



US00D881298S

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

(10) **Patent No.:** **US D881,298 S**

(45) **Date of Patent:** **** Apr. 14, 2020**

- (54) **HAND EXERCISE APPARATUS**
- (71) Applicant: **Gary Poillucci**, Watertown, MA (US)
- (72) Inventor: **Gary Poillucci**, Watertown, MA (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/658,279**
- (22) Filed: **Jul. 30, 2018**
- (51) **LOC (12) Cl.** **21-02**
- (52) **U.S. Cl.**
USPC **D21/684**; D24/190
- (58) **Field of Classification Search**
USPC D21/662, 677, 682, 683, 684, 686, 694;
D24/190
CPC A63B 23/16; A63B 23/14; A63B 21/4021;
A63B 21/4019; A63B 71/141
See application file for complete search history.

| | | |
|--------------|---------|---------------------|
| 5,380,259 A | 1/1995 | Robertson et al. |
| 5,392,649 A | 2/1995 | Yoo |
| 5,431,611 A | 7/1995 | Silagy |
| 5,445,582 A | 8/1995 | Brown |
| 5,451,191 A | 9/1995 | Beenken |
| 5,454,769 A | 10/1995 | Chen |
| 5,472,407 A | 12/1995 | Schenck |
| 5,533,949 A | 7/1996 | Hwang |
| D374,469 S * | 10/1996 | Barra D21/684 |
| 5,582,402 A | 12/1996 | Gilford |
| 5,613,927 A | 3/1997 | Rothacker |

(Continued)

(56) **References Cited**
U.S. PATENT DOCUMENTS

| | | |
|--------------|---------|-------------------|
| 2,634,976 A | 4/1953 | Mock |
| 2,832,334 A | 4/1958 | Whitelaw |
| 3,782,719 A | 1/1974 | Kuhlman |
| 3,953,026 A | 4/1976 | Stokely |
| 3,982,757 A | 9/1976 | McDonnell |
| 4,039,183 A | 8/1977 | Sakurada |
| 4,310,154 A | 1/1982 | Kauffman |
| 4,343,465 A | 8/1982 | Allen |
| 4,456,002 A | 6/1984 | Barber et al. |
| 4,589,655 A | 5/1986 | Ammon |
| 4,678,181 A | 7/1987 | Ditsch et al. |
| 4,679,548 A | 7/1987 | Pecheux |
| D294,176 S * | 2/1988 | Tyo D24/190 |
| 4,724,827 A | 2/1988 | Schenck |
| 4,772,012 A | 9/1988 | Chesher |
| 4,836,531 A | 6/1989 | Niks |
| 4,875,469 A | 10/1989 | Brook et al. |
| 5,100,126 A | 3/1992 | Liou |
| 5,358,471 A | 10/1994 | Klotz |
| 5,364,323 A | 11/1994 | Liu |

FOREIGN PATENT DOCUMENTS

JP 2004008349 1/2004

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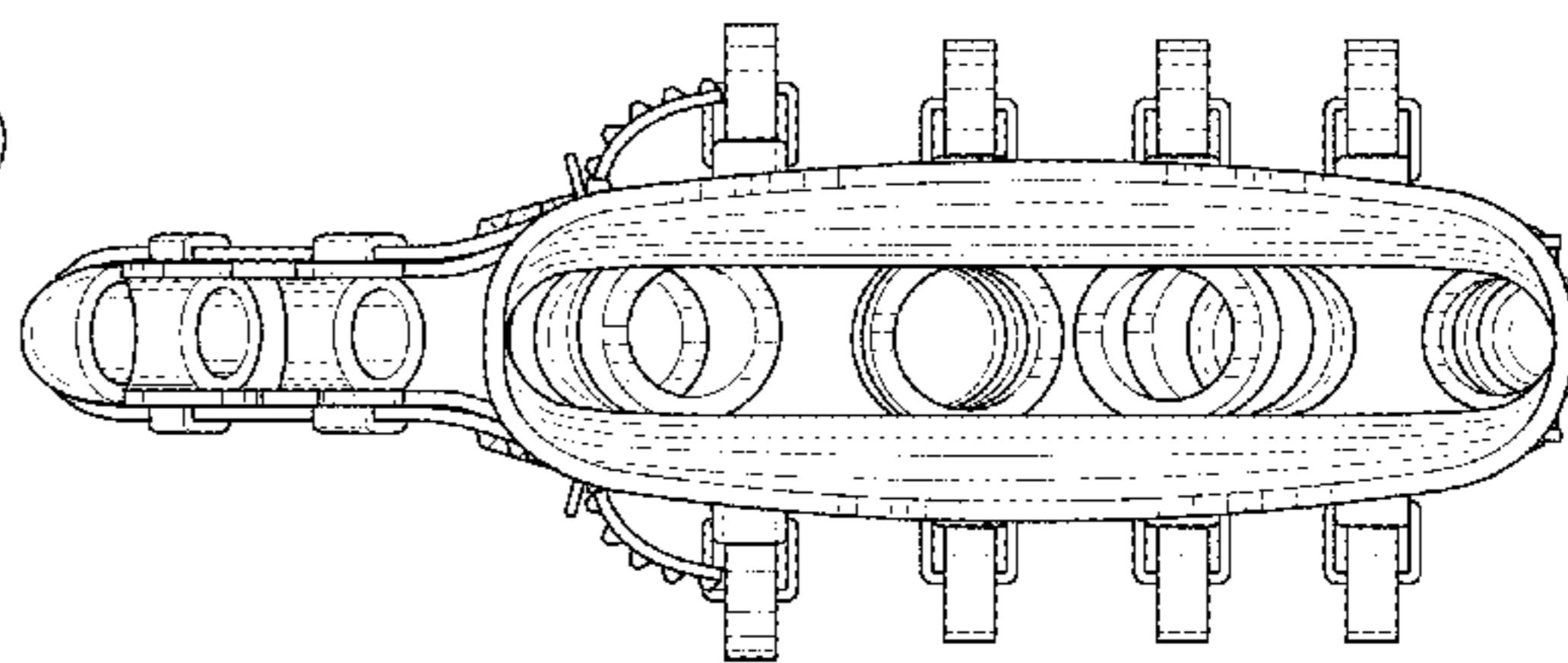
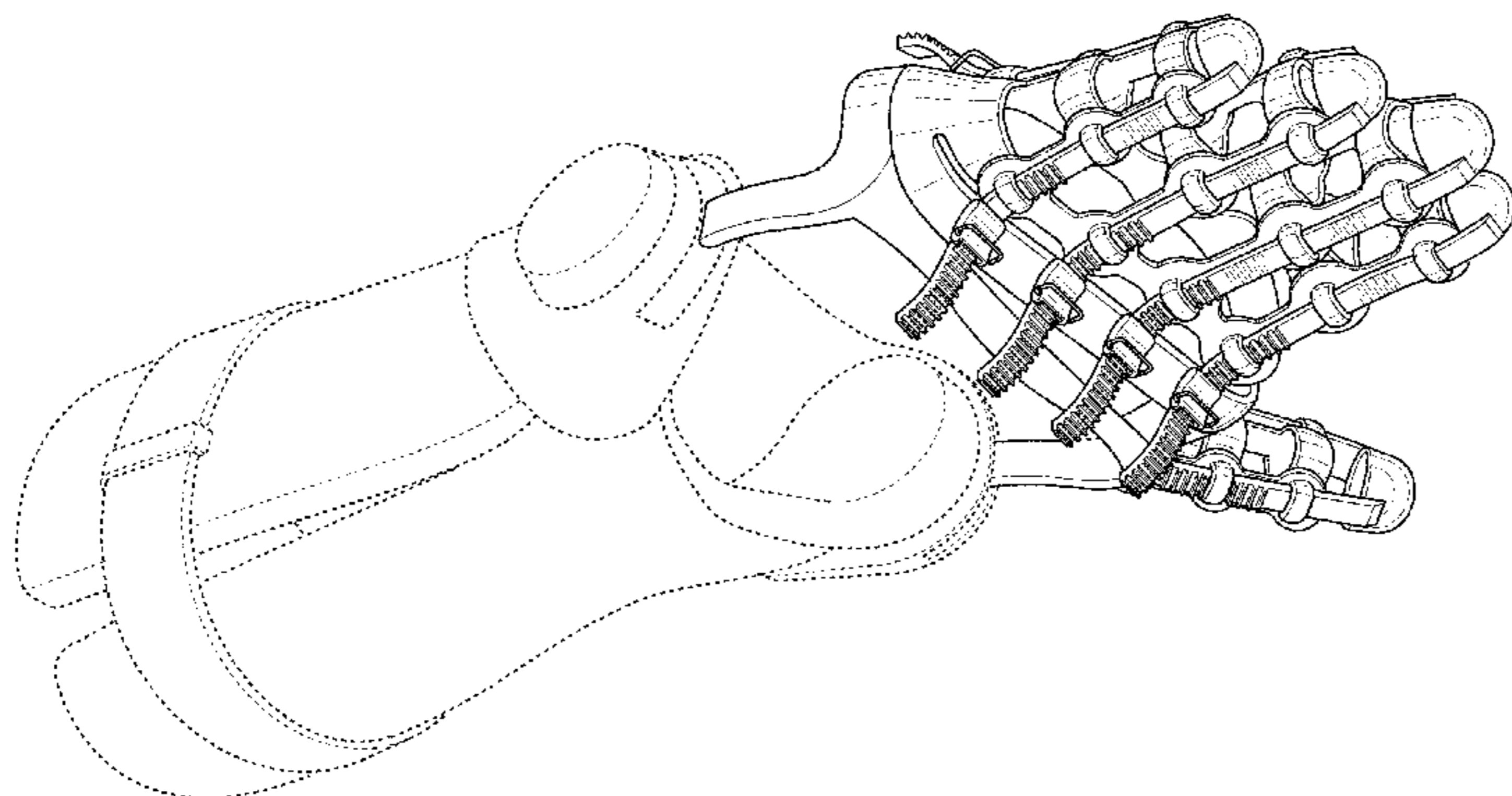
(57) **CLAIM**

The ornamental design for a hand exercise apparatus, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a hand exercise apparatus showing my new design;
 FIG. 2 is a left elevation view thereof;
 FIG. 3 is a right elevation view thereof;
 FIG. 4 is a rear side elevation view thereof;
 FIG. 5 is a front side elevation view thereof;
 FIG. 6 is a top plan view thereof;
 FIG. 7 is a bottom plan view thereof; and,
 FIG. 8 is a perspective view of a hand exercise apparatus showing my new design, but adapted for a left hand.
 The broken lines shown in the drawings are for the purpose of illustrating portions of the hand exercise apparatus, which form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | | | |
|----------------|---------|----------------|-------------------|---------|------------------|-------|-------------|
| 5,683,351 A | 11/1997 | Kaiser et al. | 8,622,939 B2 * | 1/2014 | Nguyen | ..... | A61H 1/0288 |
| 5,752,896 A | 5/1998 | White | | | | | 482/44 |
| 6,146,341 A | 11/2000 | Sato et al. | 8,678,984 B1 | 3/2014 | Poillucci | | |
| D436,148 S * | 1/2001 | Villepigue | 8,998,833 B1 * | 4/2015 | AlSaffar | ..... | A61F 5/013 |
| 6,179,749 B1 | 1/2001 | Thorn et al. | | | | | 602/20 |
| 6,196,956 B1 | 3/2001 | Brown | D809,614 S * | 2/2018 | Chiu | ..... | D21/684 |
| 6,241,643 B1 | 6/2001 | Loft et al. | D824,527 S * | 7/2018 | Fried | ..... | D24/190 |
| 6,443,874 B1 | 9/2002 | Bennett | D842,942 S * | 3/2019 | Phillips | ..... | D21/684 |
| 6,467,737 B1 | 10/2002 | Dorantes | D858,661 S * | 9/2019 | Wang | ..... | D21/684 |
| 6,547,193 B2 | 4/2003 | Money et al. | D860,340 S * | 9/2019 | Jones | ..... | D21/683 |
| 6,740,051 B2 | 5/2004 | Hepburn et al. | 10,423,227 B2 * | 9/2019 | Gu | ..... | G06F 3/016 |
| 6,827,653 B2 | 12/2004 | Be | D865,086 S * | 10/2019 | Poillucci | ..... | D21/694 |
| 6,921,352 B1 | 7/2005 | Stearns | 10,478,370 B2 * | 11/2019 | Kemper | ..... | A61F 5/013 |
| 7,416,520 B1 | 8/2008 | Danowski | 2005/0037897 A1 | 2/2005 | Chen | | |
| 7,537,547 B1 | 5/2009 | Hosick et al. | 2006/0178247 A1 | 8/2006 | Liu | | |
| 8,491,447 B1 * | 7/2013 | Koranic | 2007/0072739 A1 | 3/2007 | Kaufman | | |
|  |  | ..... | 2009/0197741 A1 | 8/2009 | Poillucci et al. | | |
| | | A63B 21/0421 | 2009/0318269 A1 | 12/2009 | D'Addario et al. | | |
| | | 482/44 | 2016/0259417 A1 * | 9/2016 | Gu | ..... | G06F 3/016 |
| 8,603,018 B2 * | 12/2013 | Anglada | 2016/0296345 A1 * | 10/2016 | Deshpande | ..... | A61H 1/0288 |
|  |  | ..... | 2019/0152049 A1 * | 5/2019 | Luijten | ..... | A61B 5/225 |
| | | A61F 5/013 | | | | | |
| | | 473/213 | | | | | |

* cited by examiner

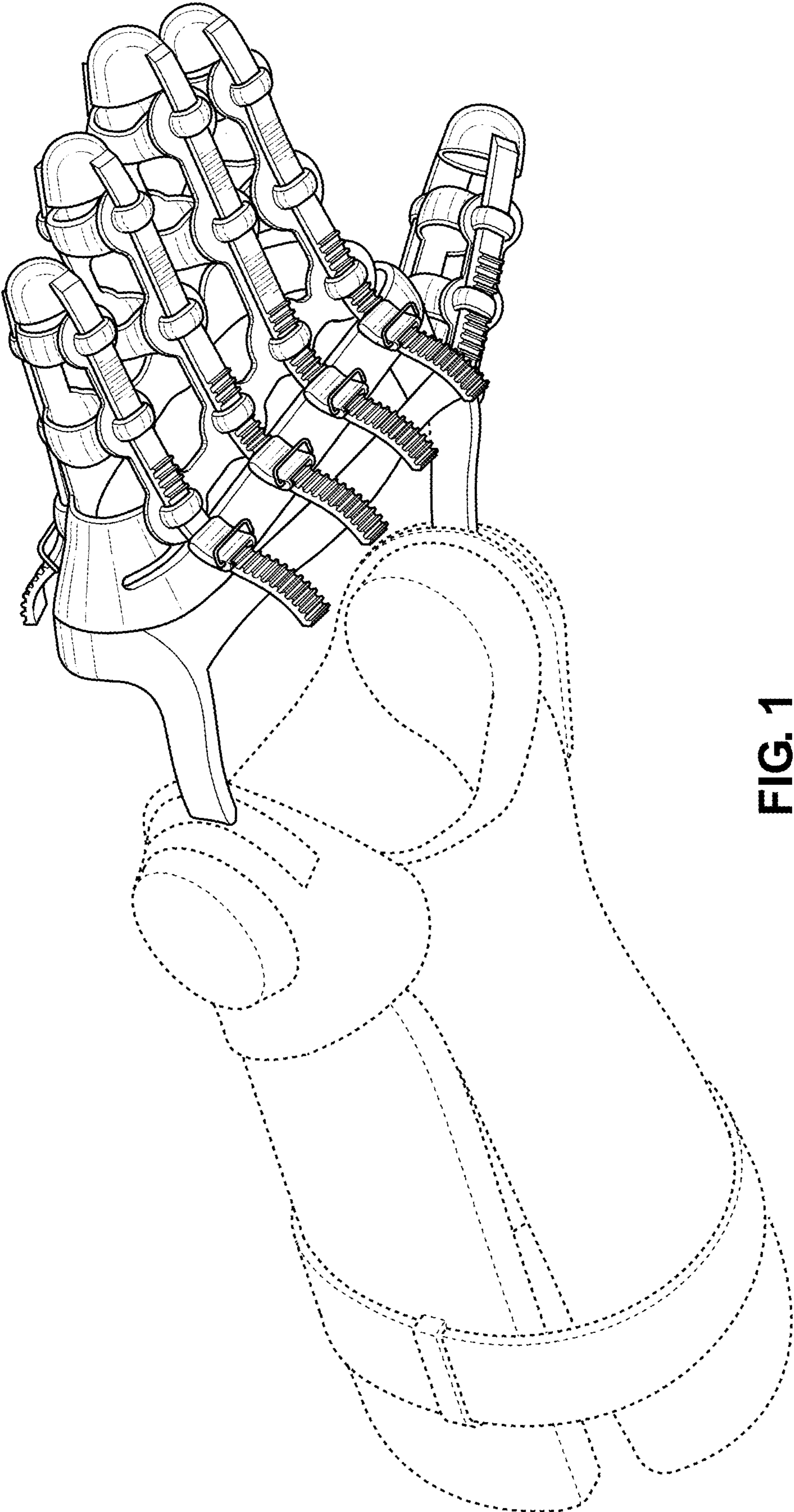


FIG. 1

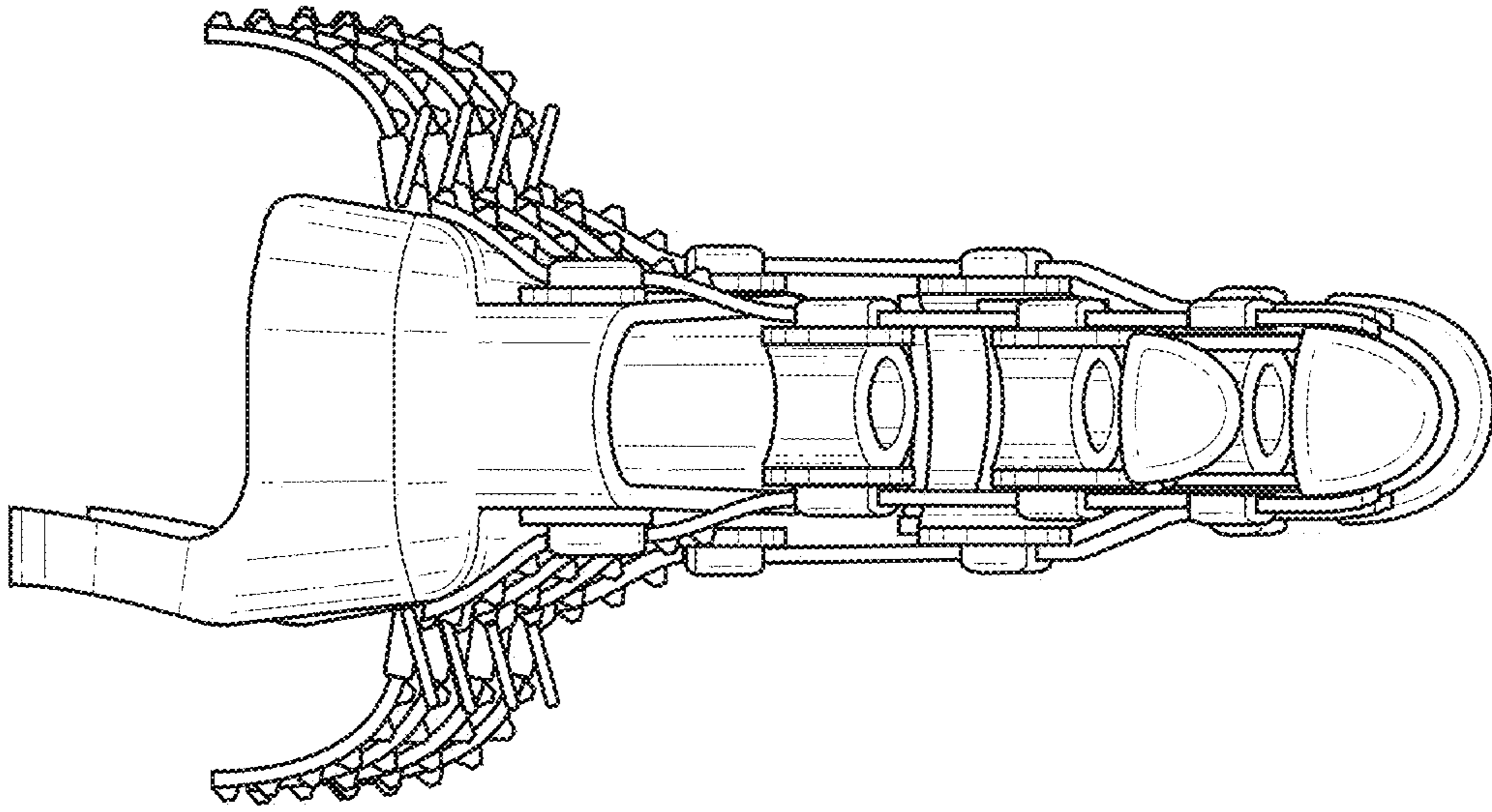


FIG. 2

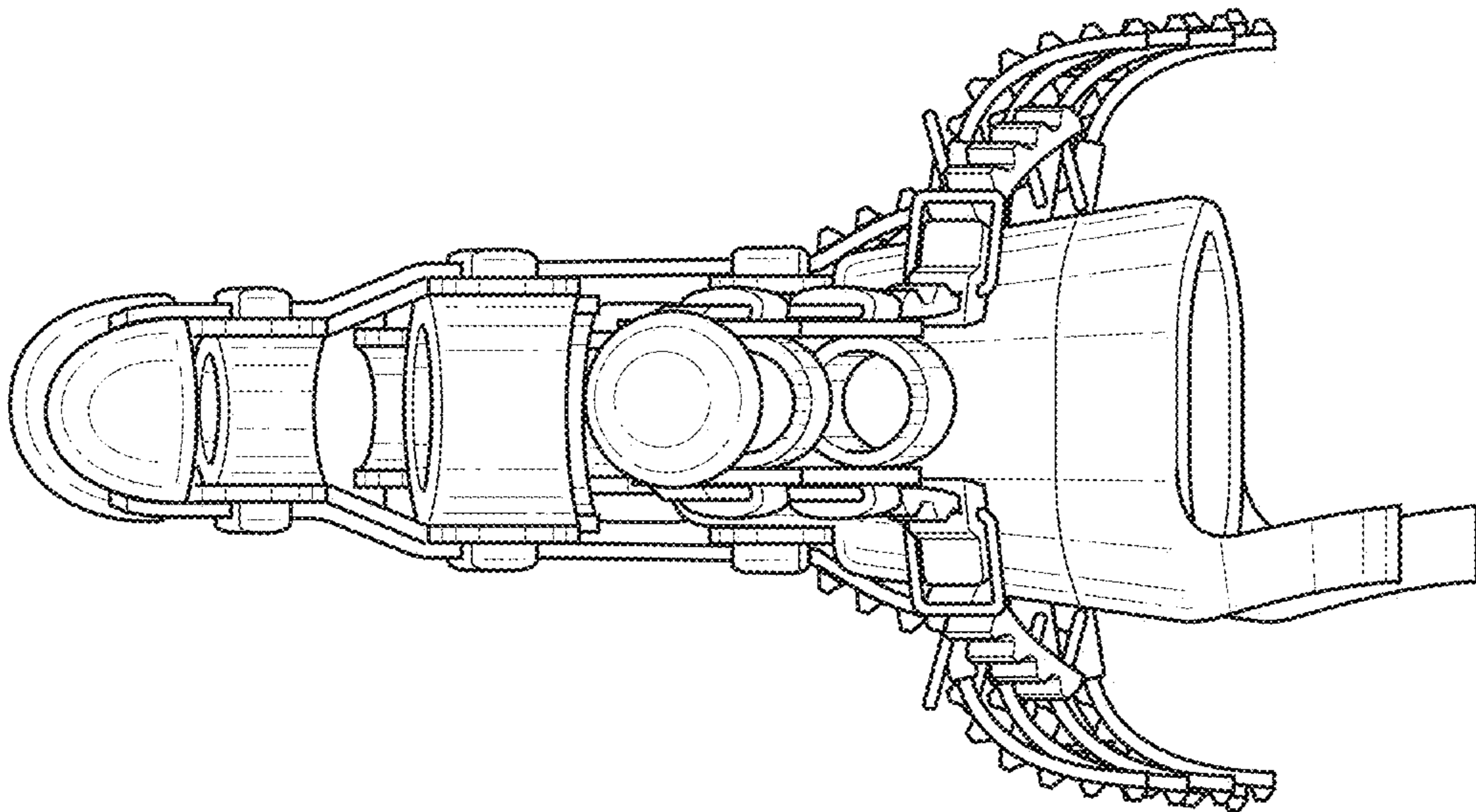


FIG. 3

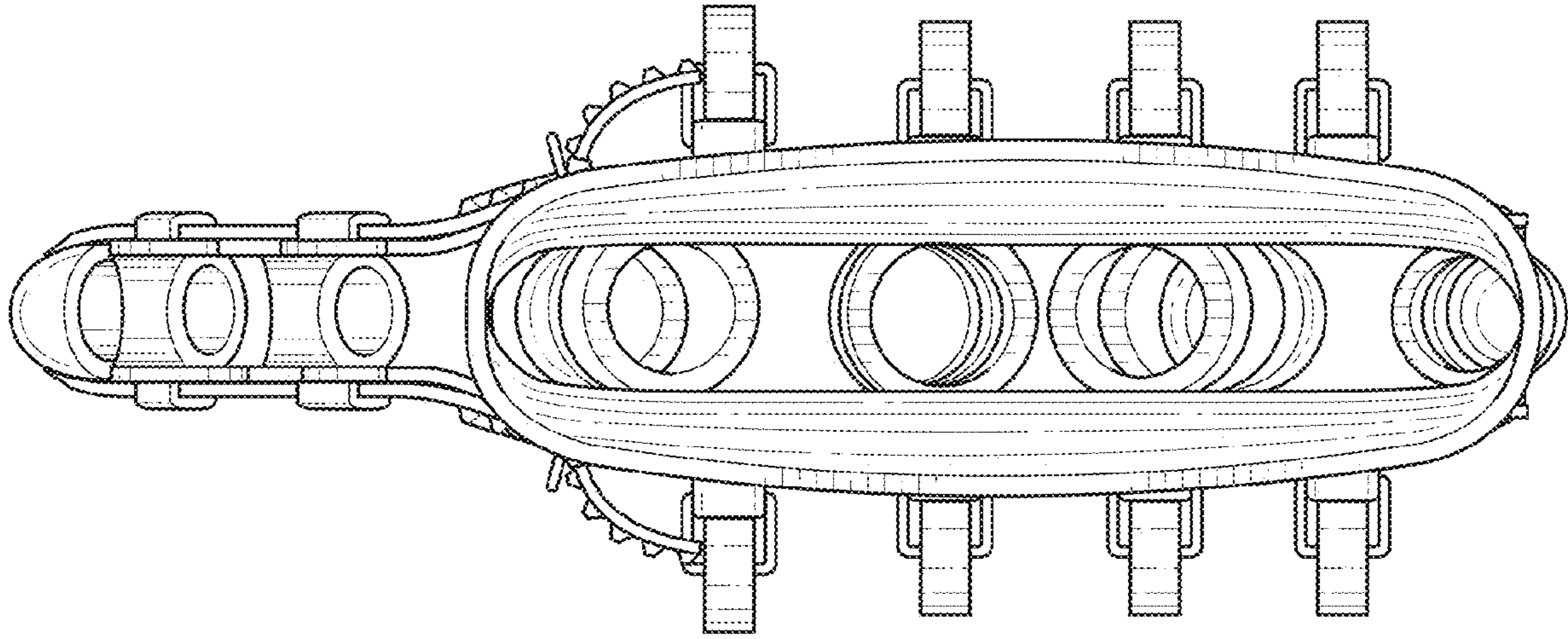


FIG. 4

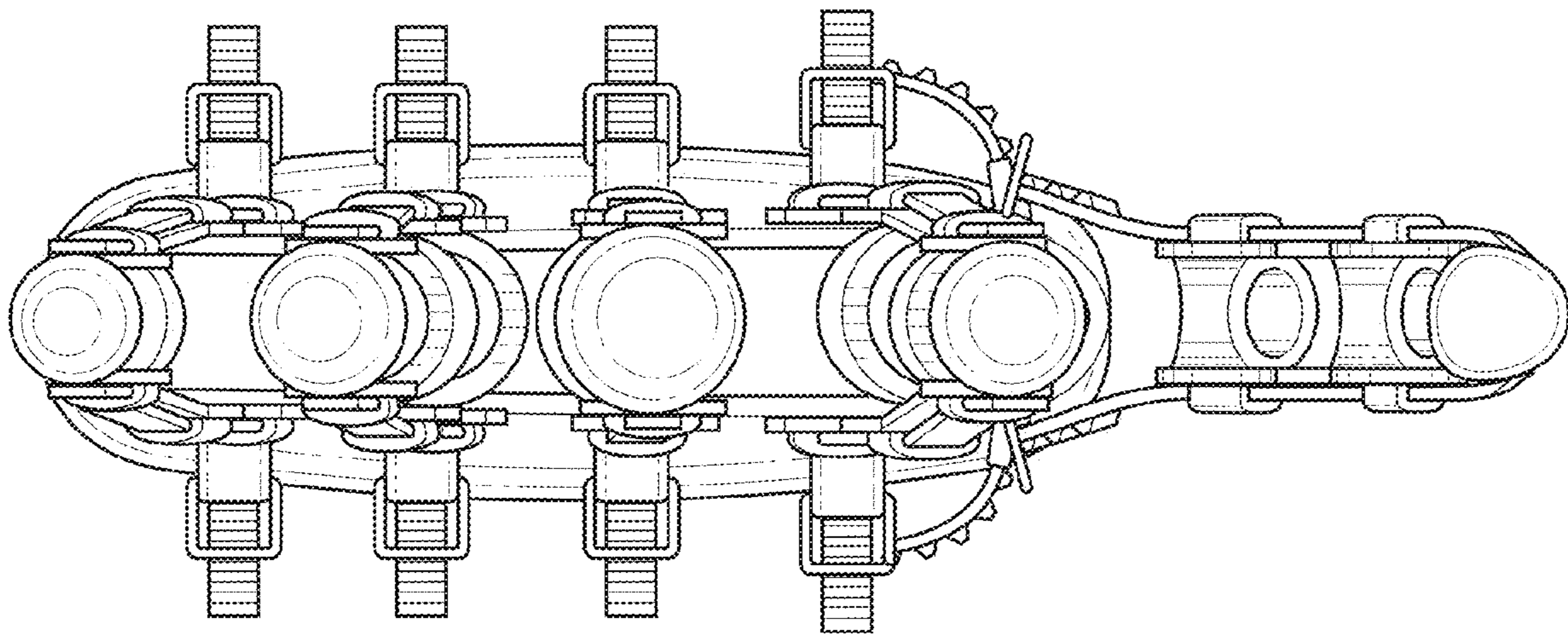


FIG. 5

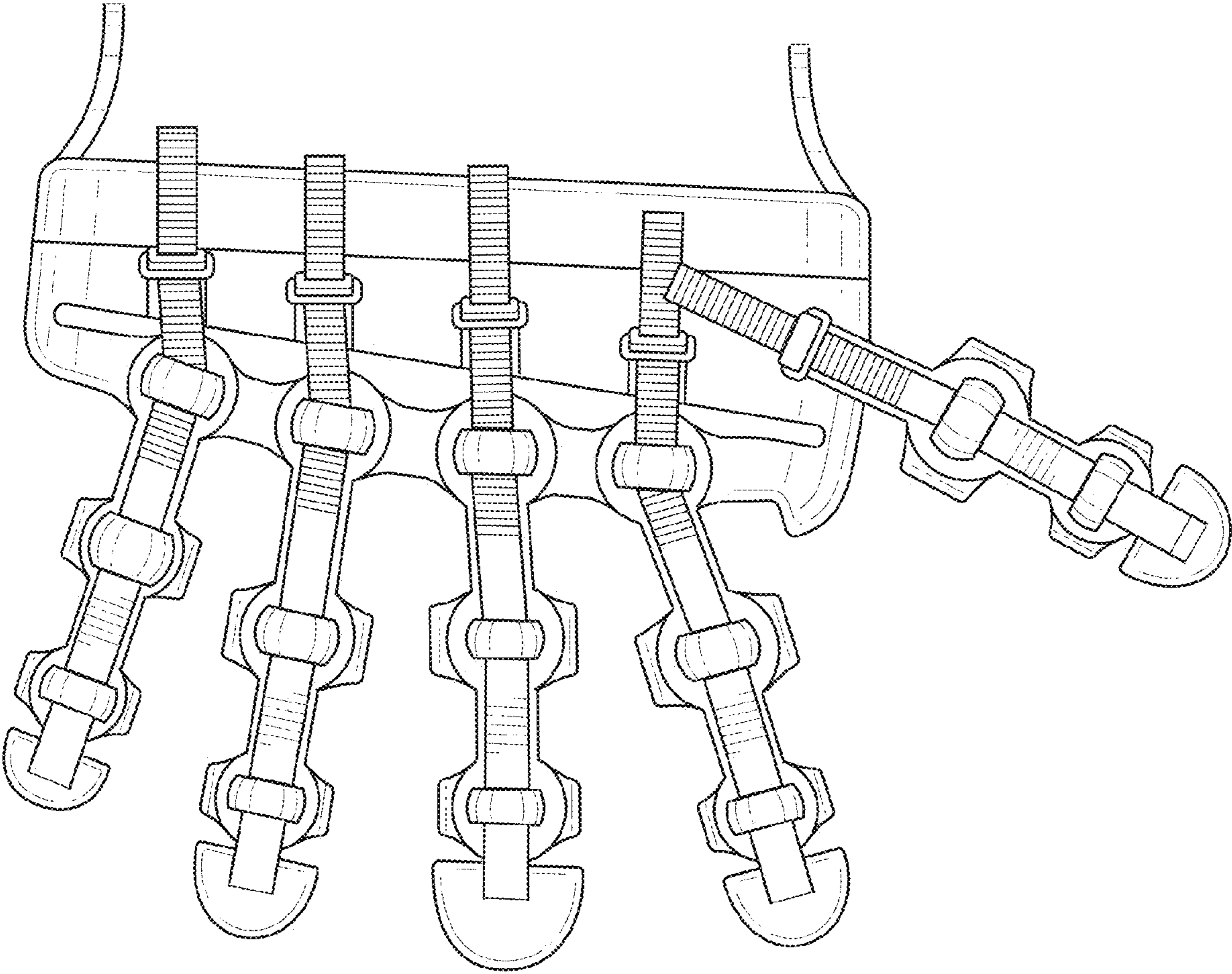


FIG. 6

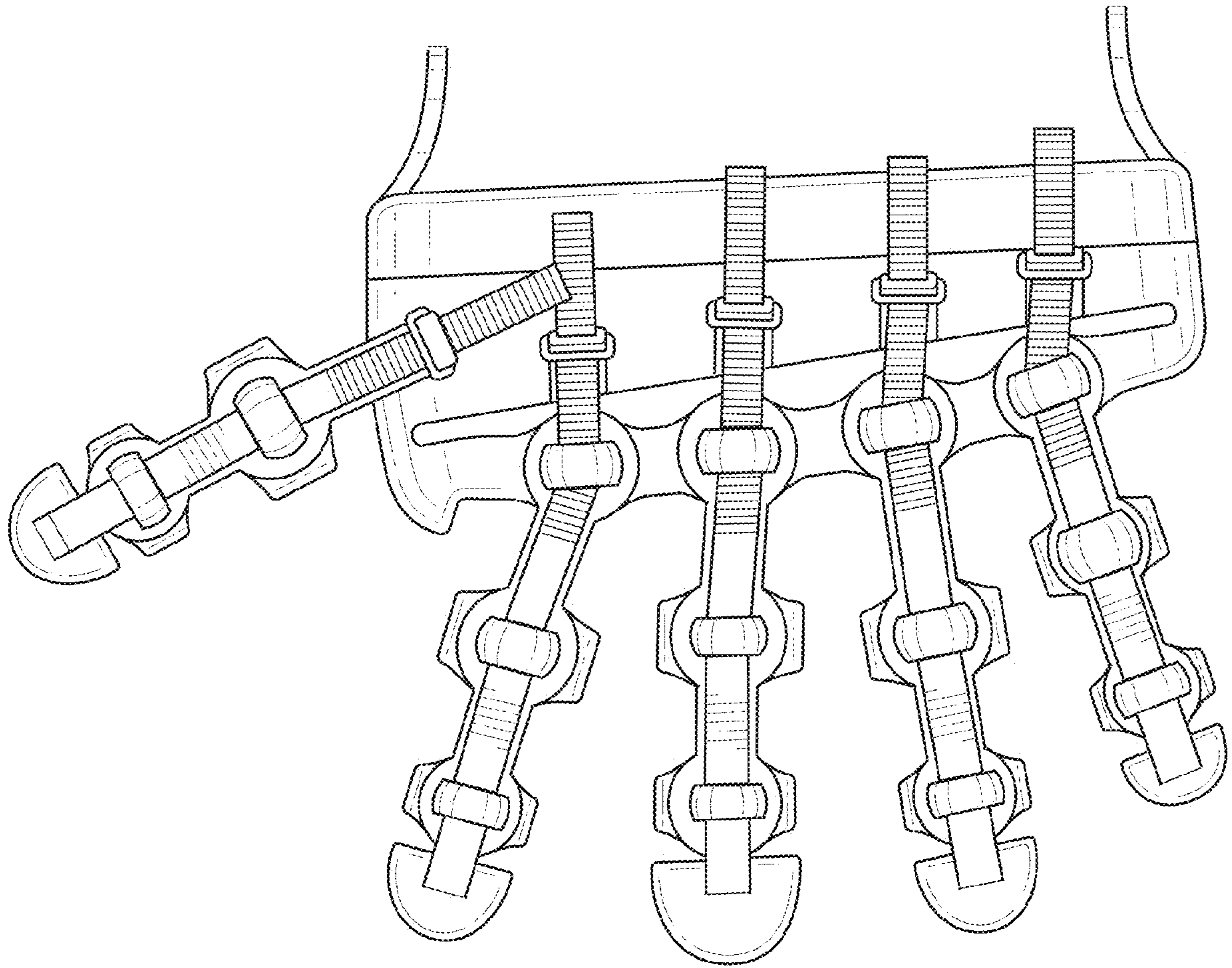


FIG. 7

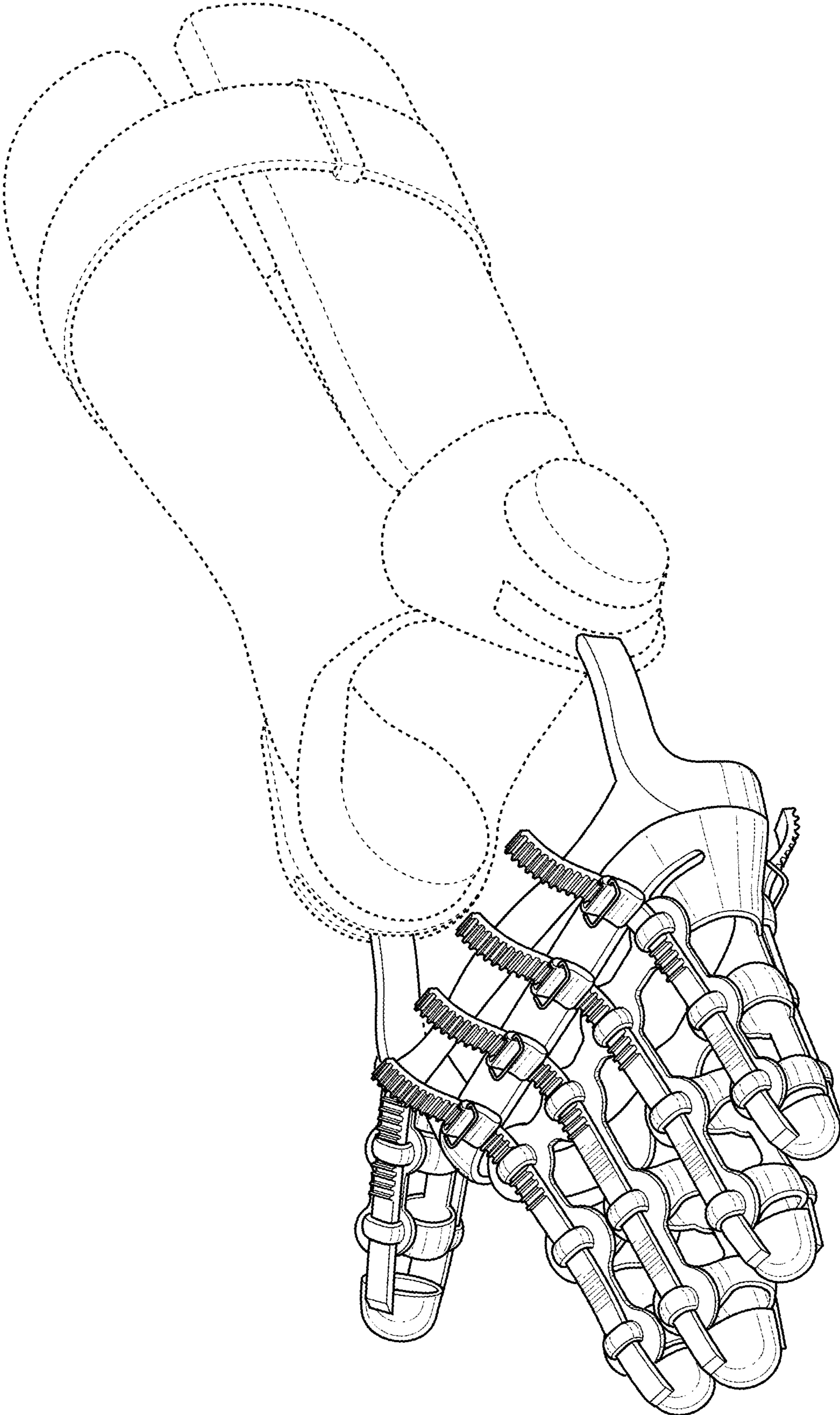


FIG. 8