



US00D984846S

(12) **United States Design Patent**
Adrian

(10) **Patent No.:** **US D984,846 S**

(45) **Date of Patent:** **** May 2, 2023**

- (54) **MIXER**
- (71) Applicant: **Ningbo Founter Machinery Technology Co., Ltd., Zhejiang (CN)**
- (72) Inventor: **Iovescu Radu Adrian, Zhejiang (CN)**
- (73) Assignee: **Ningbo Founter Machinery Technology Co., Ltd.**
- (**) Term: **15 Years**
- (21) Appl. No.: **29/730,791**
- (22) Filed: **Apr. 8, 2020**
- (51) **LOC (14) Cl.** **31-00**
- (52) **U.S. Cl.**
USPC **D7/376**
- (58) **Field of Classification Search**
USPC D7/306, 309, 354, 355, 358, 361, 372, D7/373, 374, 375, 376, 377, 378, 379, D7/380, 381, 382, 383, 384, 385, 386, D7/412, 413, 602, 612, 694, 669, 679
CPC .. A47J 43/04; A47J 43/25; A47J 43/27; A47J 43/042; A47J 43/044; A47J 43/046; A47J 43/075; A47J 43/0722; A47J 43/0727; A21C 1/02; A21C 1/04; A23G 9/045; A23N 1/00; A23N 1/02
See application file for complete search history.

- 5,533,806 A * 7/1996 Veltrop B01F 27/805
366/206
- 5,556,201 A * 9/1996 Veltrop B01F 27/091
366/288
- 5,758,963 A * 6/1998 Xie A21C 1/02
366/97
- 5,860,738 A * 1/1999 Brinkman A21C 1/02
411/395

(Continued)

FOREIGN PATENT DOCUMENTS

- CN 302996639 * 11/2014
- EM 002900365-0001 * 12/2015

(Continued)

OTHER PUBLICATIONS

10 liters Best Professional Kitchen Electric Planetary Food Mixer Machines, announced © 2022 [online], retrieved Sep. 26, 2022, retrieved from internet, <https://www.tradewheel.com/p/10-liters-best-professional-kitchen-electric-1739969/>.*

(Continued)

Primary Examiner — Messina L Smith

(57) **CLAIM**

The ornamental design for a mixer, as shown and described.

DESCRIPTION

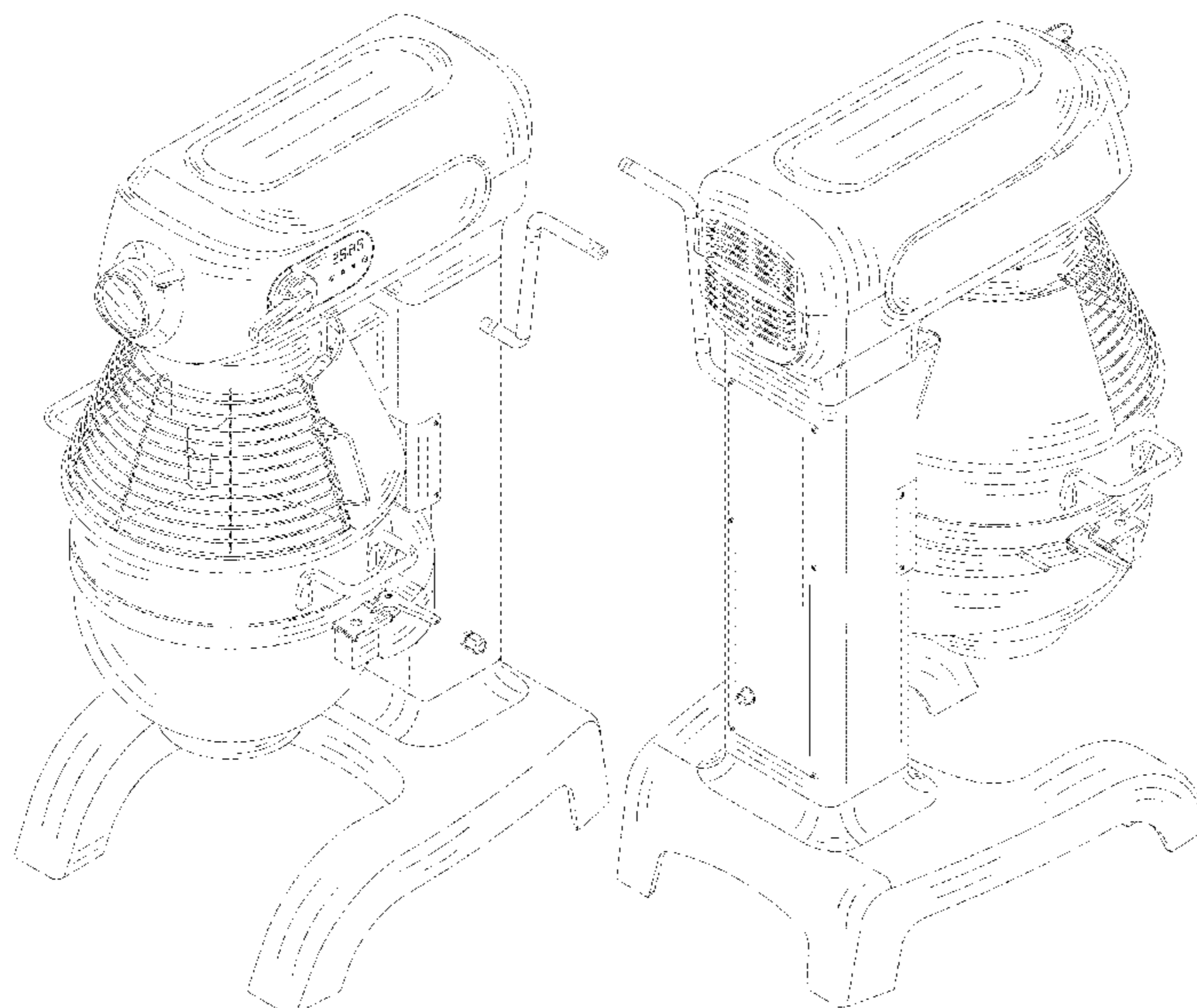
FIG. 1 is a front view of a mixer showing my new design; FIG. 2 is a back view thereof; FIG. 3 is a left side view thereof; FIG. 4 is a right side view thereof; FIG. 5 is a top view thereof; FIG. 6 is a bottom view thereof; FIG. 7 is a perspective view thereof; and, FIG. 8 is another perspective view thereof. The broken lines and areas within depict portions of the mixer that form no part of the claimed design.

1 Claim, 8 Drawing Sheets

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 2,306,245 A * 12/1942 Duke A21C 1/02
366/98
- 2,405,707 A * 8/1946 Nielsen A47J 43/044
366/200
- 2,552,054 A * 5/1951 Misic A47J 43/044
403/82
- 5,348,393 A * 9/1994 Pappas, Jr. B01F 27/805
366/284



(56)

References Cited

U.S. PATENT DOCUMENTS

6,068,398 A * 5/2000 Lin B01F 35/60
99/348
D459,145 S * 6/2002 Short D7/379
D468,581 S * 1/2003 Short D7/379
D482,564 S * 11/2003 Short D7/379
D499,604 S * 12/2004 Hooper D7/379
D540,113 S * 4/2007 Short D7/376
D564,297 S * 3/2008 Short D7/412
D564,298 S * 3/2008 Short D7/412
7,384,187 B2 * 6/2008 Blackburn A47J 43/0705
366/206
7,438,463 B2 * 10/2008 Schnipke B01F 27/805
366/206
D582,203 S * 12/2008 Short D7/376
D583,189 S * 12/2008 Short D7/376
D583,617 S * 12/2008 Short D7/376
D583,618 S * 12/2008 Blackburn D7/376
D584,916 S * 1/2009 Christou D7/376
D615,348 S * 5/2010 Huang D7/379
D616,699 S * 6/2010 Hoare D7/379
8,308,344 B2 * 11/2012 Short A47J 43/0727
366/347
D683,578 S * 6/2013 Nordwall D7/384
D818,761 S * 5/2018 Wang D7/378
D818,764 S * 5/2018 Wang D7/379
10,743,550 B2 * 8/2020 Huerta-Ochoa B01F 35/2115
2002/0181322 A1 * 12/2002 Brunswick B01F 27/805
366/331
2004/0022124 A1 * 2/2004 Yoshioka B01F 35/60
366/347
2006/0198240 A1 * 9/2006 Short A47J 43/0705
366/197
2007/0195641 A1 * 8/2007 Schnipke A21C 1/02
366/206

2008/0291776 A1 * 11/2008 Brunswick B01F 27/805
366/331
2016/0157677 A1 * 6/2016 Cheung A47J 43/085
241/101.1
2019/0008326 A1 * 1/2019 Huerta-Ochoa A47J 43/06

FOREIGN PATENT DOCUMENTS

EM 003854090-0001 * 4/2017
GB 6137199 * 5/2021

OTHER PUBLICATIONS

Heavy Duty Planetary Mixer, no announcement date [online],
retrieved Sep. 26, 2022, retrieved from internet, <http://www.hengfengjx.com/en/productsd.php?pid=23>.
Baking Machinery, announced © 2022 [online], retrieved Sep. 26,
2022, retrieved from internet, <https://rn.made-in-china.com/product/Baking-Machinery-VFM-20C-609605935.html>.
Commercial Adjustable Speed Stainless Steel Planetary Cake Dough
Food Mixer, announced © 1999-2022 [online], retrieved Sep. 26,
2022, retrieved from internet, https://www.alibaba.com/product-detail/High-Quality-10L-20L-30L-40L_1600084402476.html.
Manual Planetary Mixer, announced May 29, 2015 [online], retrieved
Sep. 26, 2022, retrieved from internet, <https://www.youtube.com/watch?v=UEZ6M00C-5E>.
Home > Products > Bakery Equipment > Planetary Mixer, announced
Aug. 28, 2019 [online], retrieved Sep. 26, 2022, retrieved from
internet, <https://www.foodmachineryunion.com/sell/list.php?catid=679>.
Planetary vs. Spiral Mixers: How to Select the Right One for the
Job, announced Dec. 6, 2017 [online], retrieved Sep. 26, 2022,
retrieved from internet, <https://blog.hobartcorp.com/blog/planetary-spiral-mixers-how-select>.

* cited by examiner

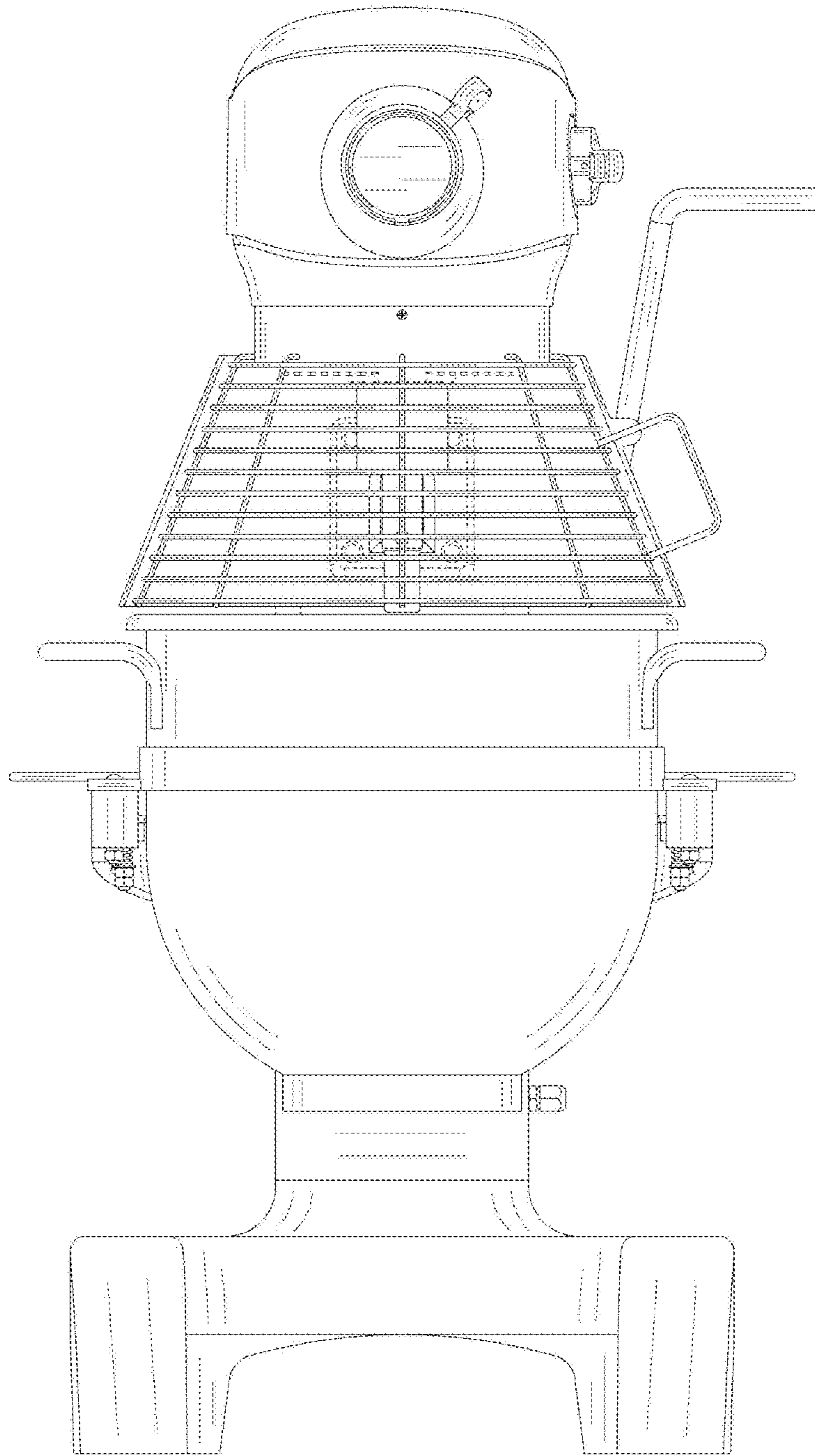


FIG. 1

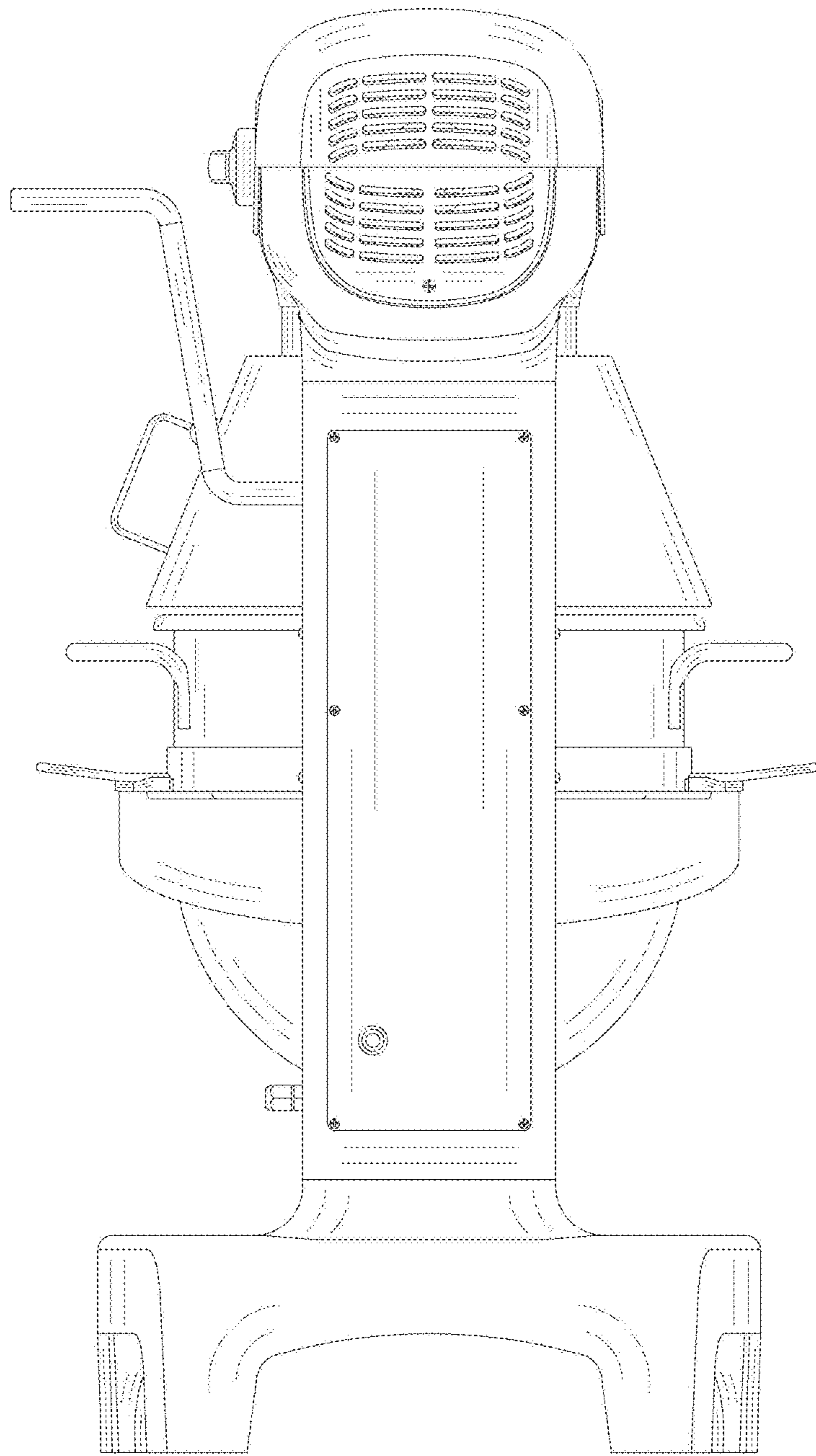


FIG. 2

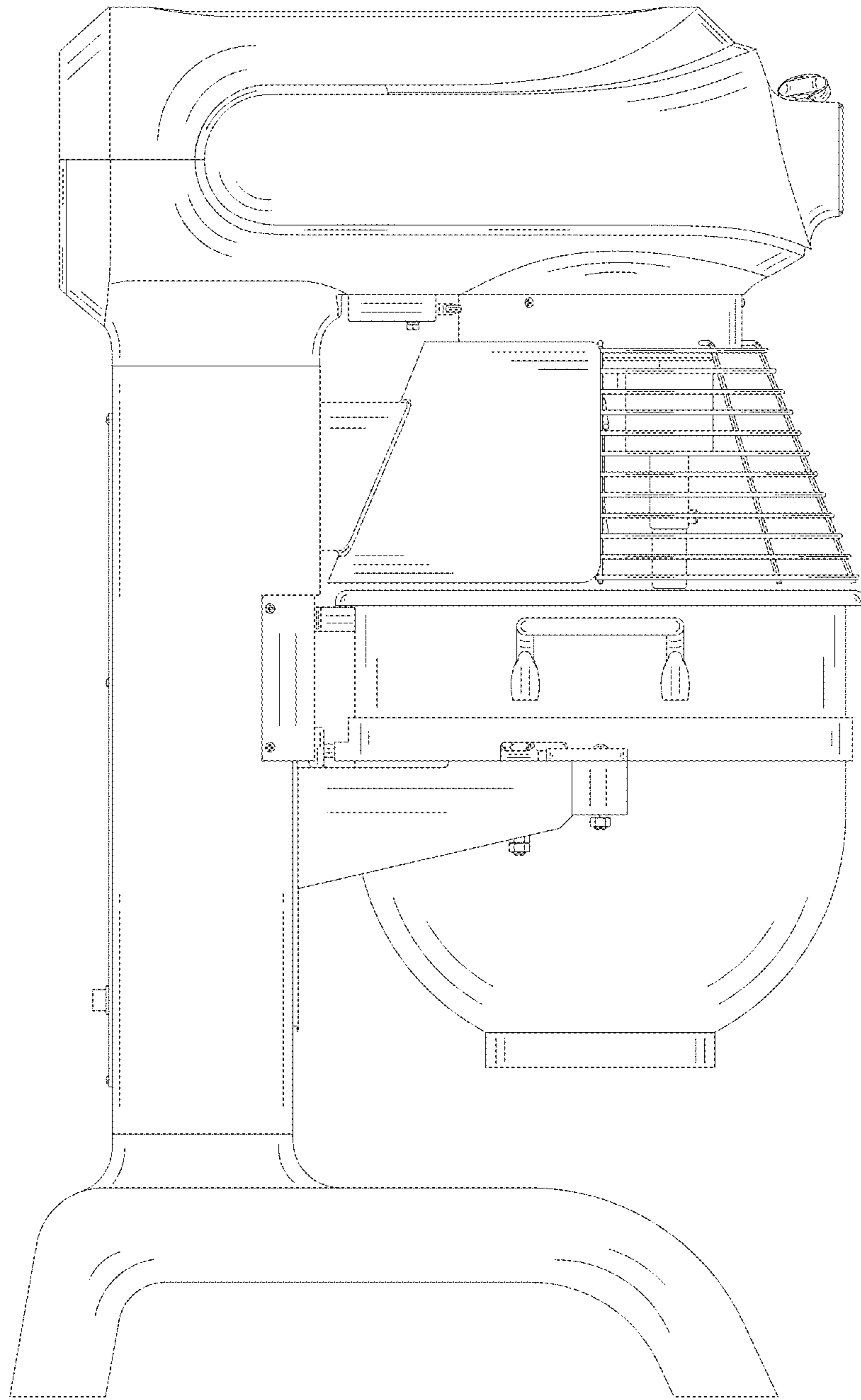


FIG. 3

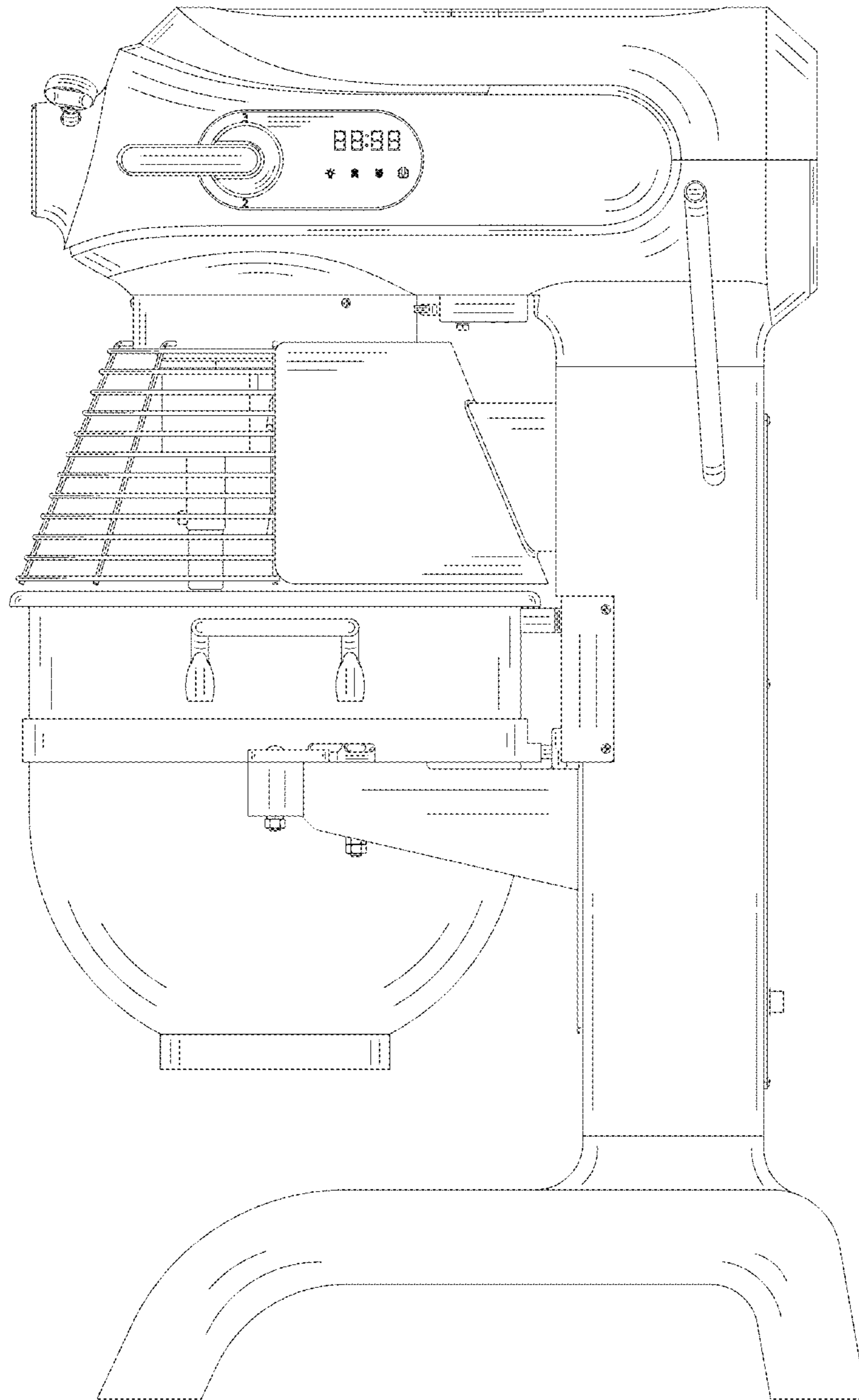


FIG. 4

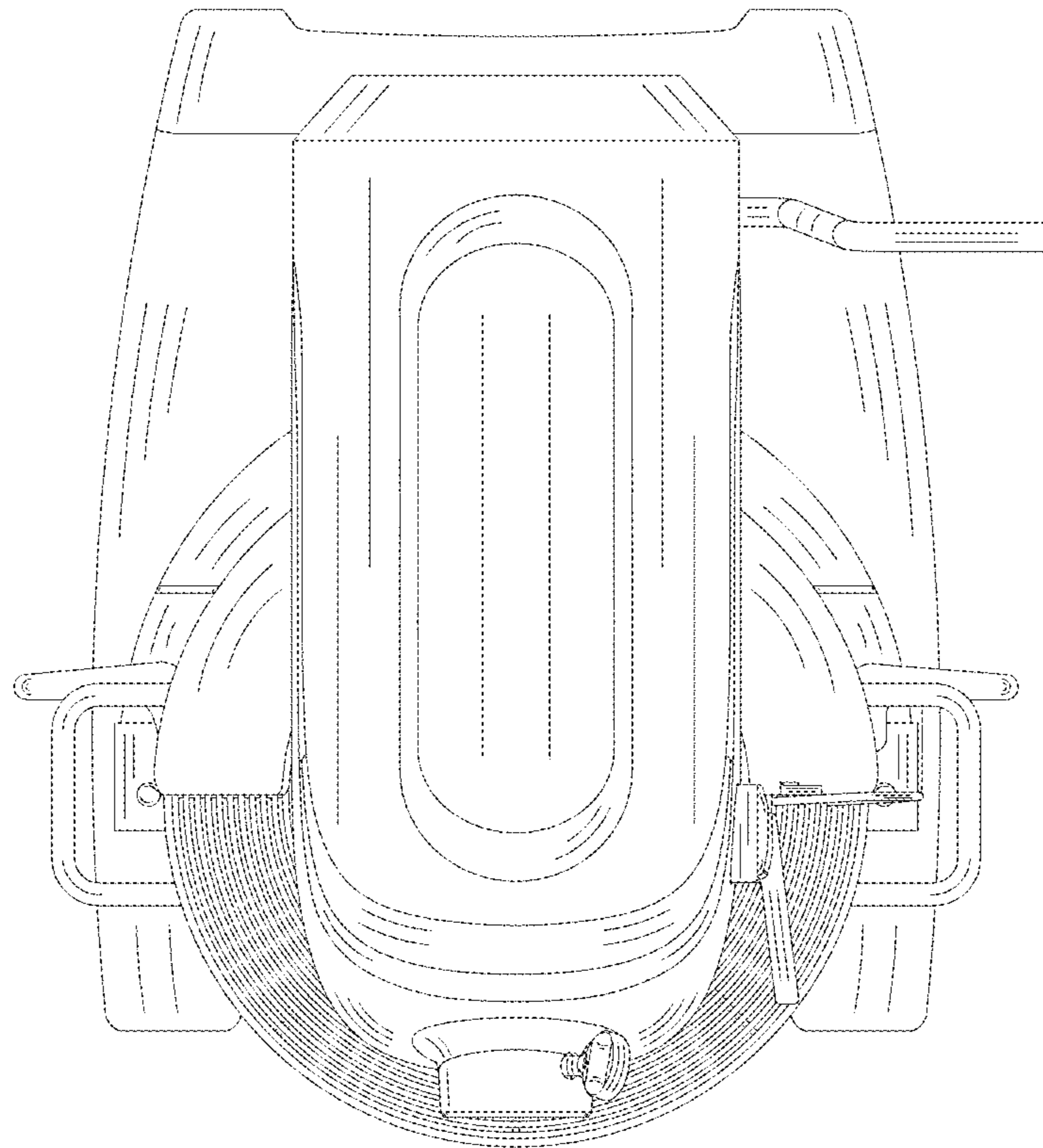


FIG. 5

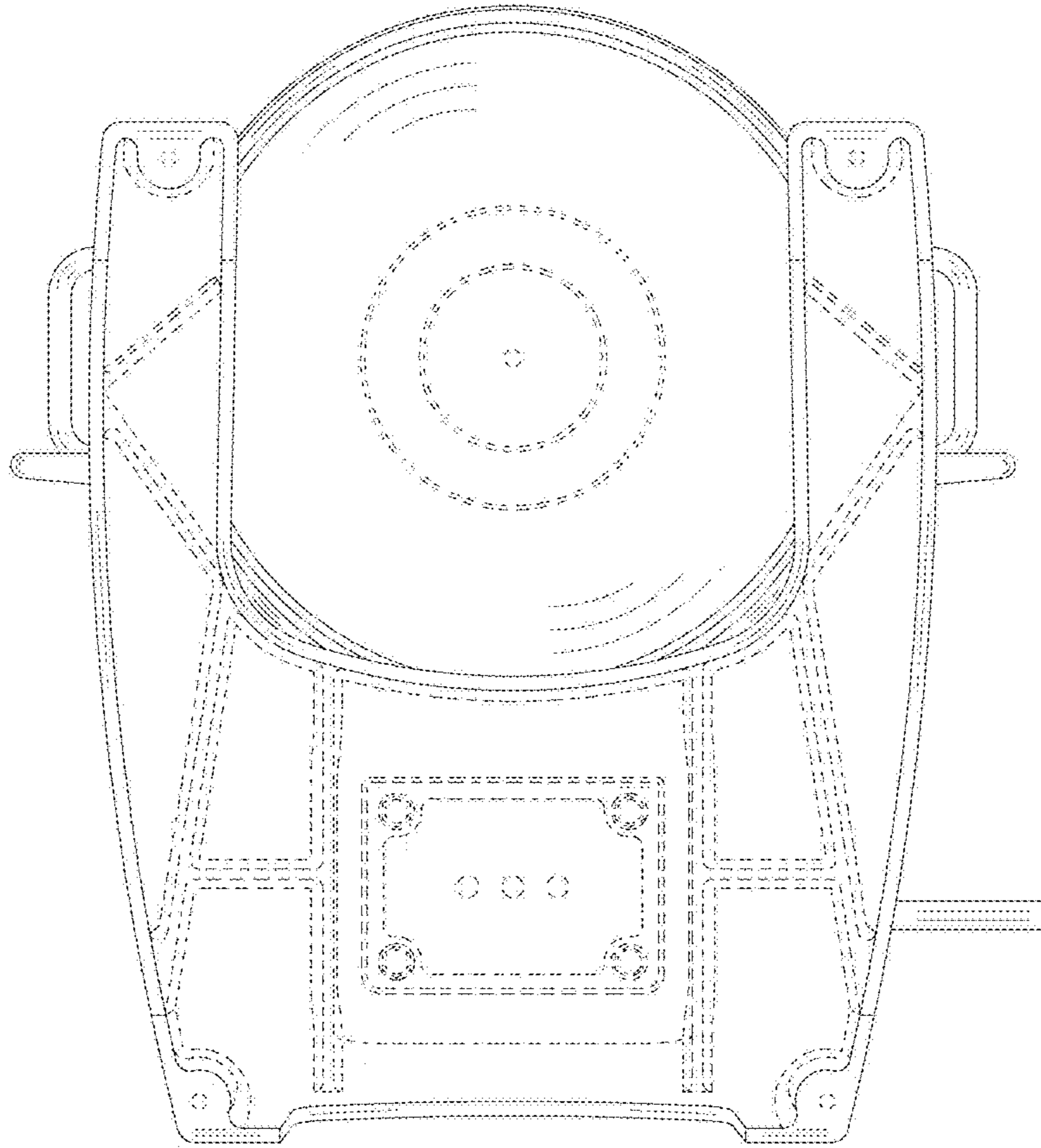


FIG. 6

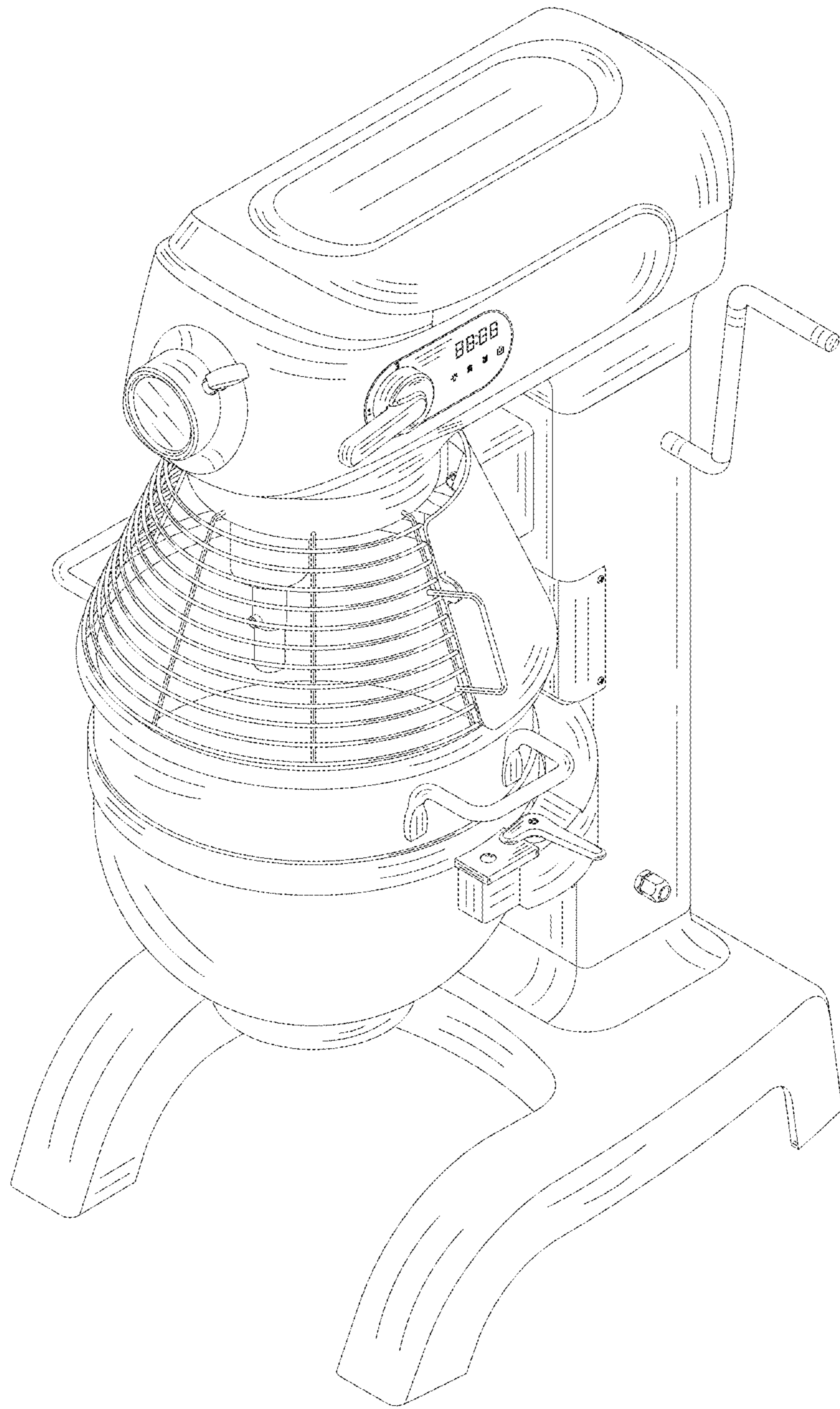


FIG. 7

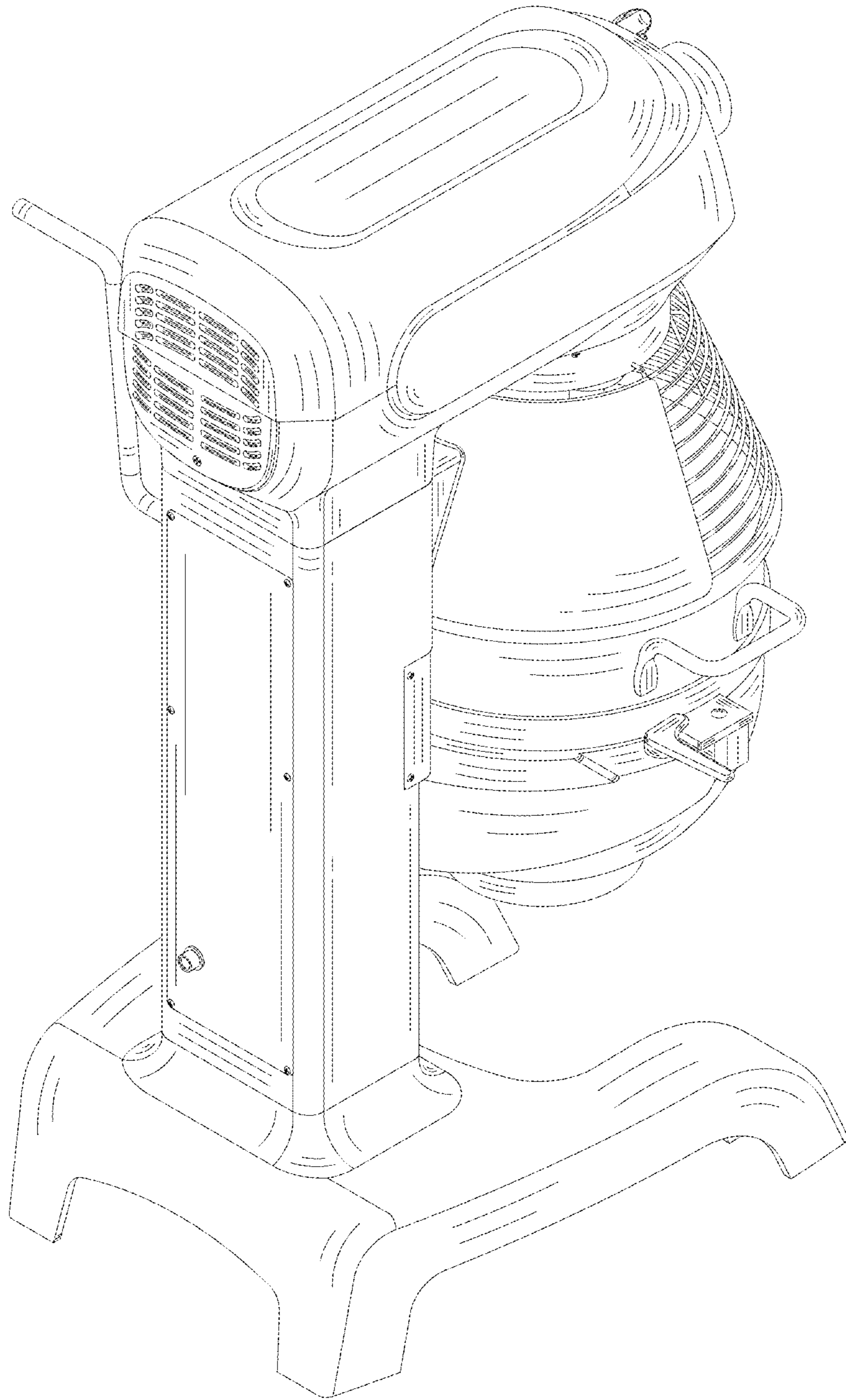


FIG. 8