US00D979765S

(12) United States Design Patent

Bürger et al.

(10) Patent No.: US D979,765 S
(45) Date of Patent: ** Feb. 28, 2023

(54) **SHELF TOWER FOR A SYRINGE PUMP RACK AND/OR INFUSION PUMP RACK**

(71) Applicant: **B. Braun Melsungen AG**, Melsungen (DE)

(72) Inventors: **Maria Bürger**, Malsfeld (DE); **Christoph Erlen**, Kassel (DE); **Stefan Espenhahn**, Hamburg (DE); **Norbert Koop**, Rellingen (DE); **Joachim Schütz**, Fulda (DE); **Matthias Schwalm**, Schwalmstadt (DE); **Jan Sokoll**, Nortorf (DE)

(73) Assignee: **B. Braun Melsungen AG**, Melsungen (DE)

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

(21) Appl. No.: **29/798,514**

(22) Filed: **Jul. 8, 2021**

(30) **Foreign Application Priority Data**

Jan. 15, 2021 (EM) 008404255

(51) **LOC (14) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/185**

(58) **Field of Classification Search**
USPC D24/108, 111, 127–129, 227–229, 231, D24/234; D6/672, 673, 677, 677.1, 702, D6/105
CPC . A61M 5/1413; H05K 5/0021; H05K 7/1435; F16M 11/24; F16M 2200/027; A61B 19/0256; G06F 19/3412; G06F 19/3468
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D426,092	S	*	6/2000	Neustadt	D6/705
D429,091	S	*	8/2000	Chen	D6/677.1
D459,137	S	*	6/2002	Poirier	D6/677.1

(Continued)

FOREIGN PATENT DOCUMENTS

EM	008404255-0009	*	3/2021
JP	D1710687	*	3/2022
NZ	429275-0001	*	2/2021

OTHER PUBLICATIONS

Space plus, Infusion Pump System Infusion system, B Braun, [Post date unknown], [Site seen Aug. 8, 2022], Seen at URL: https://ifdesign.com/en/winner-ranking/project/space-plus-infusion-pump-system/316872 (Year: 2022).*

(Continued)

Primary Examiner — Natasha Vujcic
Assistant Examiner — Gilbert B Ford
(74) *Attorney, Agent, or Firm* — Christopher A. Rothe; Culhane Meadows, PLLC

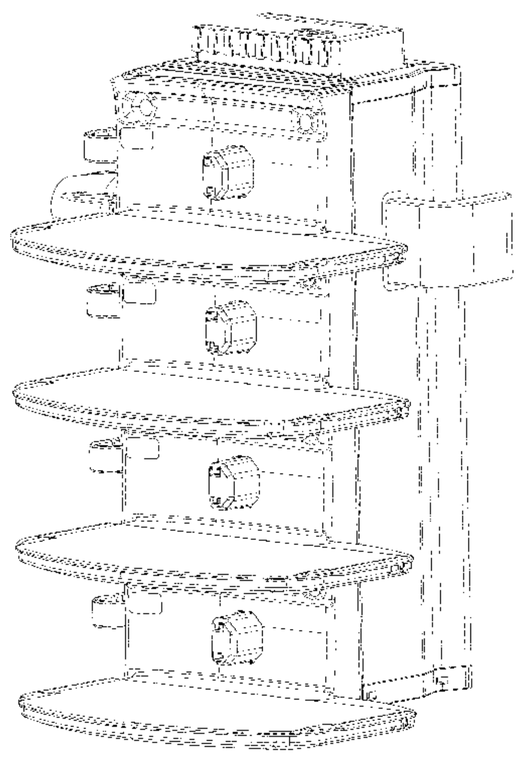
(57) **CLAIM**

We claim, the ornamental design for a shelf tower for a syringe pump rack and/or infusion pump rack, as shown and described.

DESCRIPTION

FIG. **1** is a left perspective view of a shelf tower for a syringe pump rack and/or infusion pump rack;
FIG. **2** is a right perspective view thereof;
FIG. **3** is a front view thereof;
FIG. **4** is a rear view thereof;
FIG. **5** is a left side view thereof;
FIG. **6** is a right side view thereof; and,
FIG. **7** is a top view thereof.
The broken lines in the drawings illustrate portions of the shelf tower for a syringe pump rack and/or infusion pump rack which forms no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

6,407,335	B1 *	6/2002	Franklin-Lees	F16M 13/02 174/58
D564,796	S *	3/2008	Zambelli	D6/677.1
D700,704	S *	3/2014	Kitt	D24/185
D741,631	S *	10/2015	Bertault	D6/677
D777,933	S *	1/2017	Hrenchir	D24/185
D810,958	S *	2/2018	Lacy	D24/227
9,987,415	B2 *	6/2018	Asama	A61M 5/1417
D860,464	S *	9/2019	Caywood	D24/185
D935,246	S *	11/2021	Peng	D6/677.1
D953,540	S *	5/2022	Behrendt	D24/185
2014/0321096	A1 *	10/2014	Kajackas	A61G 12/00 361/807
2015/0041419	A1 *	2/2015	Hasegawa	F16M 11/041 248/676

OTHER PUBLICATIONS

MP-80 docking station with 6 channels, Medcaptain Medical Technology Co., Ltd, Facebook, [Post date Jun. 12, 2015], [Site seen Aug. 8, 2022], Seen at URL: https://m.facebook.com/MedcaptainMedTech/photos/mp-80-docking-station-with-6-channels/1382577882043695/ (Year: 2015).*

DI-4000 Rack standalone system, Trade Korea, [Post date: Mar. 16, 2017], [Site seen Aug. 8, 2022], Seen at URL:https://www.tradekorea.com/product/detail/P475265/Volumetric-Infusion-Pump.html (Year: 2017).*

* cited by examiner

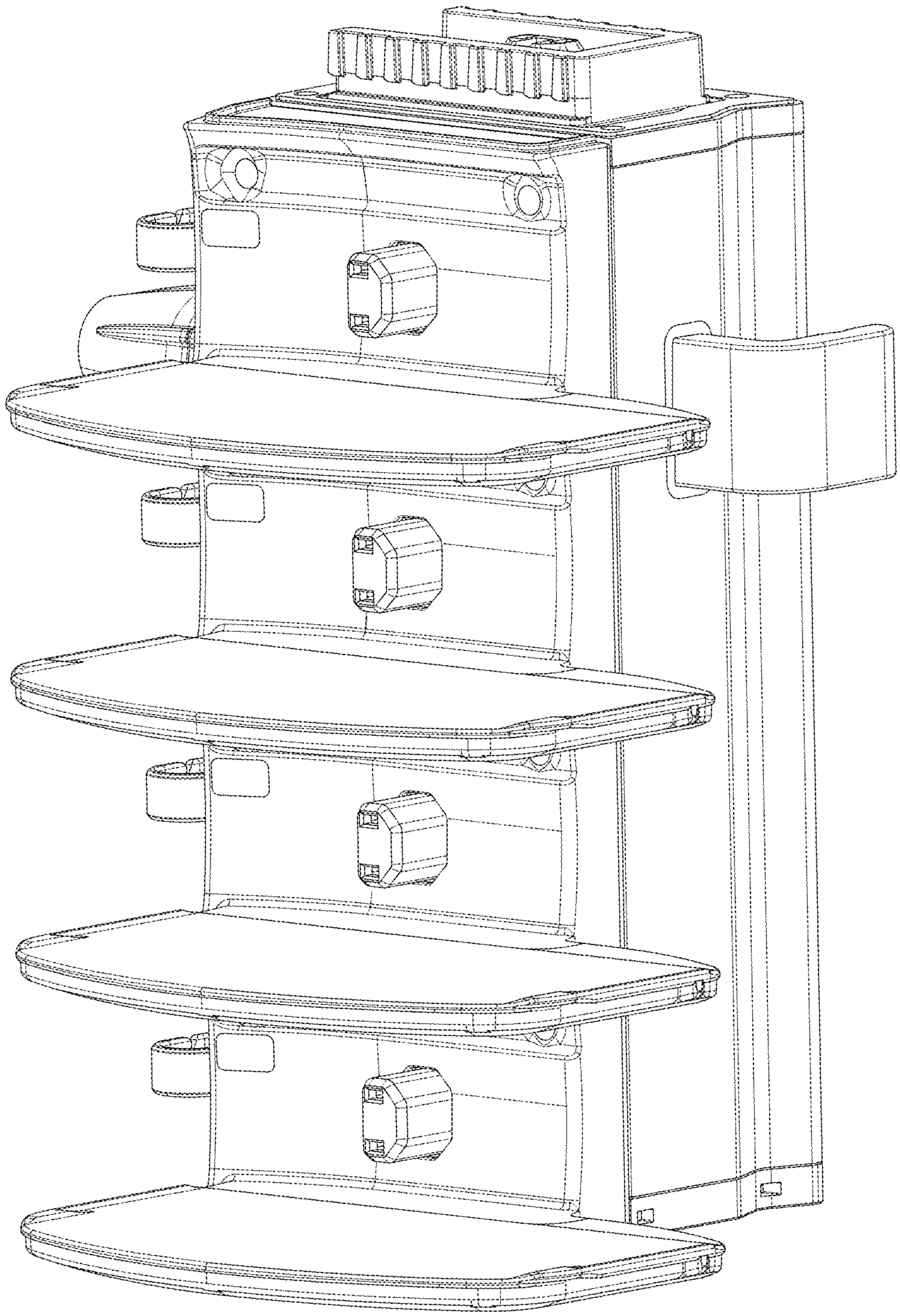


FIG. 1

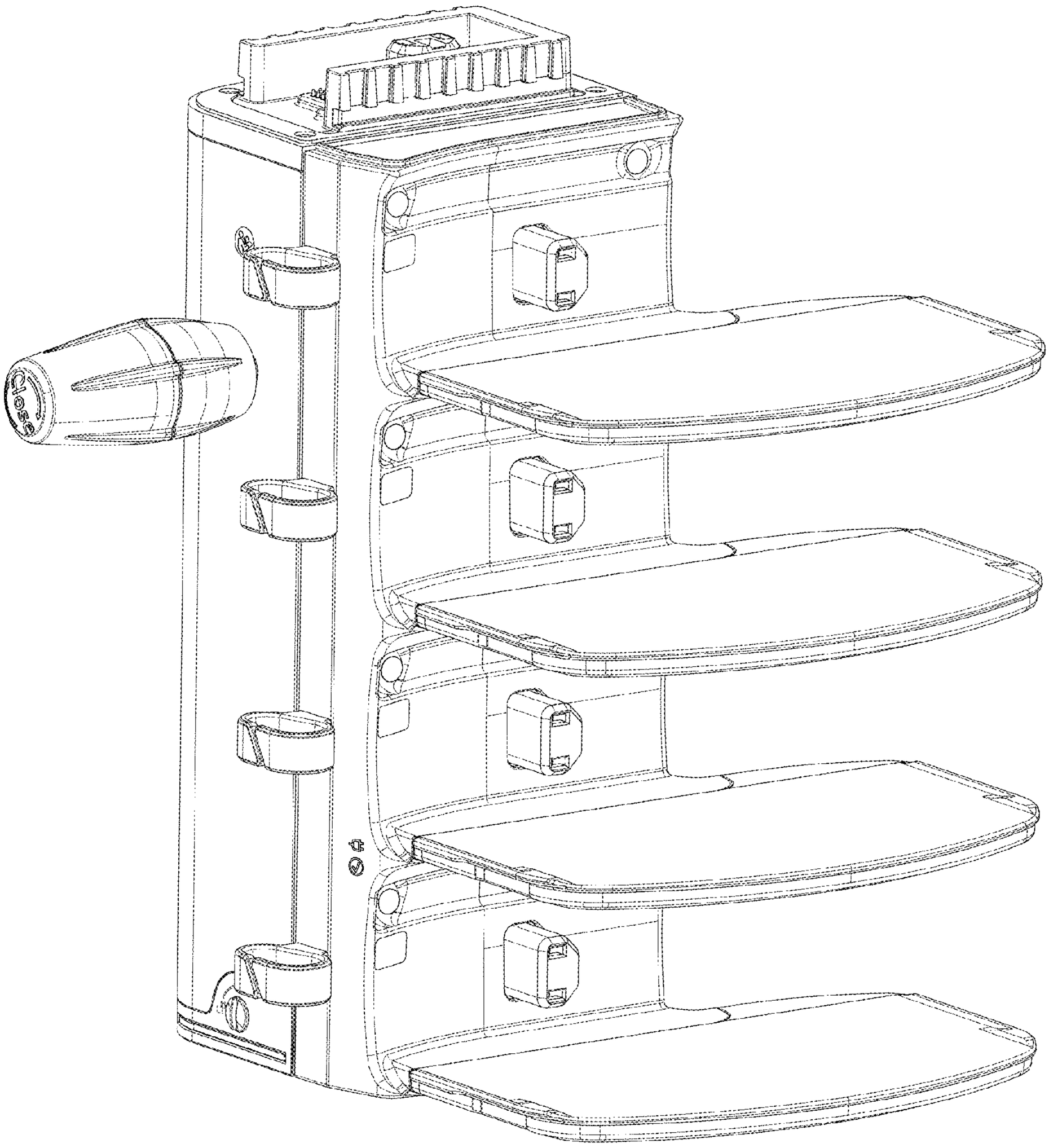


FIG. 2

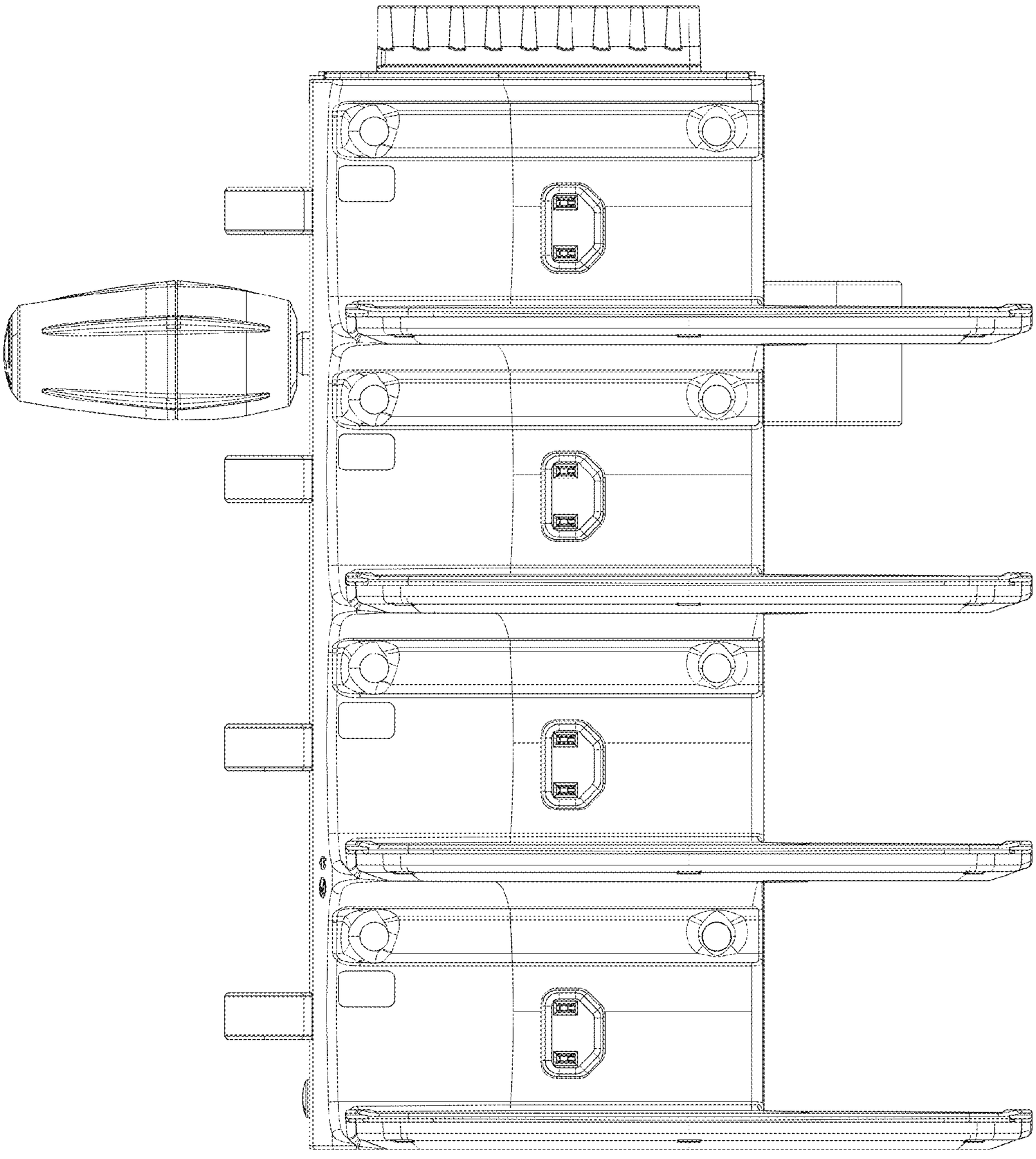


FIG. 3

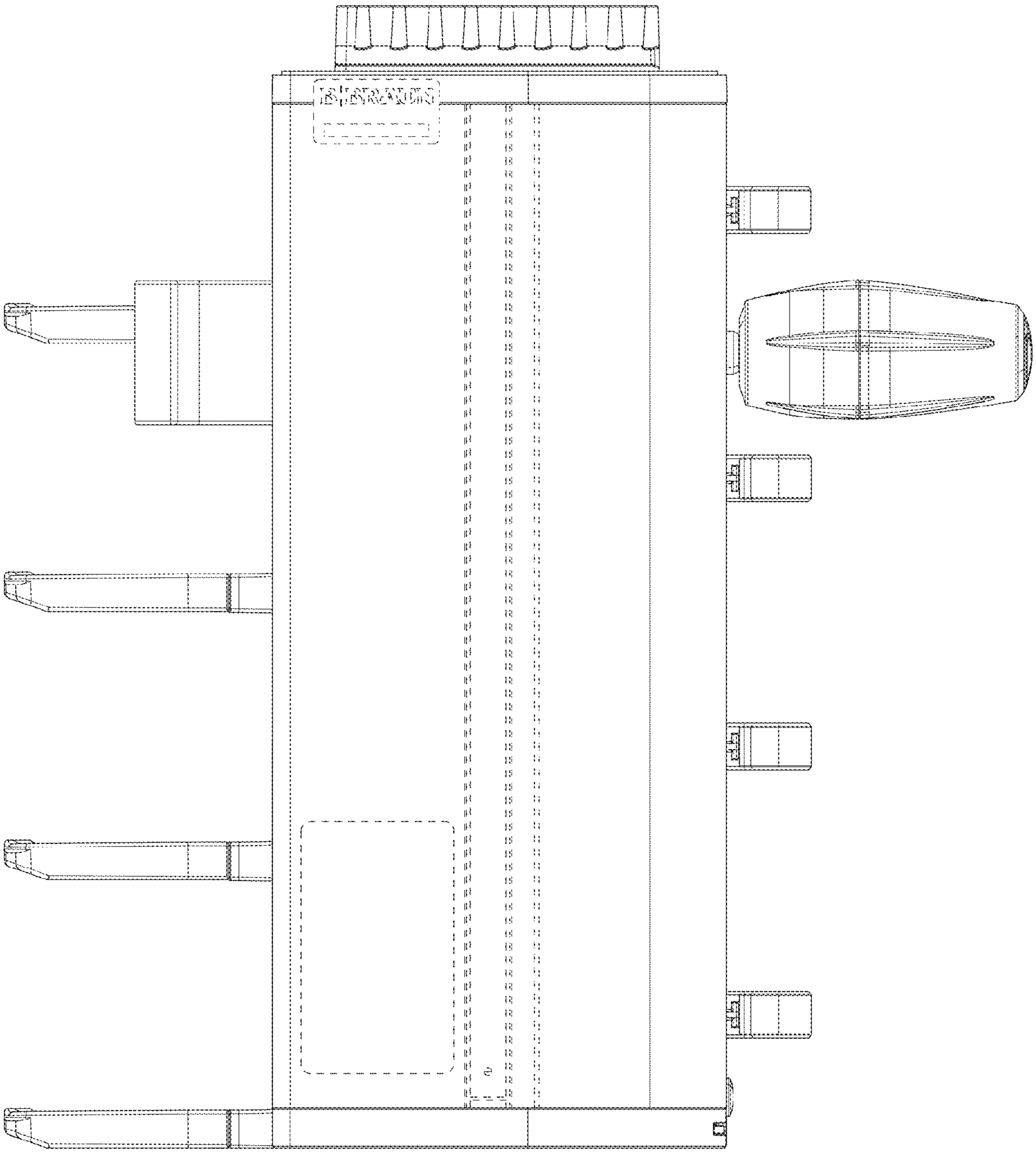


FIG. 4

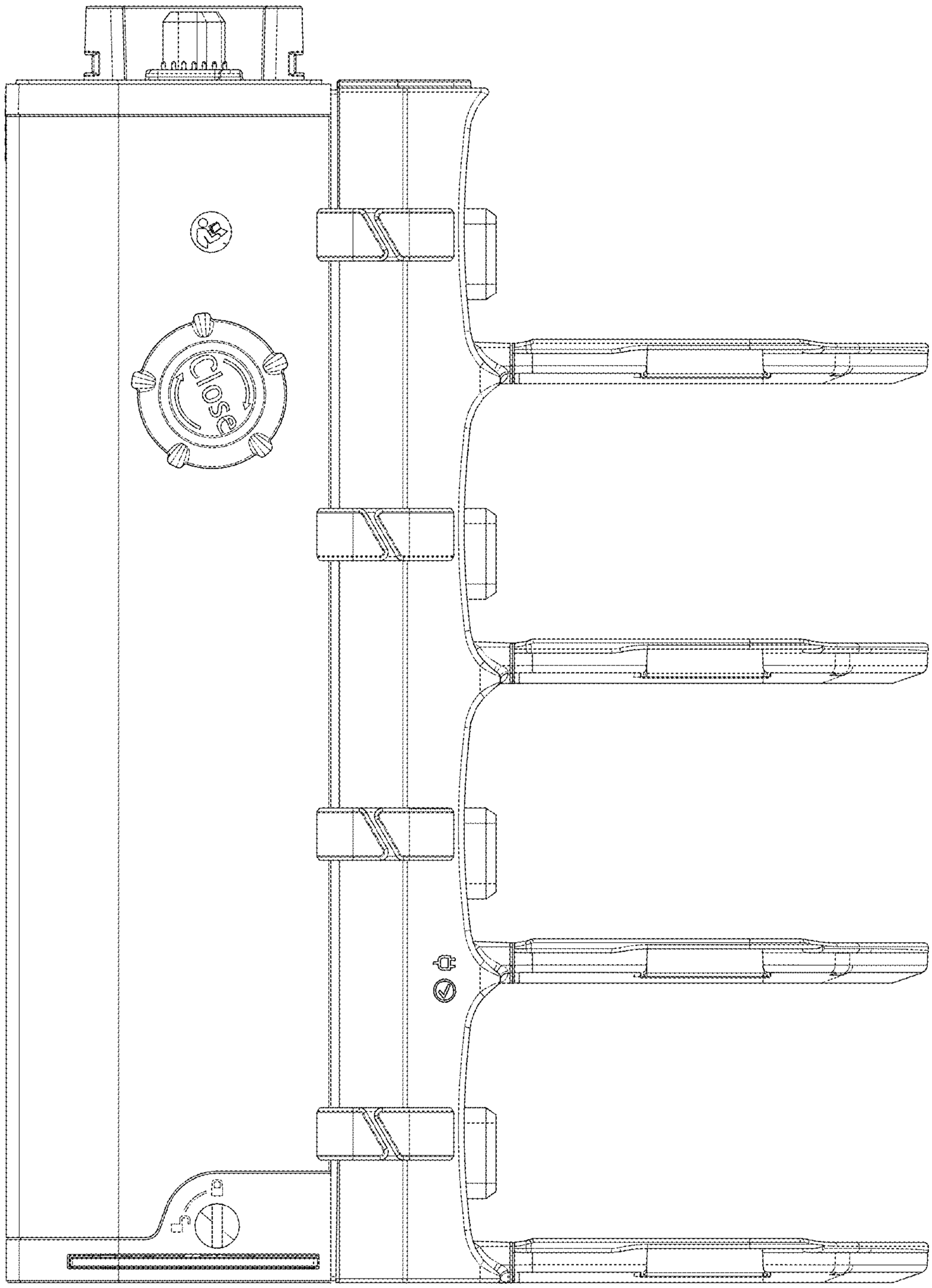


FIG. 5

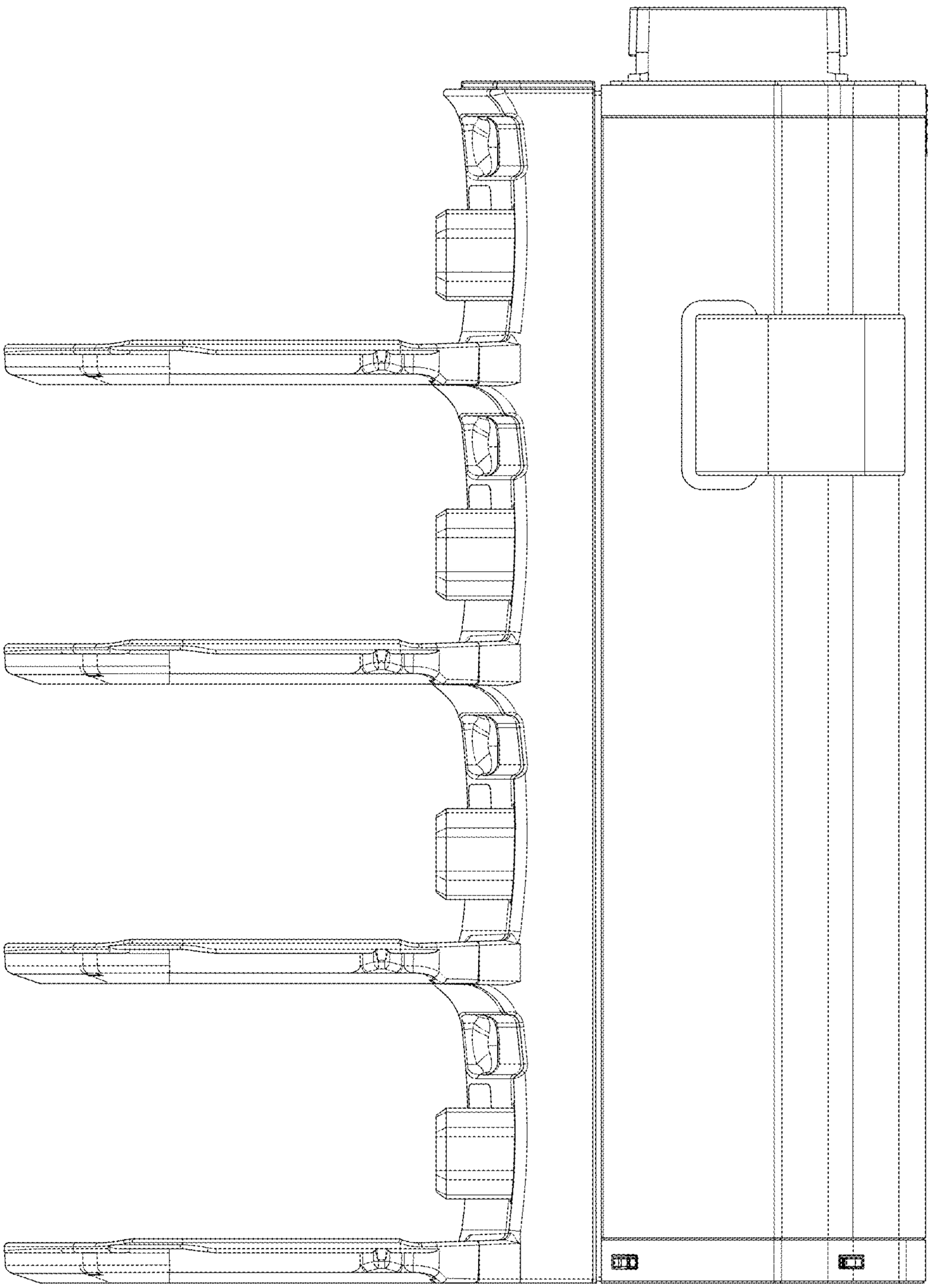


FIG. 6

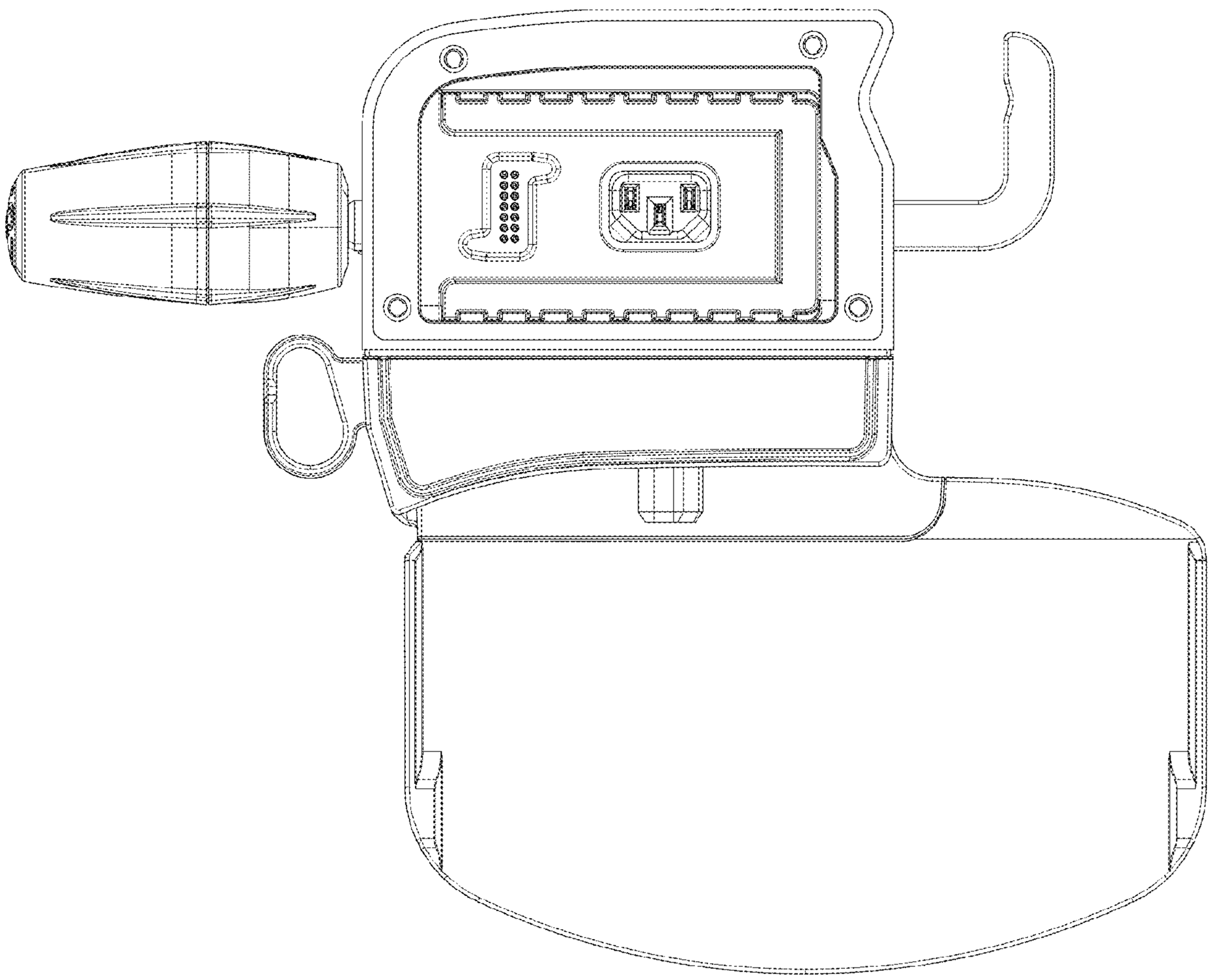


FIG. 7