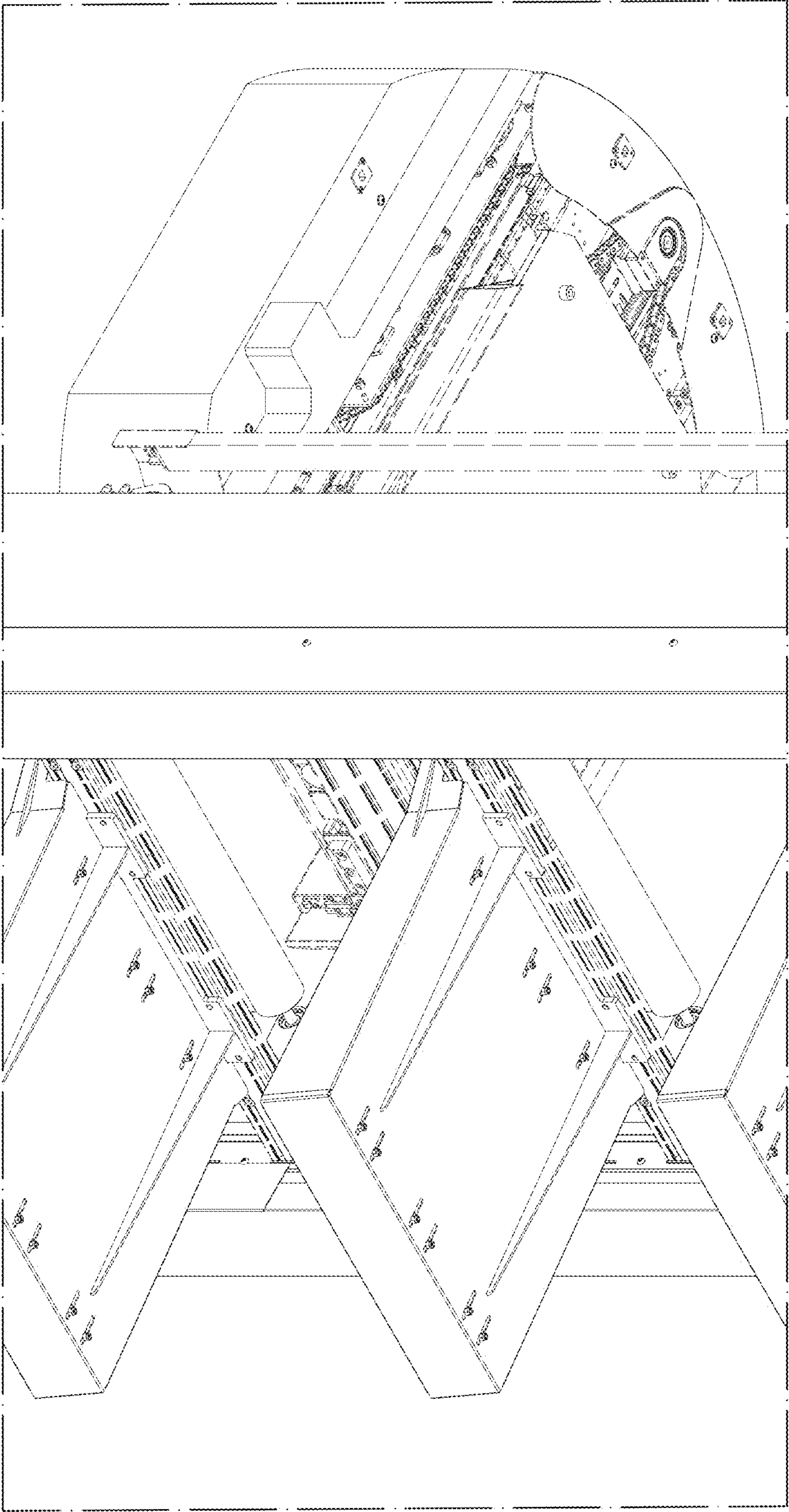


FIG. 30