



US00D873933S

(12) **United States Design Patent** (10) **Patent No.:** **US D873,933 S**
Bennett et al. (45) **Date of Patent:** **** Jan. 28, 2020**

(54) **BICYCLE TRAINER**

FOREIGN PATENT DOCUMENTS

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(GB)

CN 1417081 A 5/2003
EP 2183034 B1 5/2010

(Continued)

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OTHER PUBLICATIONS

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Road, "Updated: Wattbike Atom", Oct. 9, 2018. <https://road.cc/content/review/232959-updated-wattbike-atom>. Shown on p. 1. (Year: 2018).*

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

(Continued)

(21) Appl. No.: **29/624,835**

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(22) Filed: **Nov. 3, 2017**

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(51) **LOC (12) Cl.** **21-02**

(52) **U.S. Cl.**

USPC **D21/667**

(58) **Field of Classification Search**

USPC .. 482/51–52, 54, 57, 66, 68, 70, 72, 79, 80;

D12/400, 406, 407, 414; D21/662–663,

D21/665–671, 673, 685, 694, 696–697

CPC A63B 22/0605; A63B 21/015; A63B

2022/0658; A63B 21/225; A63B 21/4049

See application file for complete search history.

(57) **CLAIM**

The ornamental design for a bicycle trainer, as shown and described.

DESCRIPTION

(56) **References Cited**

U.S. PATENT DOCUMENTS

D291,462 S * 8/1987 Aalto D21/667
D291,713 S * 9/1987 Kiiski D21/667
D306,330 S * 2/1990 Lucas D21/665
D307,166 S * 4/1990 Wu D21/667
D319,480 S * 8/1991 Byrd D21/665
D319,675 S * 9/1991 Byrd D21/665
D325,410 S * 4/1992 Chen D21/667
5,163,886 A * 11/1992 Seol A63B 21/015
482/52
D353,421 S * 12/1994 Gallivan D21/667
5,393,281 A * 2/1995 Chen A63B 71/0619
482/57

(Continued)

FIG. 1 is a perspective view of front and left side of a bicycle trainer showing a first variant of the design;

FIG. 2 is a perspective view of a rear and right side of the bicycle trainer of FIG. 1;

FIG. 3 is a front side view of the bicycle trainer of FIG. 1;

FIG. 4 is a rear side view of the bicycle trainer of FIG. 1;

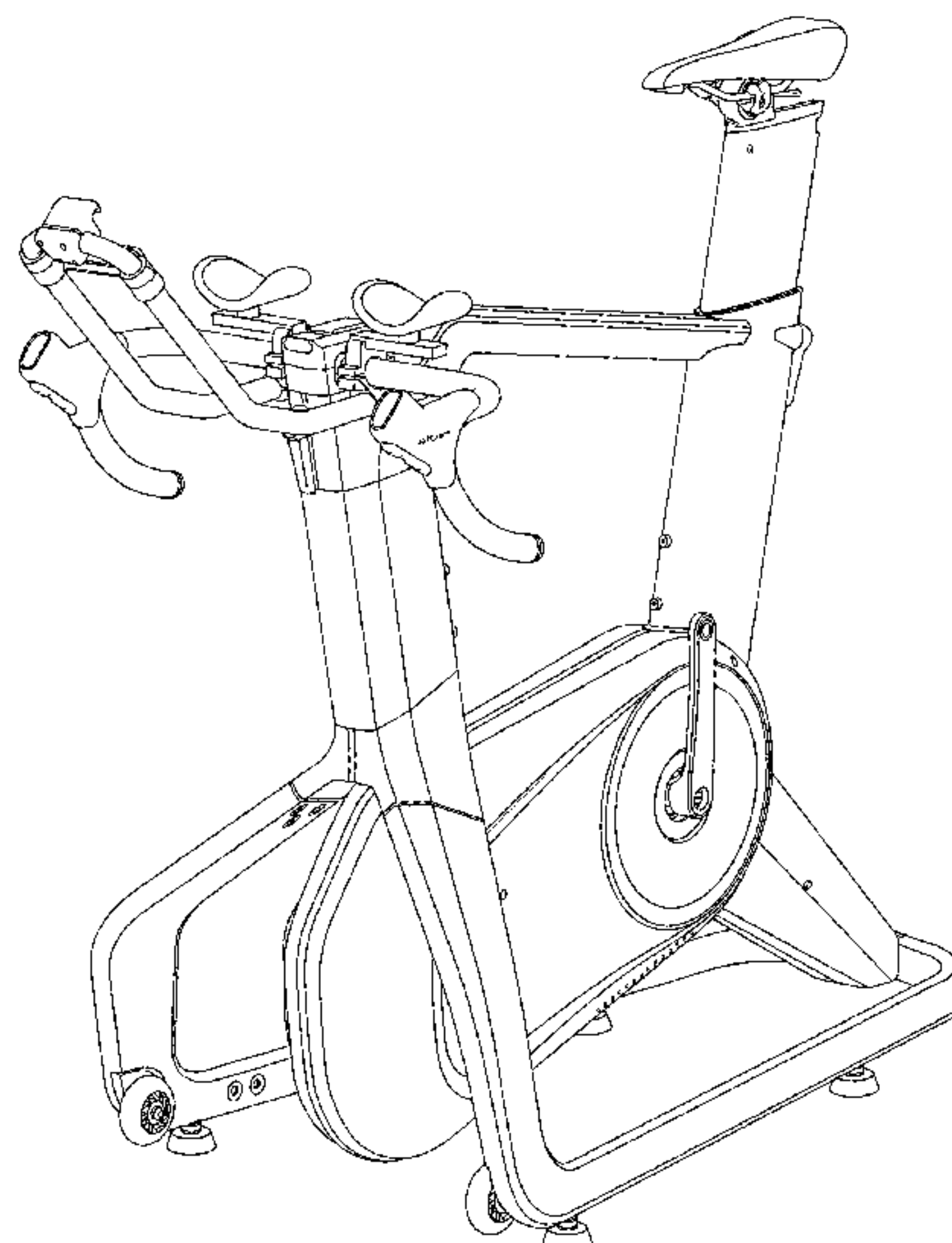
FIG. 5 is a right side view of the bicycle trainer of FIG. 1;

FIG. 6 is left side view of the bicycle trainer of FIG. 1; and,

FIG. 7 is top side view of the bicycle trainer of FIG. 1.

The broken lines shown in the figures are for the purpose of illustrating portions of the bicycle trainer that form no part of the claimed design

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

5,492,513 A * 2/1996 Wang A63B 21/015
482/4
D372,284 S * 7/1996 Wang D21/667
D380,796 S * 7/1997 Wang D21/667
D382,924 S * 8/1997 Wu D21/667
D382,925 S * 8/1997 Wu D21/667
5,735,774 A * 4/1998 Maresh A63B 22/0605
482/52
5,792,026 A * 8/1998 Maresh A63B 22/001
482/51
5,980,431 A * 11/1999 Miller, Jr. A63B 22/0007
482/57
D430,240 S * 8/2000 Chang D21/667
6,126,577 A * 10/2000 Chang A63B 26/003
482/57
D460,794 S * 7/2002 Baker D21/667
D480,119 S * 9/2003 Chen D21/663
6,652,423 B1 * 11/2003 Chen A63B 22/001
482/52
D483,821 S * 12/2003 Yang D21/662
6,659,486 B2 * 12/2003 Eschenbach B62K 3/002
482/57
6,669,603 B1 * 12/2003 Forcillo A63B 21/015
482/51
6,793,608 B2 * 9/2004 Goldberg A63B 22/0605
482/57
6,852,070 B1 * 2/2005 Herbert A63B 71/0009
482/57
6,910,992 B2 * 6/2005 Arguilez A63B 21/285
482/57
7,081,070 B1 * 7/2006 Washington A63B 22/0605
434/61
D526,031 S * 8/2006 Corbalis D21/663
7,172,532 B2 * 2/2007 Baker A63B 22/0605
482/57
7,175,570 B2 * 2/2007 Lull A63B 21/157
482/57
D565,129 S * 3/2008 Chang D21/668
D567,310 S * 4/2008 Chen D21/668
D569,455 S * 5/2008 Dukhande D21/668
7,367,925 B2 * 5/2008 Hsu A63B 22/001
482/52
D571,417 S * 6/2008 Su D21/667
7,413,530 B2 * 8/2008 Warner A63B 21/157
482/57
7,481,746 B2 * 1/2009 Iburguren A63B 22/0605
482/57
D586,409 S * 2/2009 Keiser D21/667
7,488,275 B2 * 2/2009 Warner A63B 21/157
482/57
7,544,154 B2 * 6/2009 Corbalis A63B 22/0605
482/57
D599,863 S * 9/2009 Quijada D21/665
7,582,043 B2 * 9/2009 Liao A63B 22/001
482/51
D606,599 S * 12/2009 Murray D21/668

7,682,286 B2 * 3/2010 Badarneh A63B 26/003
482/57
7,691,035 B2 * 4/2010 Chen A63B 22/001
482/51
D616,050 S * 5/2010 Lull D21/667
7,749,139 B2 * 7/2010 Wang A63B 22/001
482/57
7,785,236 B1 * 8/2010 Lo A63B 21/0051
482/57
D624,612 S * 9/2010 Watt D21/667
D625,762 S * 10/2010 Fon D21/667
7,905,817 B2 * 3/2011 Giannascoli A63B 69/16
482/51
D636,449 S * 4/2011 Wu D21/667
8,062,183 B2 * 11/2011 Rice A63B 22/02
482/1
8,210,993 B2 * 7/2012 Lee A63B 21/225
482/52
8,257,230 B2 * 9/2012 Chen A63B 21/0125
482/51
D672,827 S * 12/2012 Alessandri D21/663
D675,687 S * 2/2013 Fischer D21/663
D676,508 S * 2/2013 Wu D21/667
D677,349 S * 3/2013 Baudhuin D21/667
D677,746 S * 3/2013 Baudhuin D21/667
D682,371 S * 5/2013 Baudhuin D21/667
8,585,561 B2 * 11/2013 Watt A63B 21/0051
482/57
8,808,149 B2 * 8/2014 Huang A63B 22/04
482/52
8,870,716 B2 * 10/2014 Murray A63B 21/15
482/51
9,199,115 B2 * 12/2015 Yim A63B 22/001
D794,142 S * 8/2017 Zhou D21/663
D794,724 S * 8/2017 Tasca D21/663
9,889,336 B1 * 2/2018 Chen A63B 22/0605
9,950,209 B2 * 4/2018 Yim A63B 22/0664
2006/0003872 A1 1/2006 Chiles
2008/0103030 A1 5/2008 Watson
2010/0035726 A1 2/2010 Fisher
2011/0111923 A1 5/2011 Bacanovic
2013/0210582 A1 8/2013 Del Toro
2014/0106936 A1 4/2014 Puerschel

FOREIGN PATENT DOCUMENTS

JP 2003231491 8/2003
TW M295528 U 2/1995
TW I369224 B 8/2012
TW D163790 S 10/2014
TW D167127 S 4/2015

OTHER PUBLICATIONS

ProForm; ProForm TDF 5.0 Cycle; found at <https://www.proformfitness.co.uk/exercise-bike/tour-de-france-series/proform-tdf-pro-50>; available from Aug. 15, 2019.

* cited by examiner

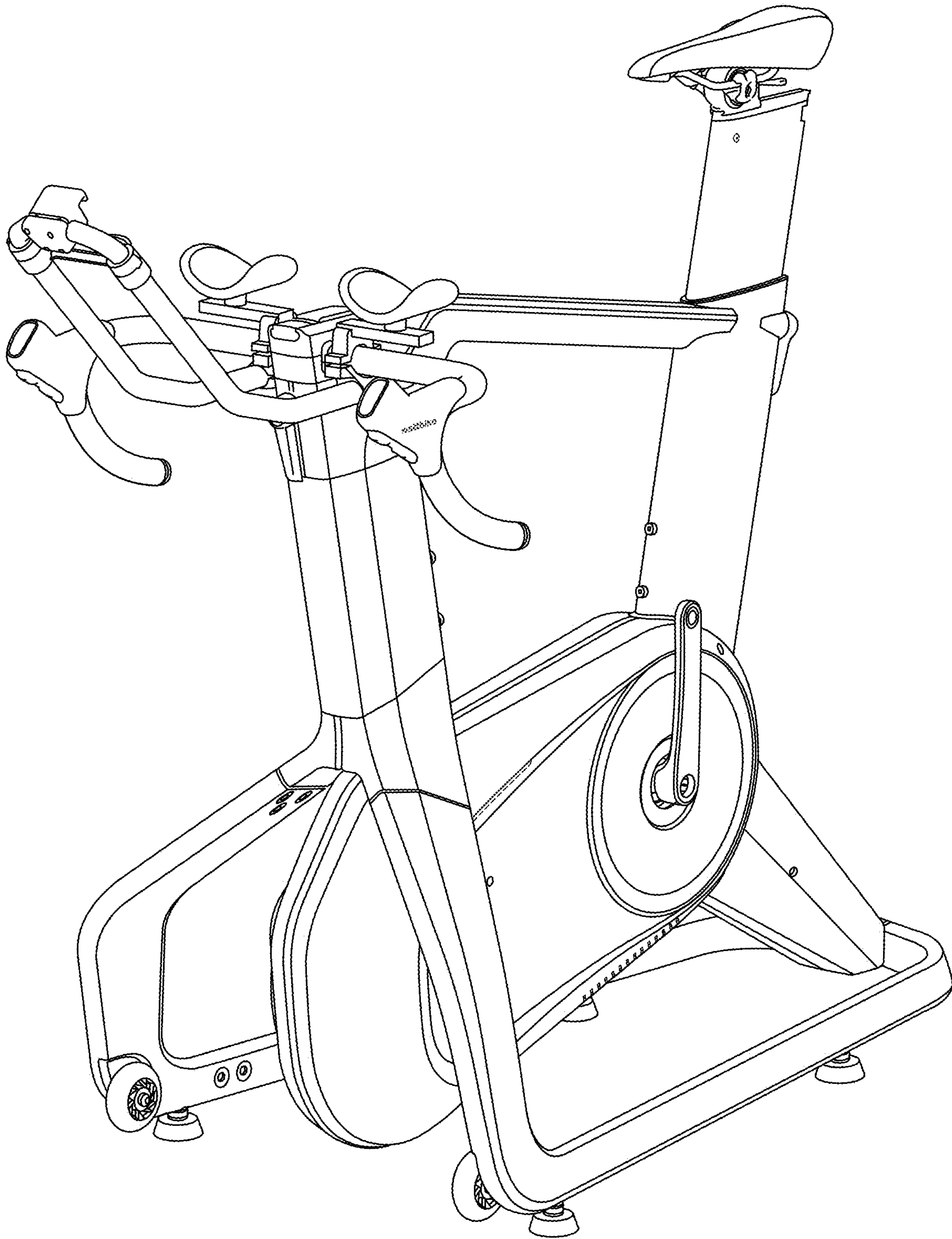


Fig. 1

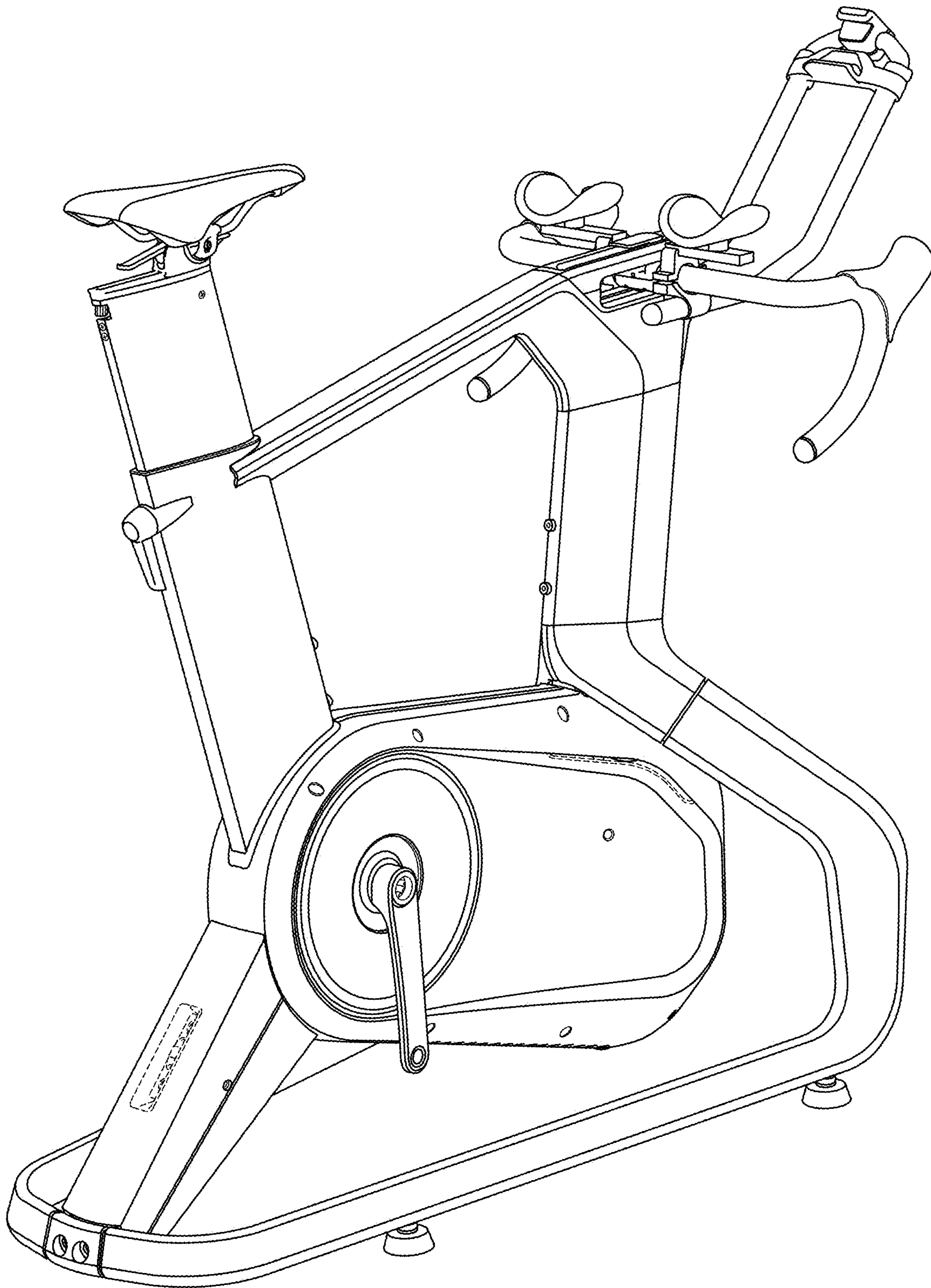


Fig. 2

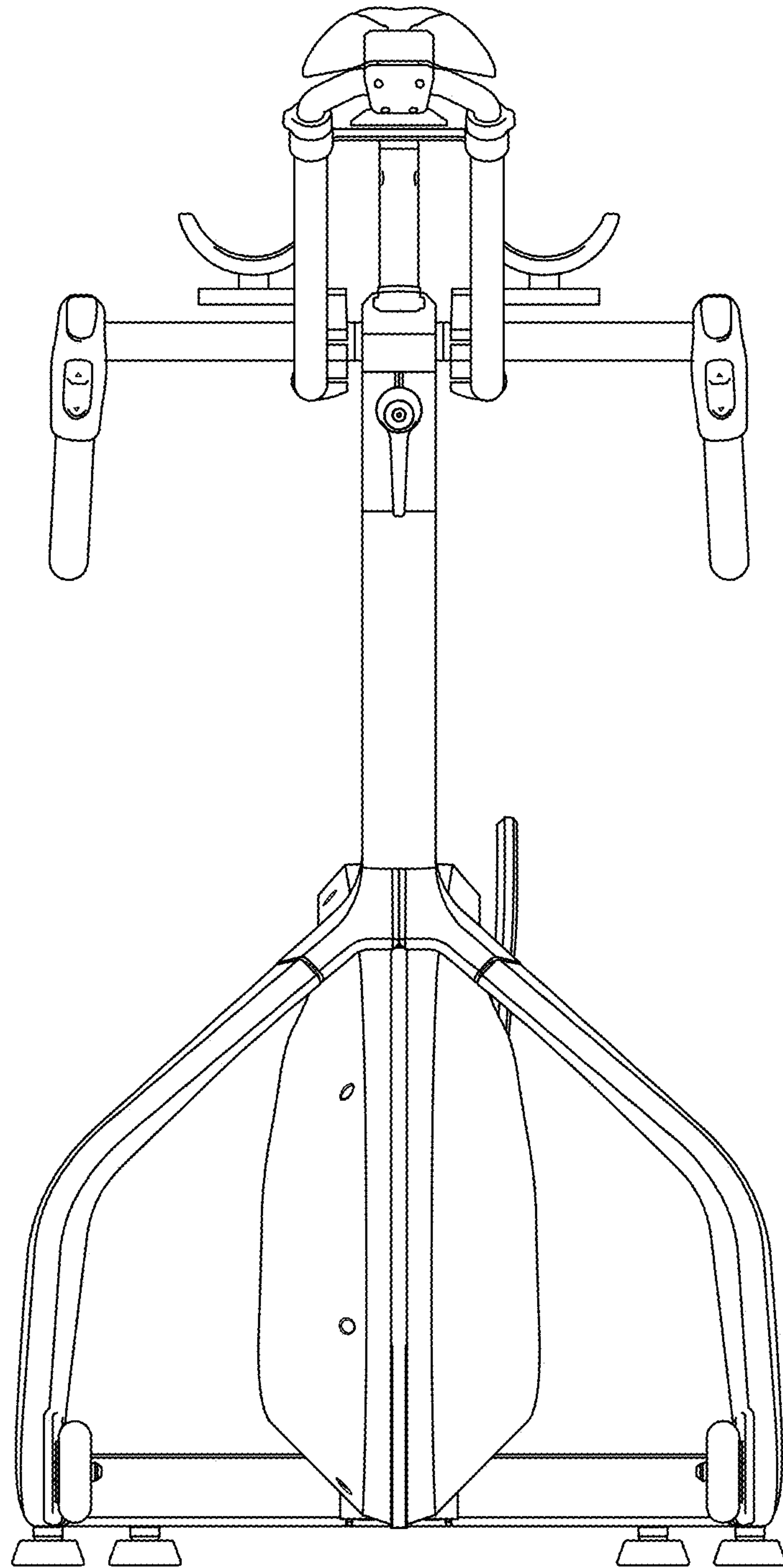


Fig. 3

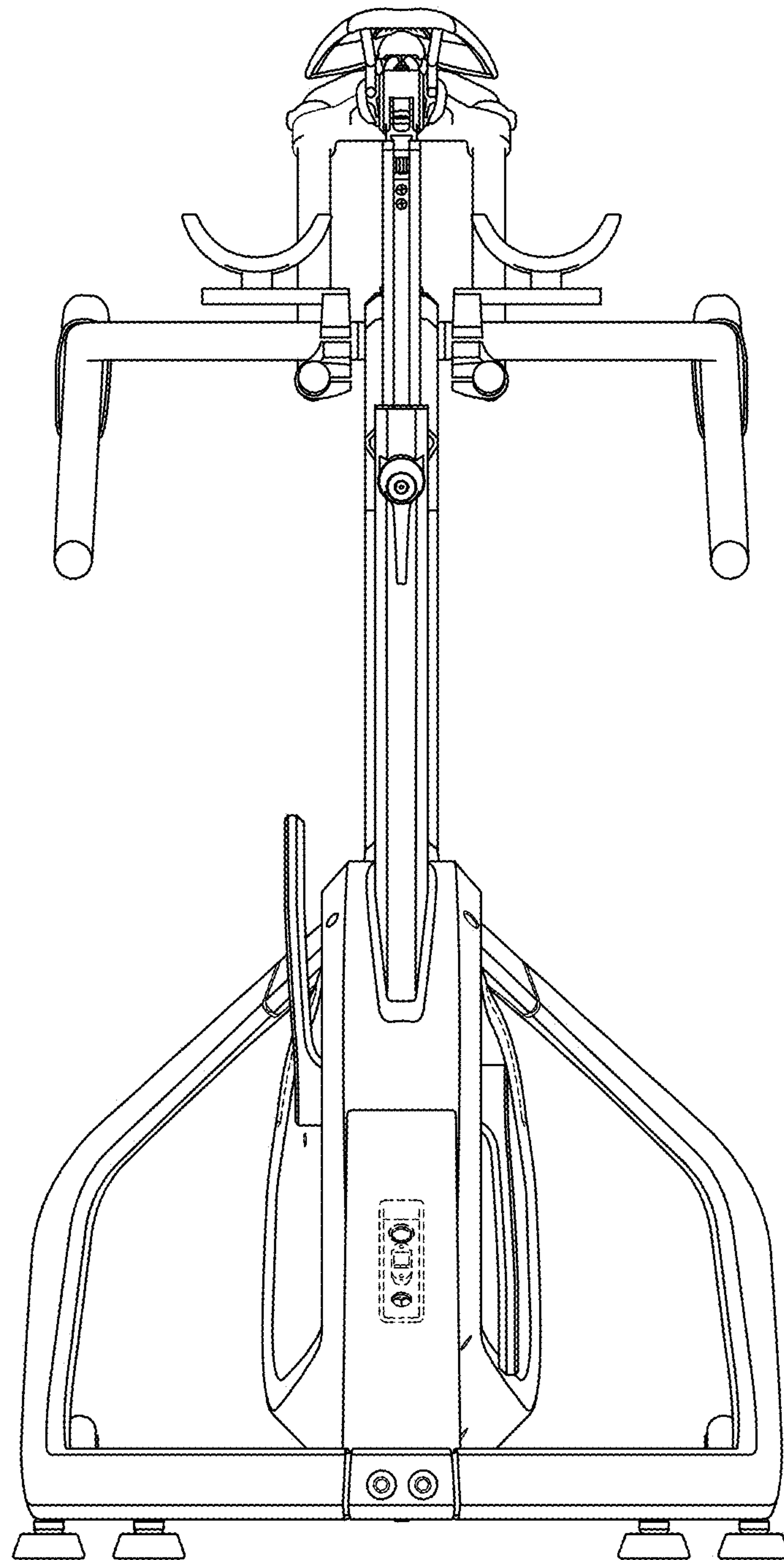


Fig. 4

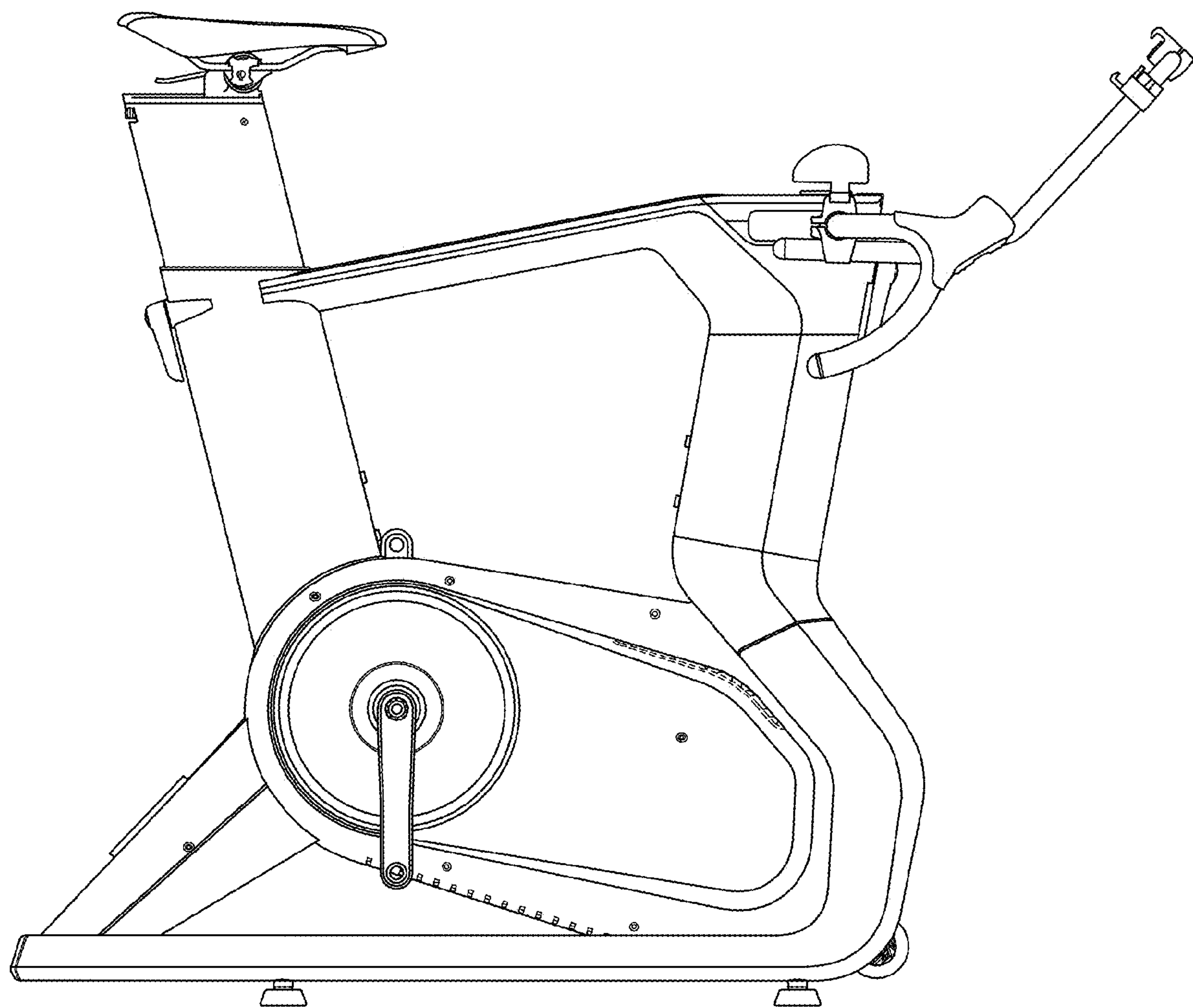


Fig. 5

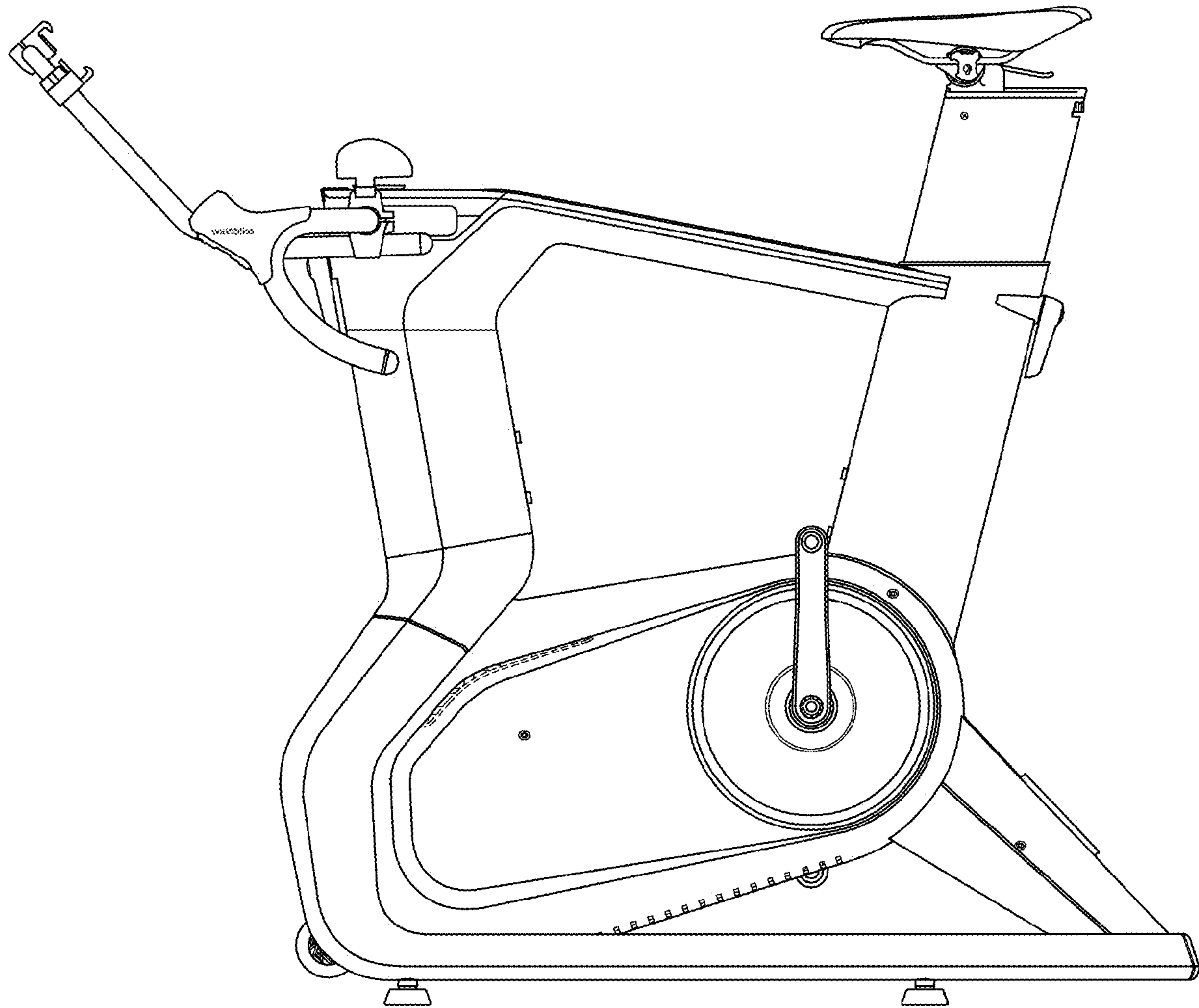


Fig. 6

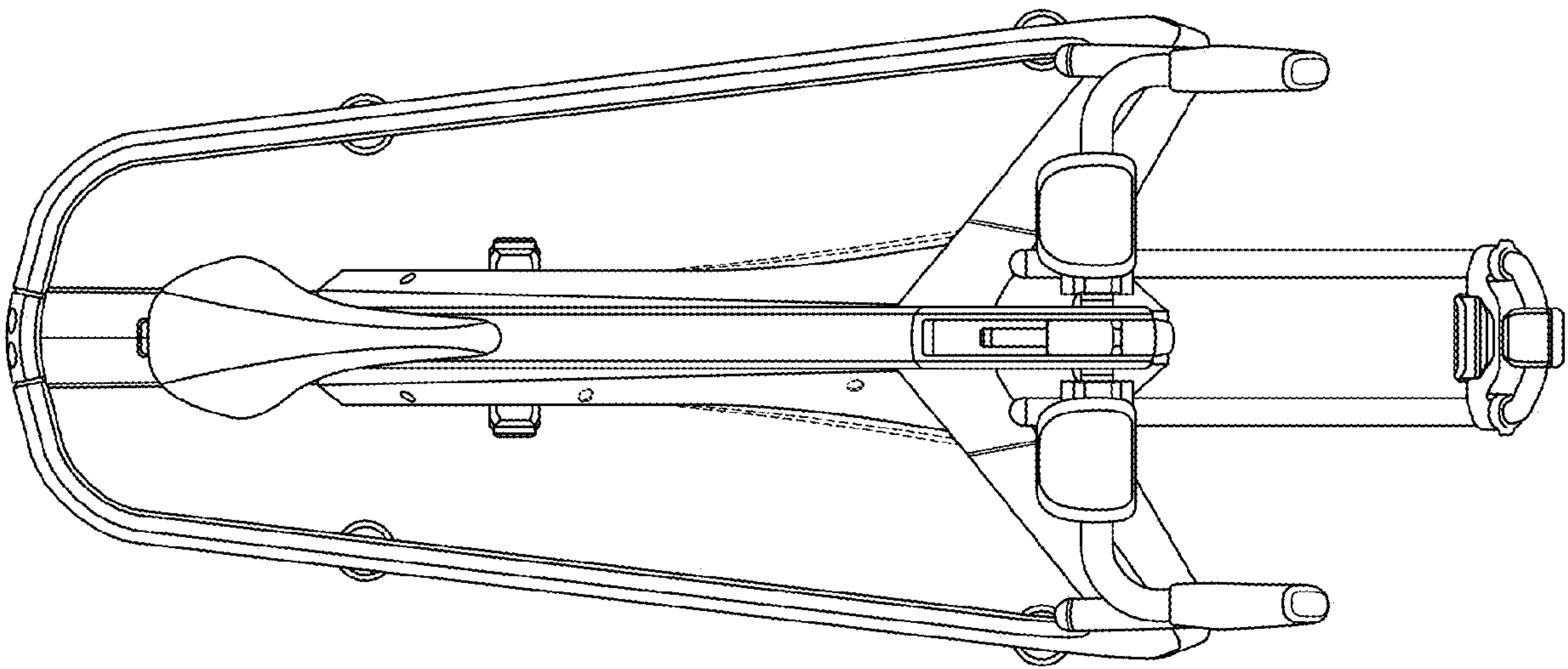


Fig. 7