



US00D984236S

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

(10) **Patent No.:** **US D984,236 S**  
(45) **Date of Patent:** **\*\* Apr. 25, 2023**

(54) **CRIMPING TOOL**  
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(72) Inventor: **Hsiu-Ru Lu**, New Taipei (TW)  
(73) Assignee: **Hanlong Industrial Co., Ltd.**, New Taipei (TW)

8,006,537 B2 \* 8/2011 Liu ..... B25B 27/10  
72/409.14  
D653,921 S \* 2/2012 Sutter ..... D8/52  
D660,677 S \* 5/2012 Sutter ..... D8/105  
D760,051 S \* 6/2016 Tsai ..... D8/52  
D768,451 S \* 10/2016 Persson ..... D8/52  
D901,268 S \* 11/2020 Liao ..... D8/52  
D901,269 S \* 11/2020 Liao ..... D8/52  
D901,270 S \* 11/2020 Liao ..... D8/52

(Continued)

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

**FOREIGN PATENT DOCUMENTS**

(21) Appl. No.: **29/748,389**

TW 211736-0001 \* 8/2020 ..... H01R 43/0425

(22) Filed: **Aug. 28, 2020**

**OTHER PUBLICATIONS**

(30) **Foreign Application Priority Data**

Aug. 14, 2020 (TW) ..... 109304588

Crimping Tool: 0.1-1.0 mm<sup>2</sup> Capacity, 16-28 AWG, Google.com, [online], [site visited Aug. 8, 2022, Available from internet URL: <https://www.pololu.com/product/1928> (Year: NA).\*

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(51) **LOC (14) Cl.** ..... **08-05**

(52) **U.S. Cl.**  
USPC ..... **D8/52**

(58) **Field of Classification Search**  
USPC ..... D8/34, 55, 51, 52, 21-26, 75, 105-107;  
D15/139, 140; D24/107  
CPC ..... B25B 7/02; B25B 25/005; B25B 7/123;  
F15L 33/03; H02G 1/12; H02G 1/1204;  
B25F 1/003; B26B 13/16  
See application file for complete search history.

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(57) **CLAIM**

The ornamental design for a crimping tool, as shown and described.

**DESCRIPTION**

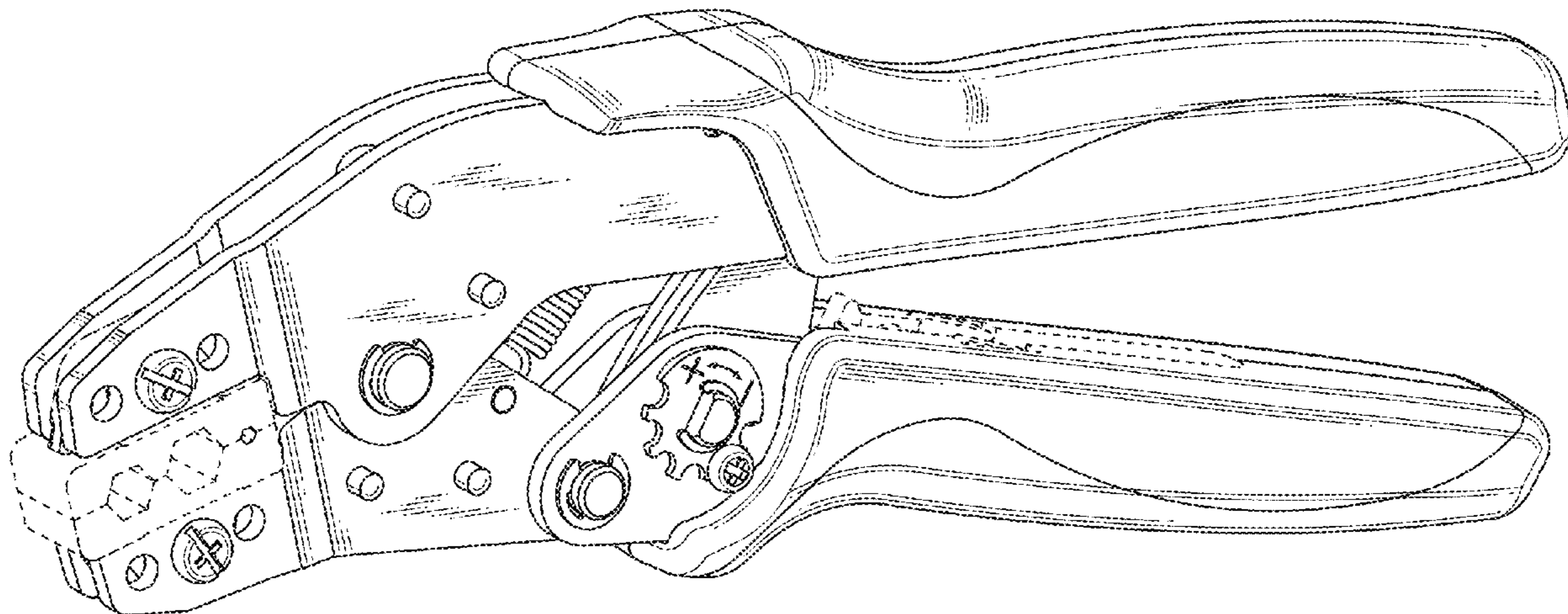
(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D322,544 S \* 12/1991 Steiner ..... D8/98  
D336,025 S \* 6/1993 Steiner ..... D8/52  
6,513,198 B2 \* 2/2003 Lu ..... B25G 1/12  
16/DIG. 18  
D506,660 S \* 6/2005 Chen ..... D8/52  
7,346,980 B2 \* 3/2008 Liao ..... H01R 43/0425  
29/761  
7,761,979 B2 \* 7/2010 Wang ..... H01R 43/042  
72/473

FIG. 1 is a perspective view of a crimping tool in accordance with the design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a left view thereof;  
FIG. 5 is a right view thereof;  
FIG. 6 is a top view thereof; and,  
FIG. 7 is a bottom view thereof.  
The broken line in the drawings depict portions of the crimping tool that from no part of the claimed design.

**1 Claim, 5 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D906,075 S \* 12/2020 Liao ..... D8/52  
D924,026 S \* 7/2021 Ullbors ..... D8/52  
D950,341 S \* 5/2022 Chiang ..... D8/51  
2009/0011638 A1\* 1/2009 Wang ..... H01R 43/042  
439/585  
2014/0245807 A1\* 9/2014 Liao ..... H01R 43/0425  
72/409.11  
2019/0308304 A1\* 10/2019 Yen ..... B25B 27/146  
2020/0059057 A1\* 2/2020 Lin ..... H01R 43/0425

OTHER PUBLICATIONS

From AutoCAD Drawing G OMT dokument 2Dritning\_smst\_1009890008.dwg <https://docs.rs-online.com/2ca9/0900766b815572a6.pdf> Nov. 2, 2016 (Year: 2016).\*  
RS Crimp Tool <https://docs.rs-online.com/1202/0900766b815572aa.pdf> Dec. 15, 2016 (Year: 2016).\*

\* cited by examiner

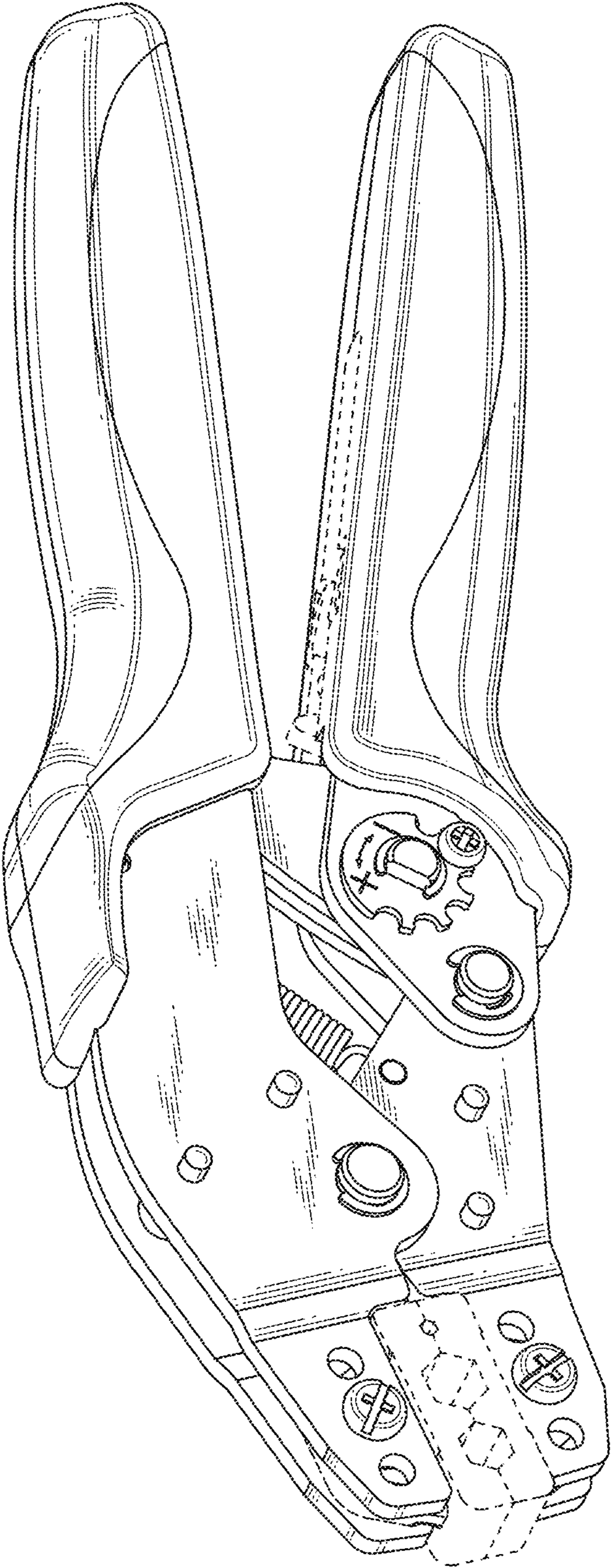


FIG. 1

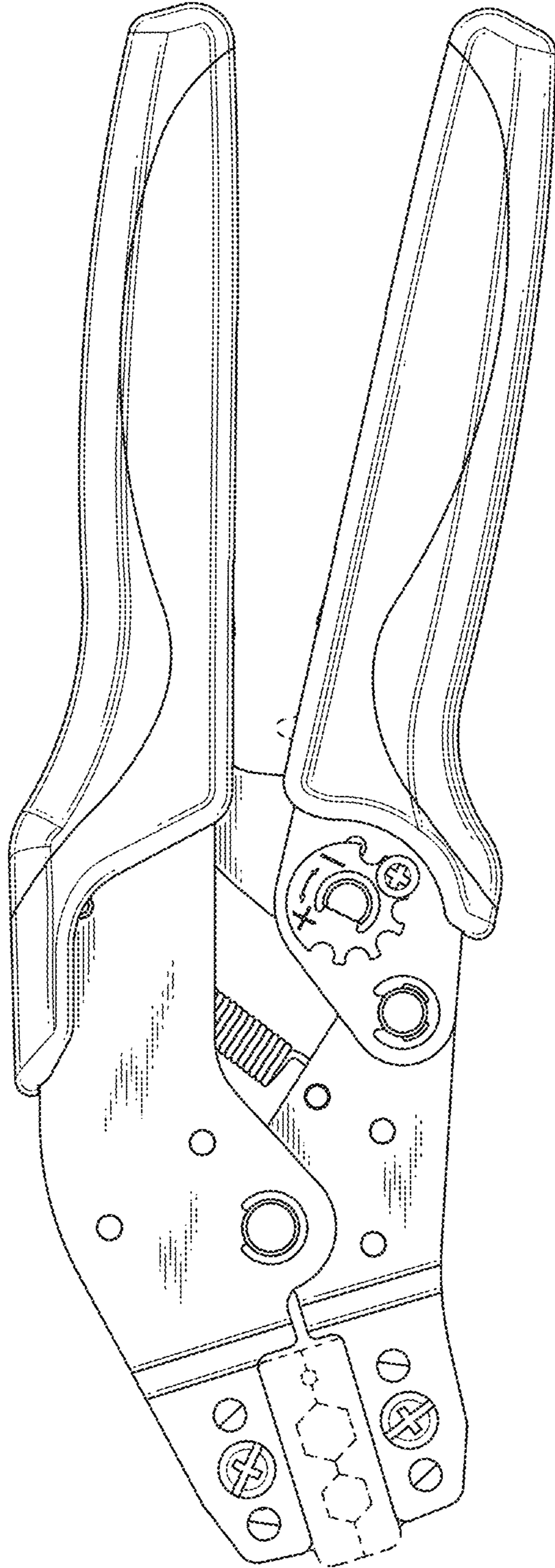


FIG. 2

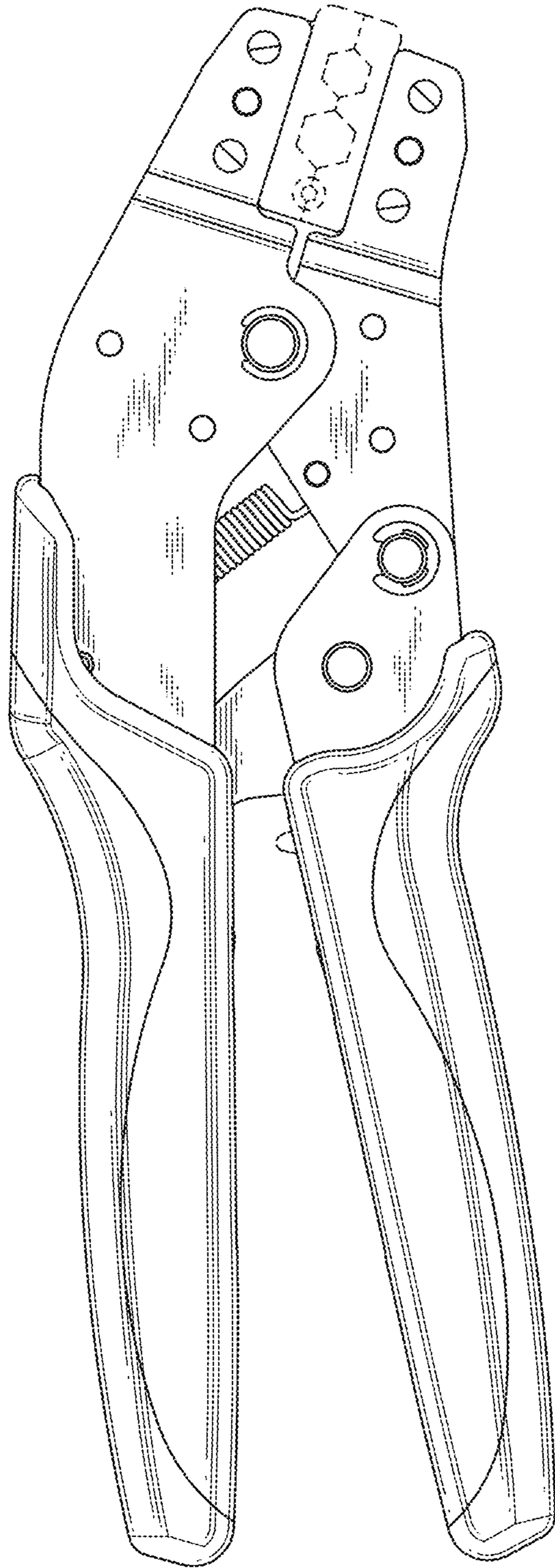


FIG. 3

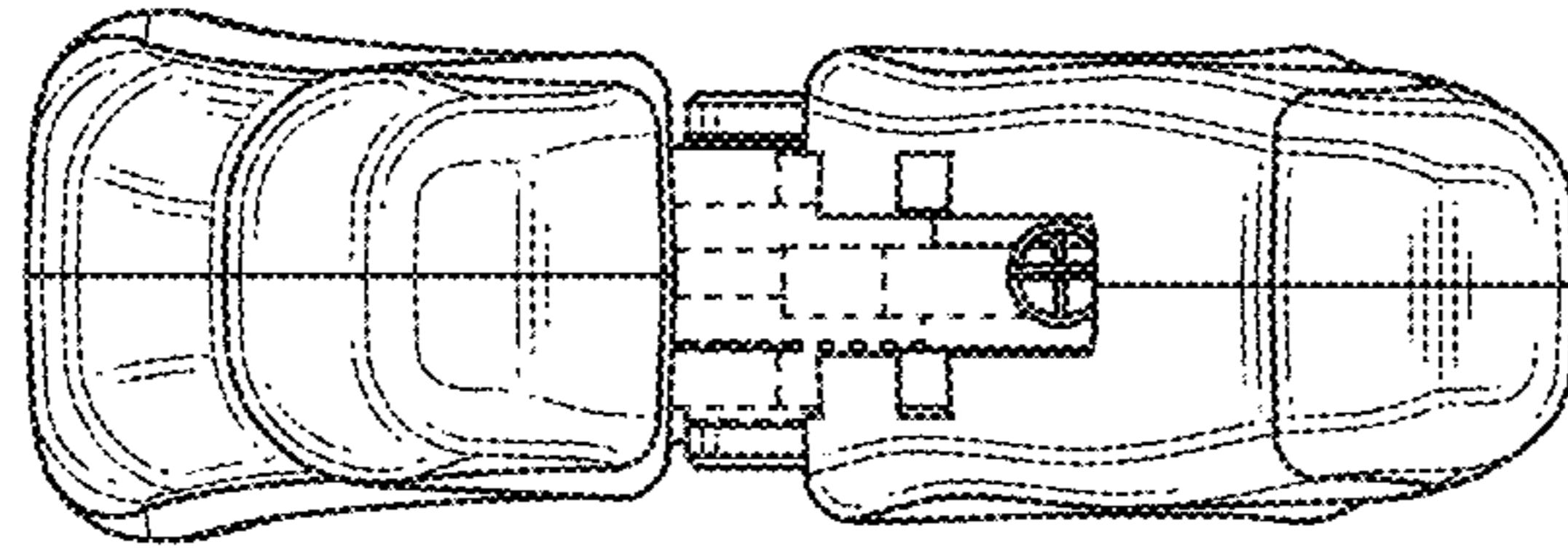


FIG. 5

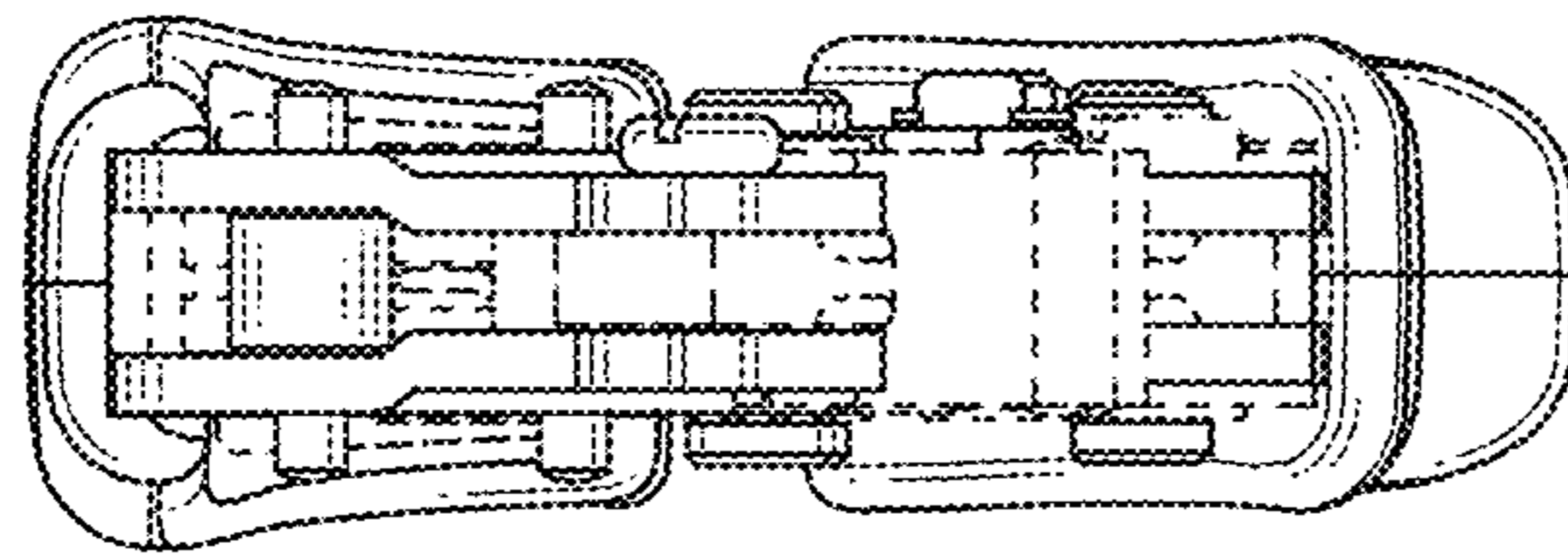


FIG. 4

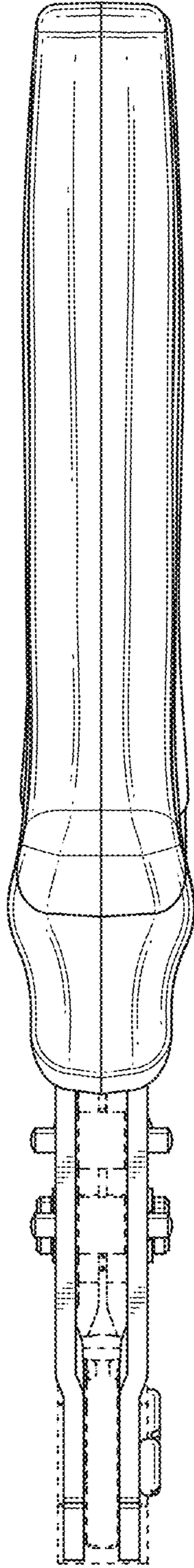


FIG. 6

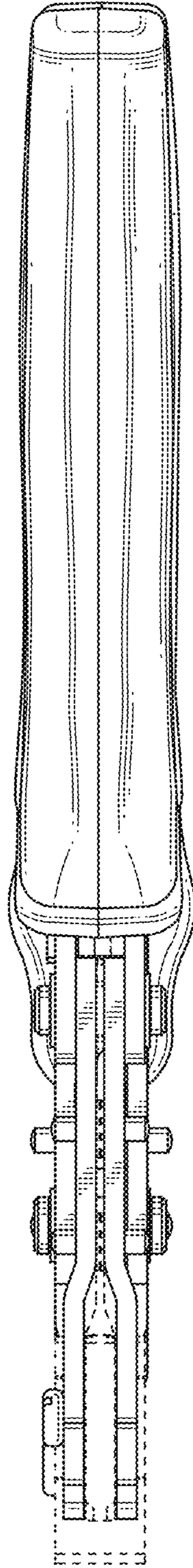


FIG. 7