



US00D959434S

(12) **United States Design Patent** (10) **Patent No.:** **US D959,434 S**
Gathier (45) **Date of Patent:** **** Aug. 2, 2022**

(54) **JOYSTICK**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **Robert Bosch GmbH**, Stuttgart (DE)

EM 002375618-0007 * 1/2014
EM 005247616-0001 * 5/2018

(72) Inventor: **Mathias Gathier**, Lyons (FR)

(Continued)

(73) Assignee: **Robert Bosch GmbH**, Stuttgart (DE)

OTHER PUBLICATIONS

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

Logitech G Extreme 3D Pro Joystick, date first available: Sep. 14, 2004, [retrieved Feb. 7, 2022], Retrieved from Internet, URL: <<https://www.amazon.com/Extreme-3D-Pro-Joystick-Windows/dp/B00009OY9U>> (Year: 2004).*

(21) Appl. No.: **29/723,281**

(Continued)

(22) Filed: **Feb. 5, 2020**

(30) **Foreign Application Priority Data**

Sep. 18, 2019 (EM) 006884284

(51) **LOC (13) Cl.** **14-02**

(52) **U.S. Cl.**
USPC **D14/412**

(58) **Field of Classification Search**

USPC D14/155–159, 160–173, 187–188,
D14/189–198, 203.1–203.8, 204–216,
D14/217–222, 225–229, 257–258,
D14/400–416, 426–431, 496, 900–902;
D16/131–133, 135, 221–222, 227,
D16/230–231, 234; D18/4.1–4.6;
D21/324–332, 403, 512–513, 516;
D12/174–180

CPC H04R 1/02; H04R 1/021; H04R 1/025;
H04R 1/026; H04R 1/028; H04R 1/06;
H04R 1/105; H04R 1/323; H04R 1/403;
H04R 1/2803; H04R 1/2834

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D357,947 S * 5/1995 Richer D14/412
D375,301 S * 11/1996 Jensen D14/412

(Continued)

Primary Examiner — Barbara Fox

Assistant Examiner — Aram Kwon

(74) *Attorney, Agent, or Firm* — Maginot, Moore & Beck LLP

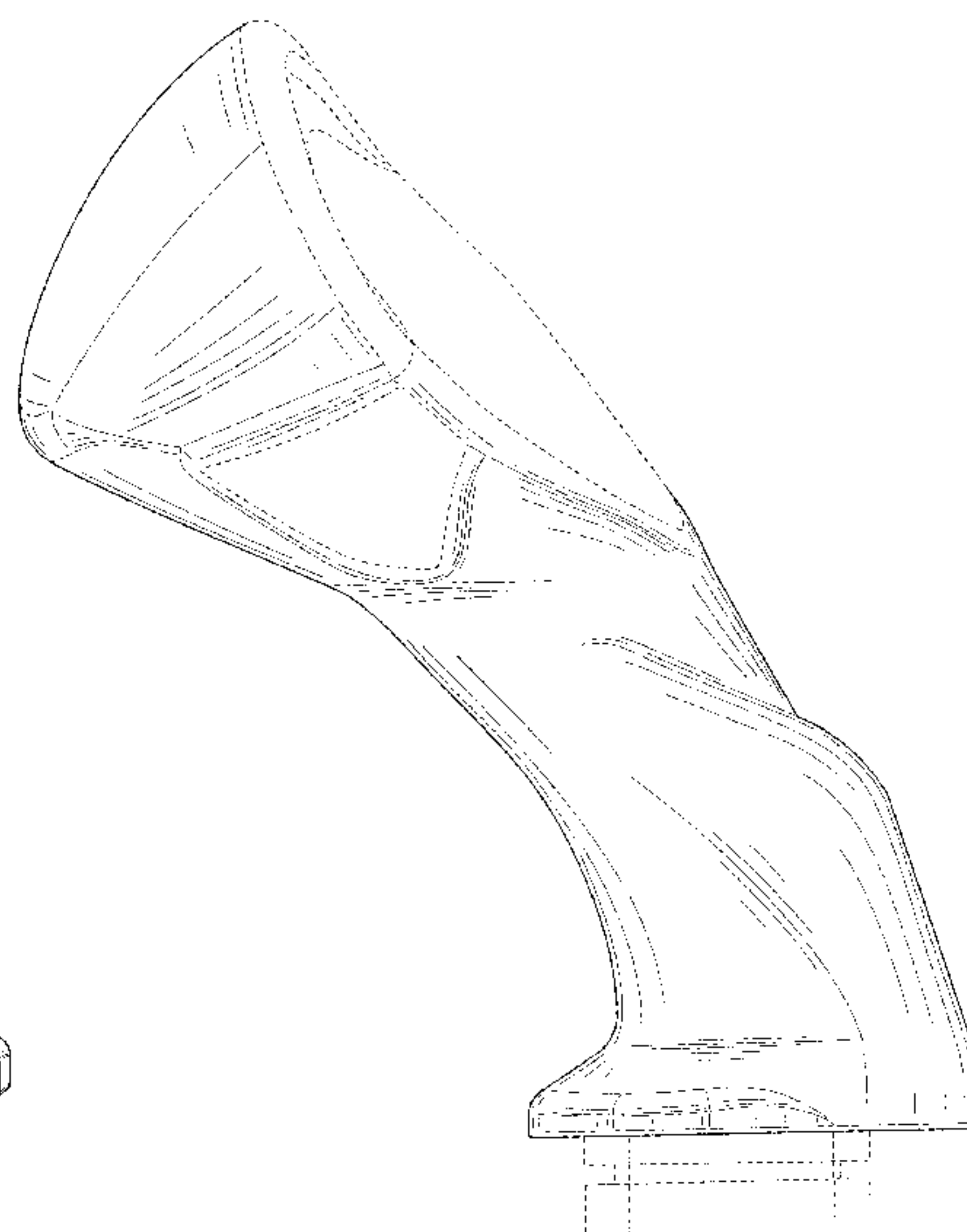
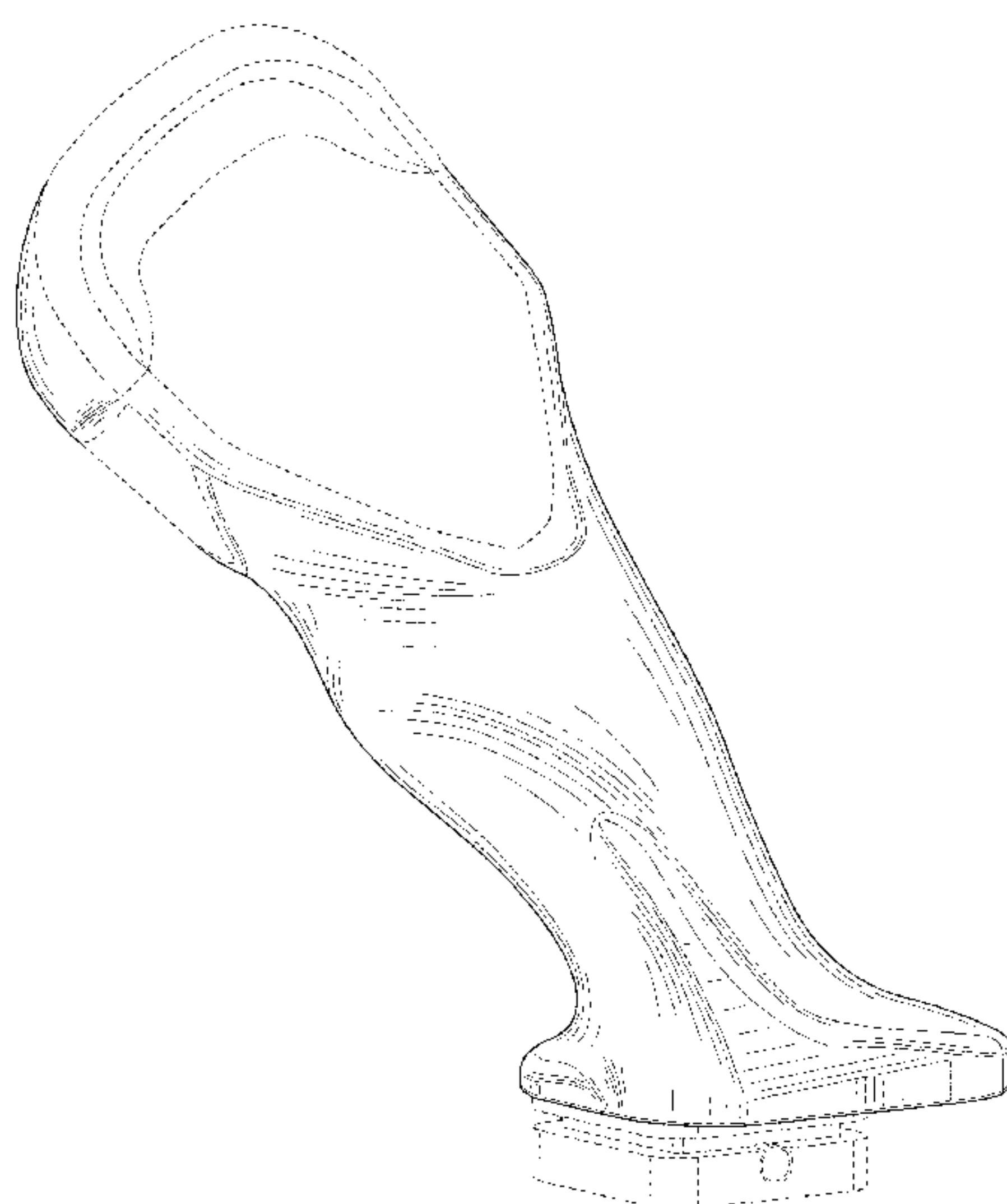
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of a joystick showing my new design, in a right-hand configuration;
FIG. 2 is a front side elevational view of the joystick of FIG. 1;
FIG. 3 is a rear side elevational view of the joystick of FIG. 1;
FIG. 4 is a left side elevational view of the joystick of FIG. 1;
FIG. 5 is a right side elevational view of the joystick of FIG. 1;
FIG. 6 is a top plan view of the joystick of FIG. 1; and,
FIG. 7 is a bottom plan view of the joystick of FIG. 1.
The claimed design includes a second embodiment for the left-hand joystick, which is not shown, and which is a mirror image of the embodiment for the right-hand joystick shown in FIGS. 1-7.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D381,701 S * 7/1997 Salinas D14/416
D392,690 S * 3/1998 Kaneko D14/416
5,749,577 A * 5/1998 Couch A63F 13/213
463/38
D396,899 S * 8/1998 Kaneko D14/416
D425,883 S * 5/2000 Zoerkendoerfer D14/416
D428,890 S * 8/2000 Zoerkendoerfer D14/413
D444,785 S * 7/2001 Whitehorn D14/412
D460,073 S * 7/2002 Whitehorn D14/416
6,741,233 B1 * 5/2004 Swan A63F 13/24
345/161
D499,121 S * 11/2004 Masalin D15/28
D508,964 S * 8/2005 Gollither D21/566
D531,942 S * 11/2006 Chanteloup D12/179
D559,749 S * 1/2008 Barbieri D12/179
D579,936 S * 11/2008 Hu D14/405
8,100,029 B2 * 1/2012 Peterson G05G 9/047
244/234
D678,283 S * 3/2013 Olson D14/412
D686,622 S * 7/2013 Rey D15/28
D727,904 S * 4/2015 Jensen D14/415
D734,335 S * 7/2015 Jensen D14/415
D734,750 S * 7/2015 Jensen D14/415
D745,008 S * 12/2015 Jensen D14/415
D745,009 S * 12/2015 Jensen D14/415
10,049,832 B2 * 8/2018 Nakagawa B62D 1/12
D865,638 S * 11/2019 Kruk D14/416
D868,669 S * 12/2019 Kruk D14/416
D868,670 S * 12/2019 Kruk D14/416
D913,624 S * 3/2021 Jensen D14/412

D922,448 S * 6/2021 Ritchie D15/28
D934,305 S * 10/2021 Roy D15/28
2020/0173234 A1 * 6/2020 Glover E21B 7/022

FOREIGN PATENT DOCUMENTS

EM 006884284-0006 * 9/2019
EM 007108618-0001 * 3/2020
EM 008664262-0002 * 9/2021
GB 6174387 * 11/2021
KR 300817690.0000 * 10/2015
WO WOD054046-002 * 2/2001
WO WOD103055-007 * 10/2018
WO WOD218468-005 * 1/2022

OTHER PUBLICATIONS

T-Flight Stick X—Joystick, date first available: Nov. 14, 2012, [retrieved Feb. 7, 2022], Retrieved from Internet, URL: <<https://www.amazon.com/T-Flight-Stick-Joystick-12-Taste/dp/B000V6HFZQ>> (Year: 2012).*

Joysticks get ergonomic handle option, Apr. 2, 2021, [retrieved Feb. 7, 2022], Retrieved from Internet, URL: <<https://www.designworldonline.com/apem-joysticks-get-ergonomic-handle-option/>> (Year: 2021).*

Choosing the Right Joystick, Jan. 20, 2021, [retrieved Feb. 7, 2022], Retrieved from Internet, URL: <<https://jrmerritt.com/blog/choosing-the-right-joystick-for-off-highway-applications-pt-1/>> (Year: 2021).*

Thrustmaster T.16000M FCS Flight Stick, review date: Jan. 23, 2017, [retrieved Feb. 7, 2022], Retrieved from Internet, URL: <https://www.bhphotovideo.com/c/product/1296153-REG/thrustmaster_2960773_t_16000m_fcs_flight_stick.html/?ap=y&ap=y&smp=y&smp=y&lsft=BI%E2%80%A6> (Year: 2017).*

* cited by examiner



FIG. 1

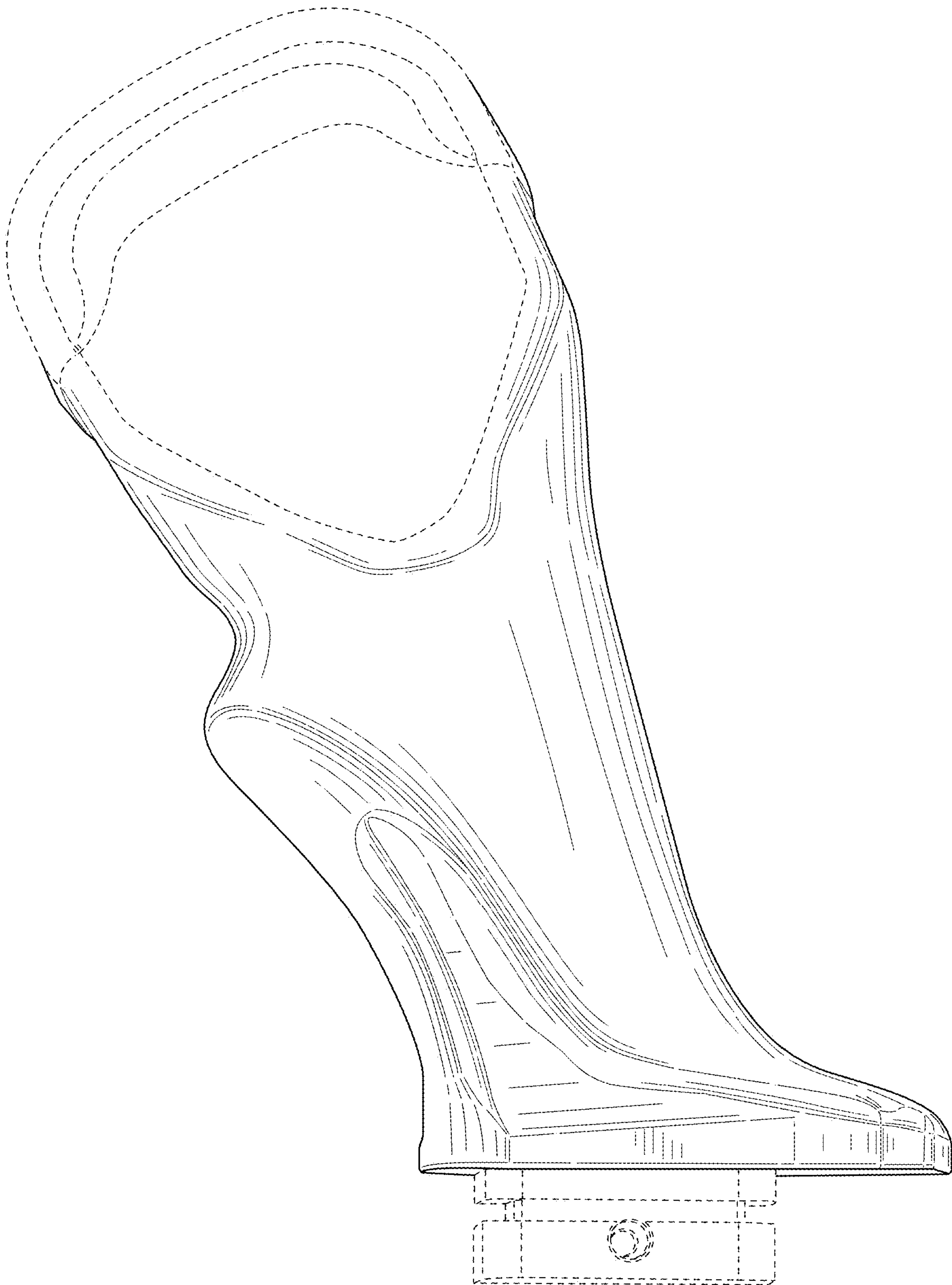


FIG. 2

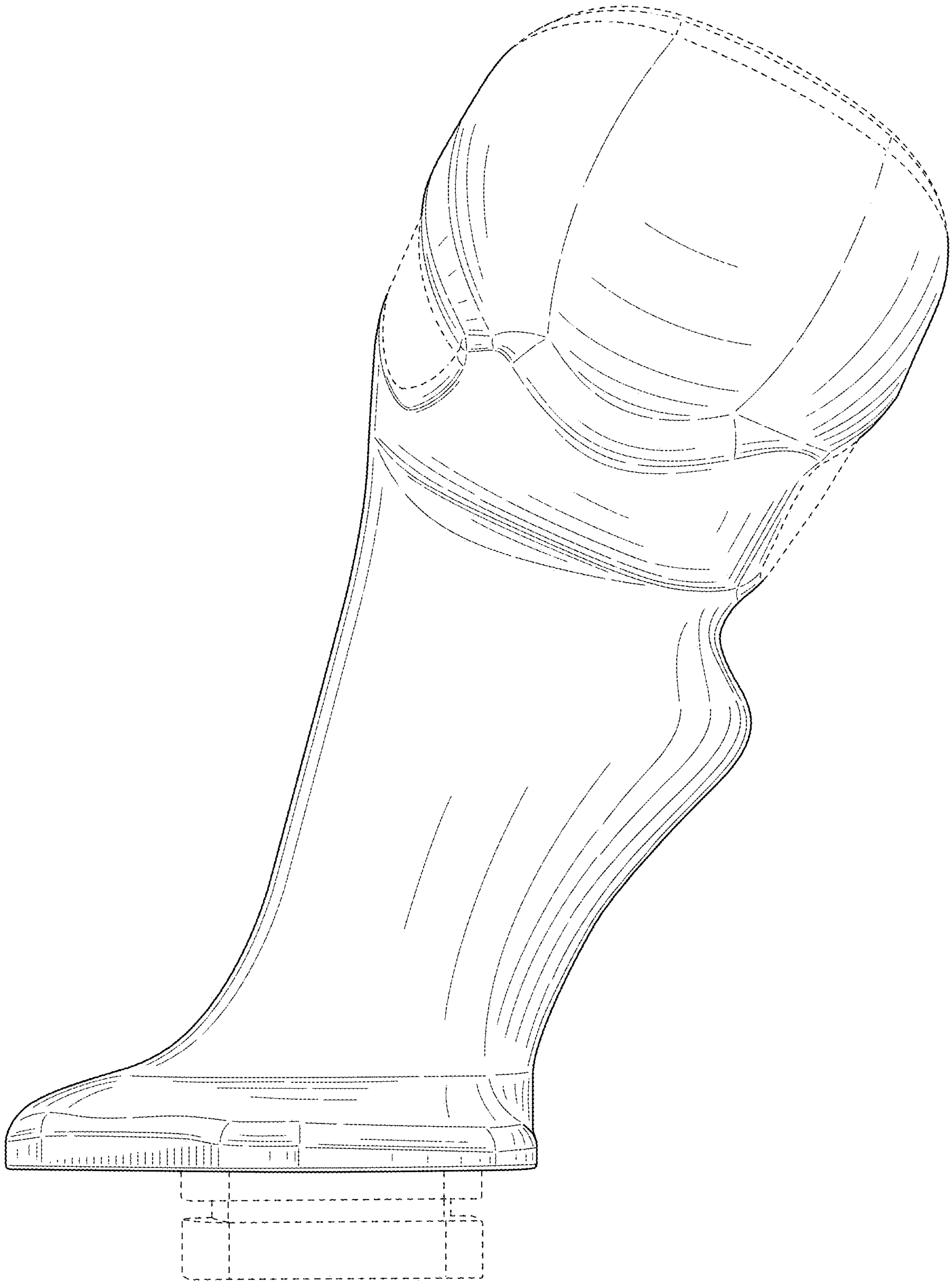


FIG. 3



FIG. 4

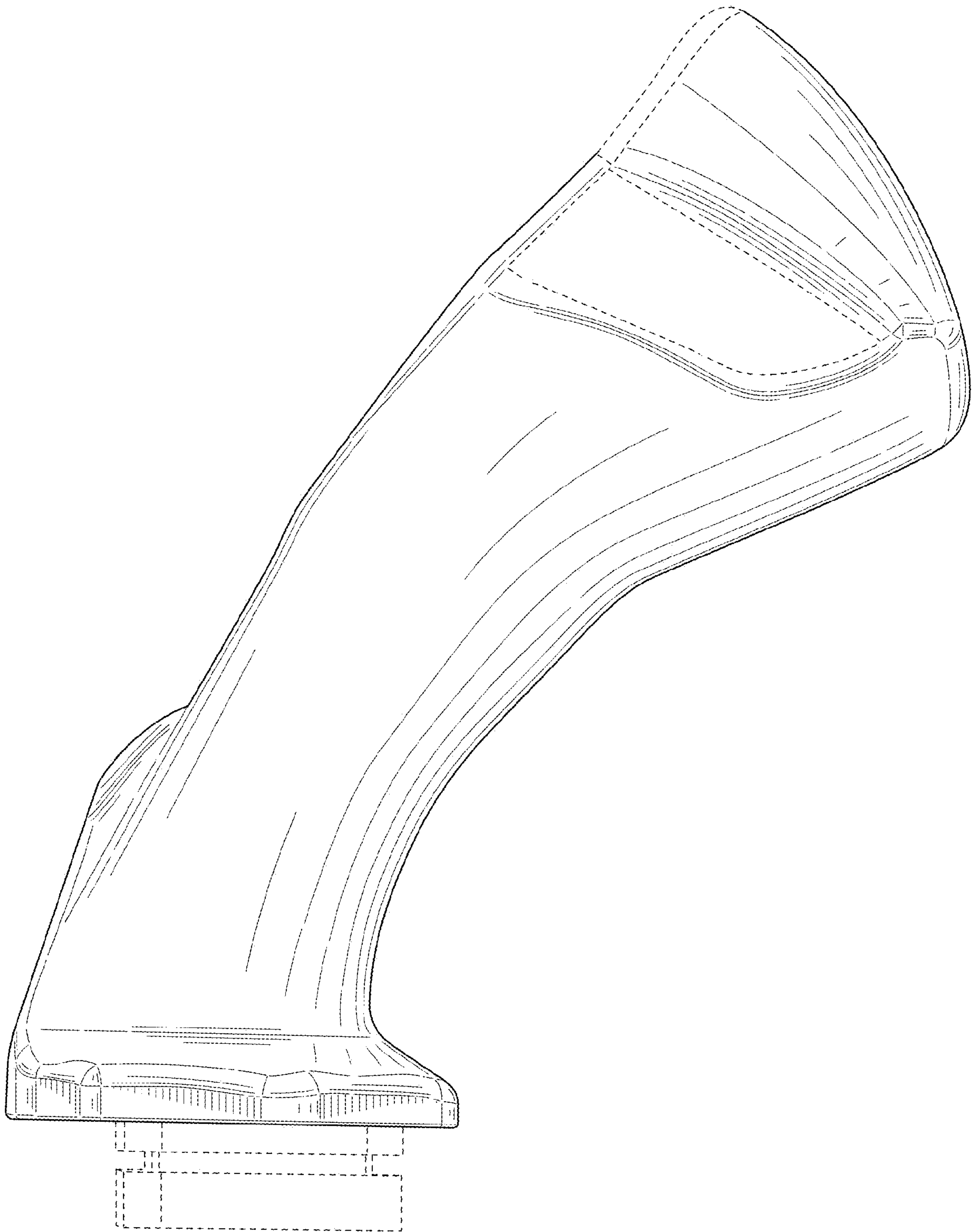


FIG. 5

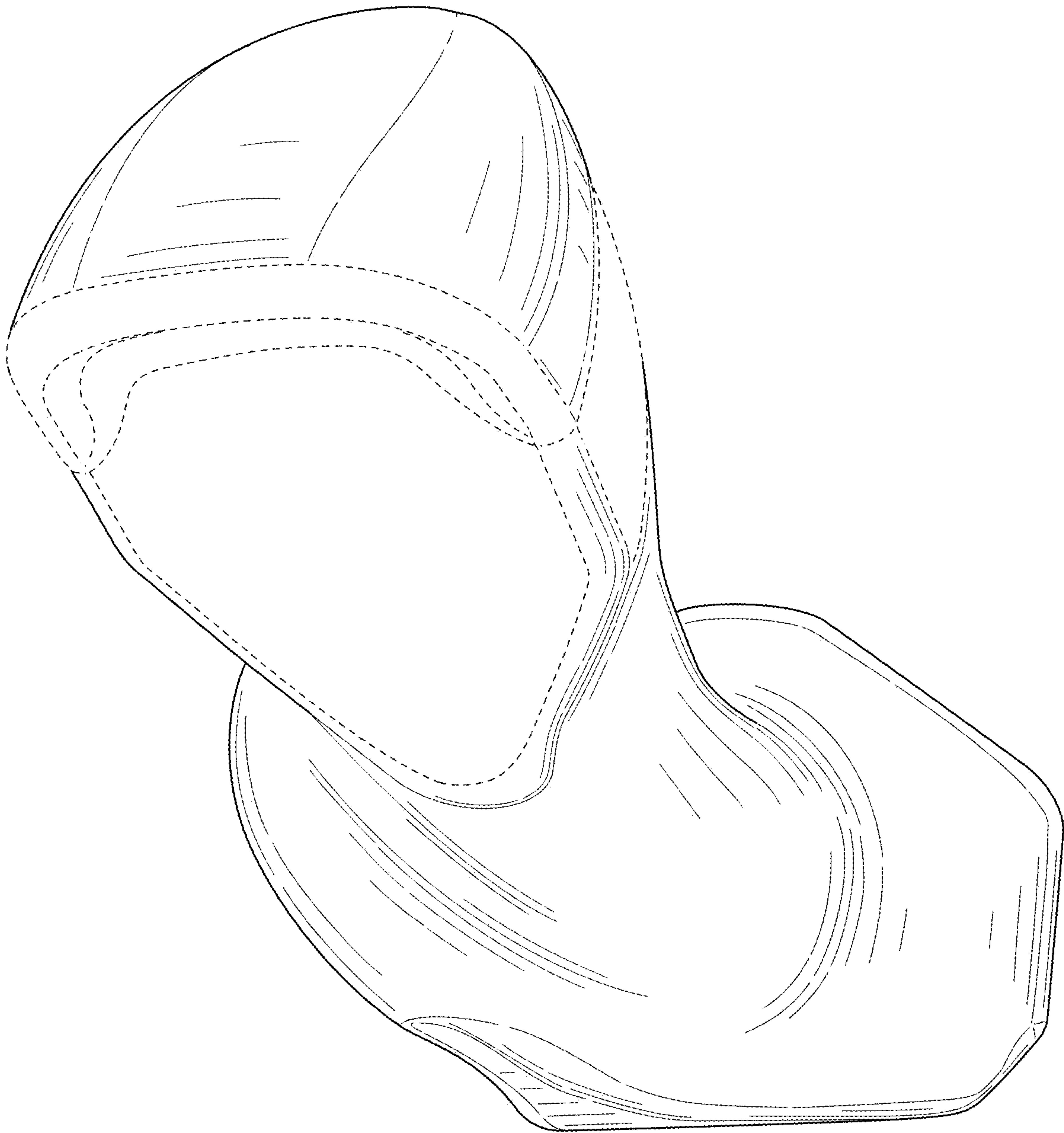


FIG. 6

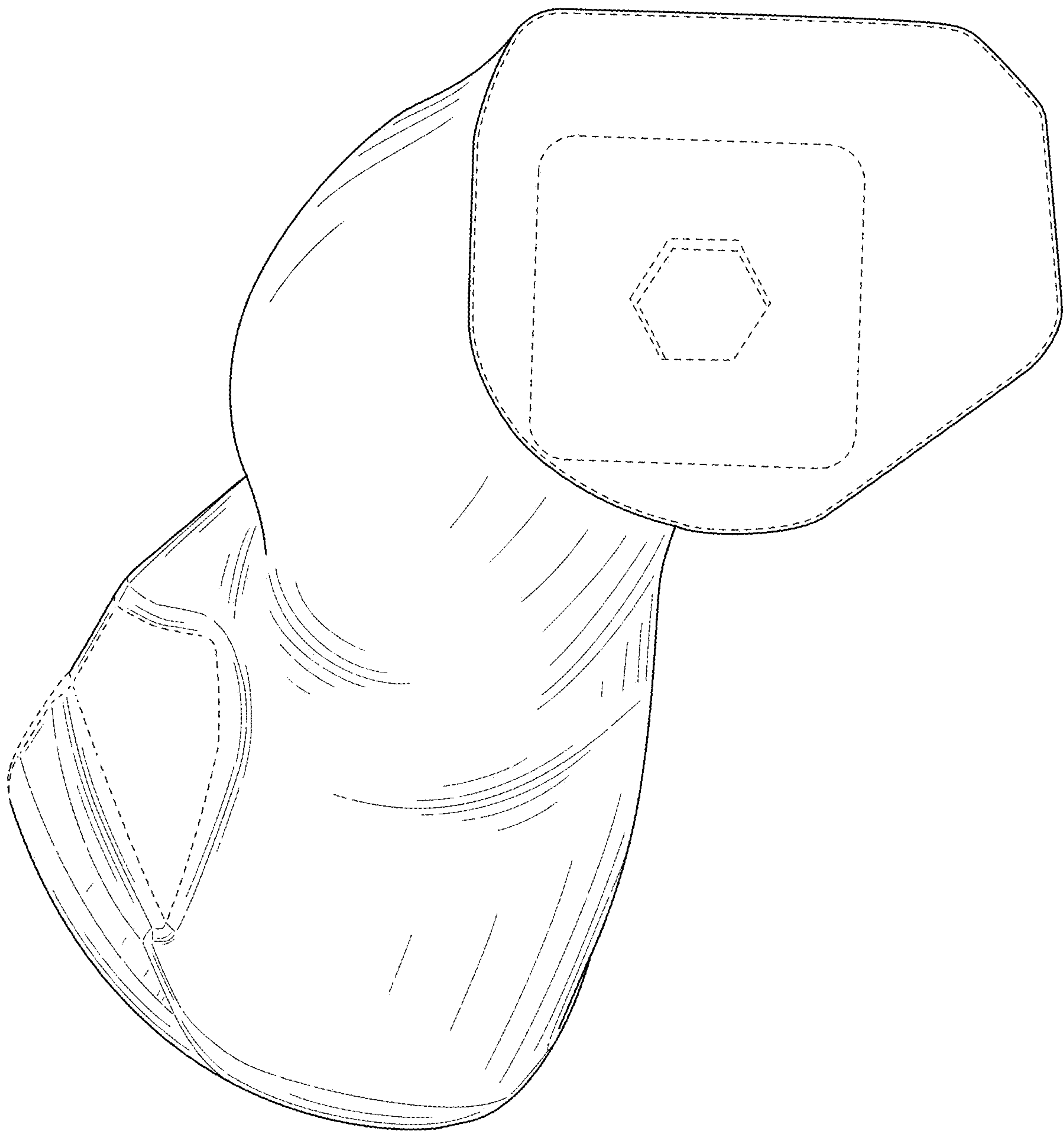


FIG. 7