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(12) **United States Design Patent** (10) **Patent No.:** **US D996,167 S**
Kukucka et al. (45) **Date of Patent:** **** Aug. 22, 2023**

(54) **OPEN END WRENCH**
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Thomas Stefan Kukucka, Brandon, FL (US)
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(**) Term: **15 Years**
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6,145,414 A * 11/2000 Hsieh B25B 13/08
81/186
D484,014 S * 12/2003 Chen D8/28
D552,437 S * 10/2007 Hsieh D8/27
D552,438 S * 10/2007 Wu D8/27
D553,457 S * 10/2007 Hsieh D8/27
D584,932 S * 1/2009 Chang D8/27
D603,669 S * 11/2009 Hsu D8/28
D624,796 S * 10/2010 Taylor, Jr. D8/28
D703,505 S * 4/2014 Abel D8/28

(Continued)

OTHER PUBLICATIONS

Milwaukee MLW48-22-9515 Combination Wrench Set, Metric; Milwaukee; Amazon.com; Aug. 11, 2017; Accessed Mar. 2, 2023; URL:<<https://www.amazon.com/dp/B074SHS8GQ/>> (Year: 2017).*

(Continued)

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Assistant Examiner — Benjamin D. Wannemacher

Related U.S. Application Data

(63) Continuation-in-part of application No. 17/006,272, filed on Aug. 28, 2020, now Pat. No. 11,103,983, which is a continuation-in-part of application No. 16/033,970, filed on Jul. 12, 2018, now Pat. No. 10,786,890.

(51) **LOC (14) Cl.** **08-05**
(52) **U.S. Cl.**
USPC **D8/28**
(58) **Field of Classification Search**
USPC D8/4, 5, 17, 21, 22, 25, 27, 28, 29, 57,
D8/58; D7/693, 696
CPC A01G 3/02; B25B 7/14; B25B 13/5016;
B25B 13/56; B25B 13/065; B25B 13/06;
B25B 13/08

See application file for complete search history.

(57) **CLAIM**

The ornamental design for an open-end wrench, as shown and described.

DESCRIPTION

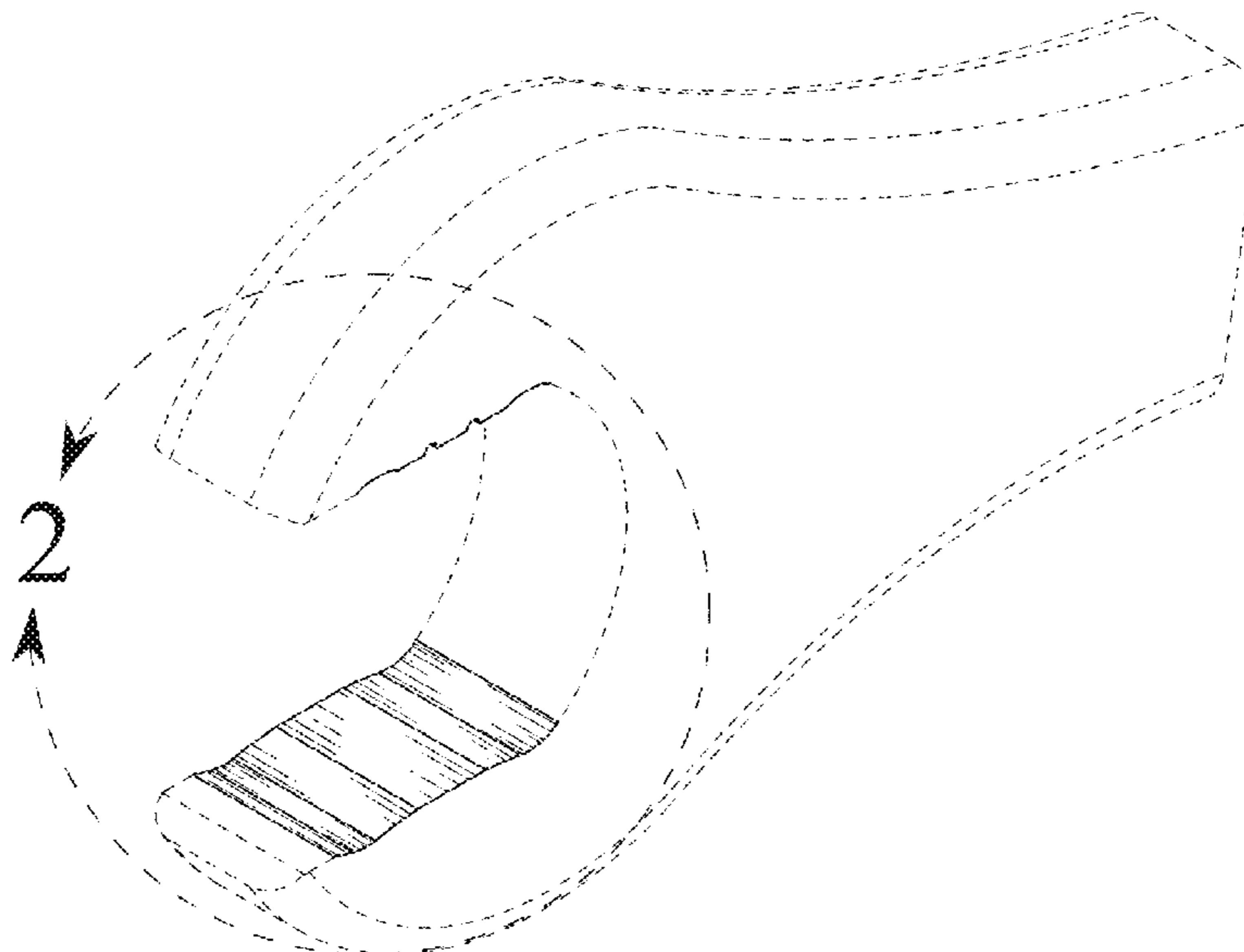
FIG. 1 is a top-front-left isometric perspective view of an open-end wrench showing our new design; FIG. 2 is a detail view of area 2 in FIG. 1; FIG. 3 is a bottom-front-left isometric perspective view of the present invention; FIG. 4 is a detail view of area 3 in FIG. 2; and, FIG. 5 is left-side elevational view of the present invention, the right-side elevational view being mirrored thereto. The dash-dash broken lines shown in the drawings are included for the purpose of illustrating portions of the open end wrench that form no part of the claimed design. The long dash-long dash broken lines of FIGS. 1-4 depict the limits of the enlarged views and form no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D424,897 S * 5/2000 Chen D8/28
D431,764 S * 10/2000 Pai D8/28

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D711,709 S * 8/2014 Abel D8/28
 D713,225 S * 9/2014 Chang D8/28
 D743,763 S * 11/2015 Hsieh D8/28
 D749,385 S * 2/2016 Solar D8/28
 D749,387 S * 2/2016 Chang D8/28
 D751,362 S * 3/2016 Chang B25B 13/08
 D8/27
 D798,682 S * 10/2017 Doroslovac B25B 23/105
 D8/27
 D799,293 S * 10/2017 Chang B25B 13/46
 D8/27
 D823,083 S * 7/2018 Lee B25B 13/08
 D8/28
 D834,903 S * 12/2018 Lee B25B 13/14
 D8/29
 D859,108 S * 9/2019 Chen B25B 13/46
 D8/27
 D868,553 S * 12/2019 Kukucka B25B 13/08
 D8/27
 D909,839 S * 2/2021 Su B25B 13/065
 D8/27
 11,154,966 B1 * 10/2021 Del Giudice B25G 1/102

D966,063 S * 10/2022 Kukucka D8/29
 D967,682 S * 10/2022 Richter B25B 13/08
 D8/21
 2003/0209111 A1 * 11/2003 Huang B25B 13/08
 81/119
 2006/0156869 A1 * 7/2006 Hsieh B25B 13/065
 81/121.1
 2021/0237231 A1 * 8/2021 Abel B25B 13/08

OTHER PUBLICATIONS

Ares 79002—8-Inch Adjustable Wrench—1½-Inch Jaw Capacity—
 Chrome Vanadium Steel Construction—Ergonomic TPR Handle;
 Ares; Amazon.com; Sep. 27, 2018; Accessed Mar. 2, 2023; URL:<
<https://www.amazon.com/dp/B07HR5LH93> > (Year: 2018).*
 Milwaukee Electric Tools MLW48-22-9416 Ratcheting Combina-
 tion Wrench Set—SAE; Milwaukee; Amazon.com; May 3, 2018;
 Accessed Mar. 2, 2023; URL:< [https://www.amazon.com/dp/
 B07CTZG5M2/](https://www.amazon.com/dp/B07CTZG5M2/) > (Year: 2018).*
 Kabo Tools VTK0019 Twister Monkey Non Slip Wrench with
 Maximum Opening 29mm; Kabo; Amazon.co.jp; Sep. 17, 2019;
 Accessed Mar. 2, 2023; URL:< [https://www.amazon.co.jp/dp/
 B07XYTM1J4](https://www.amazon.co.jp/dp/B07XYTM1J4) > (Year: 2019).*

* cited by examiner

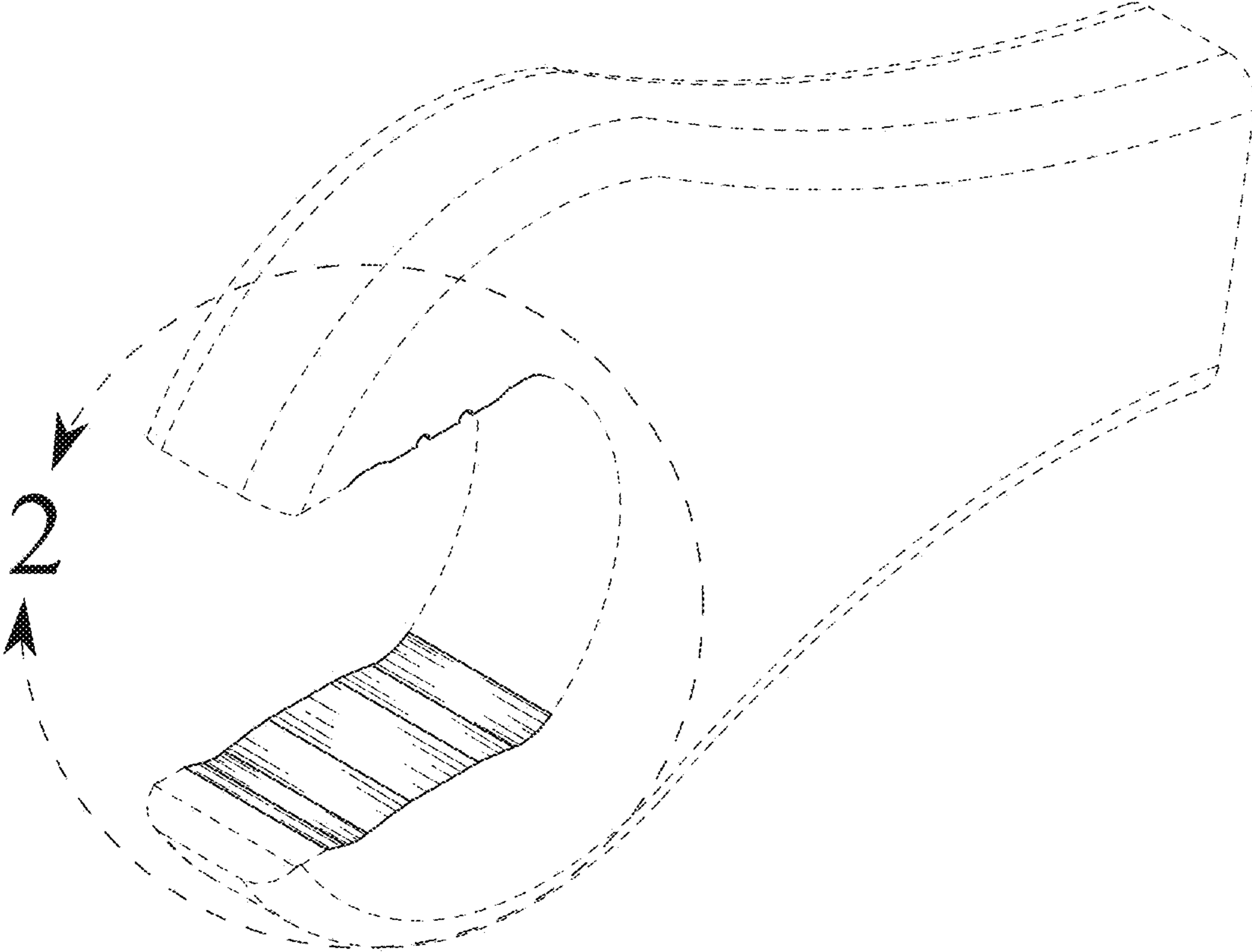


FIG. 1

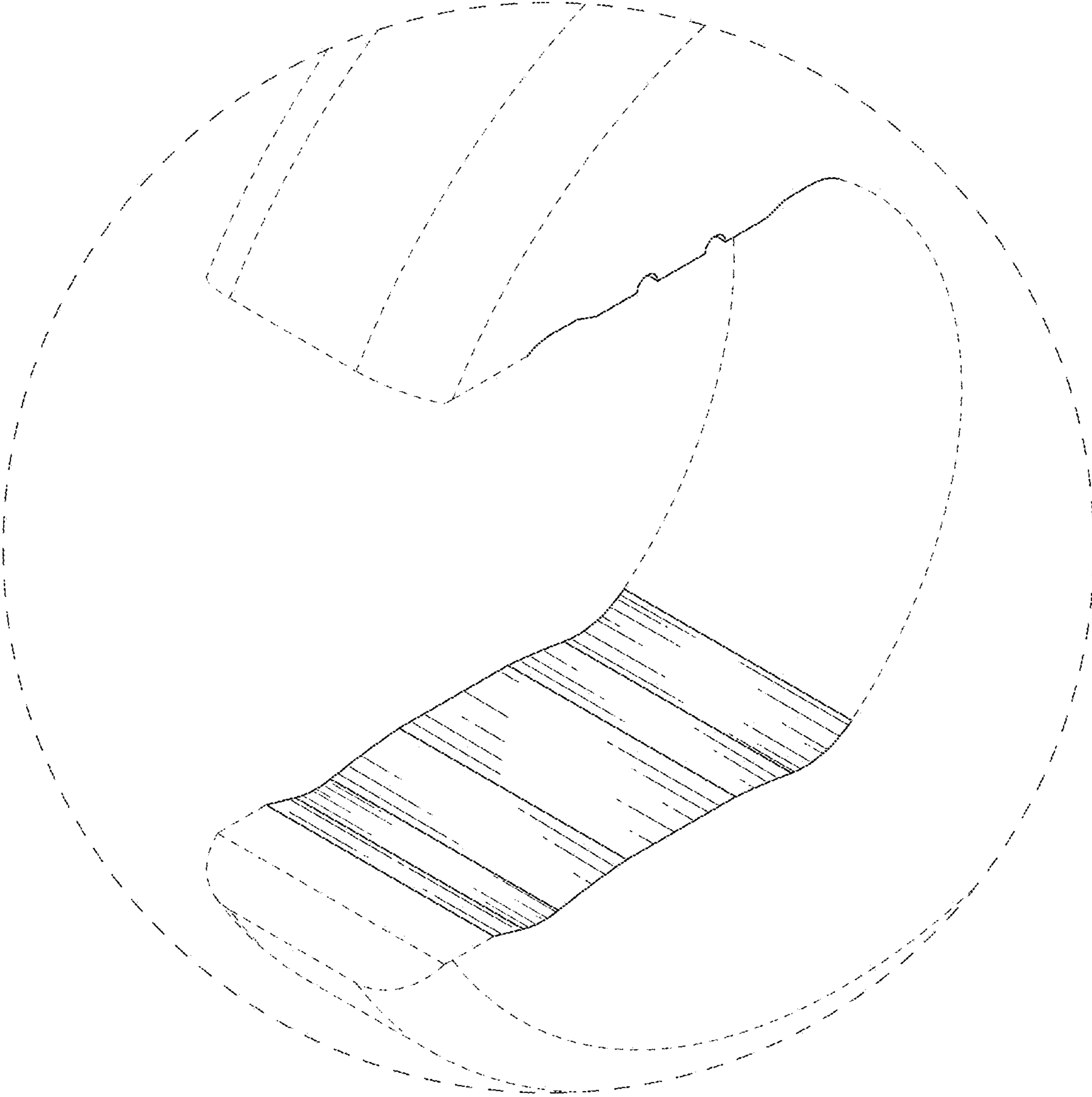


FIG. 2

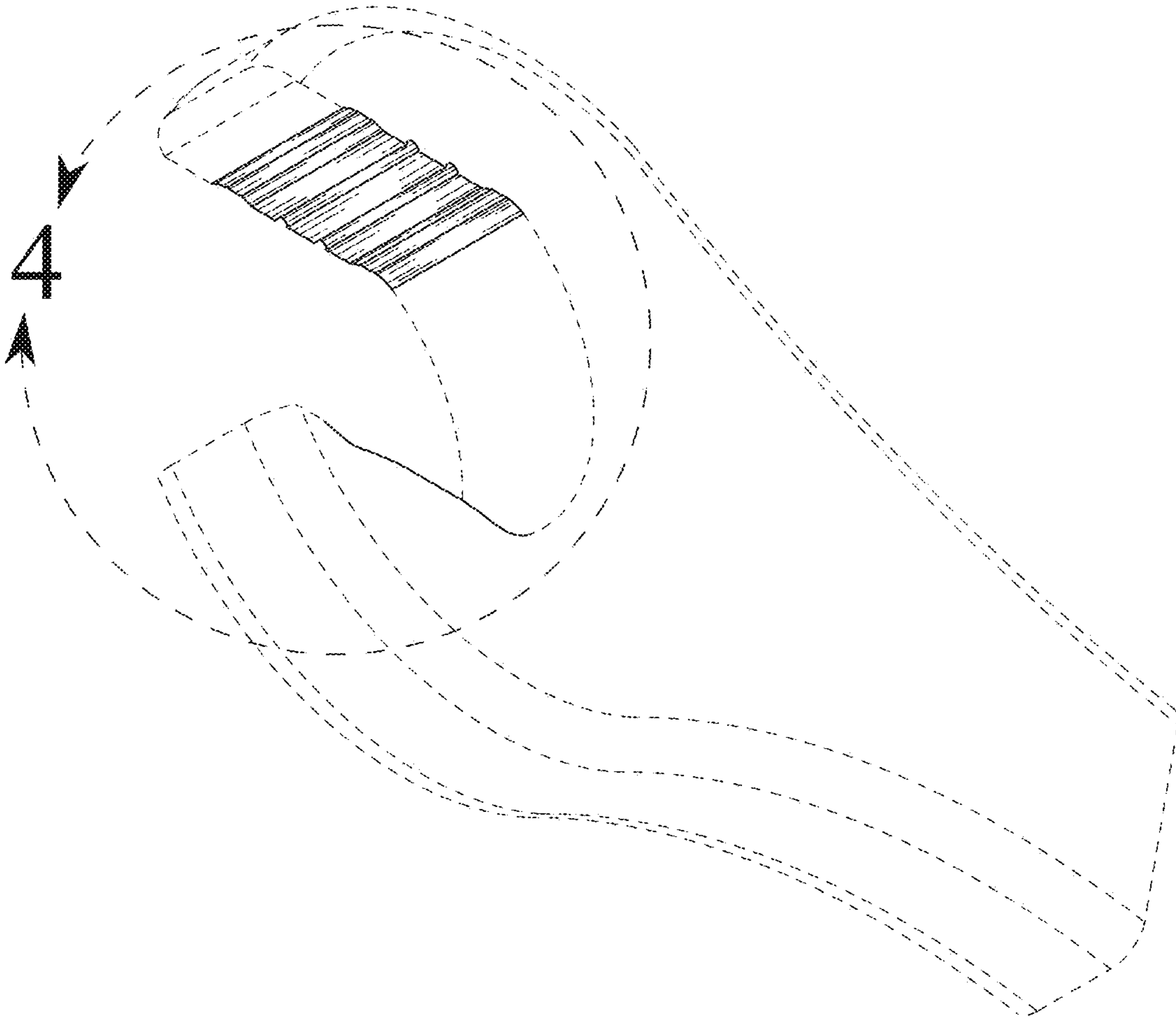


FIG. 3

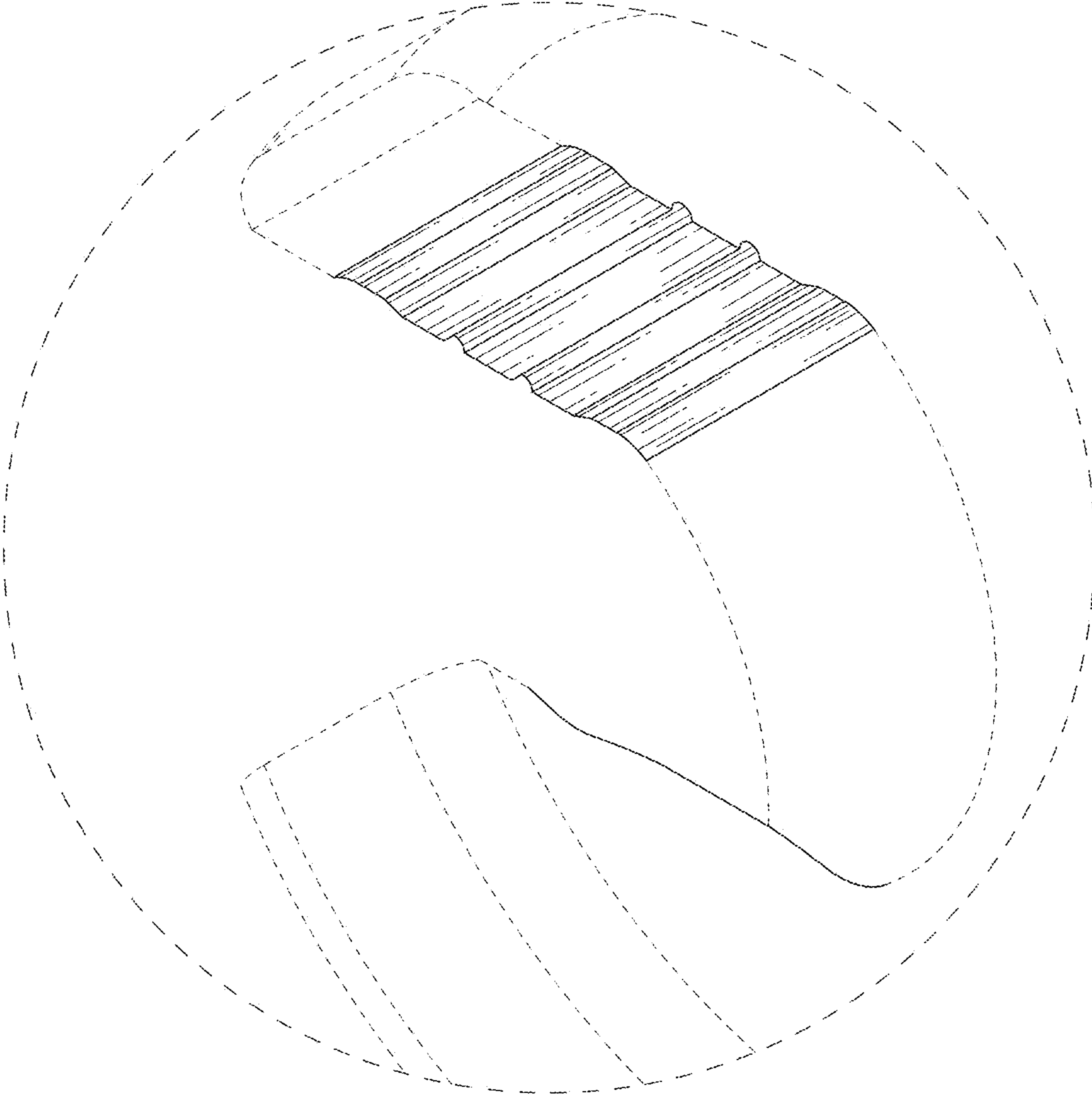


FIG. 4

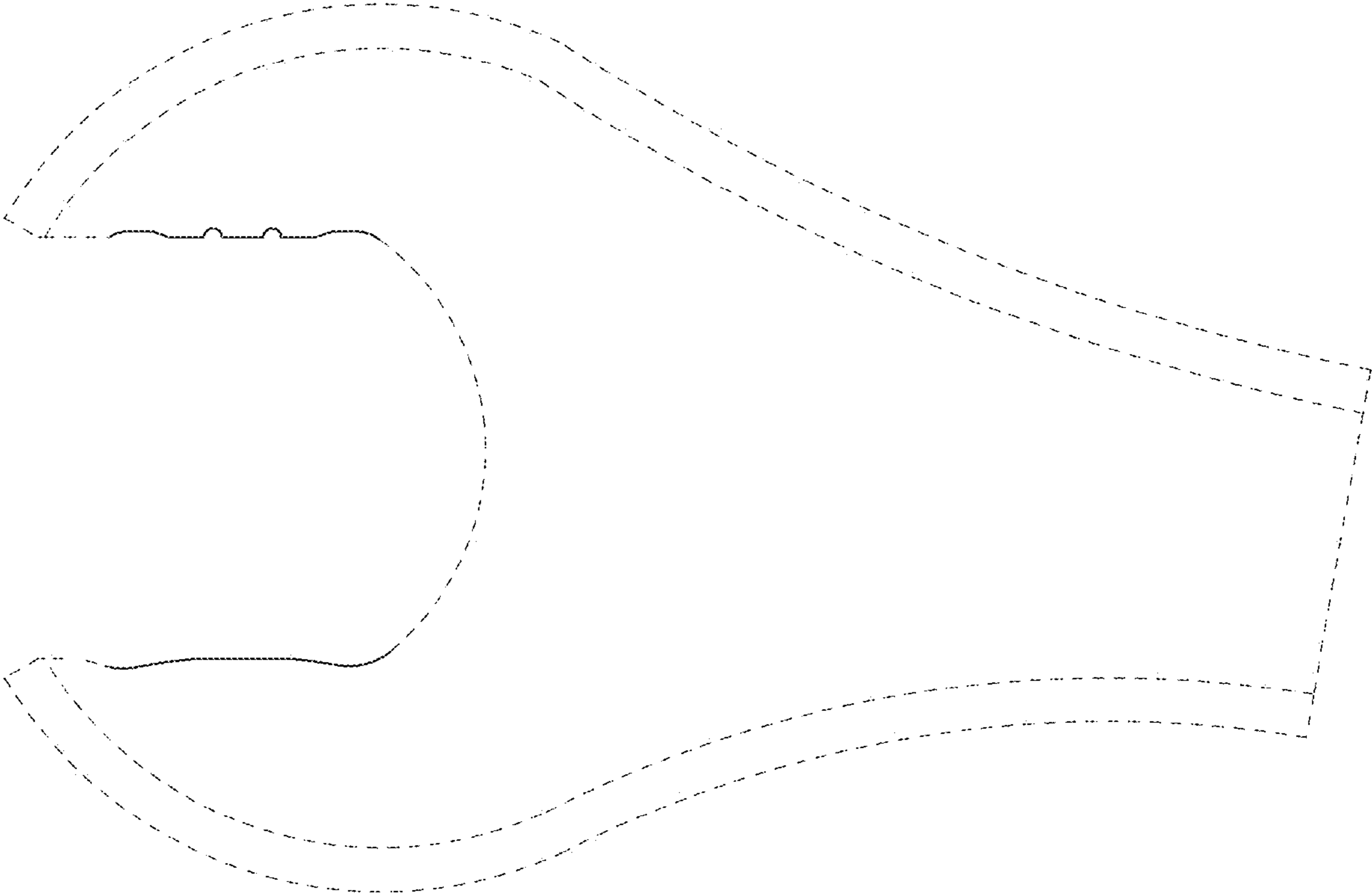


FIG. 5