



US00D964128S

(12) **United States Design Patent** (10) **Patent No.:** **US D964,128 S**
Nucini et al. (45) **Date of Patent:** **** Sep. 20, 2022**

(54) **PROSTHETIC TORQUE WRENCH**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **M3 HEALTH INDÚSTRIA E COMÉRCIO DE PRODUTOS MÉDICOS, ODONTOLÓGICOS E CORRELATOS S.A.**, Jundiaí (BR)

CN 305470069 * 6/2019
CN 305934490 * 7/2020

(Continued)

(72) Inventors: **Alex Araújo Nucini**, Santa Rosa de Viterbo (BR); **Alberto Blay**, São Paulo (BR); **Samy Tunchel**, São Paulo (BR); **Jamil Awad Shibli**, Guarulhos (BR)

OTHER PUBLICATIONS

Synamed USA, German Universal Dental Implant Torque Wrench Ratchet 10-40 Ncm 6.35mm Hex 4.0mm, Date first available Jun. 14, 2017, [online]retrieved Dec. 29, 2020, available from internet, https://www.amazon.com/GERMAN-Universal-Dental-Implant-Ratchet/dp/B072N49DKZ/ref=pd_sbs_10?pd_rd_w=bqXRi&pf_rd_p=ed (Year: 2017).*

(Continued)

(73) Assignee: **M3 HEALTH INDÚSTRIA E COMÉRCIO DE PRODUTOS MÉDICOS, ODONTOLÓGICOS E CORRELATOS S.A.**, Jundiaí (BR)

Primary Examiner — Keli L Hill

Assistant Examiner — Sara S Sahneh

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

(74) *Attorney, Agent, or Firm* — B. Aaron Schulman, Esq.; Stites & Harbison, PLLC

(21) Appl. No.: **29/717,046**

(22) Filed: **Dec. 13, 2019**

(30) **Foreign Application Priority Data**

(57) **CLAIM**

Jun. 13, 2019 (BR) 30 2019 002568 0

The ornamental design for a prosthetic torque wrench, as shown and described.

(51) **LOC (13) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D8/24; D24/152**

(58) **Field of Classification Search**
USPC D8/14-40, 51-56, 23-28; D24/132, 133, D24/134, 144, 145, 146, 147, 148, 149, D24/152, 153, 154, 155

(Continued)

DESCRIPTION

FIG. 1 is a perspective view showing the new design for the prosthetic torque wrench;
FIG. 2 is a front view of the prosthetic torque wrench;
FIG. 3 is a back side view of the prosthetic torque wrench;
FIG. 4 is a left side view of the prosthetic torque wrench;
FIG. 5 is a right side view of the prosthetic torque wrench;
FIG. 6 is a top view of the prosthetic torque wrench; and,
FIG. 7 is a bottom view of the prosthetic torque wrench.
The broken lines are included for the purpose of illustrating portions of the prosthetic torque wrench that form no part of the claimed design.

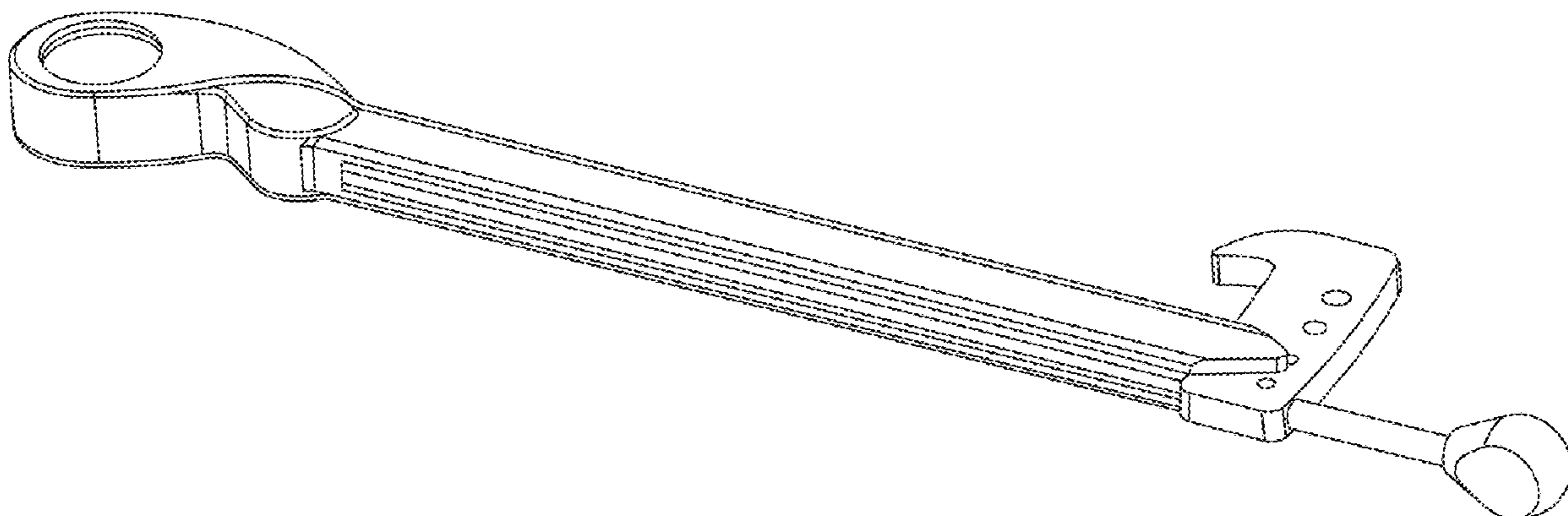
(56) **References Cited**

U.S. PATENT DOCUMENTS

5,734,113 A * 3/1998 Vogt A61B 17/8875
73/1.12
6,162,053 A * 12/2000 Hollander A61C 8/0089
433/141

(Continued)

1 Claim, 7 Drawing Sheets



(58) **Field of Classification Search**

CPC B25B 13/14; B25B 13/06; B25B 13/04;
 B25B 13/46; B25B 13/00; B25B 7/02;
 B25B 13/48; B25B 13/16; B25B 13/505;
 B25B 13/5058; B25B 23/0007; B25B
 13/28; B25B 23/0035; B25B 13/08; B25B
 13/02; B25B 13/50; B25B 7/10; B25B
 7/14; B25B 5/147; B25B 5/085; B25B
 27/00; B67B 7/00; B67B 7/18

See application file for complete search history.

2014/0186795 A1* 7/2014 Huang A61C 8/0089
 433/141
 2019/0160635 A1* 5/2019 Hsieh B25B 13/462
 2020/0323612 A1* 10/2020 Kim B25B 17/02

FOREIGN PATENT DOCUMENTS

EM	005831617-0001	* 11/2018
EM	005831617-0002	* 11/2018
KR	300909896.0000	* 10/2016
KR	3020180000958	* 6/2018

OTHER PUBLICATIONS

(56) **References Cited**

U.S. PATENT DOCUMENTS

7,100,476 B1* 9/2006 Feit A61B 17/8875
 433/114
 D632,534 S * 2/2011 Cote D8/25
 2004/0214137 A1* 10/2004 Walton B25B 23/1415
 433/141
 2007/0281274 A1* 12/2007 Schraffran A61C 8/0089
 433/141
 2008/0070190 A1* 3/2008 Baumgartner A61B 17/8883
 433/141
 2010/0233653 A1* 9/2010 Yeh B25B 13/462
 433/141
 2010/0304330 A1* 12/2010 Rasmussen B25B 13/462
 433/147
 2013/0203016 A1* 8/2013 Takahashi A61C 8/0089
 433/173

IQ Implants Store, IQ Implants Dental Universal Torque Wrench Hex, Date first available Jun. 29, 2014, [online]retrieved Dec. 29, 2020, available from internet, https://www.amazon.com/IQ-Implants-Dental-Universal-Torque/dp/B00LDX8QBI/ref=pd_sbs_10?pd_rd_w=TTOWD&pf_rd_p=ed1e2146-ecfe-435e-b3b5-d79fa0 (Year: 2014).*

CYNAMED Store, Premium German Universal Torque Wrench Ratchet 10-50 Ncm, Date first available Sep. 5, 2019, [online] retrieved Dec. 29, 2020, available from internet, https://www.amazon.com/Premium-Universal-Ratchet-Abutment-Instruments/dp/B07XFHWDG7/ref=pd_sbs_5?pd_rd_w=NMoDD&pf_rd_p=ed1e2146-ecfe-435e-b3b5-d79fa0 (Year: 2019).*

Berkeley Implant, Dental Implant Ratchet & Torque Wrench 10-50 Ncm, Date first available Oct. 31, 2018, [online]retrieved Jan. 7, 2021, available from internet, https://www.amazon.com/dp/B07K1HTNR2/ref=sspa_dk_detail_1?psc=1&pd_rd_i=B07K1HTNR2&pd_rd_w=zf6 (Year: 2018).*

* cited by examiner

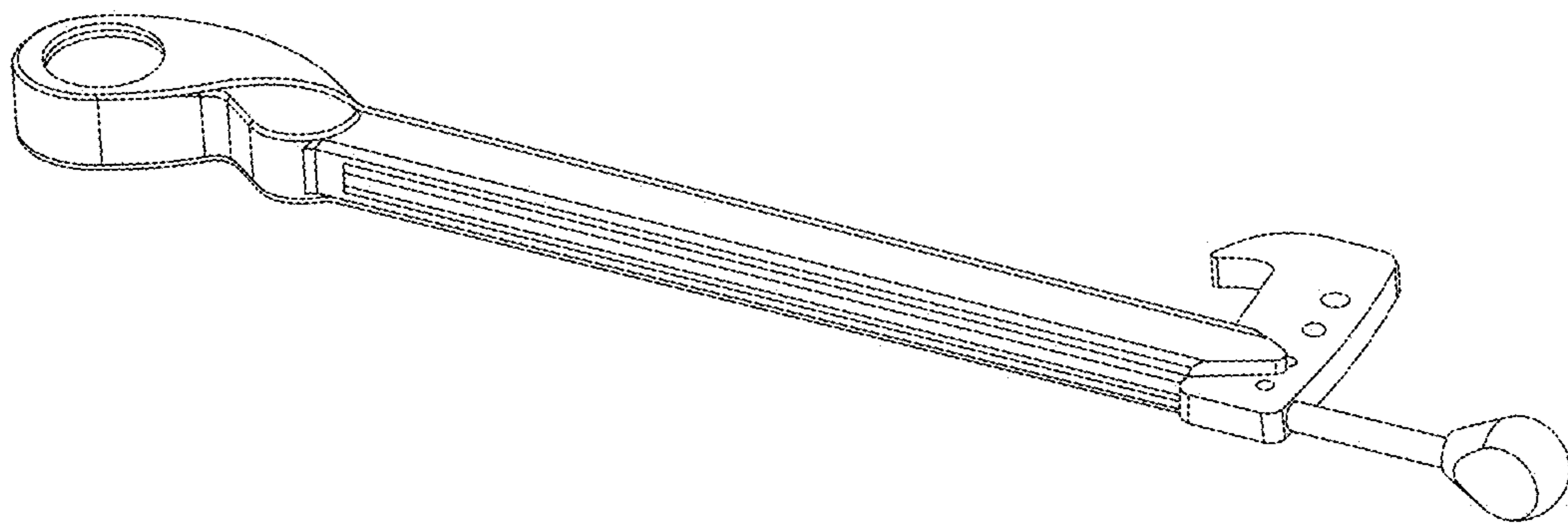


FIG. 1

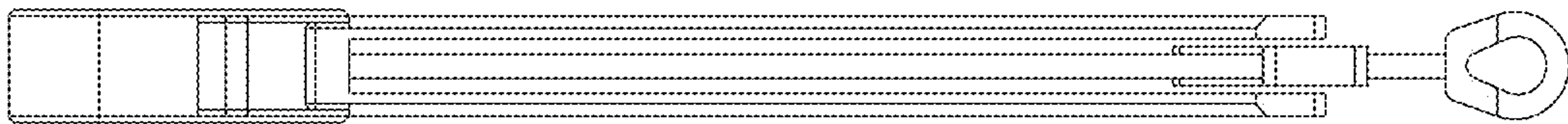


FIG. 2

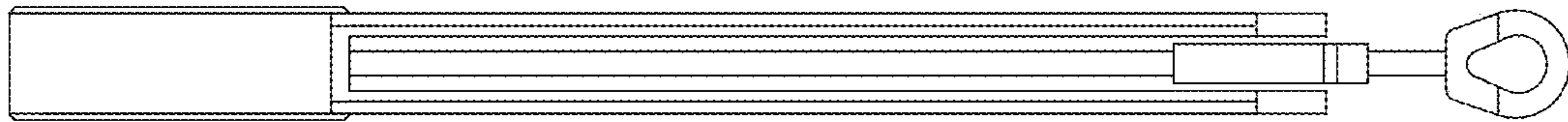


FIG. 3

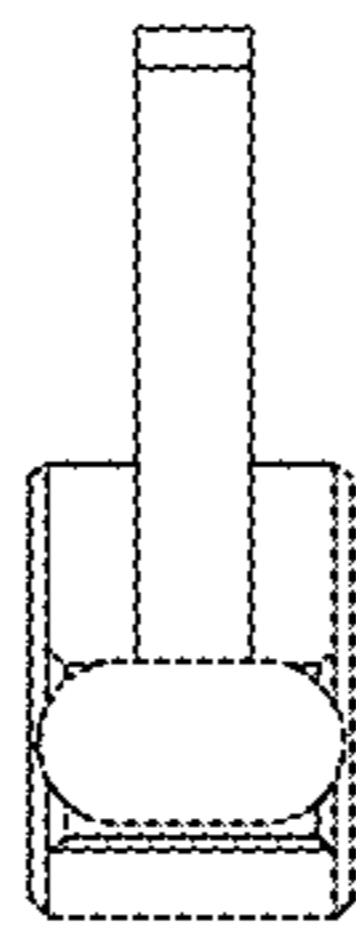


FIG. 4

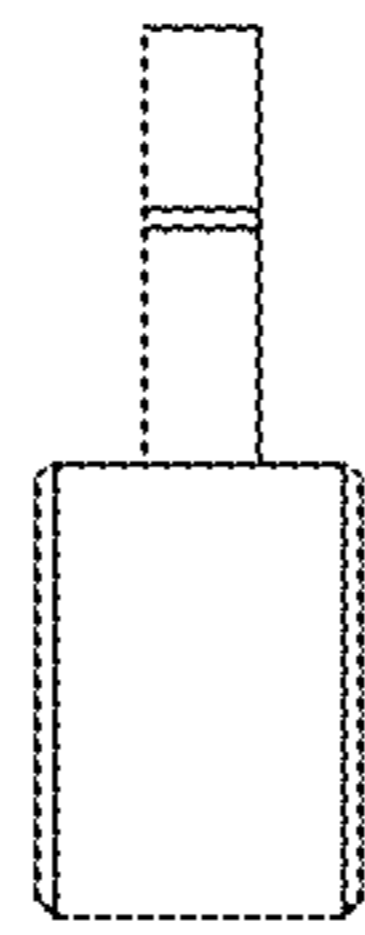


FIG. 5

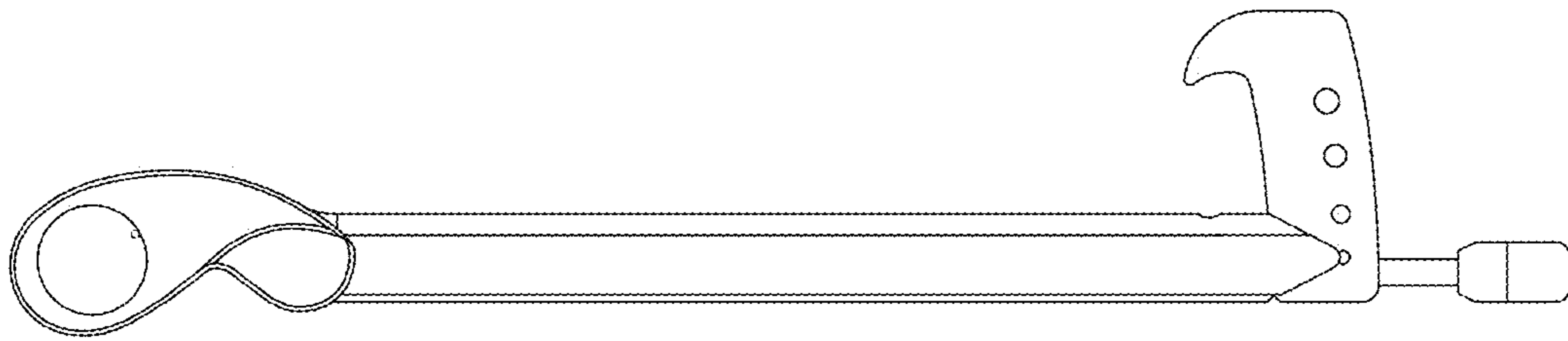


FIG. 6

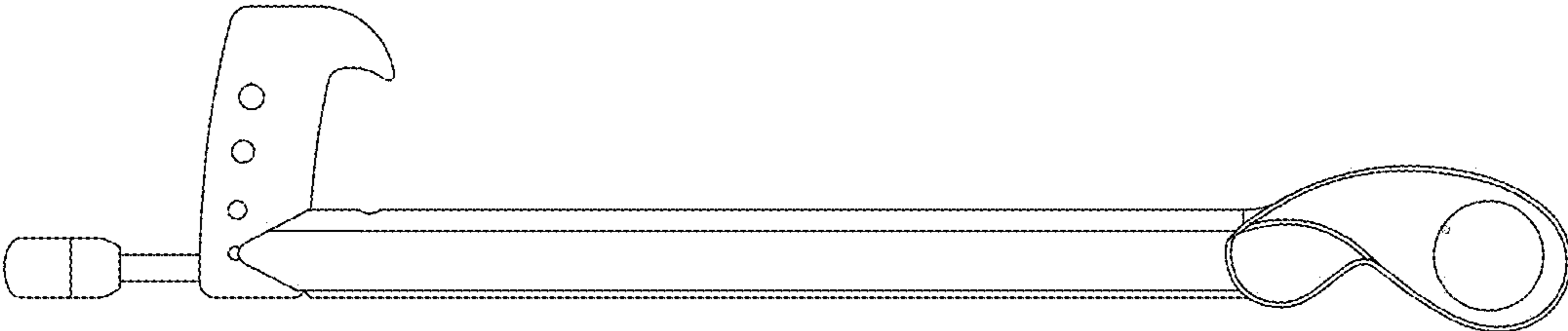


FIG. 7