



US00D877338S

(12) **United States Design Patent** (10) **Patent No.:** **US D877,338 S**
Jones et al. (45) **Date of Patent:** **** Mar. 3, 2020**

(54) **XRF ANALYZER** 8,989,352 B2 * 3/2015 Laws A61B 6/08
378/145
(71) Applicant: **Moxtek, Inc.**, Orem, UT (US) D769,447 S * 10/2016 Choumach D24/158
9,775,574 B2 10/2017 Jones
9,961,753 B2 5/2018 Jones
(72) Inventors: **Vincent Floyd Jones**, Cedar Hills, UT
(US); **Daniel N. Paas**, Spanish Fork,
UT (US) (Continued)

FOREIGN PATENT DOCUMENTS

(73) Assignee: **Moxtek, Inc.**, Orem, UT (US) EP 1686369 B1 12/2010
KR 10-2008-0098103 A 11/2008
(**) Term: **15 Years** (Continued)

(21) Appl. No.: **29/673,532** *Primary Examiner* — Anhdao Doan
(74) *Attorney, Agent, or Firm* — Thorpe, North &
Western, LLP
(22) Filed: **Dec. 14, 2018**

Related U.S. Application Data

(63) Continuation of application No. 15/936,082, filed on
Mar. 26, 2018, now Pat. No. 10,219,363, which is a
continuation of application No. 15/633,525, filed on
Jun. 26, 2017, now Pat. No. 9,961,753, which is a
continuation of application No. 14/615,134, filed on
Feb. 5, 2015, now Pat. No. 9,775,574.

(51) **LOC (12) Cl.** **24-01**
(52) **U.S. Cl.**
USPC **D24/158**

(58) **Field of Classification Search**
USPC D24/107, 158–161, 186; D10/78
CPC A61B 6/485; G01N 23/043; G01N 23/223;
G01N 2223/076; G01N 2223/0766; G01N
2223/301; G01B 15/02; H02J 7/0044
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D460,370 S * 7/2002 Price D10/78
6,459,767 B1 10/2002 Boyer
7,020,238 B1 3/2006 Kantonen et al.
7,375,359 B1 5/2008 Grodzins

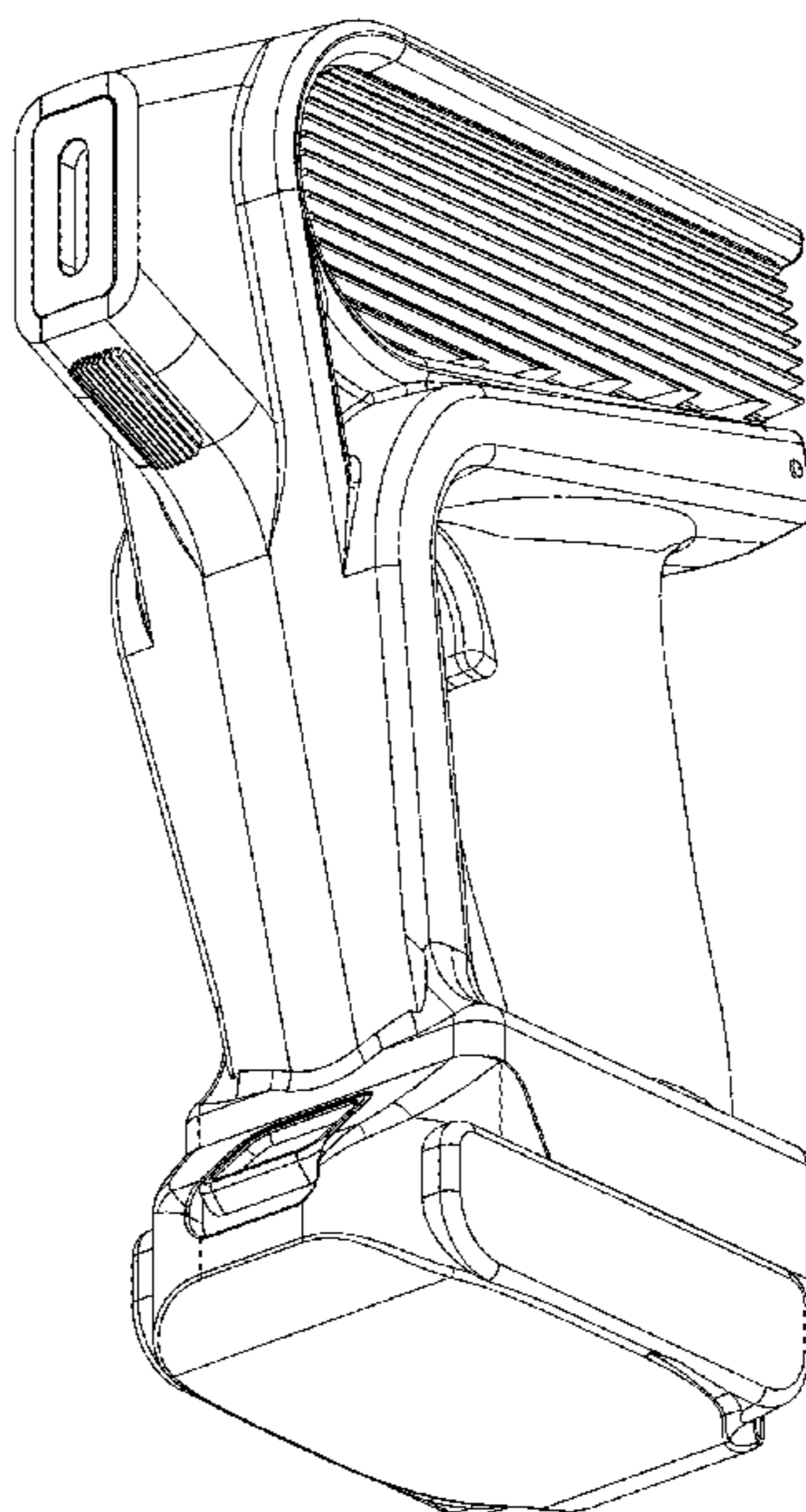
(57) **CLAIM**

The ornamental design for a XRF analyzer, as shown and
described.

DESCRIPTION

FIG. 1 is a perspective view of the XRF analyzer in
accordance with our invention;
FIG. 2 is a right side elevation view thereof;
FIG. 3 is a left side elevation view thereof;
FIG. 4 is a front elevation view thereof;
FIG. 5 is a rear elevation view thereof;
FIG. 6 is a top plan view thereof; and
FIG. 7 is a bottom plan view thereof;
FIG. 8 is a perspective view thereof without a battery;
FIG. 9 is a right side elevation view thereof without the
battery;
FIG. 10 is a left side elevation view thereof without the
battery;
FIG. 11 is a front elevation view thereof without the battery;
FIG. 12 is a rear elevation view thereof without the battery;
FIG. 13 is a top plan view thereof without the battery; and,
FIG. 14 is a bottom plan view thereof without the battery.

1 Claim, 14 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D832,725 S * 11/2018 Hagerty D10/78
2006/0098779 A1 5/2006 Turner
2007/0230659 A1 10/2007 Turner
2009/0057582 A1 3/2009 Dugas et al.
2009/0129550 A1 5/2009 Brandy et al.
2010/0226476 A1 9/2010 Pesce et al.
2013/0003923 A1 1/2013 Sackett
2013/0156155 A1 6/2013 Hession-Kunz et al.
2014/0301533 A1 10/2014 Failla, Jr. et al.
2015/0308968 A1* 10/2015 Jones G01N 23/223
378/45

FOREIGN PATENT DOCUMENTS

WO WO 2005/010514 A1 2/2005
WO WO 2015/167638 A1 11/2015

* cited by examiner

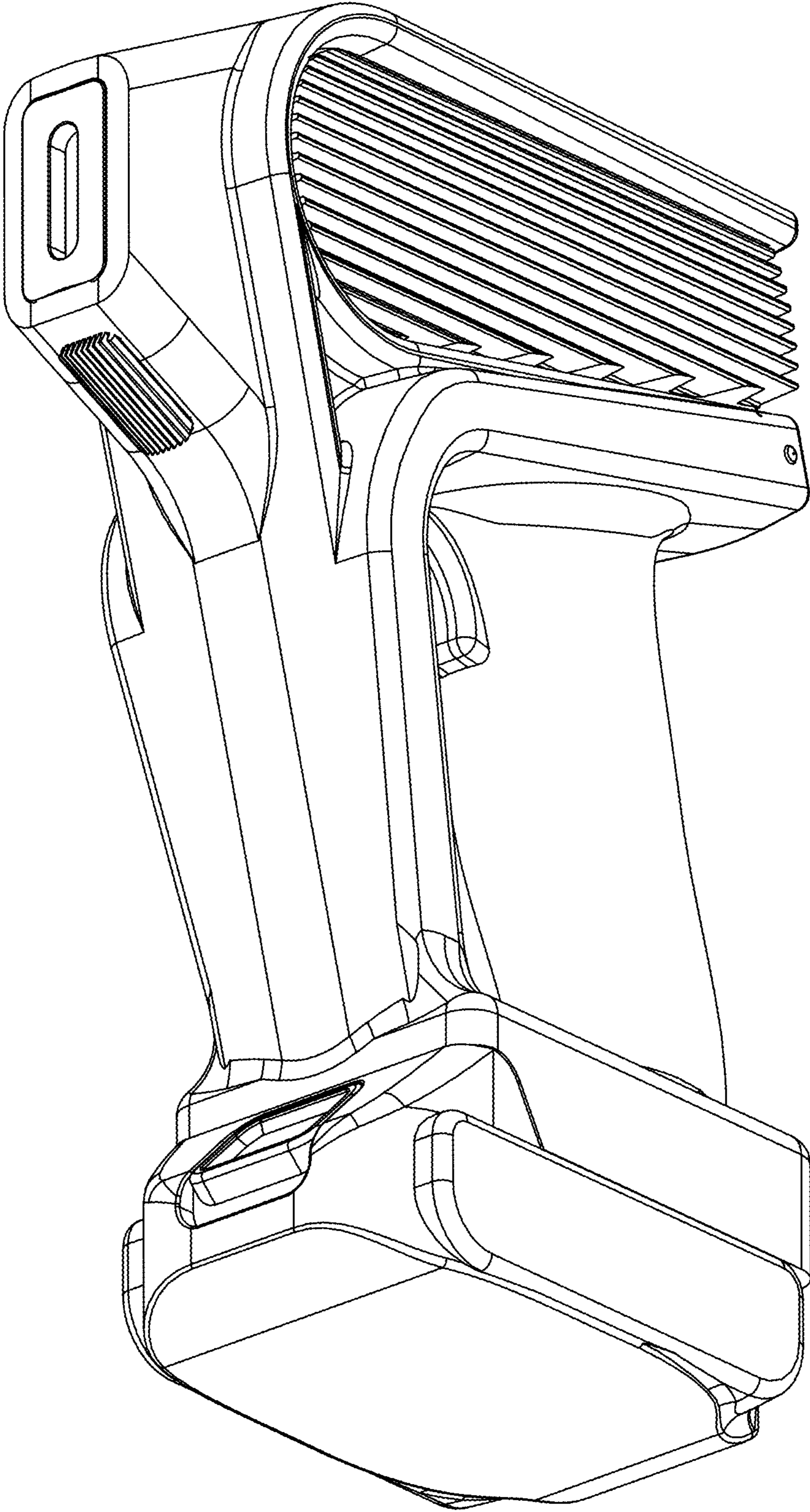


FIG. 1

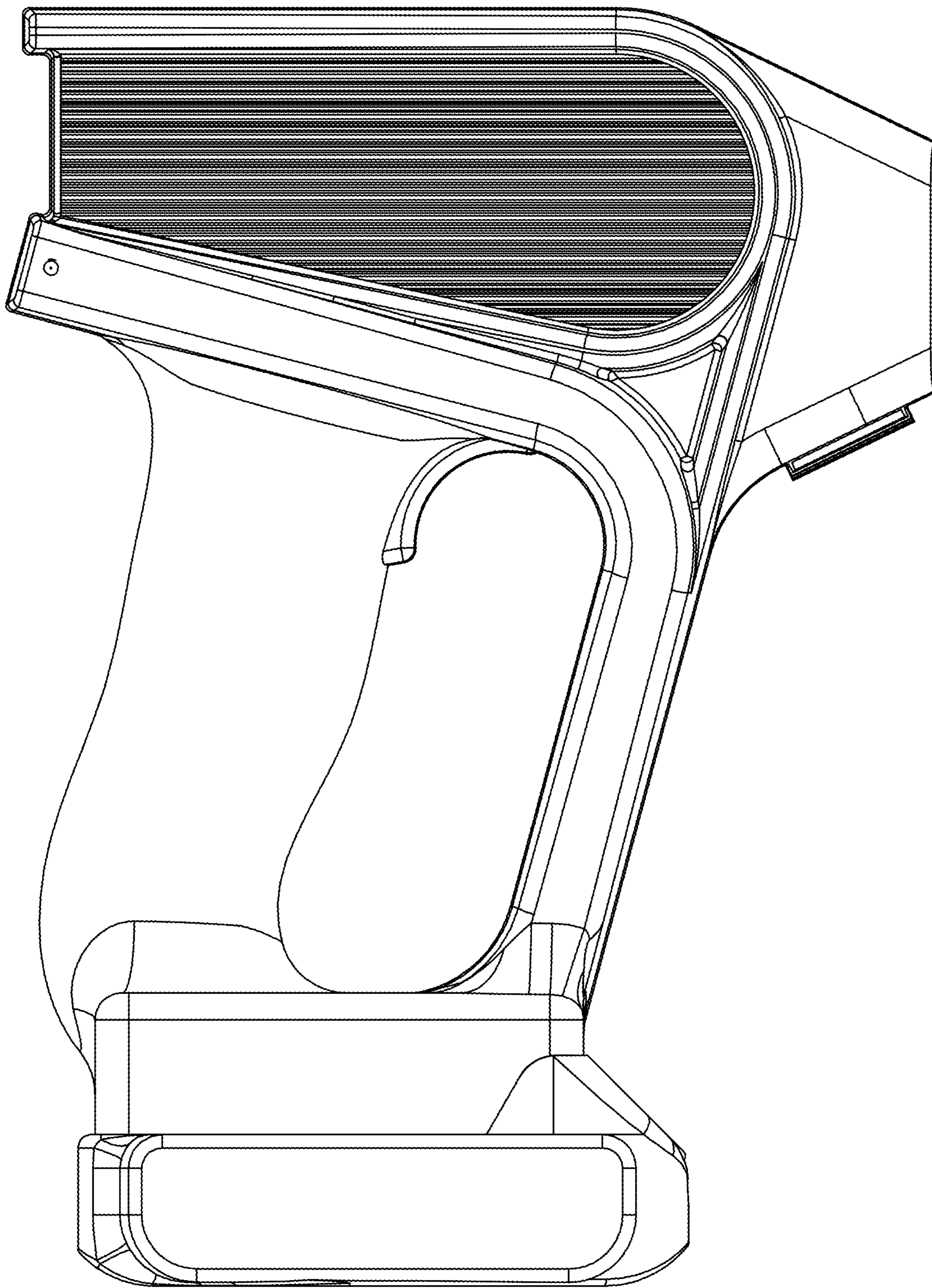


FIG. 2

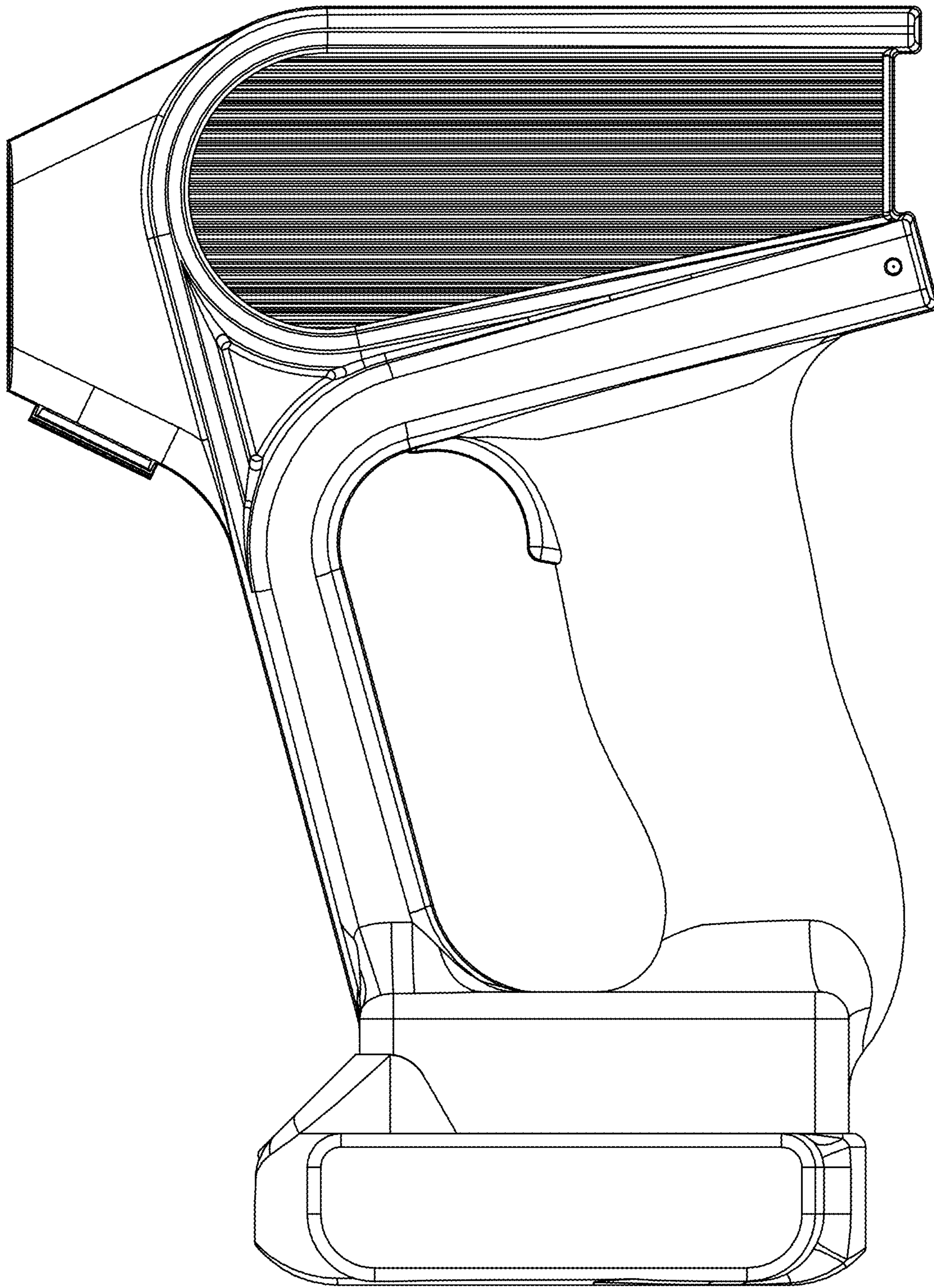


FIG. 3

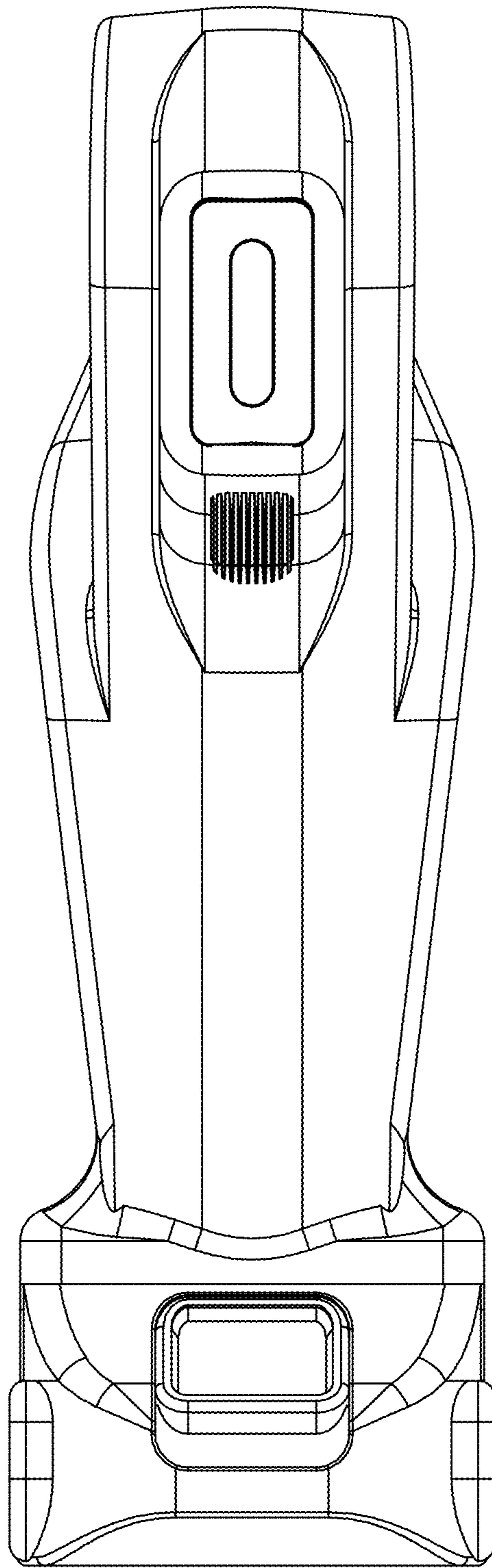


FIG. 4

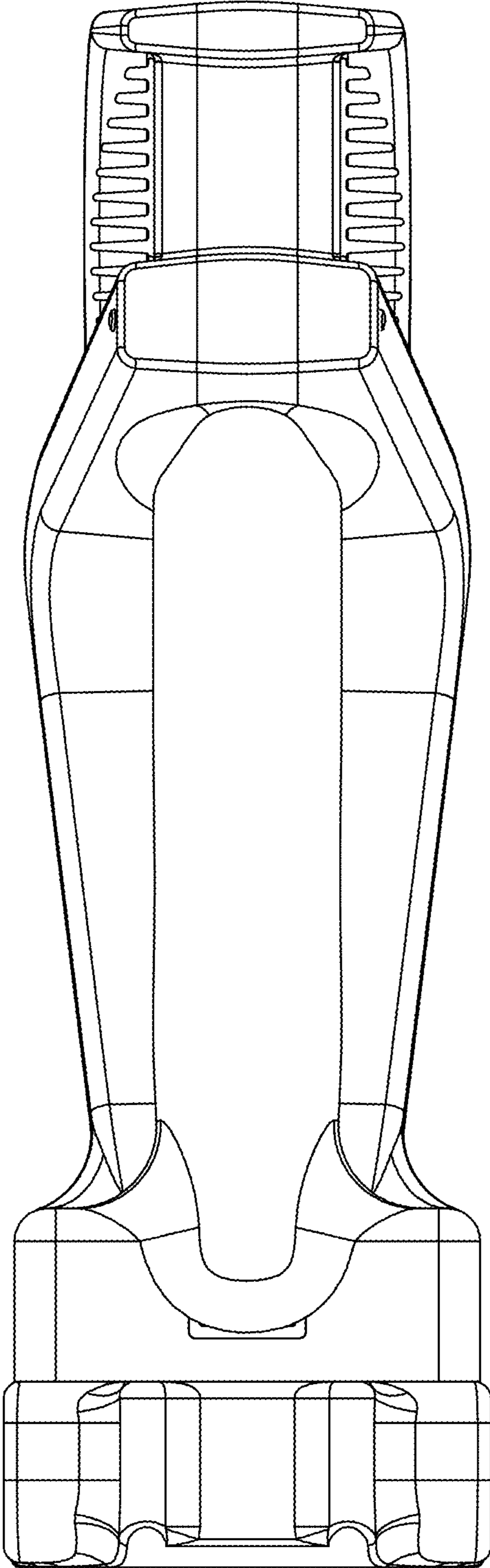


FIG. 5

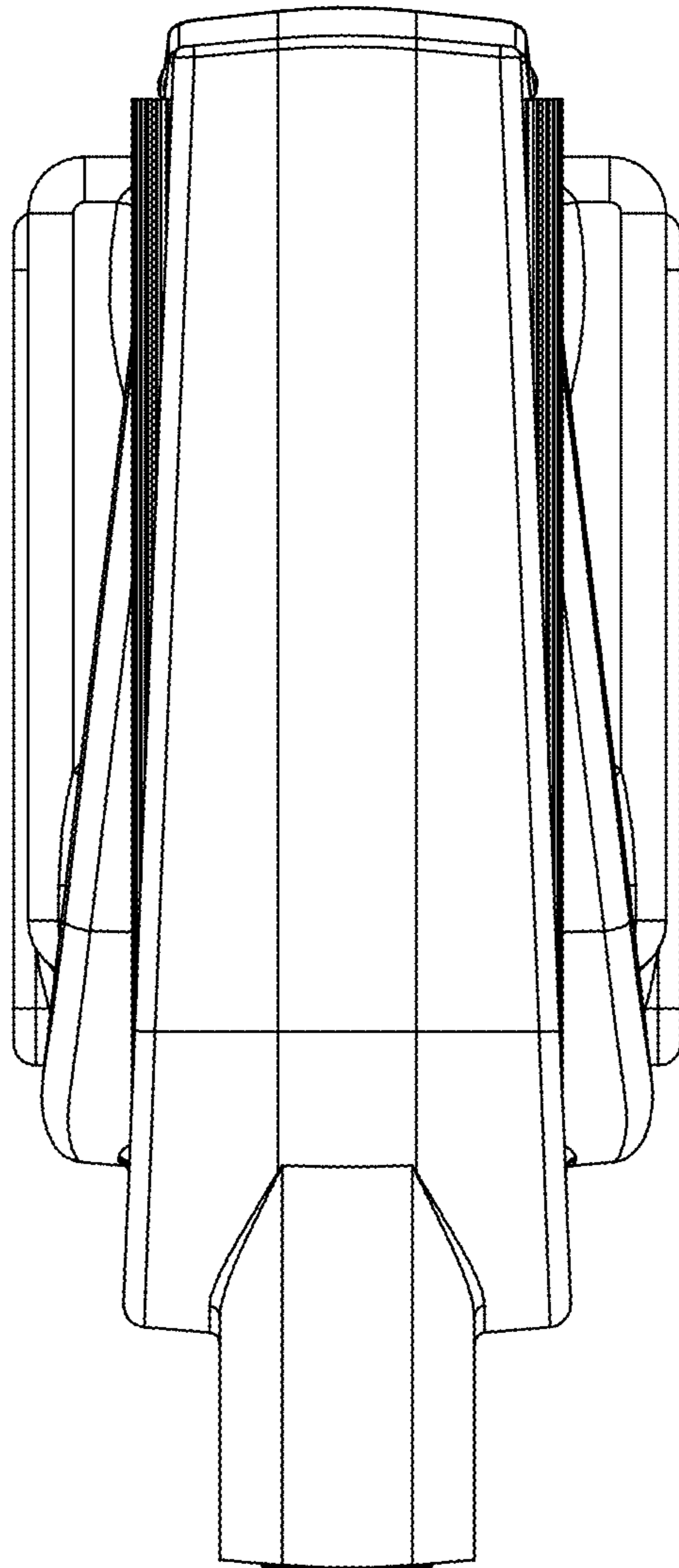


FIG. 6

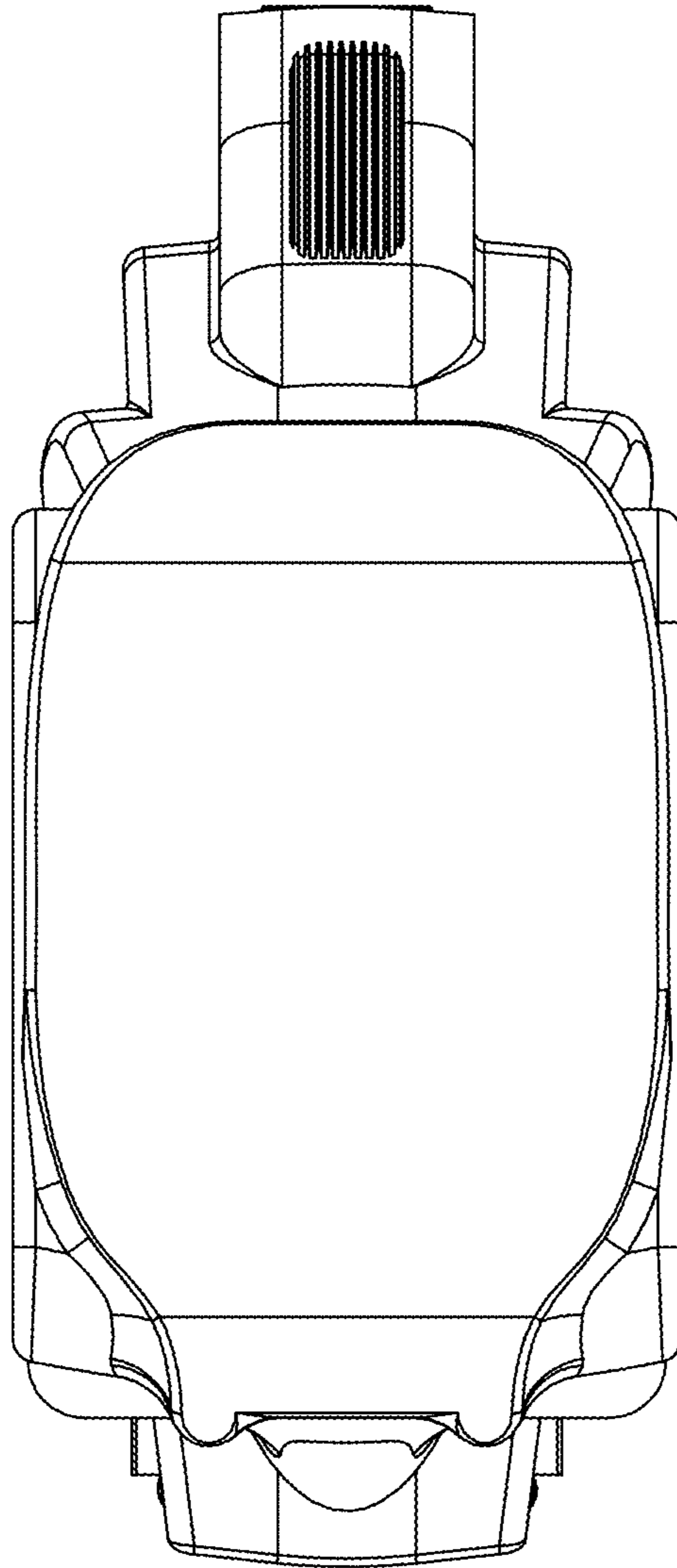


FIG. 7

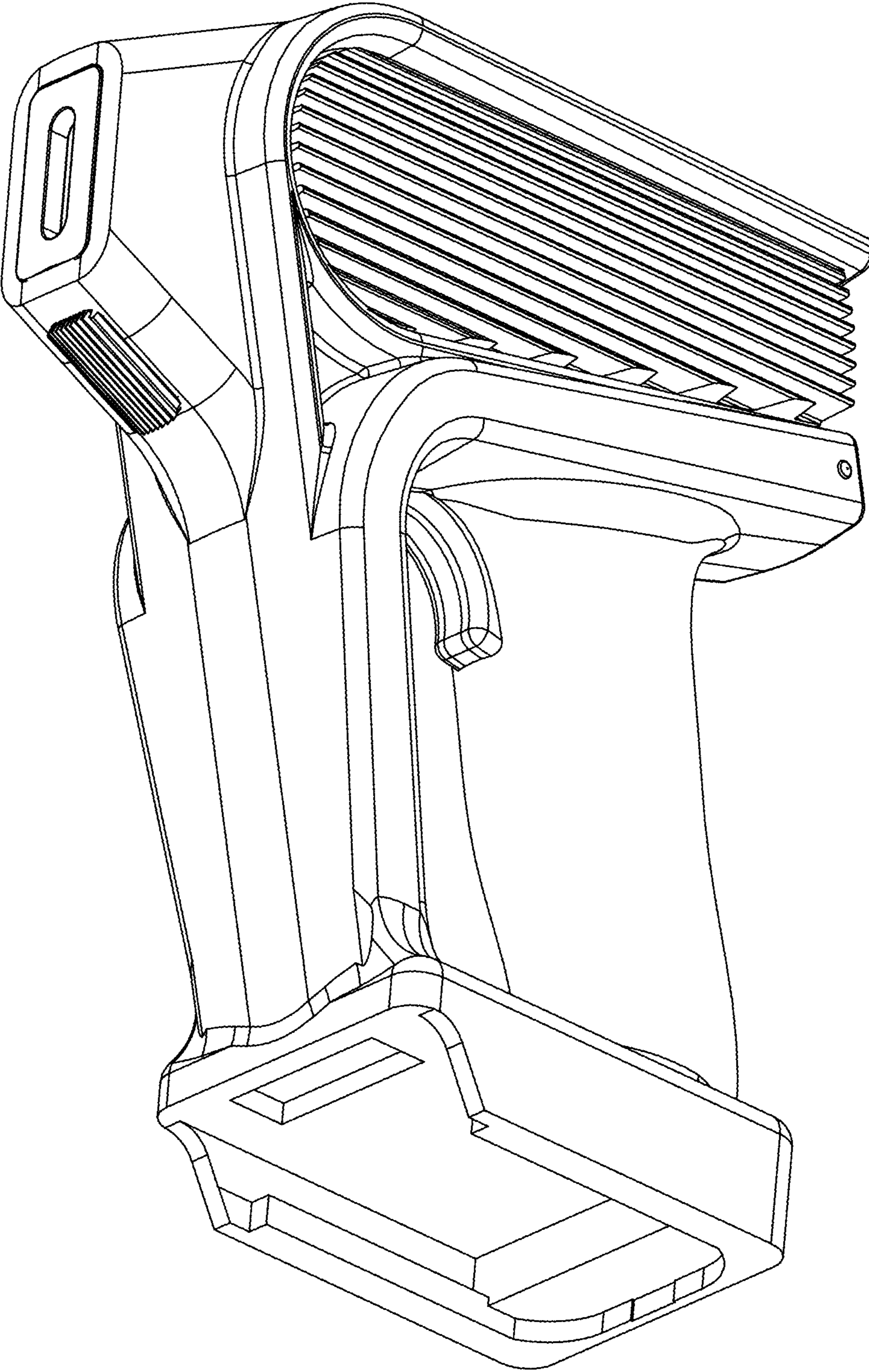


FIG. 8

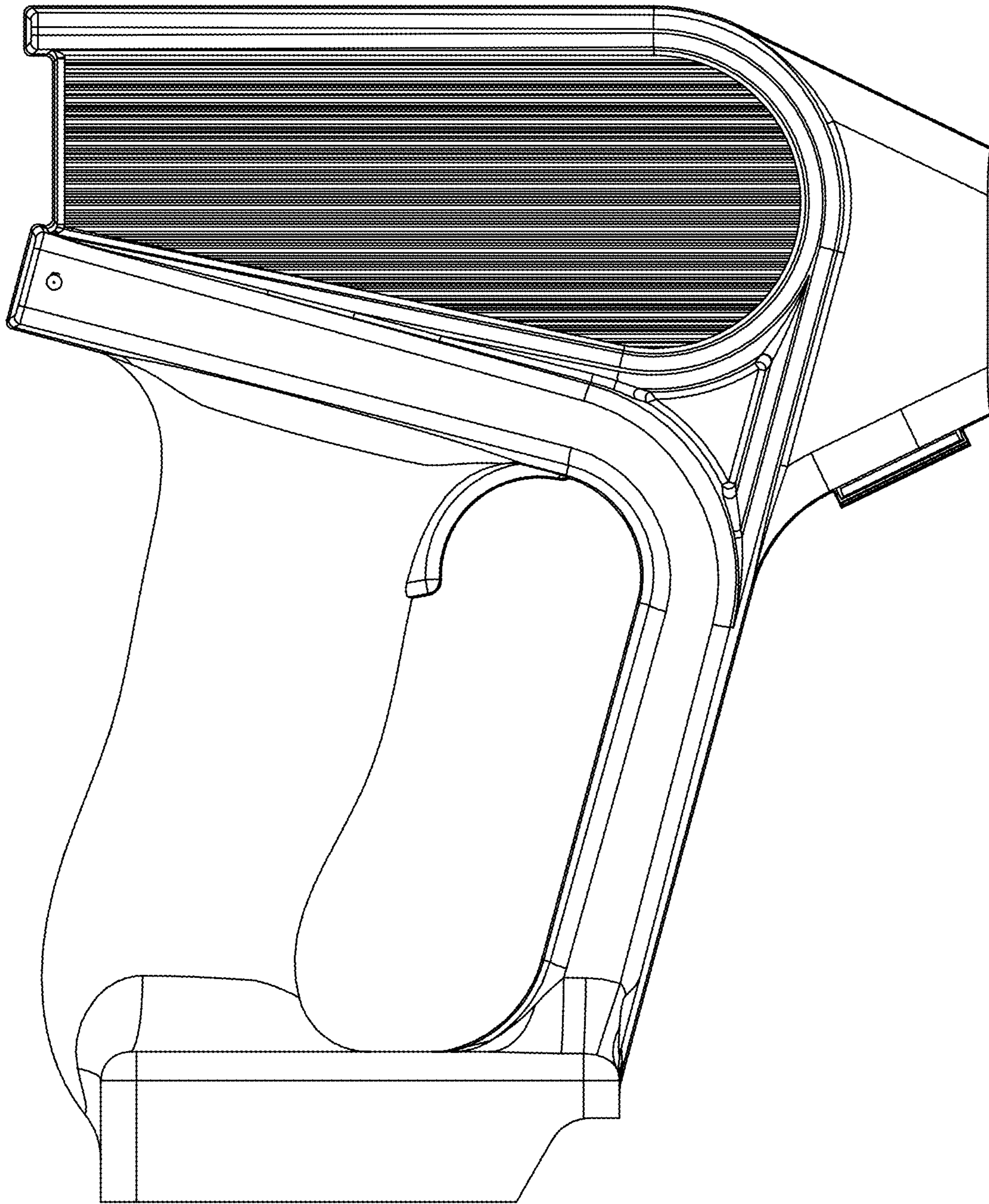


FIG. 9

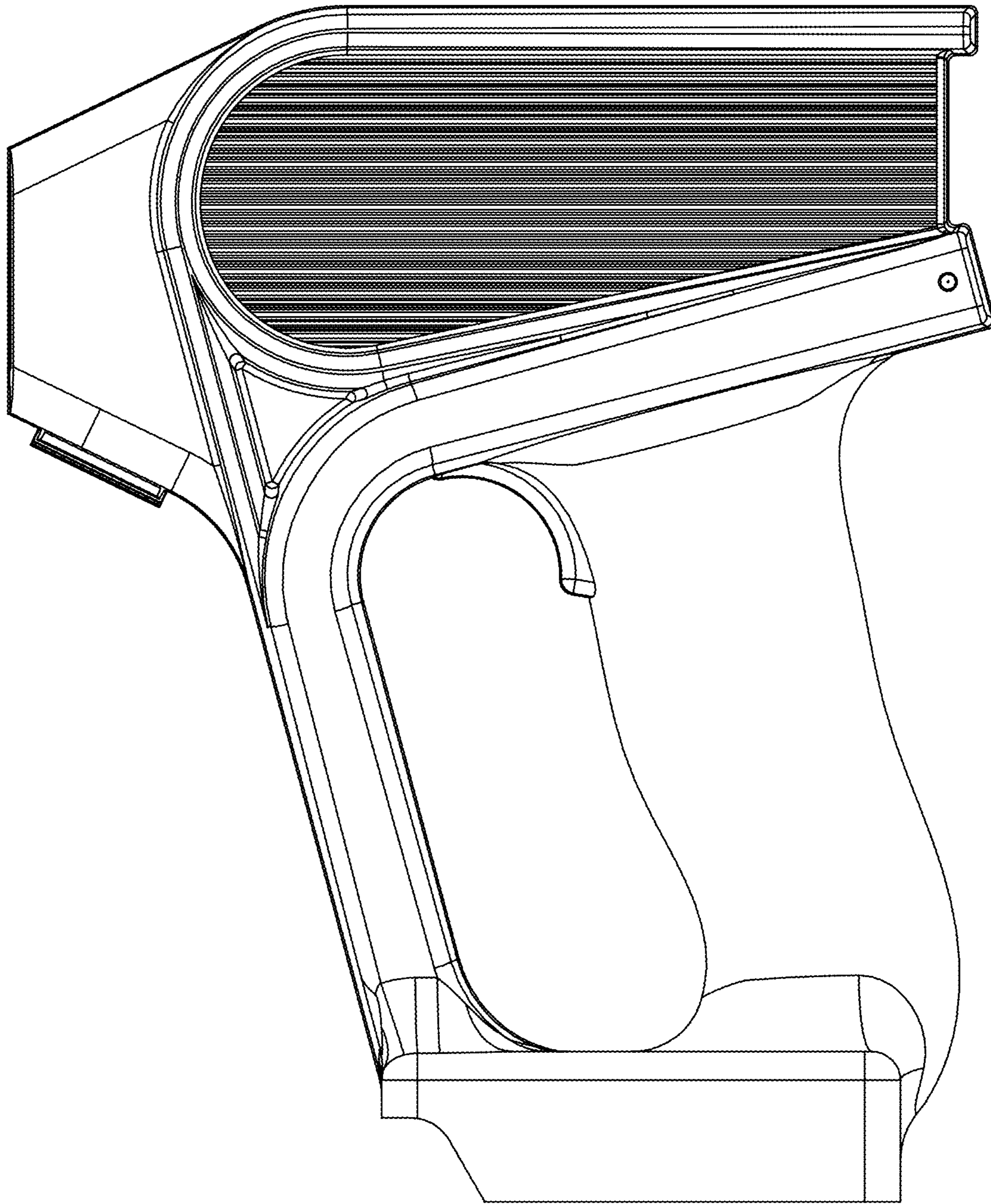


FIG. 10

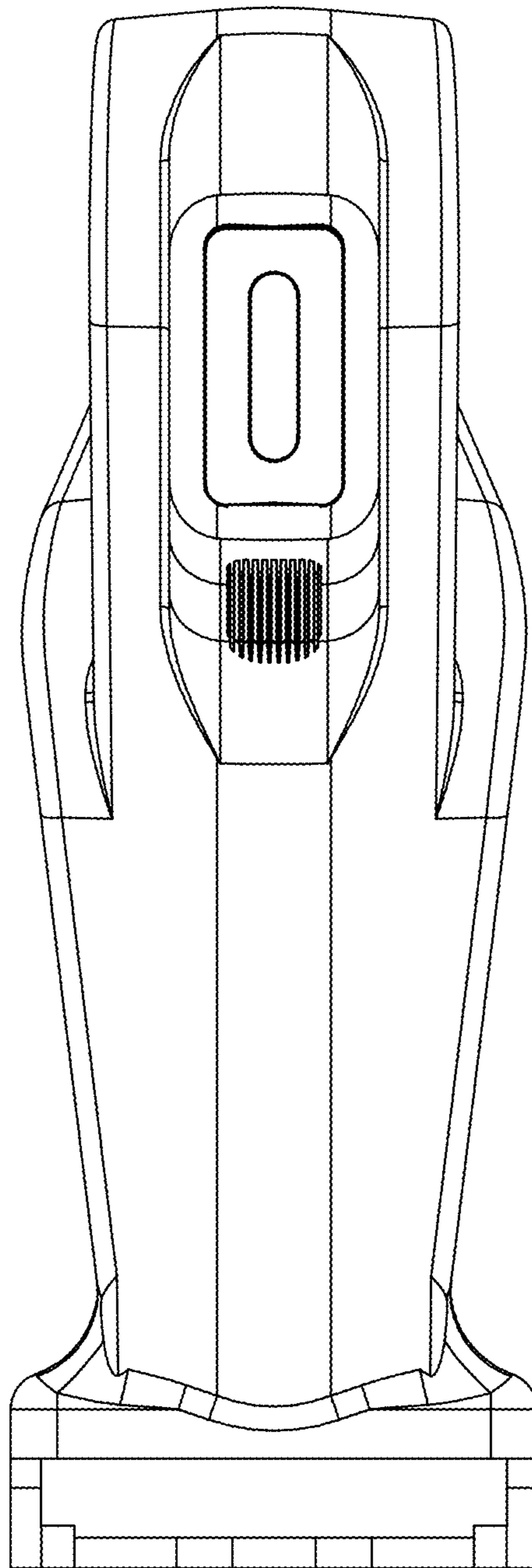


FIG. 11

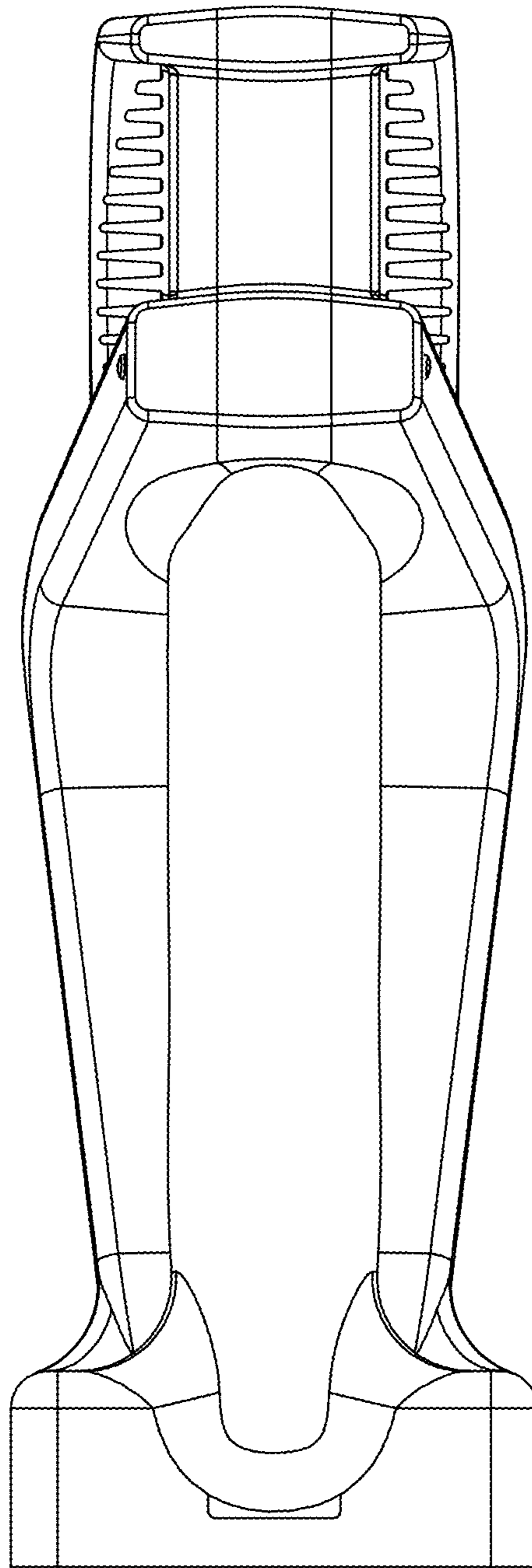


FIG. 12

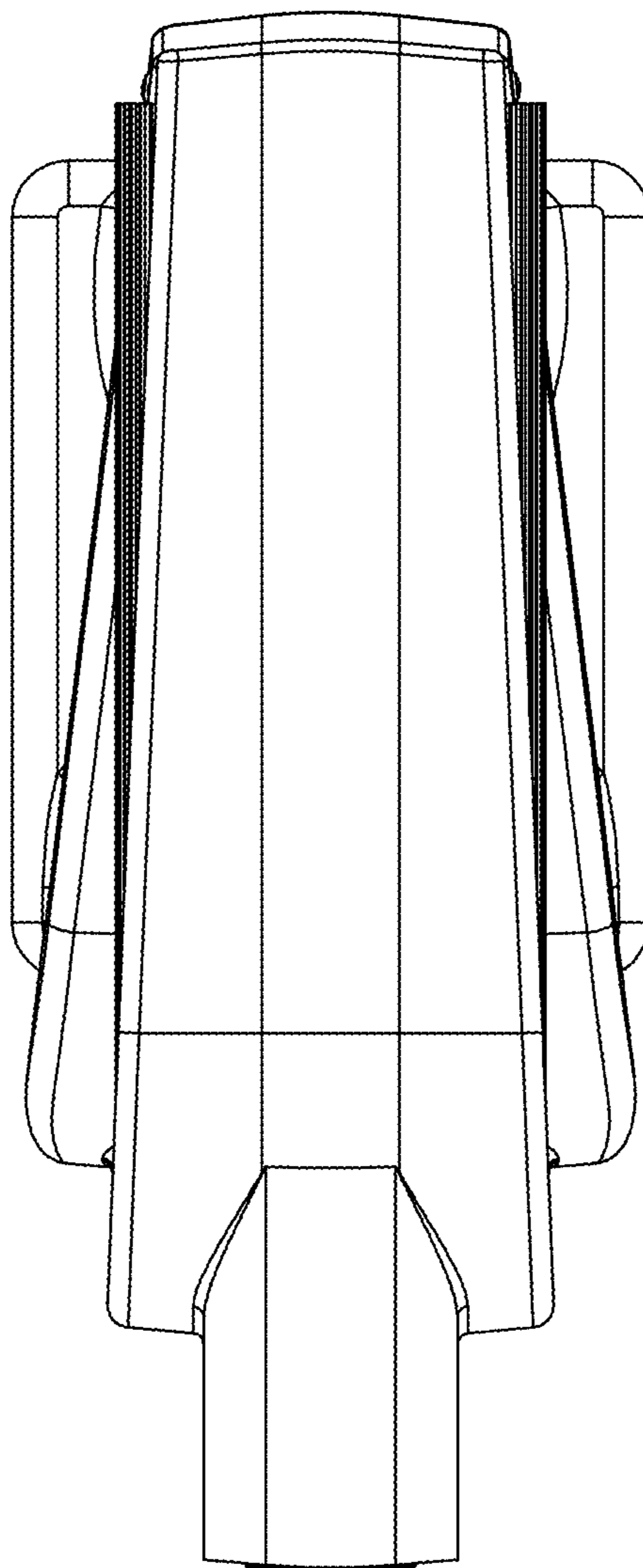


FIG. 13

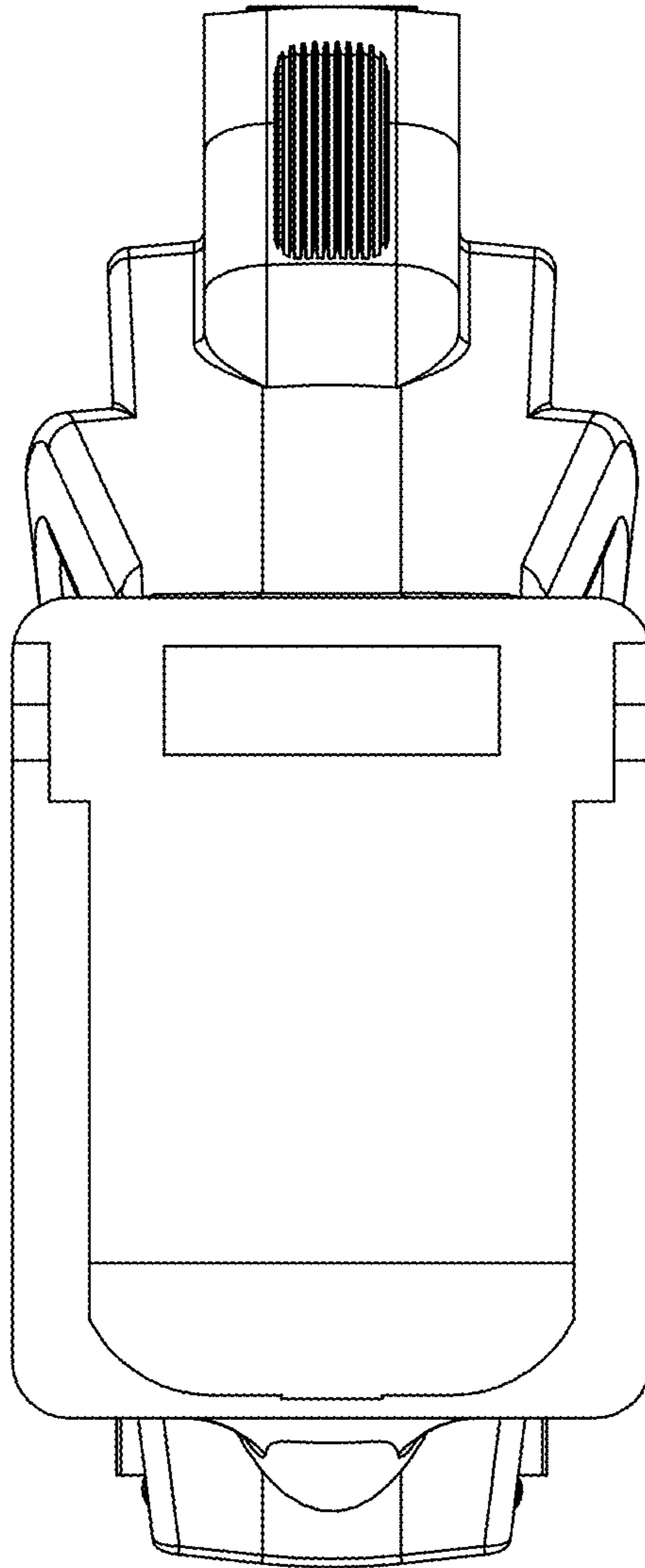


FIG. 14