



US00D923672S

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

(10) **Patent No.:** **US D923,672 S**

(45) **Date of Patent:** **** Jun. 29, 2021**

(54) **CNC MACHINING FILTER APPARATUS**

(71) Applicant: **Oberlin Filter Co.**, Pewaukee, WI (US)

(72) Inventors: **Jeffrey D. Koepnick**, Sussex, WI (US);
Brian R. Pfau, Hartford, WI (US)

(73) Assignee: **Oberlin Filter Co.**, Pewaukee, WI (US)

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

(21) Appl. No.: **29/710,158**

(22) Filed: **Oct. 21, 2019**

(51) **LOC (13) Cl.** **15-09**

(52) **U.S. Cl.**
USPC **D15/127**

(58) **Field of Classification Search**
USPC D12/300, 317; D15/4, 5, 9, 122, 124,
D15/127-131, 139-141, 144; D23/206,
D23/213, 214, 233-235, 245, 249, 257,
D23/259, 260, 270
CPC B23Q 1/262; B23Q 1/52; G05B 19/184;
G05B 19/231; Y10T 82/13; Y10T
82/2502

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D144,103 S *	3/1946	Clyne	.....	D16/130
D164,403 S *	9/1951	Hamberger	.....	D15/124
D169,048 S *	3/1953	Desenberg	.....	D15/124
D180,363 S *	5/1957	Lingarjati	.....	D15/124
D495,723 S *	9/2004	Kawamura	.....	D15/127
D496,375 S *	9/2004	Kawamura	.....	D15/127
D497,922 S *	11/2004	Kawamura	.....	D15/127
D500,331 S *	12/2004	Crisler, III	.....	D15/144
D500,332 S *	12/2004	Crisler, III	.....	D15/144
D569,883 S *	5/2008	Wang	.....	D15/144

D764,553 S *	8/2016	Zhang	.....	D15/127
D772,965 S *	11/2016	Westlake	.....	D15/144
D778,331 S *	2/2017	Ide	.....	D15/144
D791,204 S *	7/2017	Hynek	.....	D15/131
D821,464 S *	6/2018	Lin	.....	D15/144
D854,064 S *	7/2019	Mayer	.....	D15/144
D860,276 S *	9/2019	Lin	.....	D15/144
D862,545 S *	10/2019	Lin	.....	D15/144

FOREIGN PATENT DOCUMENTS

CN	2019-066900	*	1/2019
CN	2020-461808	*	5/2020
ID	2016-13306 G	*	12/2013

* cited by examiner

Primary Examiner — Michael C Stout

Assistant Examiner — Fritzgerald L Butac

(74) *Attorney, Agent, or Firm* — Jansson Munger
McKinley & Kirby Ltd.

(57) **CLAIM**

The ornamental design for a CNC machining filter apparatus, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of the CNC machining filter apparatus;

FIG. 2 is a rear perspective view thereof;

FIG. 3 is a front elevation;

FIG. 4 is a right-side elevation;

FIG. 5 is a left-side elevation;

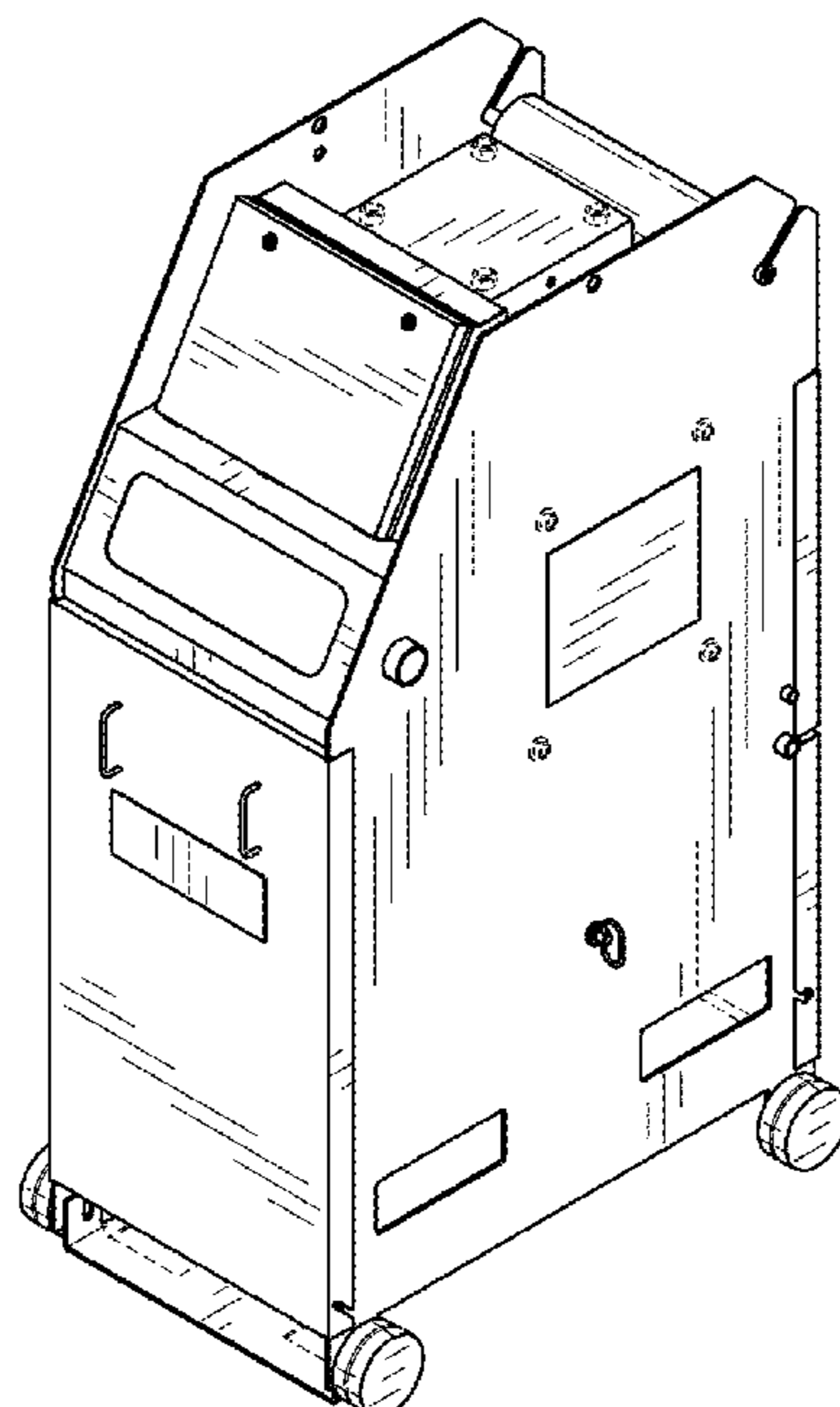
FIG. 6 is a top plan view;

FIG. 7 is a rear elevation; and,

FIG. 8 is a bottom plan view.

The broken lines show portions of a CNC machining filter apparatus that form no part of the claimed design.

1 Claim, 3 Drawing Sheets



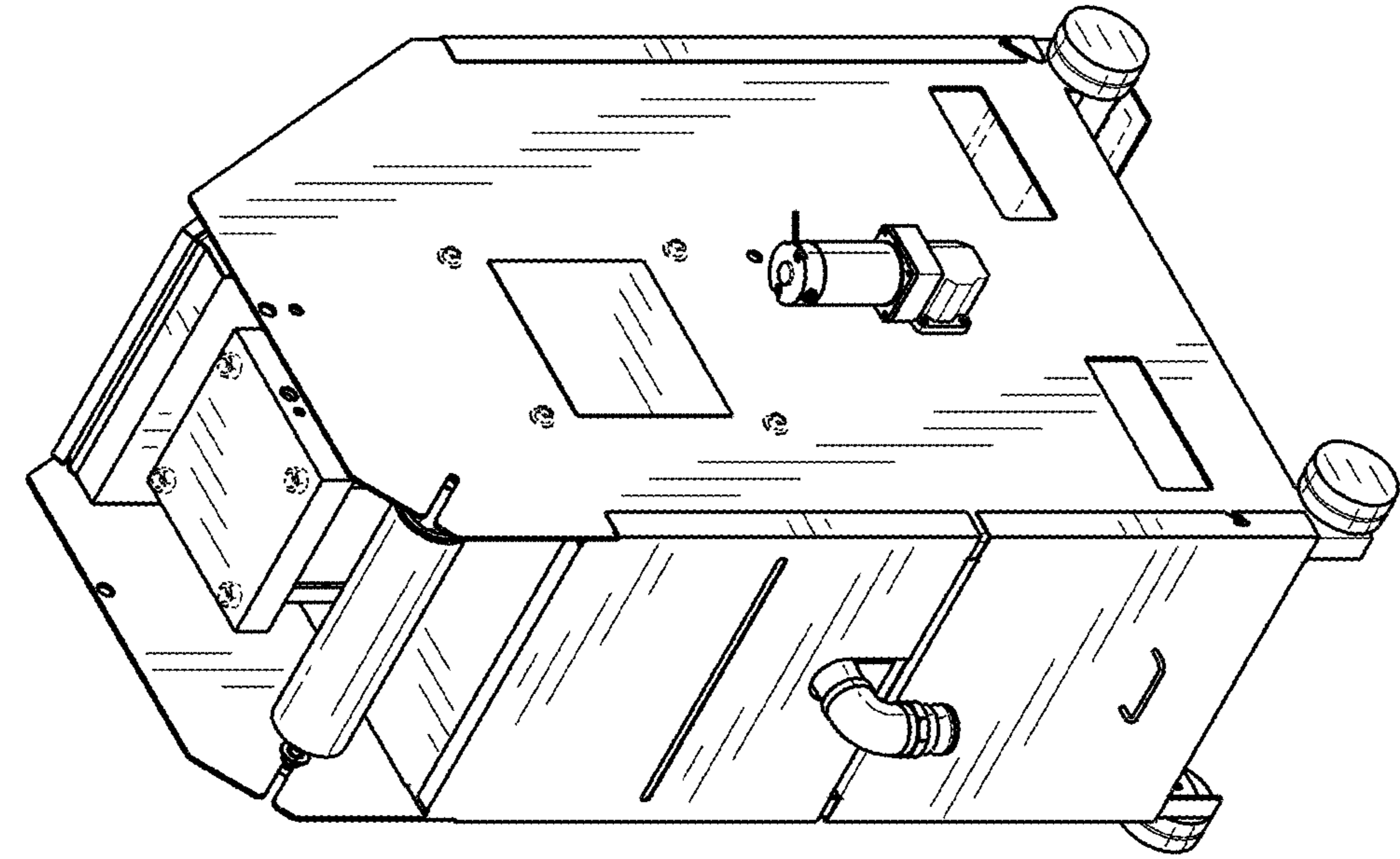


FIG. 1

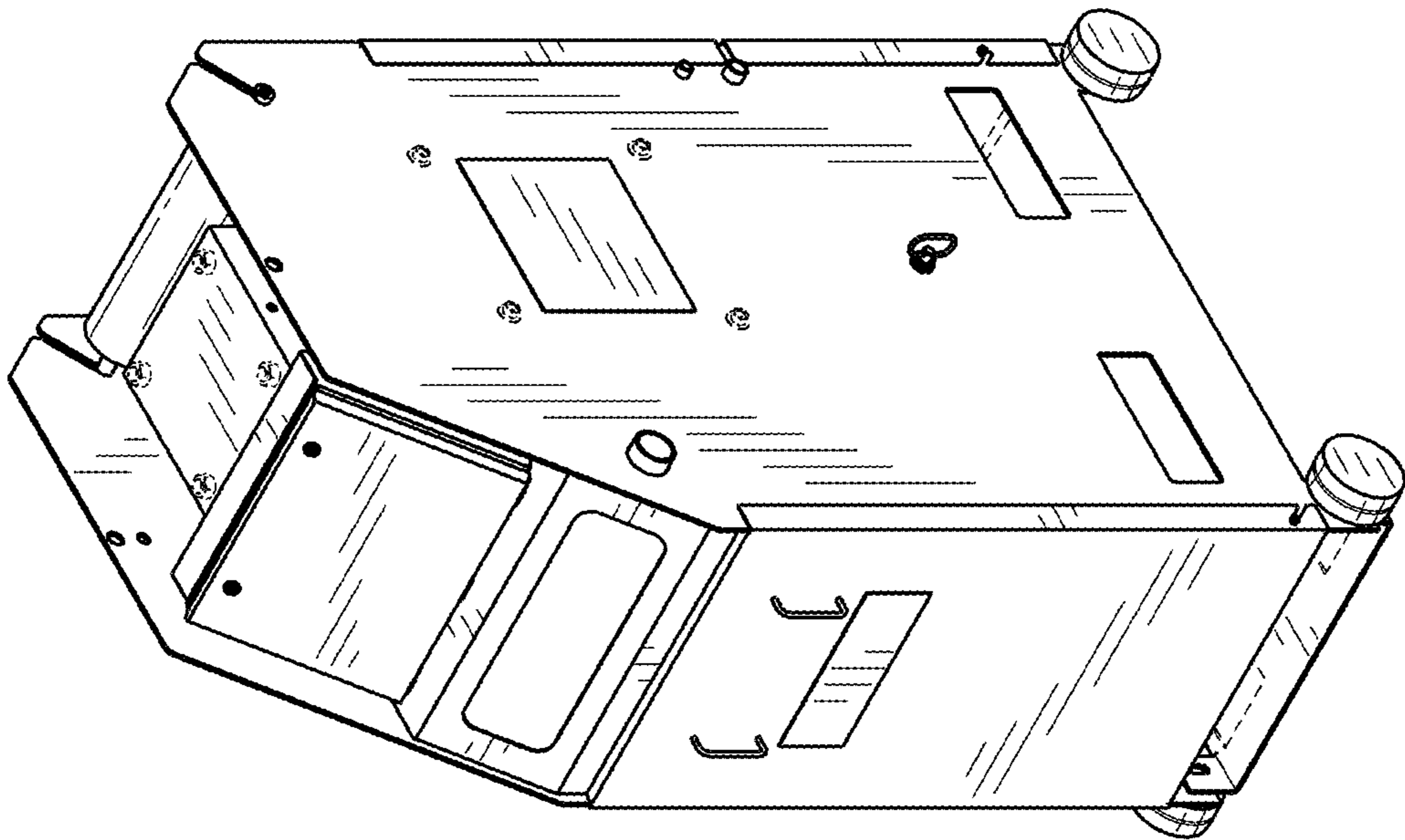


FIG. 2

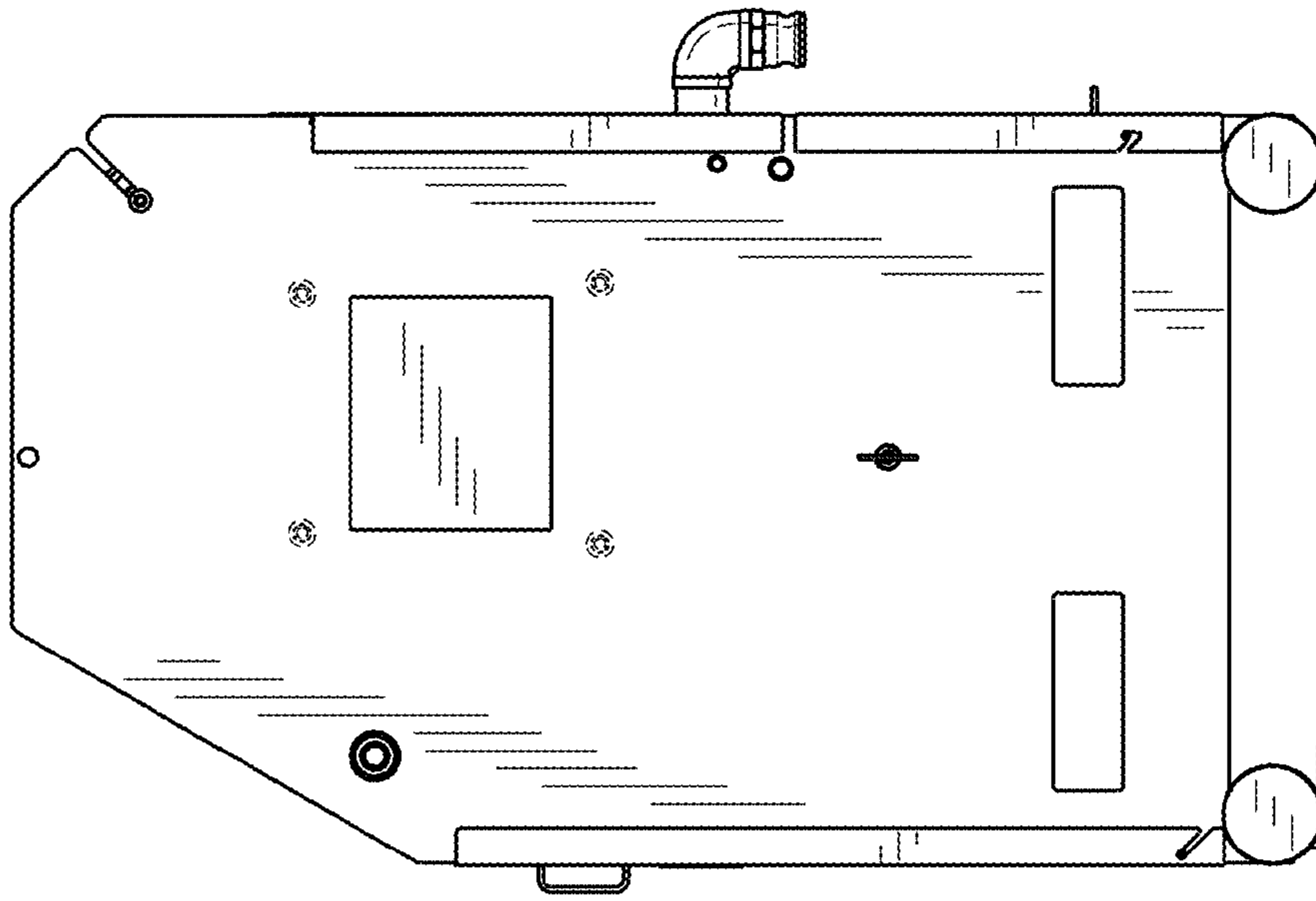


FIG. 4

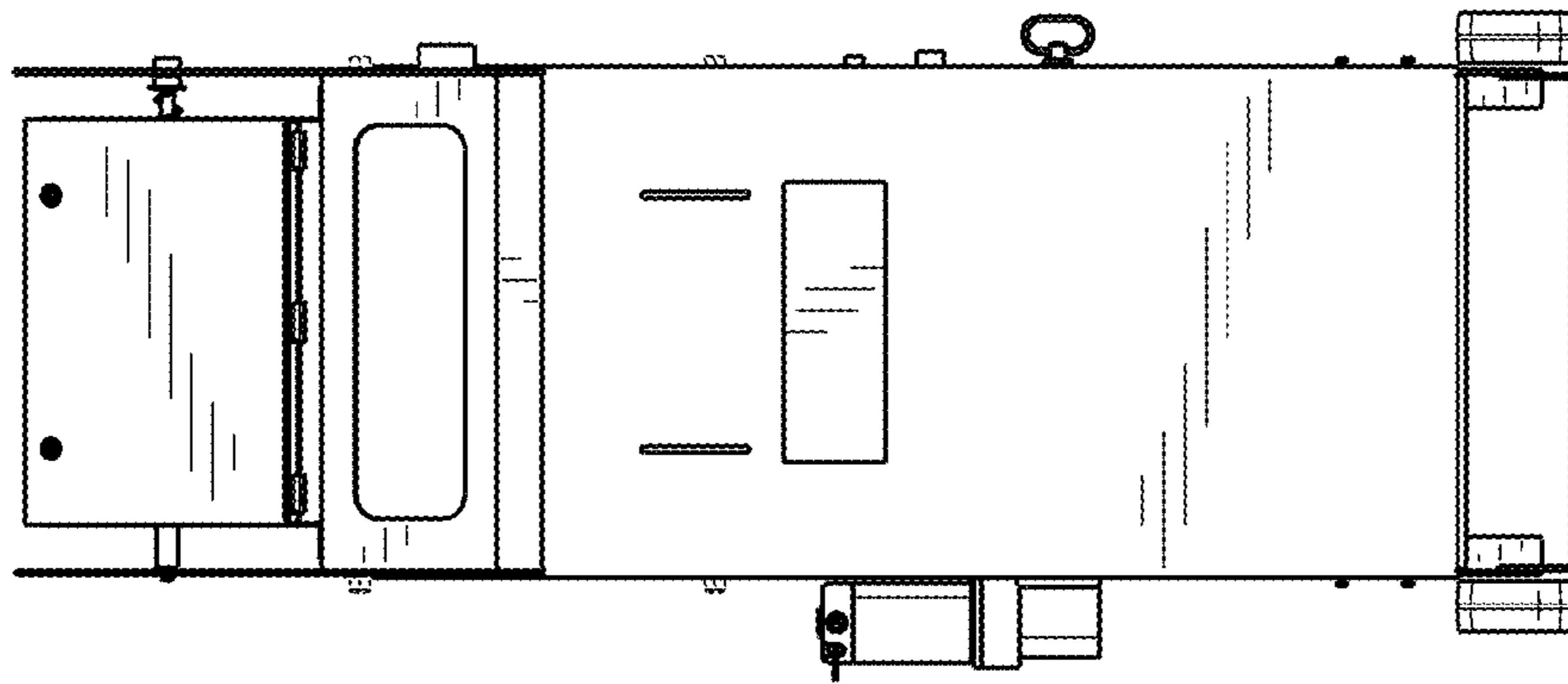


FIG. 3

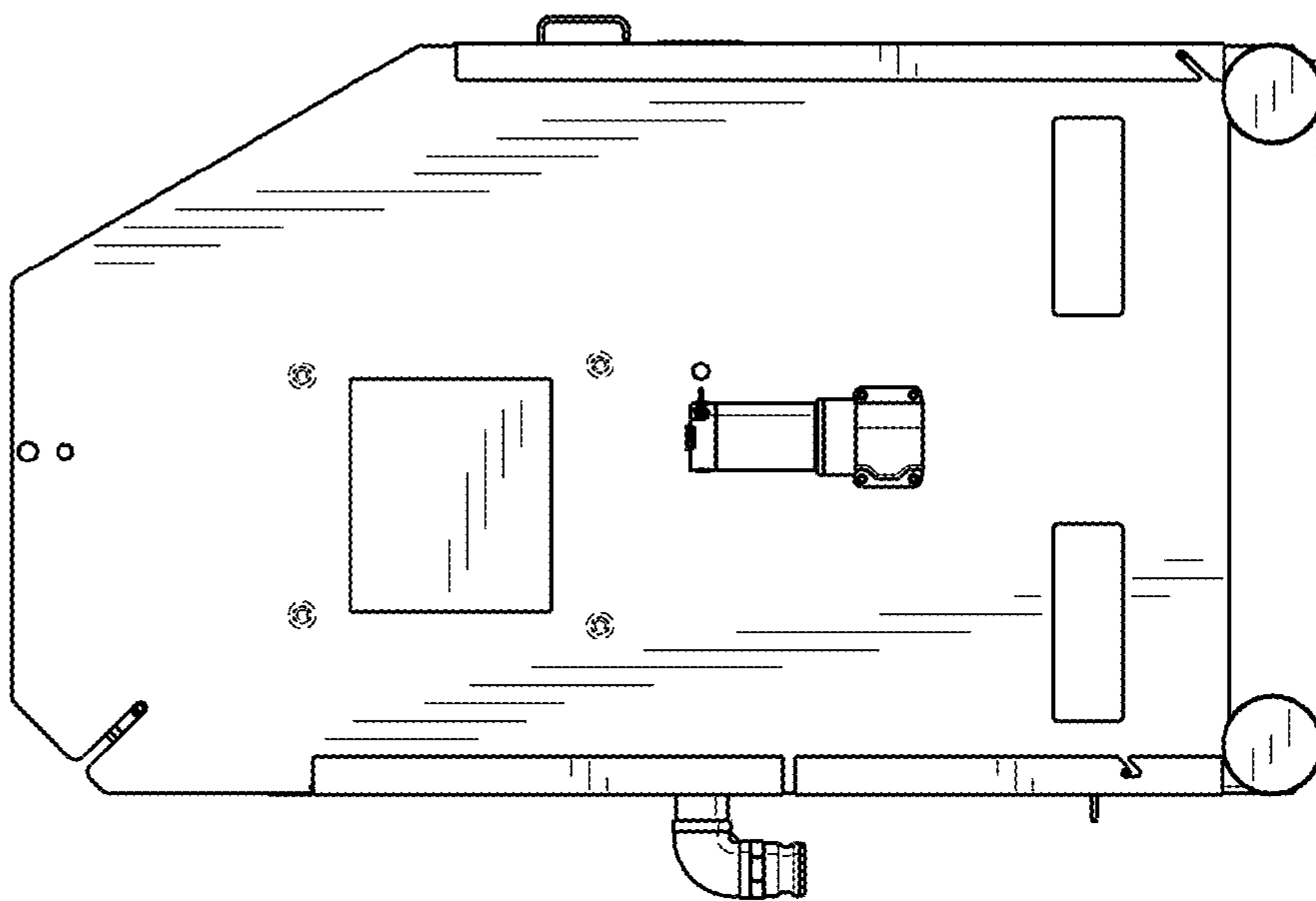


FIG. 5

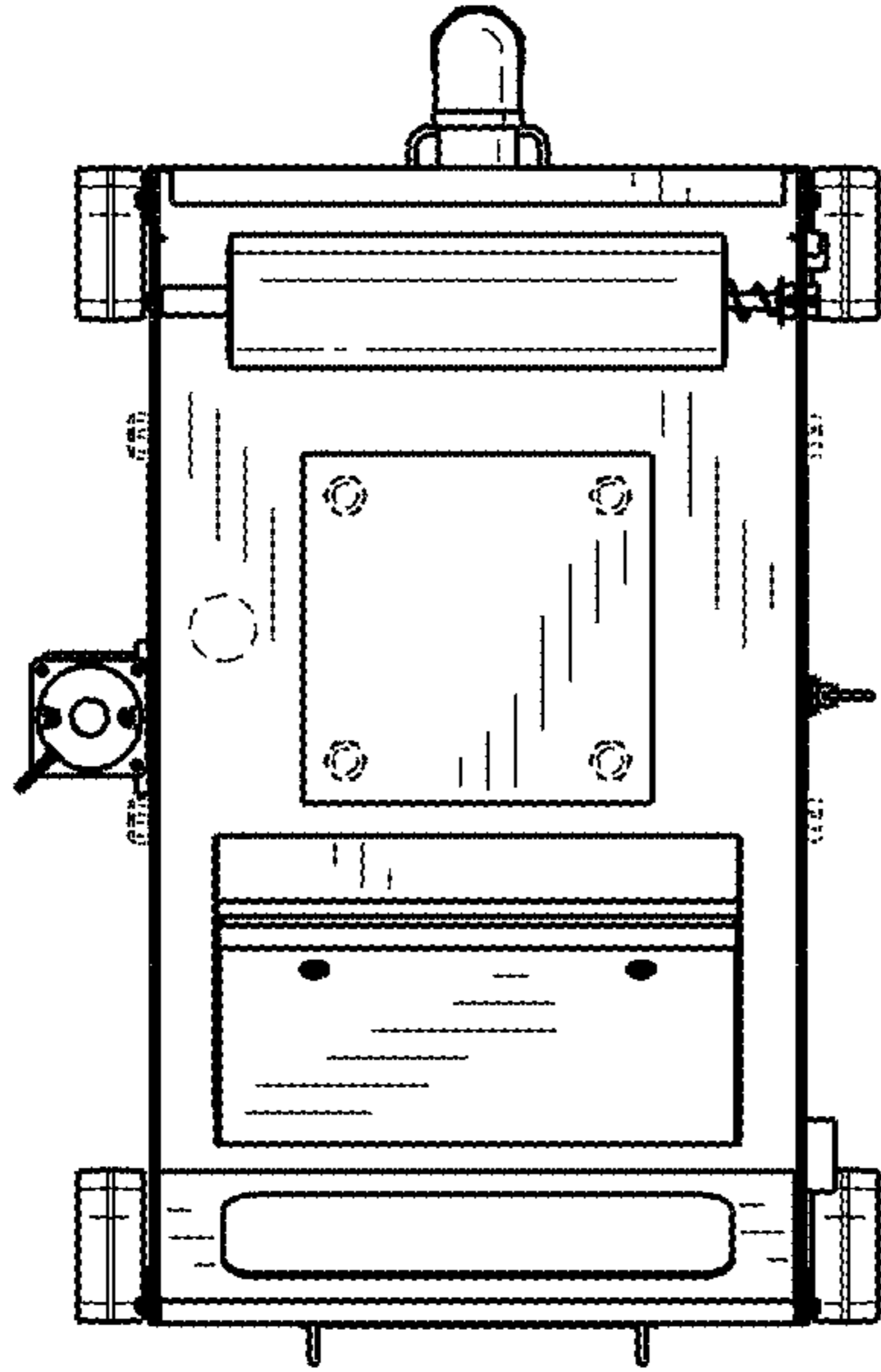


FIG. 6

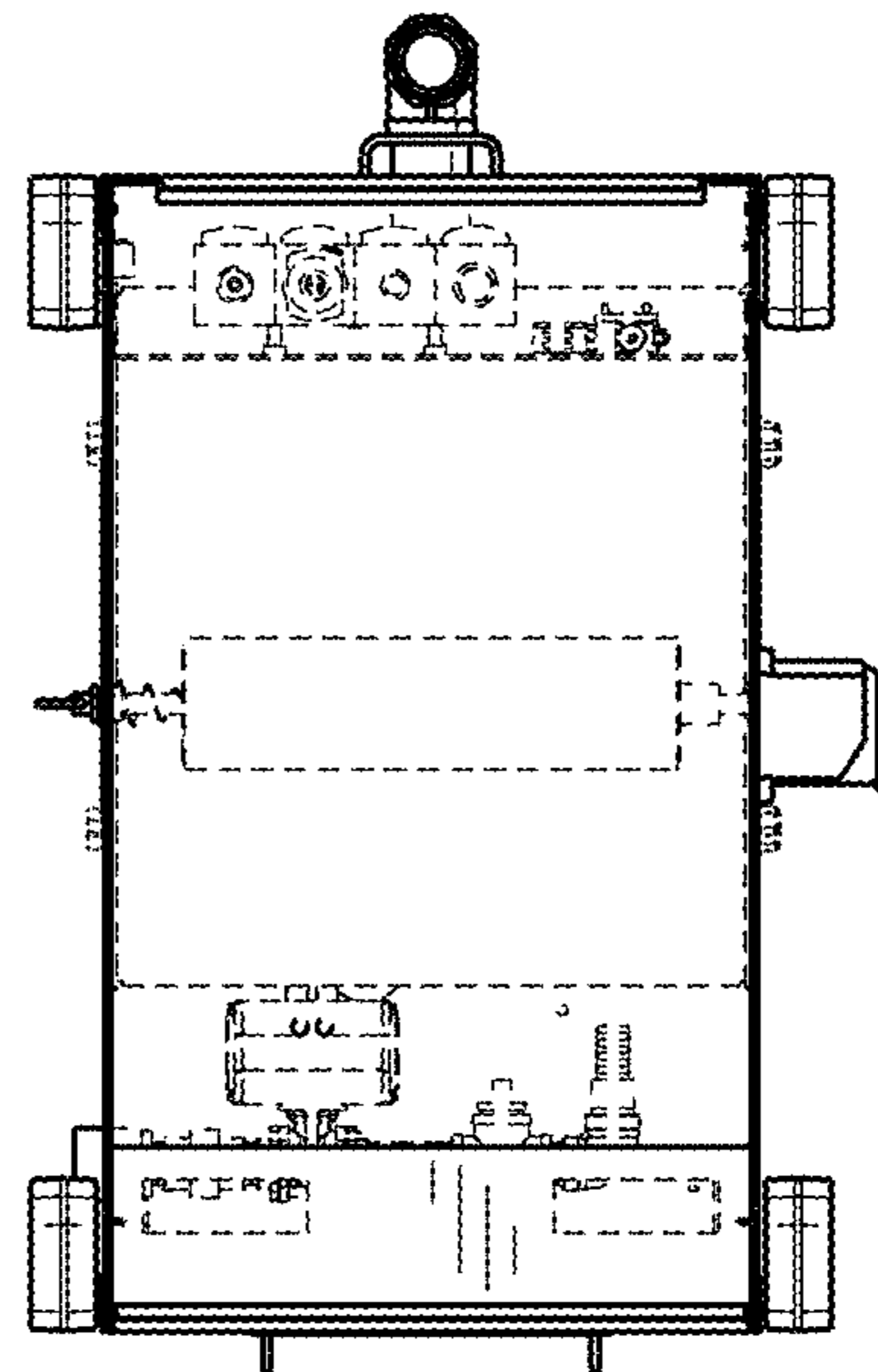


FIG. 8

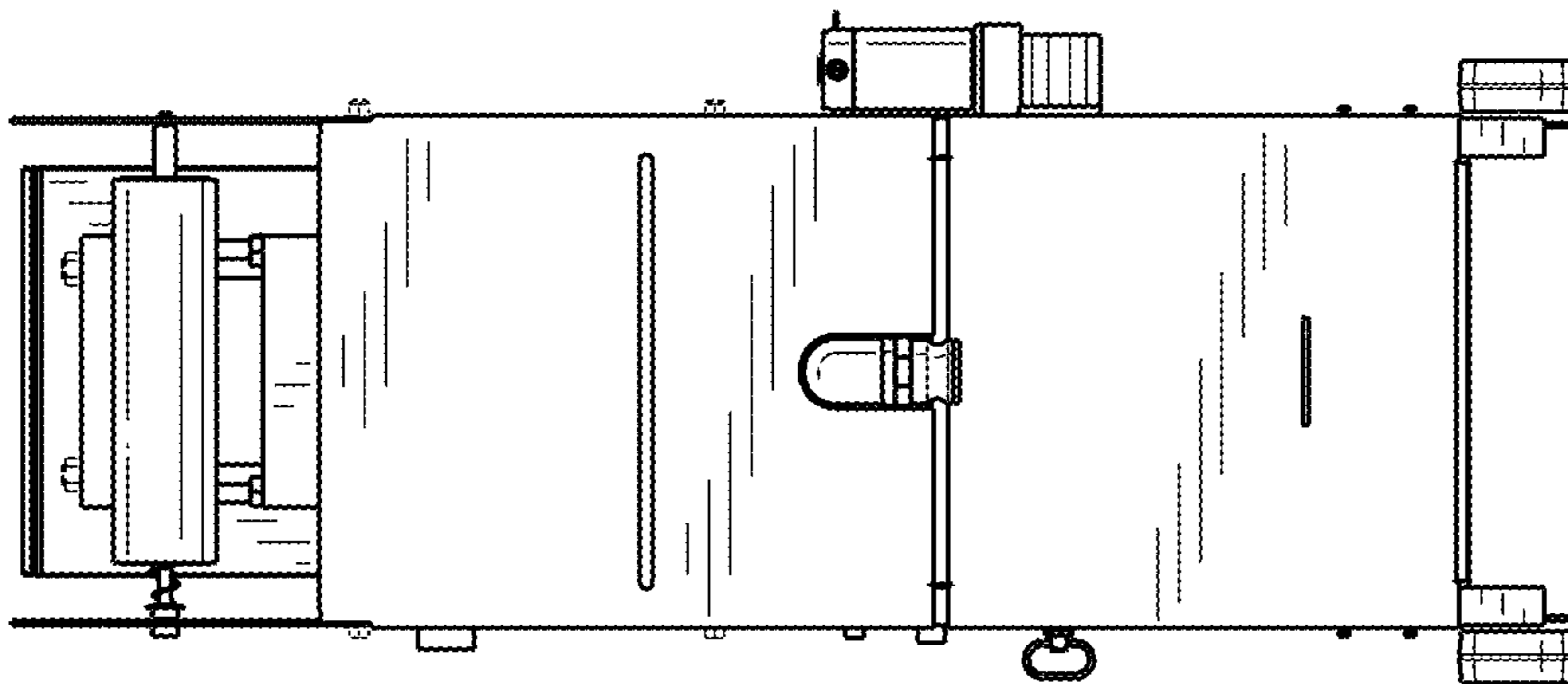


FIG. 7