



US00D898203S

(12) **United States Design Patent** (10) **Patent No.:** **US D898,203 S**
Marcil (45) **Date of Patent:** **** Oct. 6, 2020**

(54) **ULTRASOUND IMAGING PROBE HOLDER**

(71) Applicant: **Elekta LTD.**, Montreal (CA)

(72) Inventor: **Francois Marcil**, Montreal (CA)

(73) Assignee: **Elekta LTD**, Montreal, Quebec (CA)

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

(21) Appl. No.: **29/635,179**

(22) Filed: **Jan. 29, 2018**

(51) **LOC (12) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/187**

(58) **Field of Classification Search**
USPC D24/133, 144, 158, 169, 186, 187, 209,
D24/231; D29/130
CPC A61B 8/4218; A61B 8/4209
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | |
|---------------|---------|-------------------|------------------------|
| 2,306,031 A | 12/1942 | Anderson et al. | |
| D264,874 S | 6/1982 | Augustsson et al. | |
| D286,073 S | 10/1986 | Russell | |
| 4,615,516 A | 10/1986 | Stulberg et al. | |
| D310,278 S | 8/1990 | Quinlan | |
| D386,584 S | 11/1997 | Frei | |
| D393,069 S | 3/1998 | Jope | |
| D413,982 S | 9/1999 | Swedberg et al. | |
| D415,281 S | 10/1999 | Swedberg et al. | |
| 5,980,828 A * | 11/1999 | McClintock | B01L 3/5023 422/417 |
| D422,782 S | 4/2000 | Howlett et al. | |
| D462,446 S * | 9/2002 | Felix | D24/187 |
| D463,858 S | 10/2002 | Sherrod et al. | |
| D465,577 S | 11/2002 | Kato et al. | |
| D500,142 S * | 12/2004 | Crisanti | D24/216 |
| D546,956 S | 7/2007 | Buethorn | |
| D550,850 S | 9/2007 | Buethorn | |
| D551,353 S | 9/2007 | Buethorn | |

| | | | |
|--------------|---------|---------------|---------|
| D558,889 S * | 1/2008 | Doll | D24/232 |
| D601,250 S * | 9/2009 | Haunschuld | D24/133 |
| D625,421 S | 10/2010 | Sharps et al. | |
| D673,689 S * | 1/2013 | Pierce | D24/216 |
| D690,016 S | 9/2013 | Ratner | |

(Continued)

FOREIGN PATENT DOCUMENTS

| | | |
|----|------------------|--------|
| CN | 110090363 | 8/2019 |
| WO | WO-2014018983 A1 | 1/2014 |

OTHER PUBLICATIONS

Bionix Radiation Therapy, "Comfort Hold Foot Positioner RT-6030-30-03", [Online]. Retrieved from the Internet: <URL: www.BionixRT.com>, 2 pgs.

(Continued)

Primary Examiner — Susan Bennett Hattan
Assistant Examiner — Omeed Agilee
(74) *Attorney, Agent, or Firm* — Schwegman Lundberg & Woessner, P.A.; Sanjay Agrawal

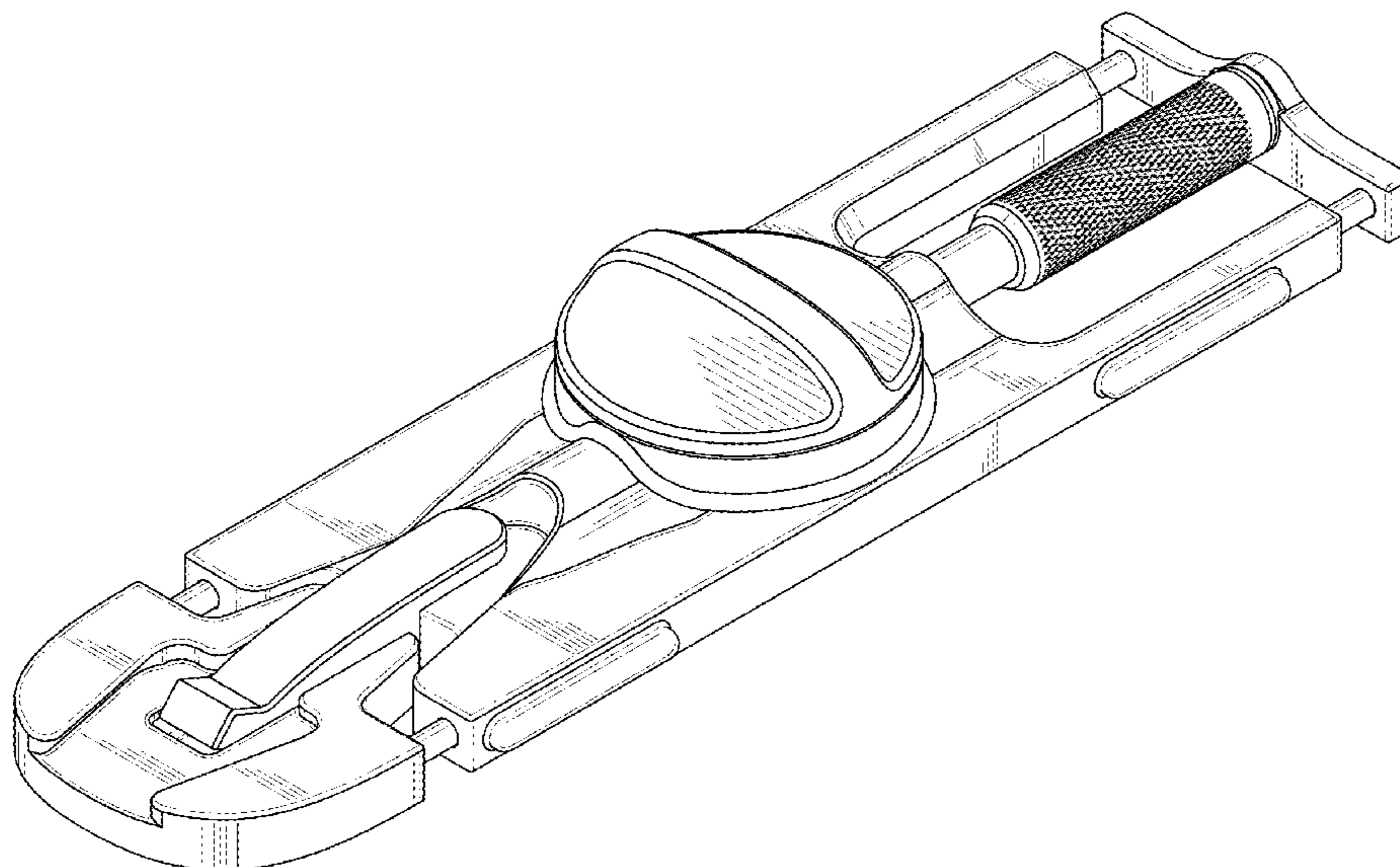
(57) **CLAIM**

The ornamental design for an ultrasound imaging probe holder, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of an ultrasound imaging probe holder incorporating the design.
FIG. 2 is a top view thereof.
FIG. 3 is a bottom view thereof.
FIG. 4 is a right-side view thereof.
FIG. 5 is a left-side view thereof.
FIG. 6 is a front view thereof; and,
FIG. 7 is a back view thereof.
The broken lines shown in the drawings illustrate portions of the ultrasound imaging probe holder that form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | |
|--------------|------|---------|-----------------|-----------------------|
| D709,180 | S | 7/2014 | Rummery et al. | |
| D713,967 | S * | 9/2014 | Adoni | D24/189 |
| D728,165 | S | 4/2015 | Davis | |
| D744,641 | S | 12/2015 | Aiken | |
| D780,929 | S * | 3/2017 | Nurminen | D24/184 |
| D791,951 | S * | 7/2017 | Henderson | D24/169 |
| D794,205 | S * | 8/2017 | Naber | D12/14 |
| D800,911 | S | 10/2017 | Diemer | |
| D804,045 | S | 11/2017 | Epstein | |
| D810,300 | S * | 2/2018 | Parsons | D24/169 |
| D814,646 | S | 4/2018 | Maloney | |
| D816,833 | S | 5/2018 | Parkhurst | |
| 9,980,573 | B2 | 5/2018 | Bennetts | |
| D833,623 | S * | 11/2018 | Naber | D24/184 |
| D834,205 | S | 11/2018 | Ducharme et al. | |
| D837,386 | S | 1/2019 | Barber et al. | |
| D837,392 | S | 1/2019 | Wanner et al. | |
| D869,666 | S | 12/2019 | Michaud | |
| D872,864 | S | 1/2020 | Marcil | |
| D885,589 | S | 5/2020 | Marcil | |
| D886,300 | S | 6/2020 | Marcil | |
| 2005/0108899 | A1 | 5/2005 | Kielt et al. | |
| 2009/0308400 | A1 | 12/2009 | Wilson et al. | |
| 2012/0117818 | A1 | 5/2012 | Slowik | |
| 2013/0110019 | A1 * | 5/2013 | Hopman | A61B 17/135 602/13 |
| 2014/0298681 | A1 | 10/2014 | Epstein | |
| 2015/0342814 | A1 | 12/2015 | Terebuh | |
| 2018/0250183 | A1 * | 9/2018 | Zwierstra | A61B 5/702 |
| 2019/0231303 | A1 | 8/2019 | Marcil | |
| 2019/0231304 | A1 | 8/2019 | Marcil | |
| 2019/0231305 | A1 | 8/2019 | Marcil | |
| 2019/0231306 | A1 | 8/2019 | Marcil | |
| 2020/0054357 | A1 * | 2/2020 | Ihatsu | A61B 8/4209 |

OTHER PUBLICATIONS

CDR Systems, “CDR Systems Precision Positioning Systems”, [Online]. Retrieved from the internet: <URL:www.cdrsys.ca>, 58 pgs.

Klarity, “R634-LCF Leg Positioner Set-Up”, [Online]. Retrieved from the Internet:<URL: www.klaritymedical.com>, 1 pg.

“U.S. Appl. No. 29/635,182, Non Final Office Action dated Apr. 26, 2019”, 11 pgs.

“U.S. Appl. No. 29/635,185, Non Final Office Action dated May 16, 2019”, 16 pgs.

“U.S. Appl. No. 29/635,186, Non Final Office Action dated May 16, 2019”, 12 pgs.

“Chinese Application Serial No. 201910080350.6, Notification on Correction of Deficiencies dated Mar. 12, 2019”, w/o English translation, 1 pg.

“European Application Serial No. 19153998.0, Extended European Search Report dated Jun. 28, 2019”, 11 pgs.

“RayBoards for Butterfly Masks with L-Profiles”, [Online] Retrieved from the Internet:<https://www.bcc.taipei/RTproducts/product_pp121a.html>, (accessed Mar. 19, 2019), 1.

“Zephyr Patient Positioning and Transfer Systems—Orfit Industries”, Retrieved from the Internet: <URL:https://www.orfit.com/radiation-oncology/products/zephyrpatient-positioning-and-transfer-systems/>, (May 30, 2017).

Camps, Saskia M, et al., “The Use of Ultrasound Imaging in the External Beam Radiotherapy Workflow of Prostate Cancer Patients”, Biomed Research International, vol, (Jan. 1, 2018), 1-16.

Elekta, “Clarity for Prostate Monitoring”, Youtube, Retrieved from the Internet: <URL:https://www.youtube.com/watch?time_continue=35&v=htoFAd1 ALw8>, (Sep. 22, 2015).

Elekta, “Prostate Intra-Fractional Motion Management”, Youtube, Retrieved from the Internet: <URL:https://www.youtube.com/watch?v=Qr8z5ELbQJw>, (Feb. 3, 2016).

Lachaine, Martin, et al., “Intrafractional Prostate Motion Management With The Clarity Autoscan System”, Medical Physics International Journal, (Jan. 1, 2013), 72.

Zephyr, “Patient Positioning and Transfer System”, Youtube, Retrieved from the Internet: URL:<https://www.youtube.com/watch?time_continue=111&v=SaKI8ceQirY>, (May 30, 2017).

“U.S. Appl. No. 29/635,182, Response filed Aug. 12, 2019 to Non Final Office Action dated Apr. 26, 2019”, 5 pgs.

“U.S. Appl. No. 29/635,185, Response filed Aug. 14, 2019 to Non Final Office Action dated May 16, 2019”, 5 pgs.

“U.S. Appl. No. 29/635,186, Response filed Aug. 14, 2019 to Non Final Office Action dated May 16, 2019”, 7 pgs.

“U.S. Appl. No. 29/635,182, Notice of Allowance dated Sep. 3, 2019”, 7 pgs.

“U.S. Appl. No. 29/635,186, Final Office Action dated Nov. 5, 2019”, 7 pgs.

“U.S. Appl. No. 29/635,185, Final Office Action dated Nov. 21, 2019”.

“U.S. Appl. No. 29/635,182, Corrected Notice of Allowability dated Dec. 11, 2019”, 4 pgs.

“European Application Serial No. 19153998.0, Response filed Jan. 31, 2020 to Extended European Search Report dated Jun. 28, 2019”, 11 pgs.

“U.S. Appl. No. 29/635,186, Response filed Feb. 3, 2020 to Final Office Action dated Nov. 5, 2019”, 6 pgs.

“U.S. Appl. No. 29/635,185, Response filed Feb. 17, 2020 to Final Office Action dated Nov. 21, 2019”.

“U.S. Appl. No. 15/898,503, Non Final Office Action dated Jun. 11, 2020”, 9 pgs.

“U.S. Appl. No. 29/635,185, Notice of Allowance dated Mar. 27, 2020”, 7 pgs.

“U.S. Appl. No. 29/635,185, PTO Response to Rule 312 Communication dated Apr. 29, 2020”.

“U.S. Appl. No. 29/635,186, Corrected Notice of Allowability dated Apr. 29, 2020”, 2 pgs.

“U.S. Appl. No. 29/635,186, Notice of Allowance dated Apr. 3, 2020”, 8 pgs.

* cited by examiner

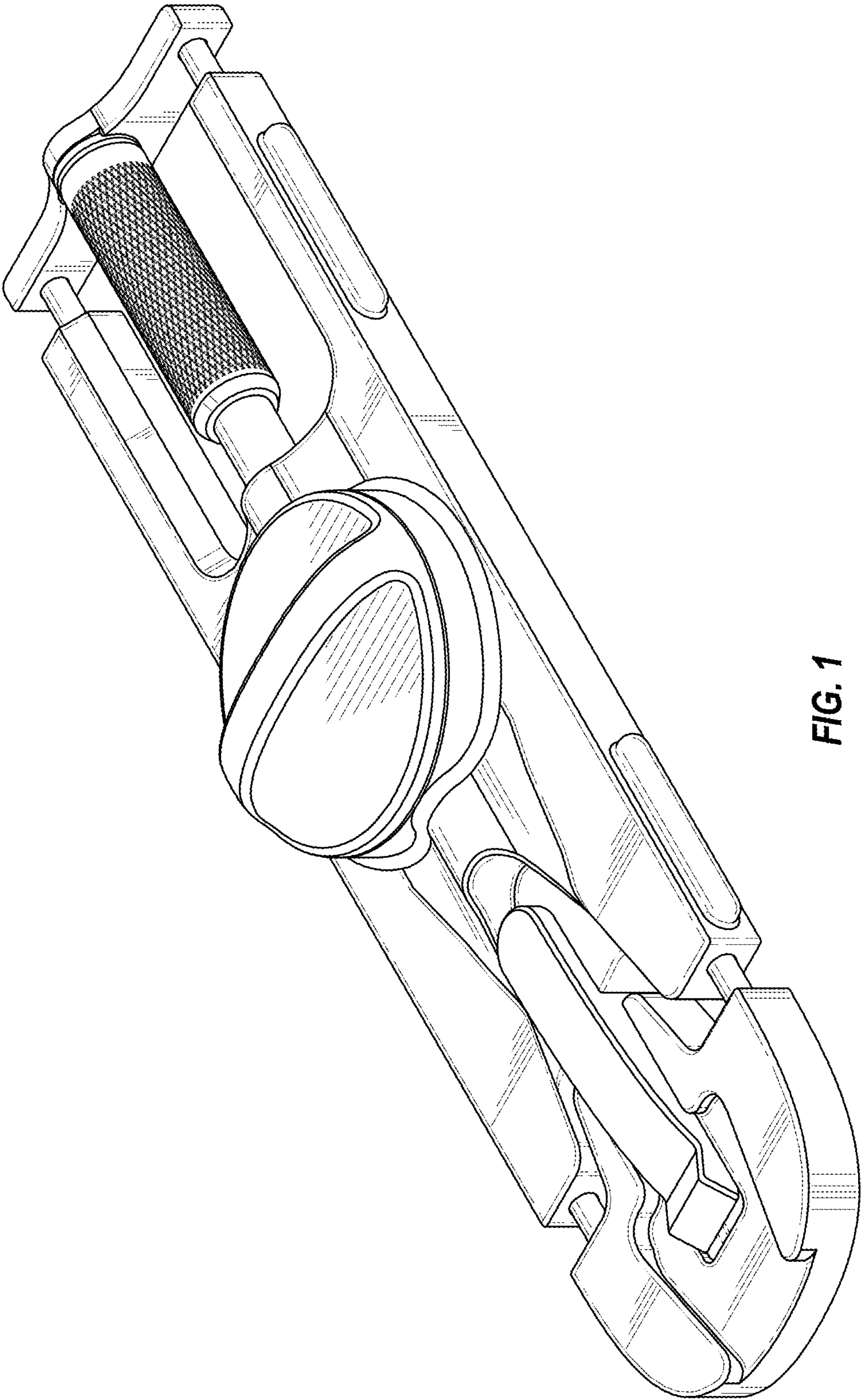


FIG. 1

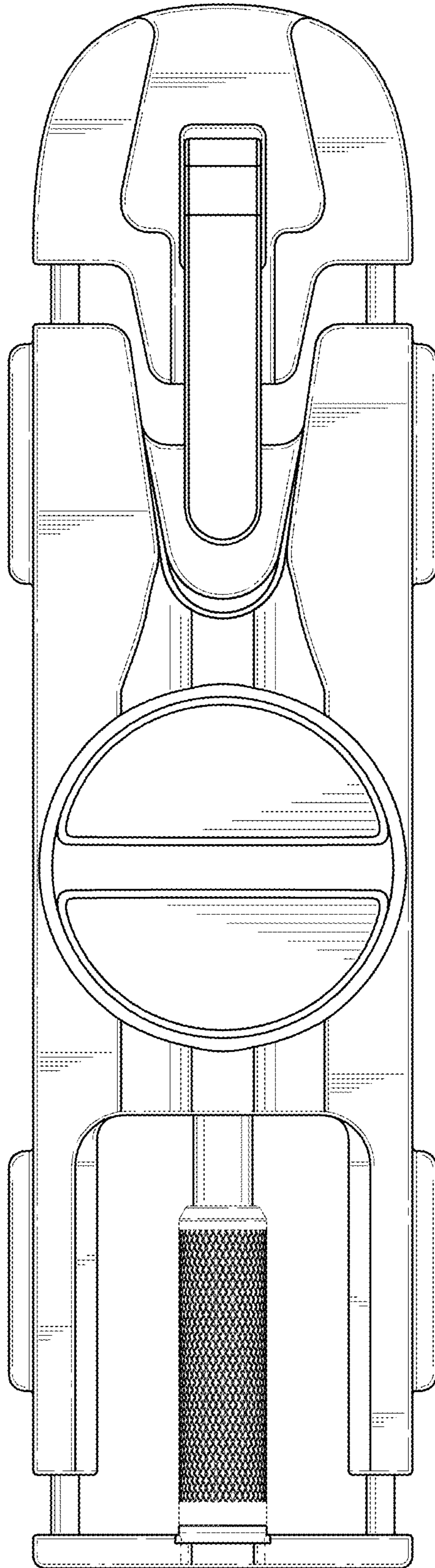


FIG. 2

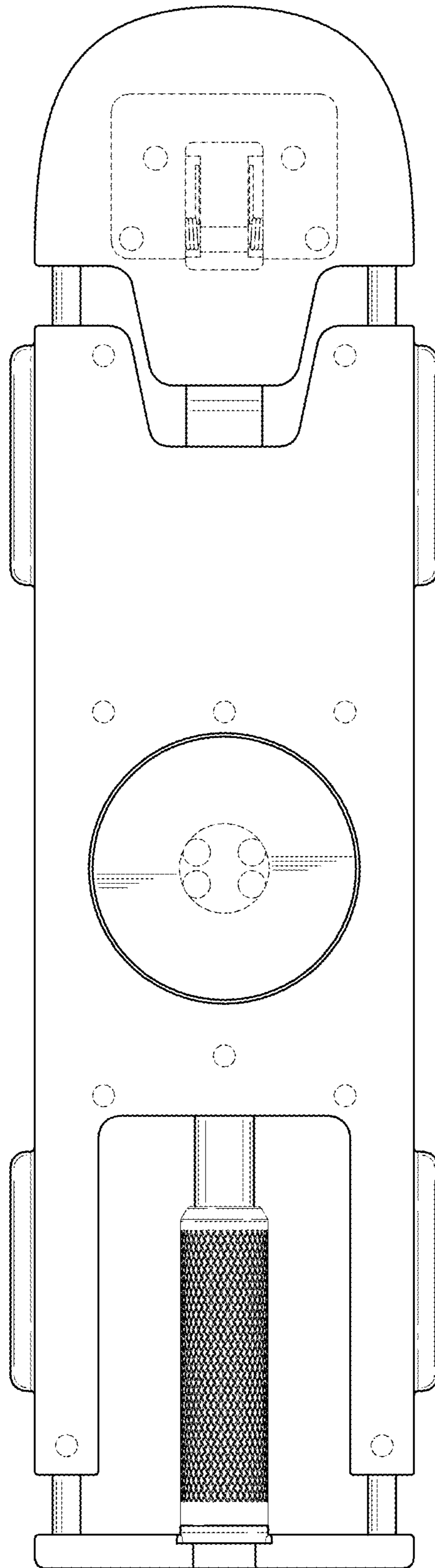


FIG. 3

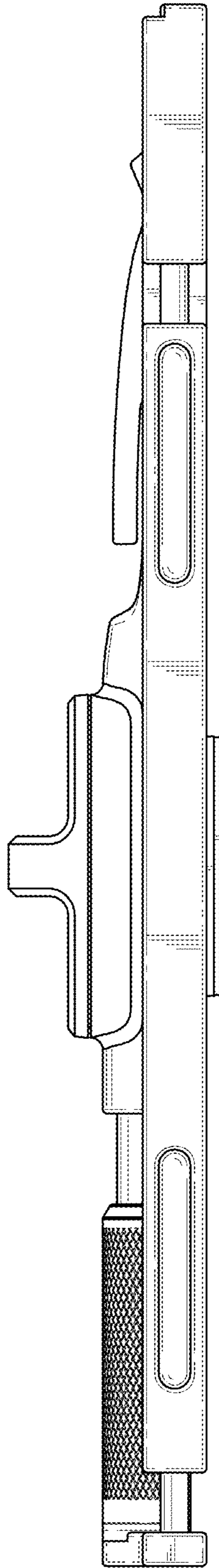


FIG. 4

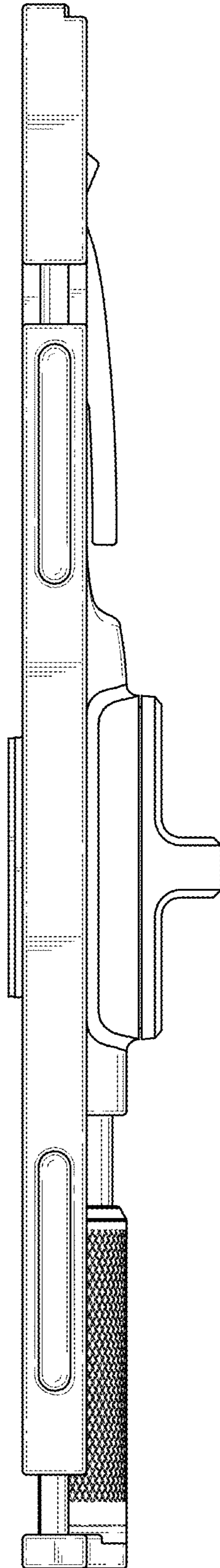


FIG. 5

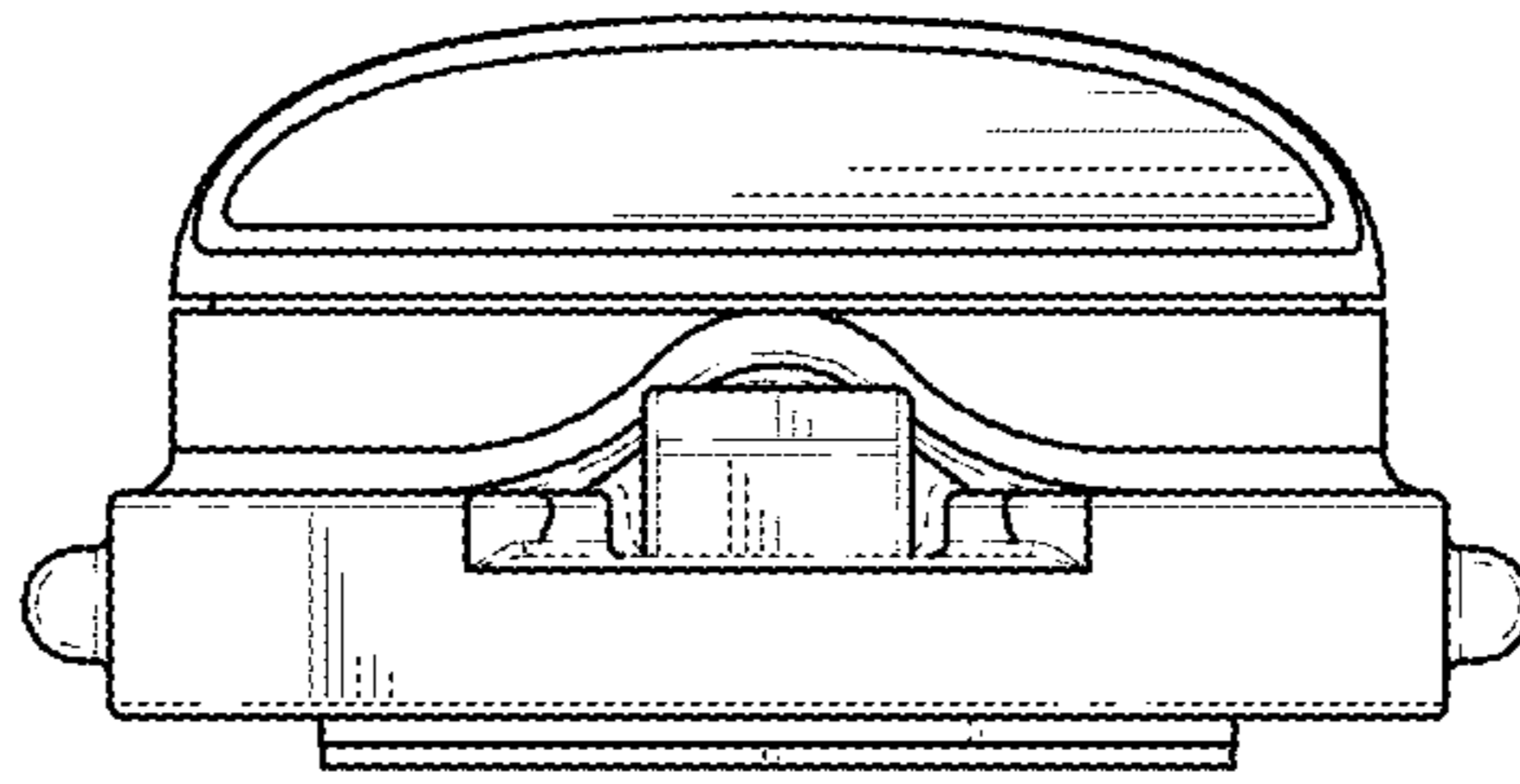


FIG. 6

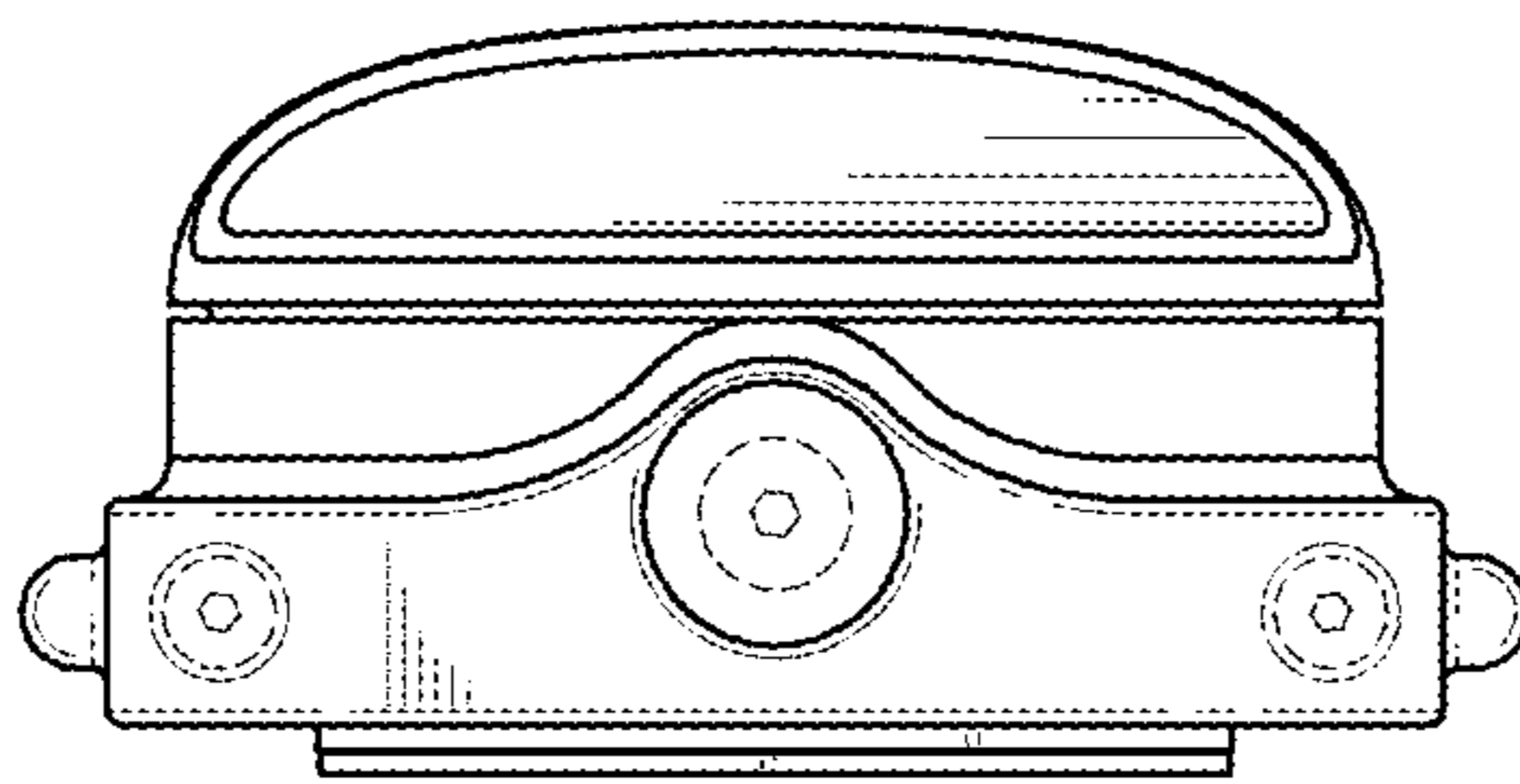


FIG. 7