



US00D926241S

(12) **United States Design Patent** (10) **Patent No.:** **US D926,241 S**
Li (45) **Date of Patent:** **** Jul. 27, 2021**

(54) **METAL MELTING FURNACE**

(71) Applicant: **Yewei Li**, Shenzhen (CN)

(72) Inventor: **Yewei Li**, Shenzhen (CN)

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

(21) Appl. No.: **29/747,679**

(22) Filed: **Aug. 24, 2020**

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

(52) **U.S. Cl.**
USPC **D15/144.1**

(58) **Field of Classification Search**
USPC D15/144, 144.1, 144.2
CPC B22D 35/00; B22D 41/14; C22B 21/0084;
C23C 2/00; F27B 14/10; F27B 17/005
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 1,573,535 A * 2/1926 Bellis F27B 14/10
432/197
- 1,639,380 A * 8/1927 Luthy F27B 14/10
432/93
- 2,925,636 A * 2/1960 Darby F27B 14/06
164/514
- D201,523 S * 6/1965 Ziegelmaier D15/144.1
- 3,211,443 A * 10/1965 Starner C22B 21/0084
266/236
- 4,844,426 A * 7/1989 Barnes C22B 21/0084
266/219
- 5,498,852 A * 3/1996 Cress F27B 17/02
108/110
- D460,091 S * 7/2002 Mizuno D15/144.1
- D484,897 S * 1/2004 Hohenshelt D15/144.1
- D496,671 S * 9/2004 Nanto D15/144.2
- D528,573 S * 9/2006 Aoki D15/144.1
- D529,058 S * 9/2006 Aoki D15/144.1
- 7,611,664 B2 * 11/2009 Mizuno B22D 41/00
164/337

- D839,327 S * 1/2019 Kodama D15/144
- 2004/0115583 A1 * 6/2004 Hohenshelt F27B 17/005
432/156
- 2006/0121404 A1 * 6/2006 Alipour F27D 9/00
432/156
- 2007/0152387 A1 * 7/2007 Ukaji B22D 41/00
266/236
- 2010/0301073 A1 * 12/2010 Kim B22D 41/00
222/597

(Continued)

OTHER PUBLICATIONS

“FASTTOBUY 6 KG Propane Melting Furnace Kit w Graphite Crucible and Tongs 1300° C. /2372° F. Casting Refining Smelting for Precious Metals Gold Silver Tin Aluminum 7-in-1 Melting Casting Tool”, Retrieved Aug. 24, 2020. Retrieved from Internet, <https://www.amazon.com/FASTTOBUY-Graphite-Crucible-Refining-Smelting/dp/B082V9MTKQ/>.

(Continued)

Primary Examiner — Patricia A Palasik

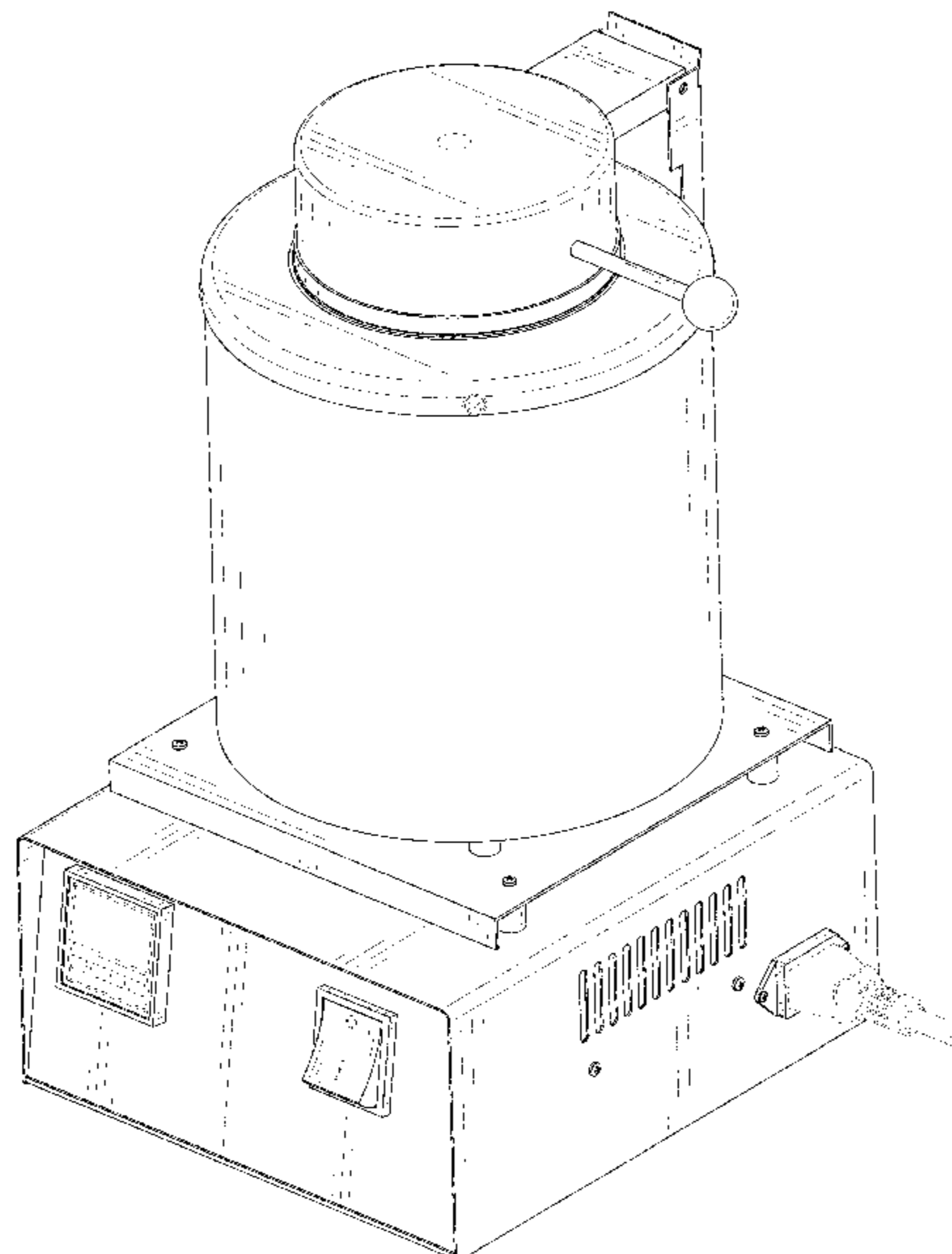
(57) **CLAIM**

The ornamental design for a metal melting furnace, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a metal melting furnace showing my new design;
FIG. 2 is another perspective view thereof;
FIG. 3 is a front elevational view thereof;
FIG. 4 is a rear elevational view thereof;
FIG. 5 is a left side elevational view thereof;
FIG. 6 is a right side elevational view thereof;
FIG. 7 is a top plan view thereof; and,
FIG. 8 is a bottom plan view thereof.
The broken lines in the drawings depict portions of the metal melting furnace that form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2014/0054832 A1* 2/2014 Yu F27D 17/004
266/236
2015/0136581 A1* 5/2015 Aupperle C10B 25/20
202/93
2016/0040936 A1* 2/2016 Amusin F27B 14/10
75/708
2020/0171565 A1* 6/2020 Zhang B22D 18/08
2020/0173723 A1* 6/2020 Moon C22B 34/1295
2021/0138539 A1* 5/2021 Kulawik B22D 41/12

OTHER PUBLICATIONS

“Lyman Big Dipper Casting Furnace”, Retrieved Aug. 24, 2020.
Retrieved from Internet, <https://www.amazon.com/Lyman-Big-Dipper-Casting-Furnace/dp/B0037NA7ZA/>.

* cited by examiner

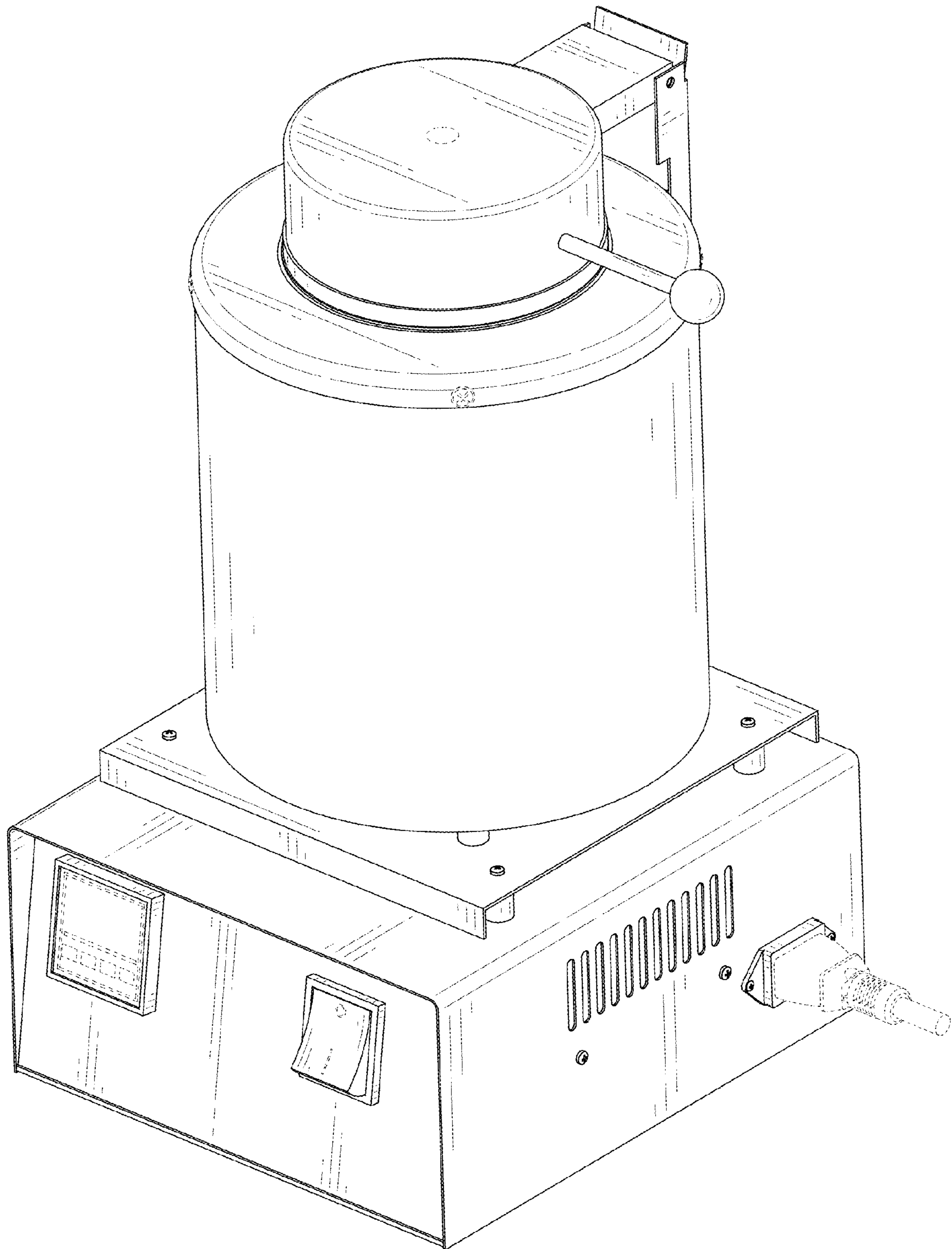


FIG. 1

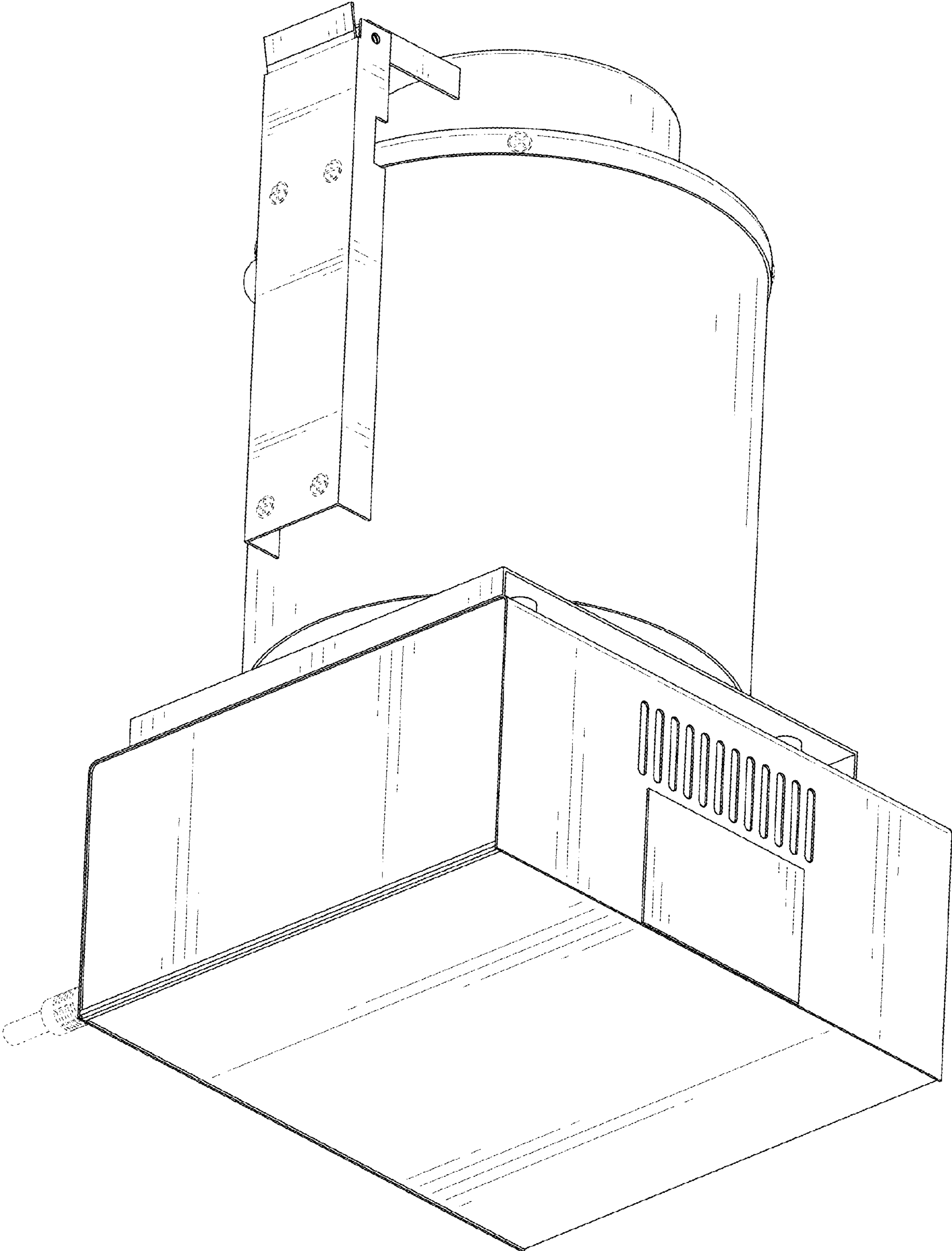


FIG. 2

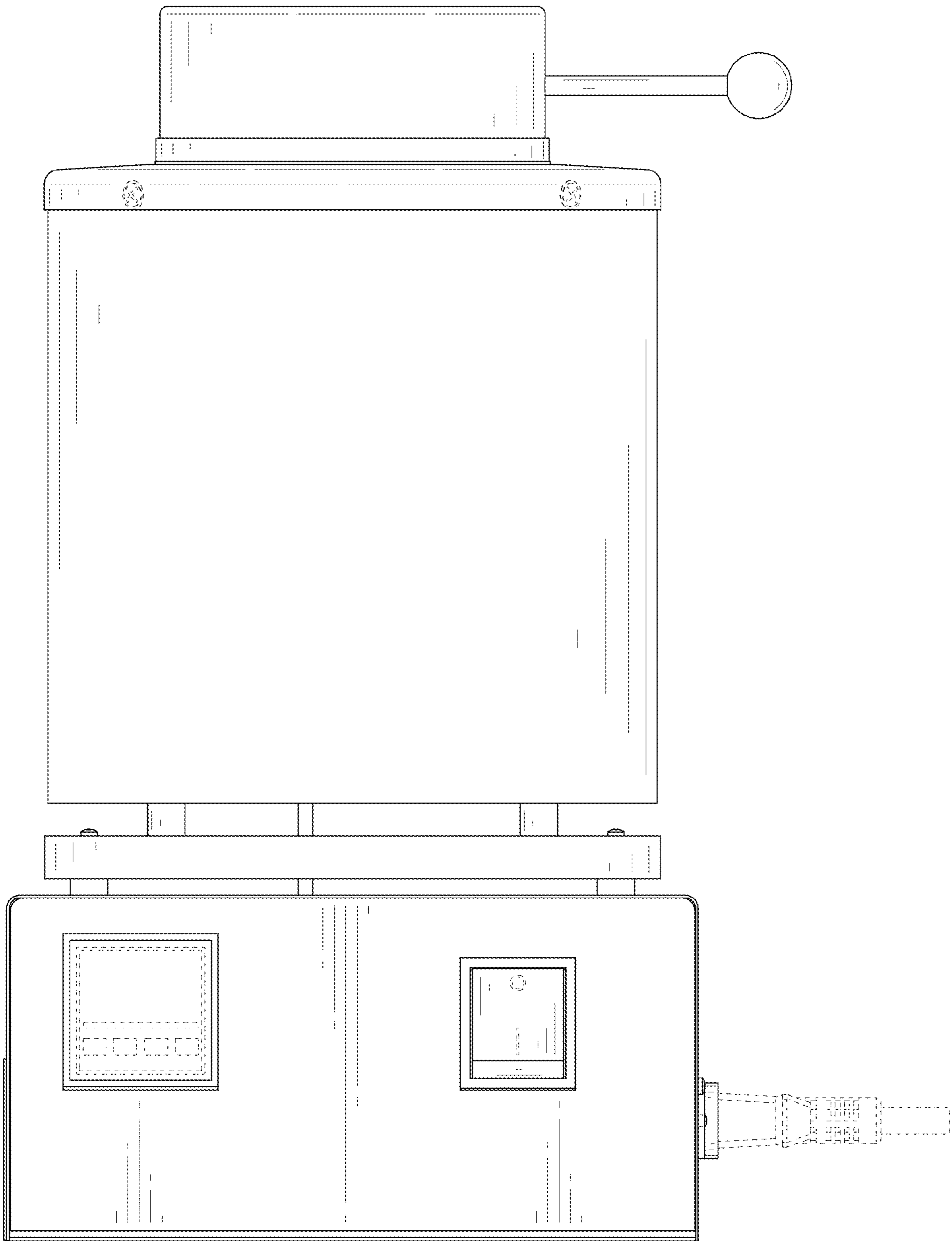


FIG. 3

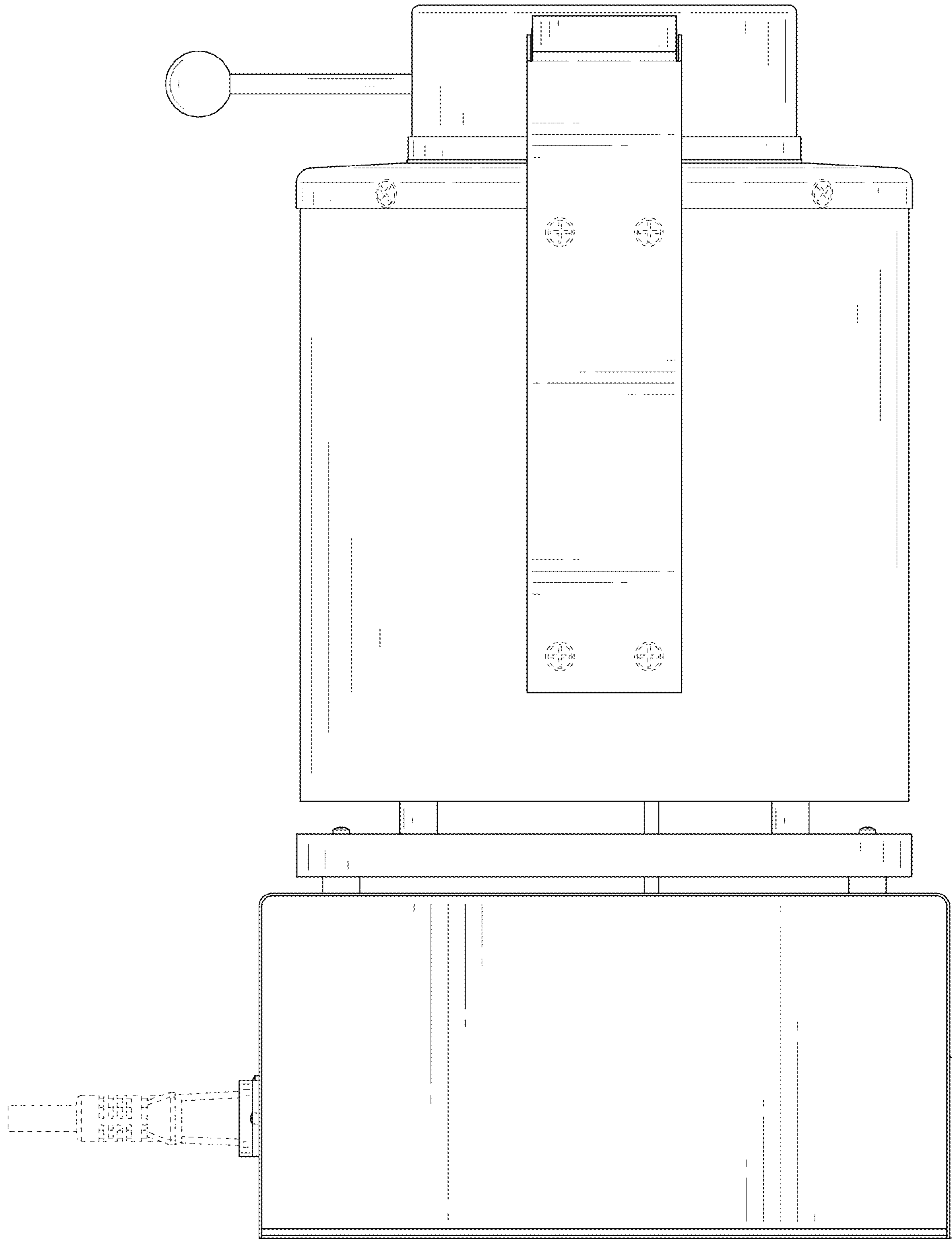


FIG. 4

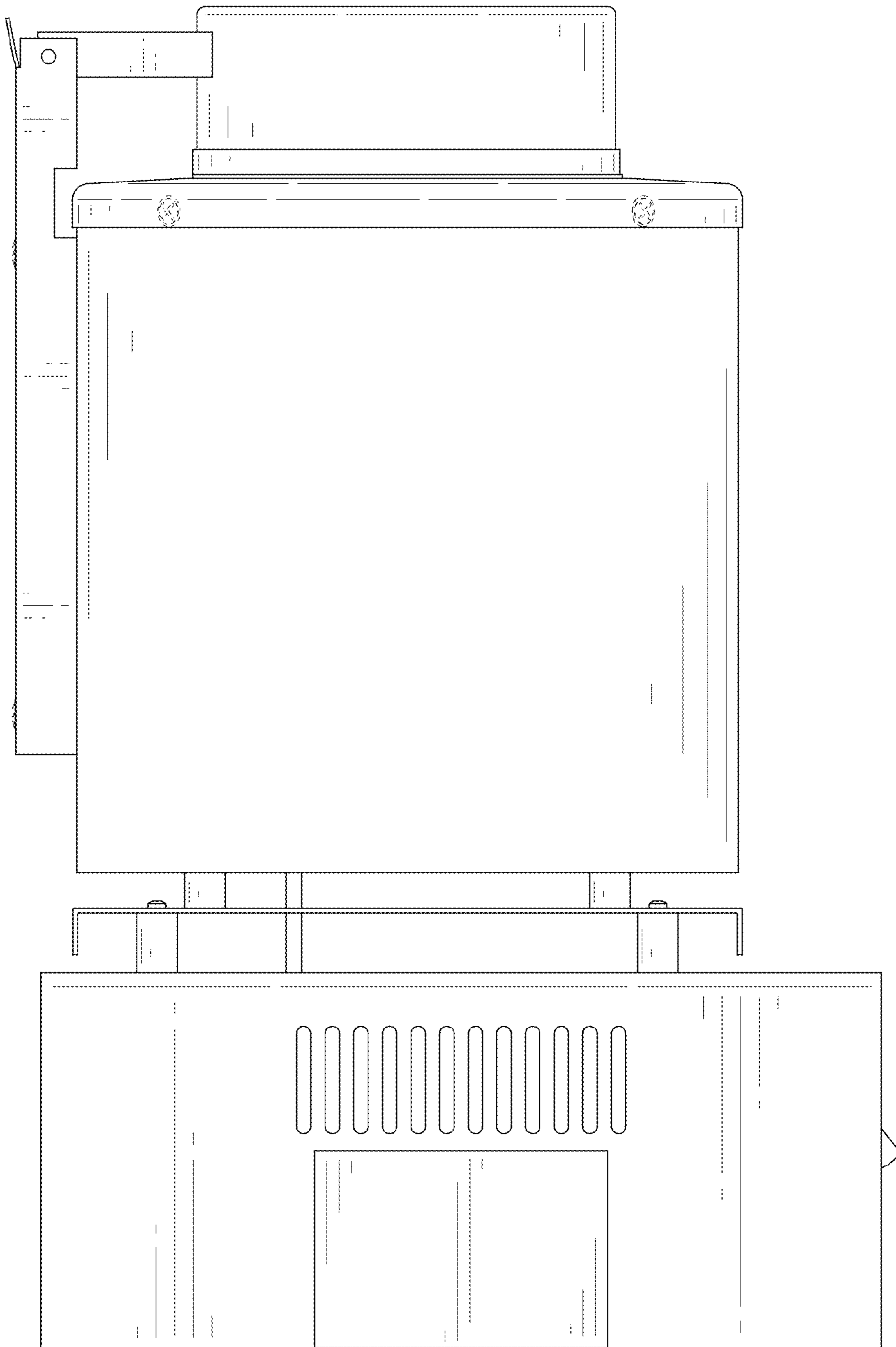


FIG. 5

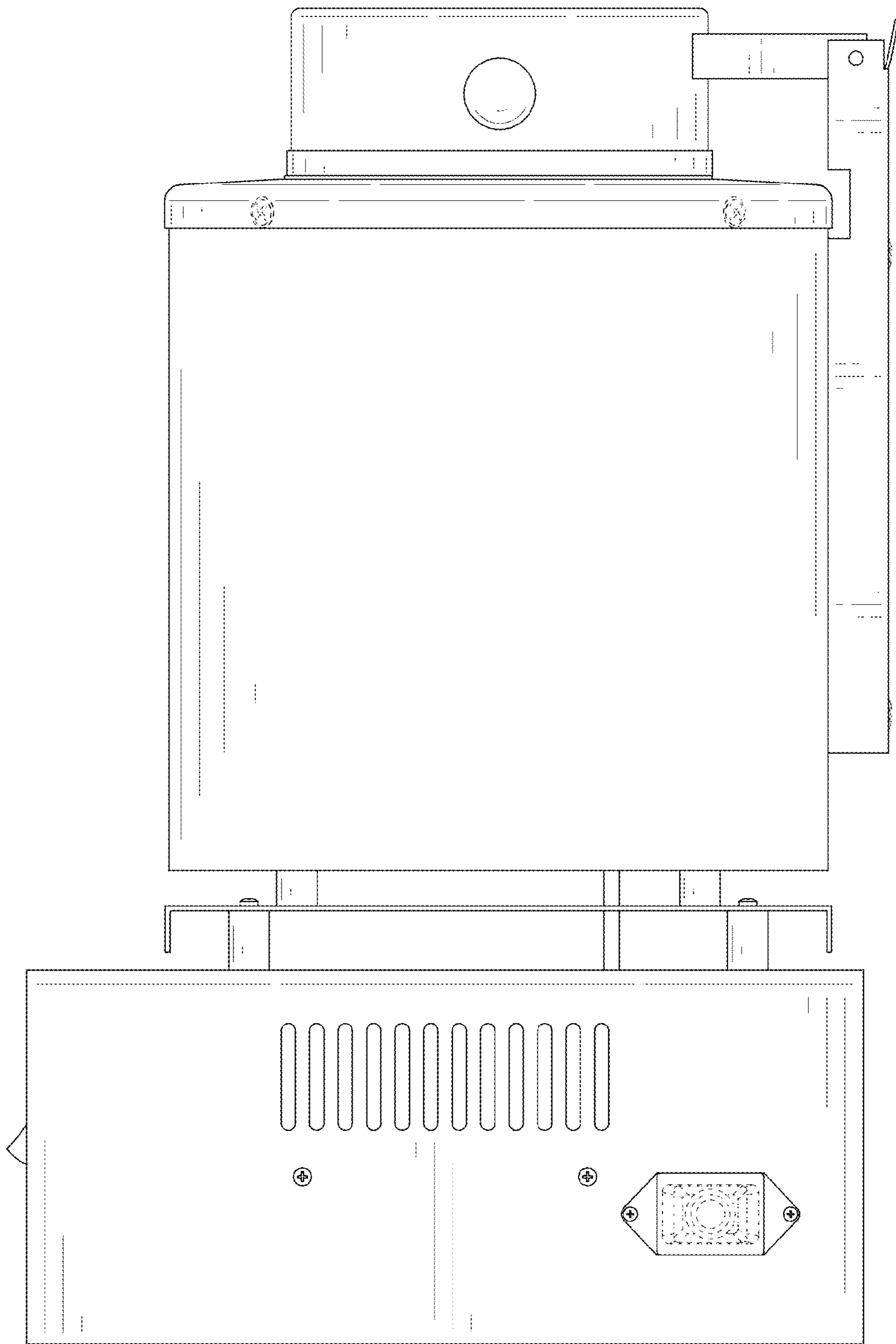


FIG. 6

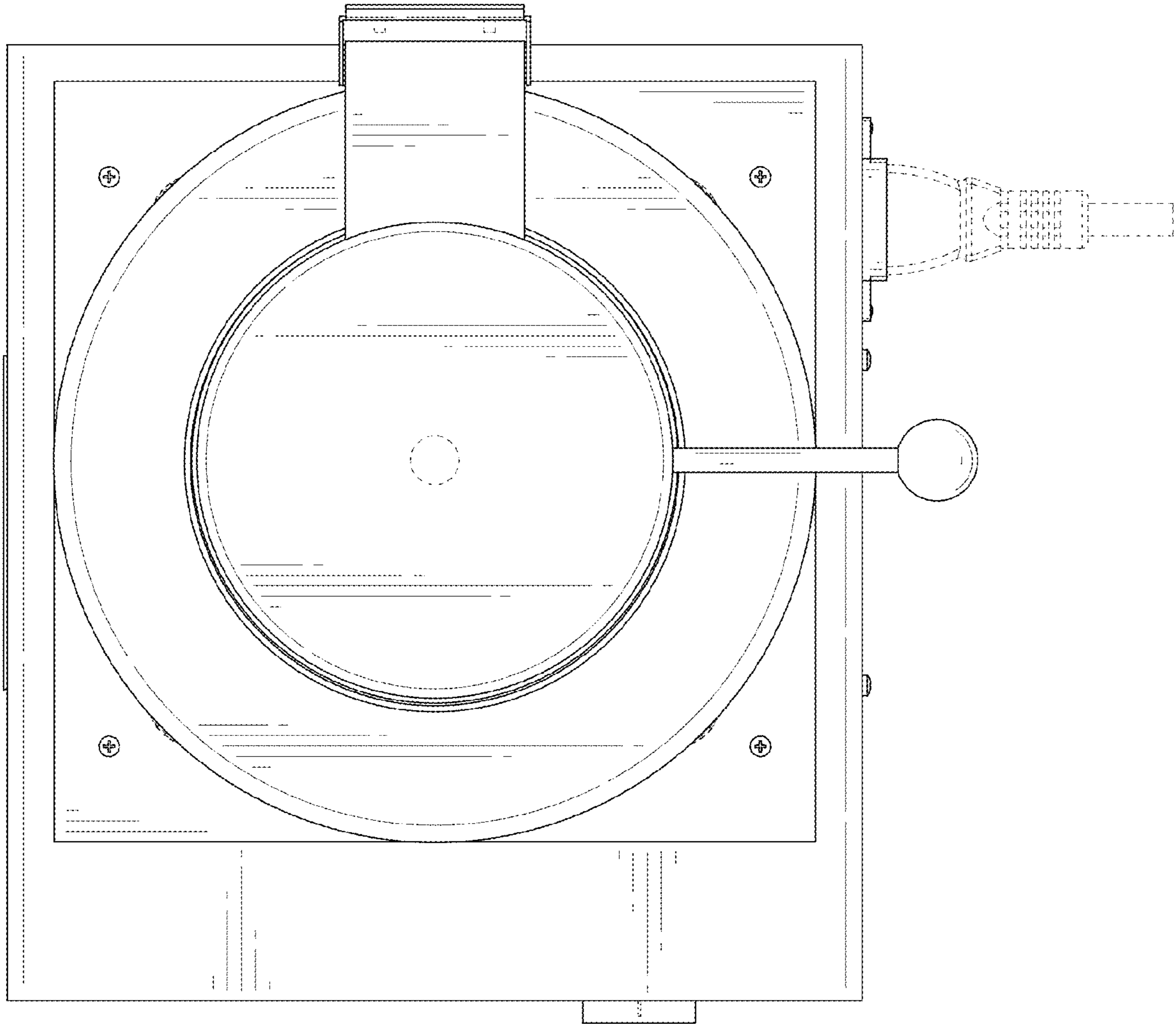


FIG. 7

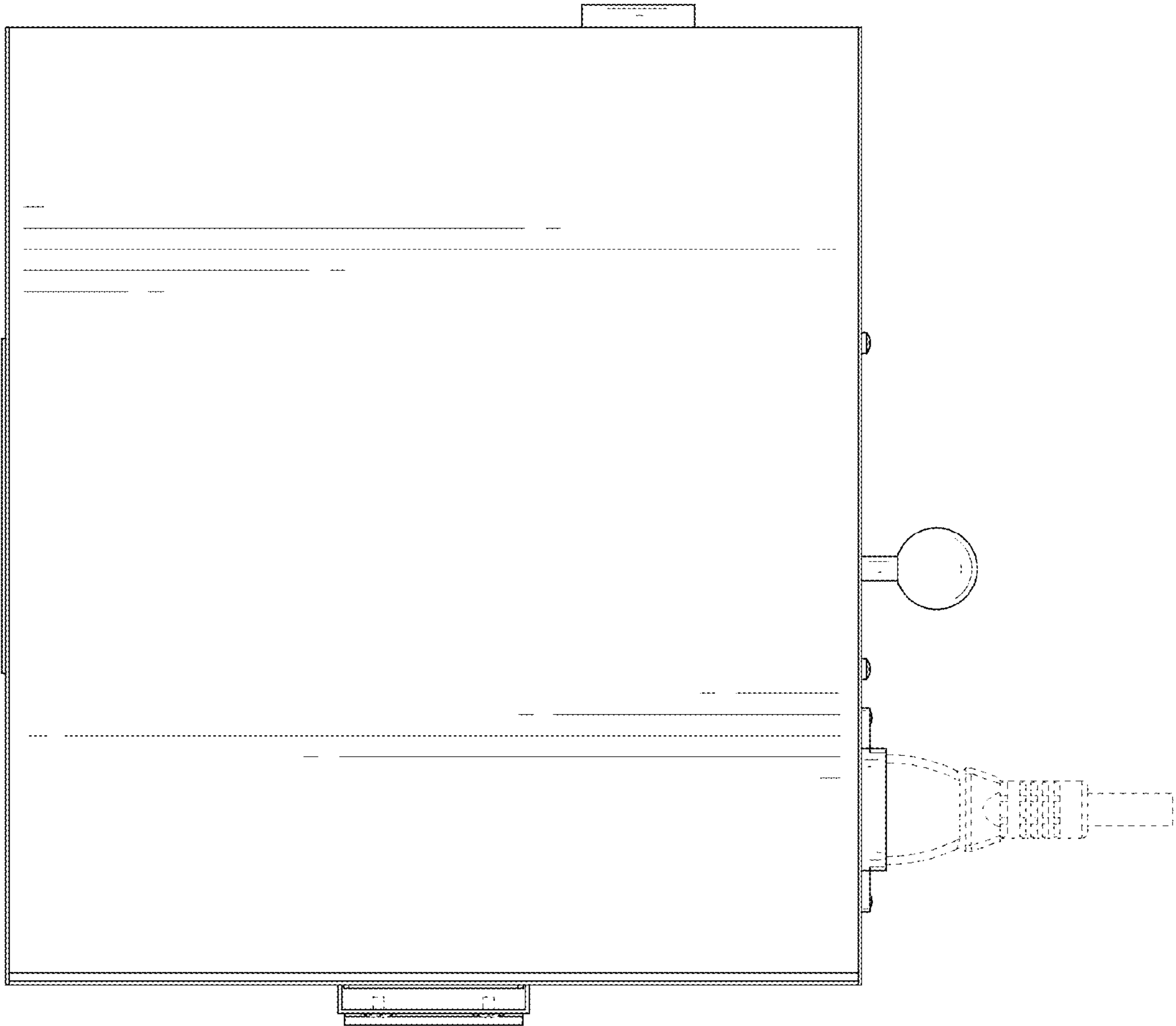


FIG. 8