



US00D940797S

(12) **United States Design Patent** (10) **Patent No.:** **US D940,797 S**
Ach et al. (45) **Date of Patent:** **** Jan. 11, 2022**

(54) **REHABILITATION DEVICE**
(71) Applicant: **ROM TECHNOLOGIES, INC.**,
Brookfield, CT (US)
(72) Inventors: **Samuel Marcus Ach**, Portland, OR
(US); **Doug Golenz**, Littleton, CO (US)

3,081,645 A 3/1963 Bergfors
3,100,640 A 8/1963 Weitzel
3,137,014 A 6/1964 Meucci
3,143,316 A 8/1964 Shapiro
3,713,438 A 1/1973 Knutsen
3,744,480 A 7/1973 Gause et al.
3,888,136 A 6/1975 Lapeyre
(Continued)

(73) Assignee: **ROM TECHNOLOGIES, INC.**,
Brookfield, CT (US)

FOREIGN PATENT DOCUMENTS

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

JP 6573739 B1 9/2019
KR 20160093990 A 8/2016
(Continued)

(21) Appl. No.: **29/764,248**

(22) Filed: **Dec. 29, 2020**

OTHER PUBLICATIONS

Related U.S. Application Data

HCI Fitness PhysioTrainer Upper Body Ergonometer, <https://www.amazon.com/HCI-Fitness-PhysioTrainer-Upper-Ergonometer/dp/B001P5GUGM>.

(62) Division of application No. 29/717,404, filed on Dec. 17, 2019, now Pat. No. Des. 907,143.

(Continued)

(51) **LOC (13) Cl.** **21-02**

(52) **U.S. Cl.**
USPC **D21/663**

(58) **Field of Classification Search**
USPC D21/419, 432, 435, 667, 666, 668, 690,
D21/676, 691, 662, 675, 686, 694, 663,
D21/697; D6/552; D12/108, 109, 111,
D12/112, 113, 124, 178, 345
See application file for complete search history.

Primary Examiner — Khawaja Anwar
Assistant Examiner — Julice Seung Eun Oum
(74) *Attorney, Agent, or Firm* — Dickinson Wright,
PLLC; Stephen A. Mason; Jonathan H. Harder

(57) **CLAIM**

The ornamental design for a rehabilitation device, substantially as shown and described.

(56) **References Cited**

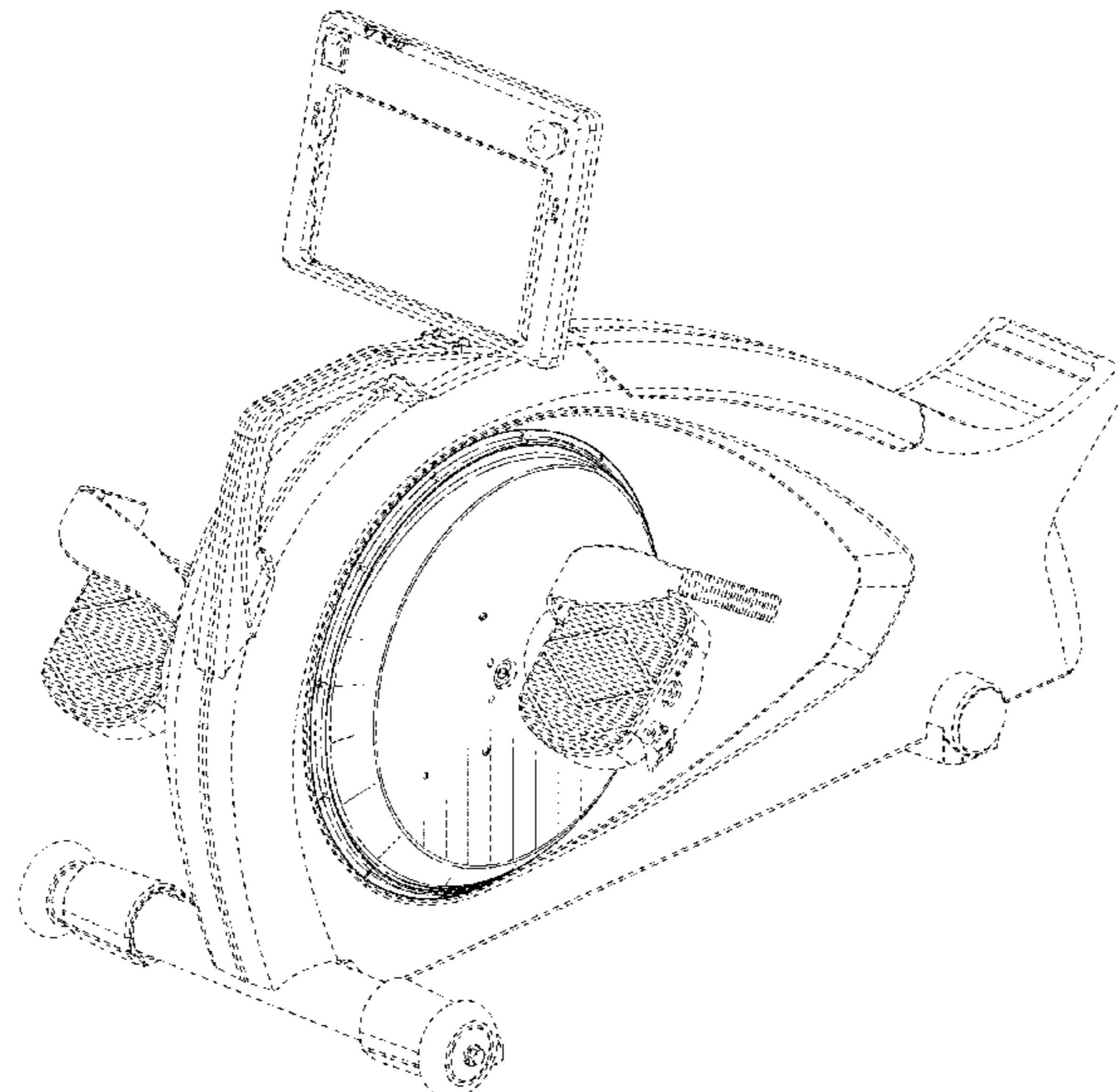
DESCRIPTION

U.S. PATENT DOCUMENTS

59,915 A 11/1866 Lallement
363,522 A 5/1887 Knous
446,671 A 2/1891 Elliott
610,157 A 8/1898 Campbell
631,276 A 8/1899 Bulova
823,712 A 6/1906 Uhlmann
1,149,029 A 8/1915 Clark
1,227,743 A 5/1917 Burgedorfp
1,784,230 A 12/1930 Freeman

FIG. 1 is a top isometric view of a rehabilitation device.
FIG. 2 is a front view of the device of FIG. 1.
FIG. 3 is a rear view of the device of FIG. 1.
FIG. 4 is right side view of the device of FIG. 1.
FIG. 5 is a left side view of the device of FIG. 1; and,
FIG. 6 is a top view of the device of FIG. 1.
The dashed lines form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | |
|--------------|---------|------------------------|-------------------|---------|------------------------------|
| 4,079,957 A | 3/1978 | Bleuse | 8,751,264 B2 | 6/2014 | Beraja et al. |
| 4,408,613 A | 10/1983 | Relyea | 8,784,273 B2 | 7/2014 | Dugan |
| 4,436,097 A | 3/1984 | Cunningham | 8,823,448 B1 | 9/2014 | Shen |
| 4,446,753 A | 5/1984 | Nagano | 8,979,711 B2 | 3/2015 | Dugan |
| 4,477,072 A | 10/1984 | DeCloux | D744,050 S | 11/2015 | Colburn |
| 4,499,900 A | 2/1985 | Petrofsky et al. | 9,272,185 B2 | 3/2016 | Dugan |
| 4,509,742 A | 4/1985 | Cones | 9,311,789 B1 | 4/2016 | Gwin |
| 4,606,241 A | 8/1986 | Fredriksson | 9,409,054 B2 | 8/2016 | Dugan |
| 4,611,807 A | 9/1986 | Castillo | 9,480,873 B2 | 11/2016 | Chuang |
| 4,616,823 A | 10/1986 | Vang | 9,566,472 B2 | 2/2017 | Dugan |
| 4,648,287 A | 3/1987 | Preskitt | D793,494 S * | 8/2017 | Mansfield D21/668 |
| 4,673,178 A | 6/1987 | Dwight | D794,142 S | 8/2017 | Zhou |
| 4,824,104 A | 4/1989 | Bloch | 9,914,053 B2 | 3/2018 | Dugan |
| 4,850,245 A | 7/1989 | Feamster et al. | 9,937,382 B2 | 4/2018 | Dugan |
| 4,858,942 A | 8/1989 | Rodriguez | 9,939,784 B1 | 4/2018 | Berardinelli |
| 4,869,497 A | 9/1989 | Stewart et al. | 10,155,134 B2 | 12/2018 | Dugan |
| 4,915,374 A | 4/1990 | Watkins | 10,576,331 B2 | 3/2020 | Kuo |
| 4,930,768 A | 6/1990 | Lapcevic | 11,040,238 B2 * | 6/2021 | Colburn A63B 21/225 |
| 4,961,570 A | 10/1990 | Chang | 2002/0160883 A1 | 10/2002 | Dugan |
| 5,161,430 A | 11/1992 | Febey | 2003/0036683 A1 | 2/2003 | Kehr et al. |
| 5,202,794 A | 4/1993 | Schnee et al. | 2003/0083596 A1 | 5/2003 | Kramer et al. |
| 5,247,853 A | 9/1993 | Dalebout | 2003/0092536 A1 | 5/2003 | Romanelli et al. |
| 5,282,748 A | 2/1994 | Little | 2003/0109814 A1 | 6/2003 | Rummerfield |
| 5,316,532 A | 5/1994 | Butler | 2003/0106502 A1 | 6/2004 | Sher |
| 5,324,241 A | 6/1994 | Artigues et al. | 2004/0172093 A1 | 9/2004 | Rummerfield |
| 5,336,147 A | 8/1994 | Sweeney, III | 2004/0194572 A1 | 10/2004 | Kim |
| 5,338,272 A | 8/1994 | Sweeney, III | 2005/0020411 A1 | 1/2005 | Andrews |
| 5,361,649 A | 11/1994 | Slocum, Jr. | 2005/0049122 A1 | 3/2005 | Vallone et al. |
| D353,421 S * | 12/1994 | Gallivan D21/667 | 2005/0085346 A1 | 4/2005 | Johnson |
| 5,458,022 A | 10/1995 | Mattfeld et al. | 2005/0085353 A1 | 4/2005 | Johnson |
| 5,487,713 A | 1/1996 | Butler | 2005/0274220 A1 | 12/2005 | Reboullet |
| 5,566,589 A | 10/1996 | Buck | 2006/0003871 A1 | 1/2006 | Houghton |
| 5,580,338 A | 12/1996 | Scelta et al. | 2006/0064329 A1 | 3/2006 | Abolfathi et al. |
| 5,676,349 A | 10/1997 | Wilson | 2006/0247095 A1 | 11/2006 | Rummerfield |
| 5,685,804 A | 11/1997 | Whan-Tong et al. | 2008/0161166 A1 | 7/2008 | Lo |
| 5,860,941 A | 1/1999 | Saringer et al. | 2009/0011907 A1 | 1/2009 | Radow et al. |
| 5,950,813 A | 9/1999 | Hoskins et al. | 2009/0070138 A1 | 3/2009 | Langheier et al. |
| 6,053,847 A | 4/2000 | Stearns et al. | 2009/0211395 A1 | 8/2009 | Mul'e |
| 6,077,201 A | 6/2000 | Cheng | 2010/0248905 A1 | 9/2010 | Lu |
| 6,102,834 A | 8/2000 | Chen | 2010/0268304 A1 | 10/2010 | Matos |
| 6,155,958 A | 12/2000 | Goldberg | 2011/0172059 A1 | 7/2011 | Watterson et al. |
| 6,182,029 B1 | 1/2001 | Friedman | 2011/0218814 A1 | 9/2011 | Coats |
| D438,580 S | 3/2001 | Shaw | 2011/0275483 A1 | 11/2011 | Dugan |
| 6,253,638 B1 | 7/2001 | Bermudez | 2012/0065987 A1 | 3/2012 | Farooq et al. |
| D450,100 S | 11/2001 | Hsu | 2012/0167709 A1 | 7/2012 | Chen et al. |
| D450,101 S | 11/2001 | Hsu | 2012/0190502 A1 | 7/2012 | Paulus et al. |
| D451,972 S | 12/2001 | Easley | 2012/0310667 A1 | 12/2012 | Altman et al. |
| D452,285 S | 12/2001 | Easley | 2013/0123667 A1 | 5/2013 | Komatireddy et al. |
| D454,605 S * | 3/2002 | Lee D21/694 | 2013/0296987 A1 | 11/2013 | Rogers et al. |
| 6,371,891 B1 | 4/2002 | Speas | 2014/0006042 A1 | 1/2014 | Keefe et al. |
| D459,776 S * | 7/2002 | Lee D21/697 | 2014/0011640 A1 | 1/2014 | Dugan |
| 6,430,436 B1 | 8/2002 | Richter | 2014/0155129 A1 | 6/2014 | Dugan |
| 6,474,193 B1 | 11/2002 | Farney | 2014/0188009 A1 | 7/2014 | Lange et al. |
| 6,491,649 B1 | 12/2002 | Ombrellaro | 2014/0194250 A1 | 7/2014 | Reich et al. |
| 6,543,309 B2 | 4/2003 | Heim | 2014/0257837 A1 | 9/2014 | Walker et al. |
| D475,424 S * | 6/2003 | Lee D21/694 | 2014/0309083 A1 | 10/2014 | Dugan |
| 6,589,139 B1 | 7/2003 | Butterworth | 2014/0322686 A1 | 10/2014 | Kang |
| D482,416 S * | 11/2003 | Yang D21/663 | 2015/0088544 A1 | 3/2015 | Goldberg |
| 6,640,662 B1 | 11/2003 | Baxter | 2015/0151162 A1 | 6/2015 | Dugan |
| D484,931 S * | 1/2004 | Tsai D21/694 | 2015/0161331 A1 | 6/2015 | Oleynik |
| 6,820,517 B1 | 11/2004 | Farney | 2015/0339442 A1 | 11/2015 | Oleynik |
| 6,865,969 B2 | 3/2005 | Stevens | 2016/0023081 A1 | 1/2016 | Popa-Simil |
| 6,895,834 B1 | 5/2005 | Baatz | 2016/0140319 A1 | 5/2016 | Stark et al. |
| 7,169,085 B1 | 1/2007 | Killin et al. | 2016/0151670 A1 | 6/2016 | Dugan |
| 7,204,788 B2 | 4/2007 | Andrews | 2016/0166881 A1 | 6/2016 | Ridgel et al. |
| 7,209,886 B2 | 4/2007 | Kimmel | 2016/0275259 A1 | 9/2016 | Nolan et al. |
| 7,226,394 B2 | 6/2007 | Johnson | 2016/0302721 A1 | 10/2016 | Wiedenhoefer et al. |
| 7,406,003 B2 | 7/2008 | Burkhardt et al. | 2016/0317869 A1 | 11/2016 | Dugan |
| D575,836 S * | 8/2008 | Hsiao D21/668 | 2017/0004260 A1 | 1/2017 | Moturu et al. |
| 7,594,879 B2 | 9/2009 | Johnson | 2017/0014671 A1 * | 1/2017 | Burns, Sr. A63B 22/0046 |
| 7,726,034 B2 | 6/2010 | Wixey | 2017/0106242 A1 | 4/2017 | Dugan |
| 8,506,458 B2 | 8/2013 | Dugan | 2017/0113092 A1 | 4/2017 | Johnson |
| 8,556,778 B1 | 10/2013 | Dugan | 2017/0143261 A1 | 5/2017 | Wiedenhoefer et al. |
| 8,607,465 B1 | 12/2013 | Edwards | 2017/0147789 A1 | 5/2017 | Wiedenhoefer et al. |
| 8,672,812 B2 | 3/2014 | Dugan | 2017/0181698 A1 | 6/2017 | Wiedenhoefer et al. |
| | | | 2017/0243028 A1 | 8/2017 | LaFever et al. |
| | | | 2017/0265800 A1 | 9/2017 | Auchinleck et al. |
| | | | 2017/0278209 A1 | 9/2017 | Olsen et al. |
| | | | 2017/0300654 A1 | 10/2017 | Stein et al. |

(56)

References Cited

U.S. PATENT DOCUMENTS

2017/0329917 A1 11/2017 McRaith et al.
 2017/0344726 A1 11/2017 Duffy et al.
 2017/0360586 A1 12/2017 Dempers et al.
 2018/0052962 A1 2/2018 Van Der Koijk et al.
 2018/0071565 A1 3/2018 Gomberg et al.
 2018/0071566 A1 3/2018 Gomberg et al.
 2018/0071569 A1 3/2018 Gomberg et al.
 2018/0071570 A1 3/2018 Gomberg et al.
 2018/0071571 A1 3/2018 Gomberg et al.
 2018/0071572 A1 3/2018 Gomberg et al.
 2018/0102190 A1 4/2018 Hogue et al.
 2018/0200577 A1 7/2018 Dugan
 2018/0240552 A1 8/2018 Tuyl et al.
 2018/0271432 A1 9/2018 Auchinleck et al.
 2018/0330824 A1 11/2018 Athey et al.
 2019/0019578 A1 1/2019 Vaccaro
 2019/0066832 A1 2/2019 Kang et al.
 2019/0076701 A1 3/2019 Dugan
 2019/0304584 A1 10/2019 Savolainen
 2019/0307983 A1 10/2019 Goldman
 2019/0354632 A1 11/2019 Mital et al.
 2020/0005928 A1 1/2020 Daniel

2020/0051446 A1 2/2020 Rubinstein et al.
 2020/0093418 A1 3/2020 Kluger et al.
 2020/0143922 A1 5/2020 Chekroud et al.
 2020/0151595 A1 5/2020 Jayalath et al.
 2020/0152339 A1 5/2020 Pulitzer et al.
 2020/0160198 A1 5/2020 Reeves et al.
 2020/0176098 A1 6/2020 Lucas et al.
 2020/0289878 A1* 9/2020 Arn A63B 22/0605
 2020/0289881 A1 9/2020 Hacking et al.
 2020/0289889 A1* 9/2020 Hacking A61B 5/681
 2020/0293712 A1 9/2020 Potts et al.

FOREIGN PATENT DOCUMENTS

WO 2021021447 A1 2/2021
 WO 2021138620 A1 7/2021

OTHER PUBLICATIONS

HCI Fitness PhysioTrainer PRO Electronically Controlled UBE,
<https://www.amazon.com/HCI-Fitness-PhysioTrainer-Electronically-Controlled/dp/B0759YMW78>.

* cited by examiner

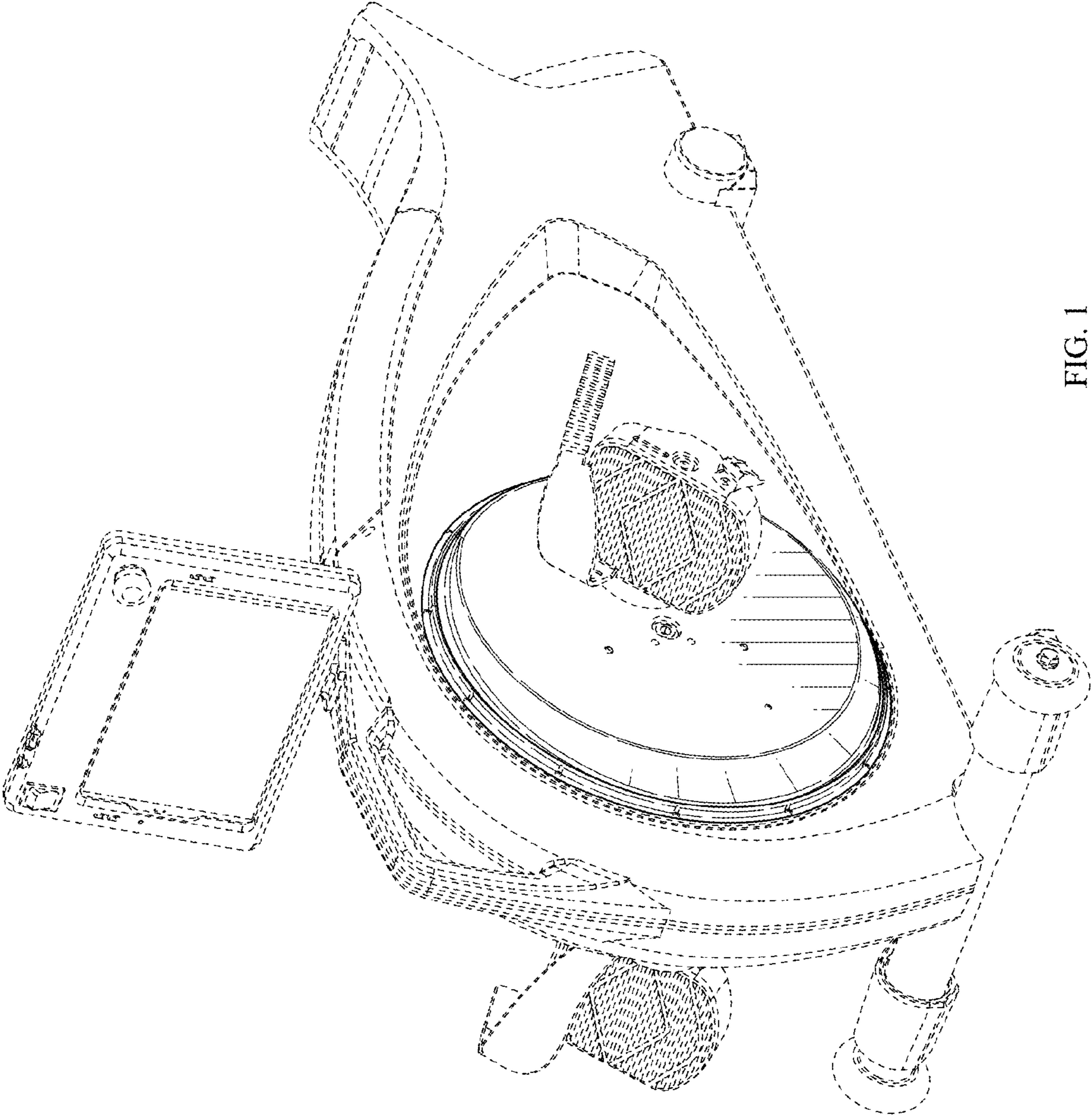


FIG. 1

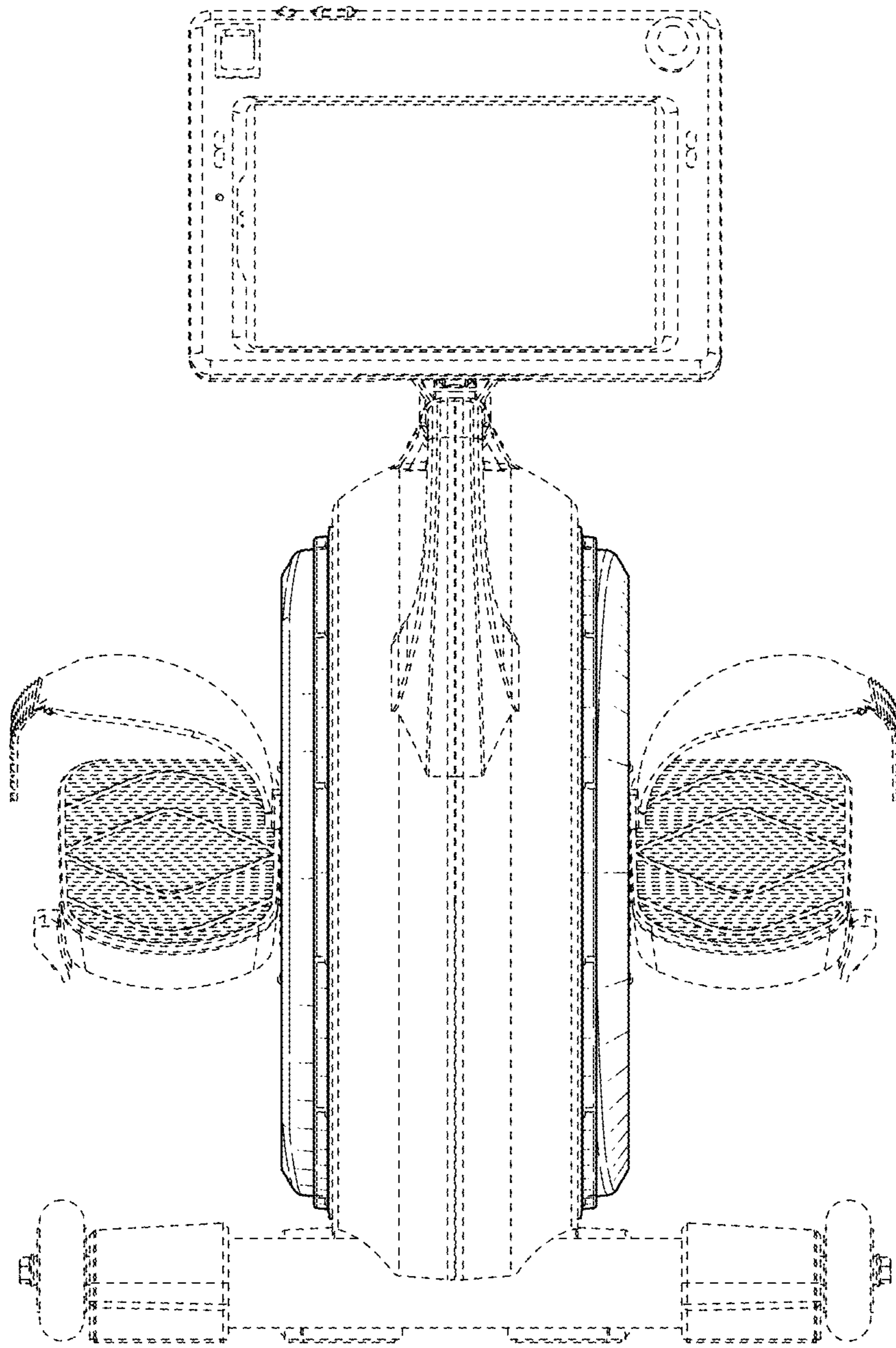


FIG. 2

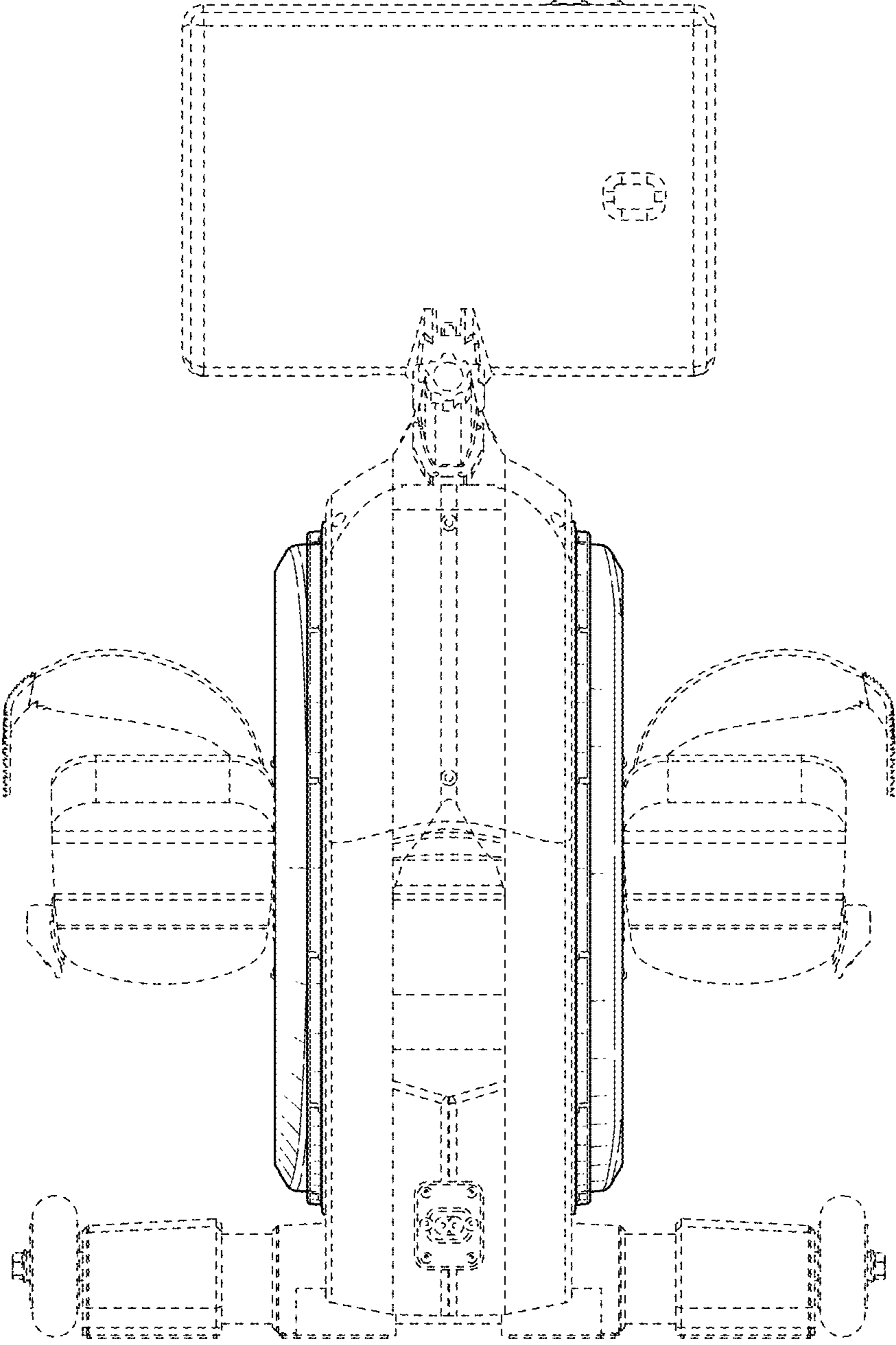


FIG. 3

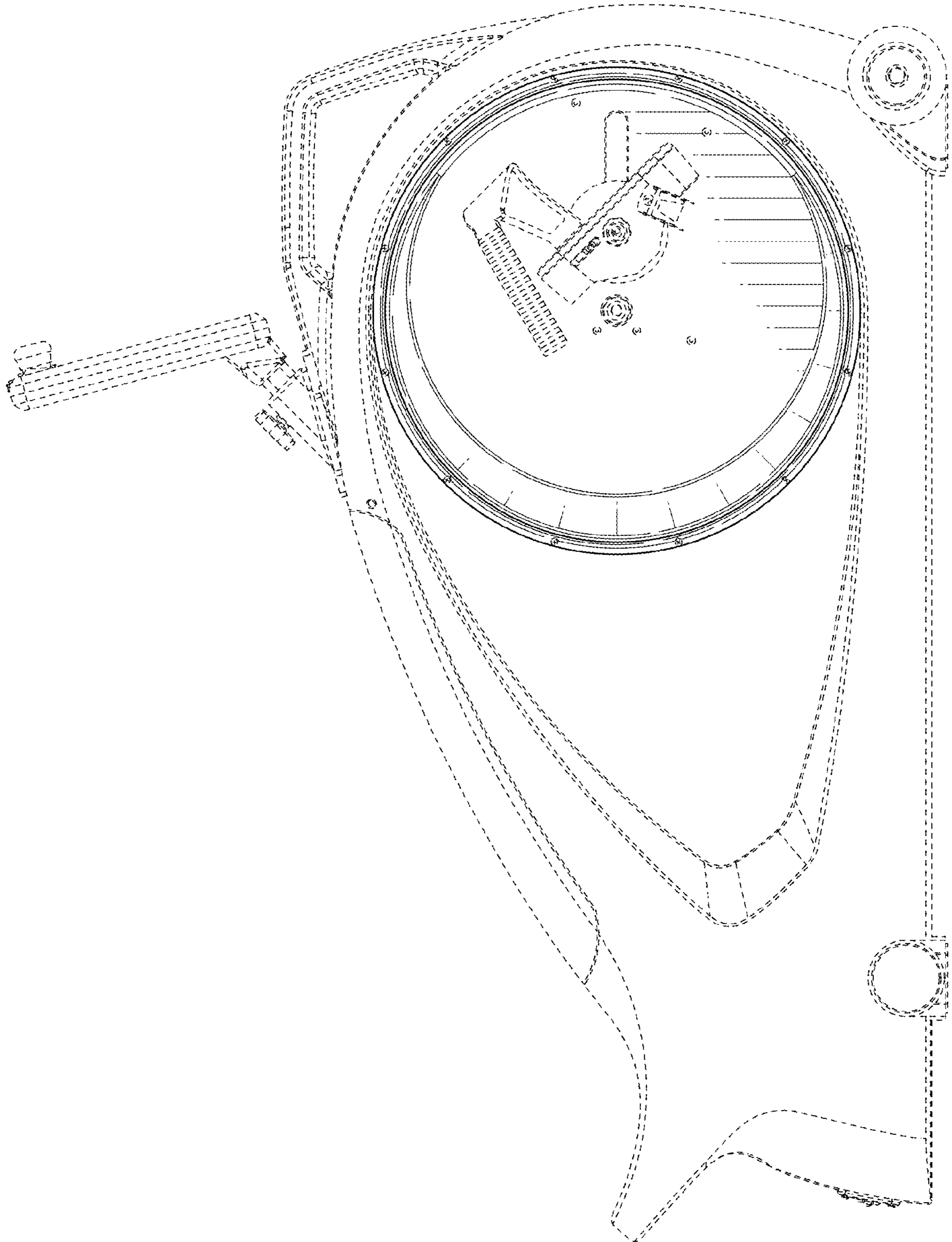
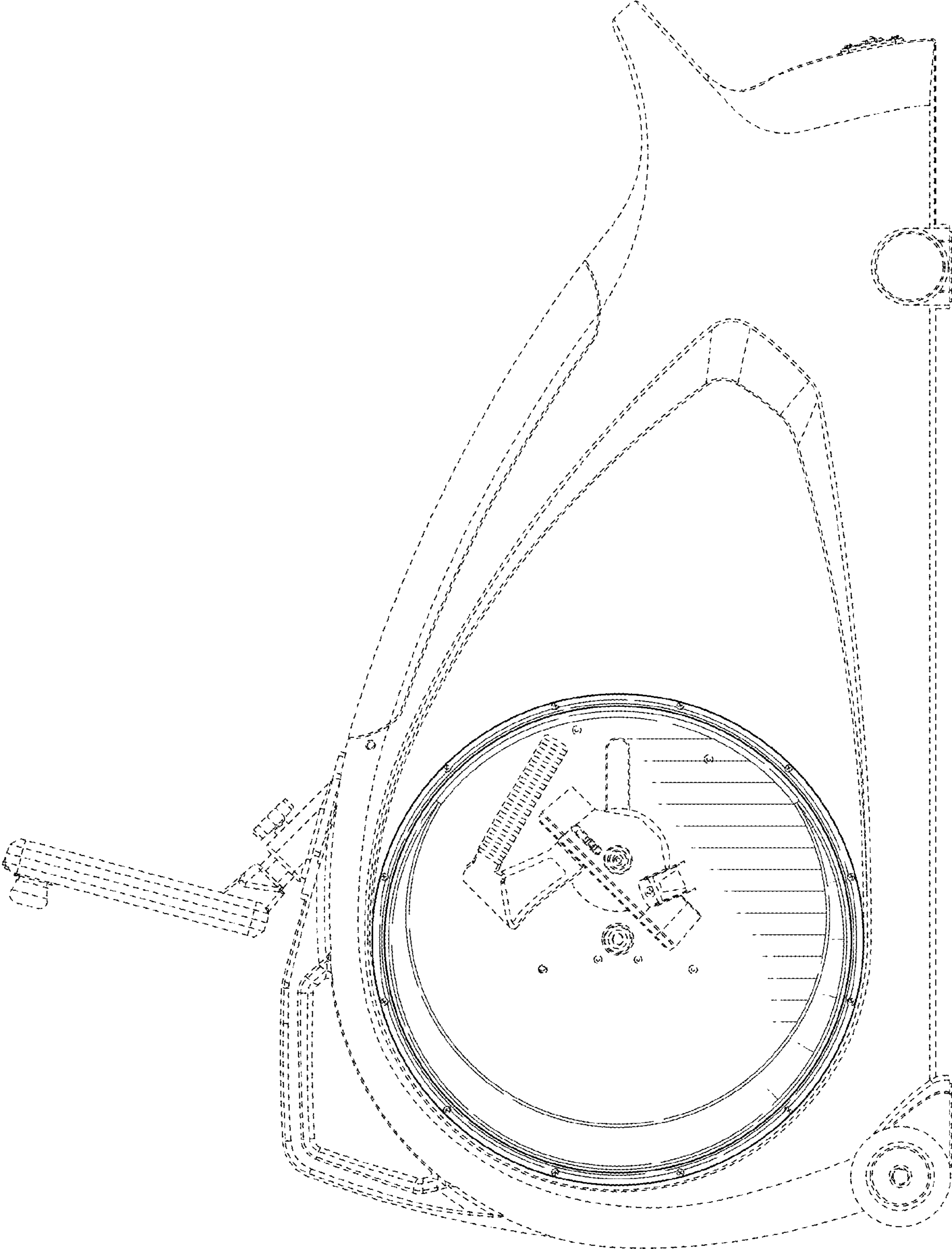


FIG. 4

FIG. 5



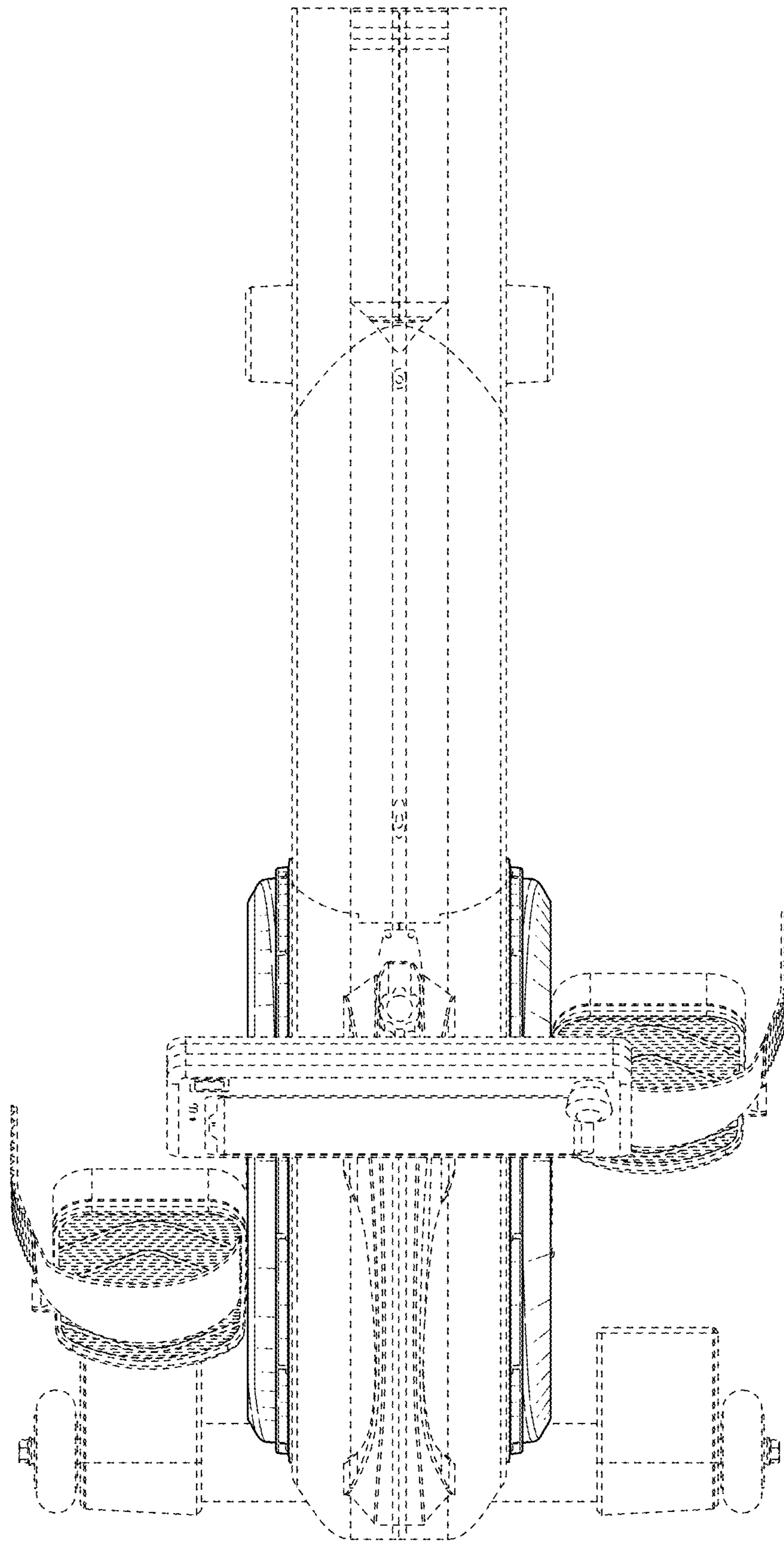


FIG. 6