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(12) **United States Design Patent** (10) **Patent No.:** **US D977,931 S**
Lin (45) **Date of Patent:** **** Feb. 14, 2023**

(54) **CRIMPING TOOL**

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

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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;
B25B 27/10; B25B 27/146; B25B 7/06;
B25B 7/12; F15L 33/03; H02G 1/12;
H02G 1/1204; B25F 1/003; B26B 13/16
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,727,416 A * 12/1955 Labuza H01R 43/0424
72/402
2,991,675 A * 7/1961 Ustin H01R 43/0424
81/304
3,226,968 A * 1/1966 Holmes H01R 43/0424
72/402
3,252,316 A * 5/1966 Haucke H01R 43/0424
72/409.13

(Continued)

FOREIGN PATENT DOCUMENTS

CN 307080577 * 1/2022
EM 008654222-0006 * 8/2021

(Continued)

OTHER PUBLICATIONS

FD2810HX—Crimping Tool—Hexagonal Profile—28-10 AWG, Google.com, [online], [site visited Aug. 25, 2022], Available from internet URL: <https://www.ferrulesdirect.com/products/fd2810hx> (Year: NA).*

(Continued)

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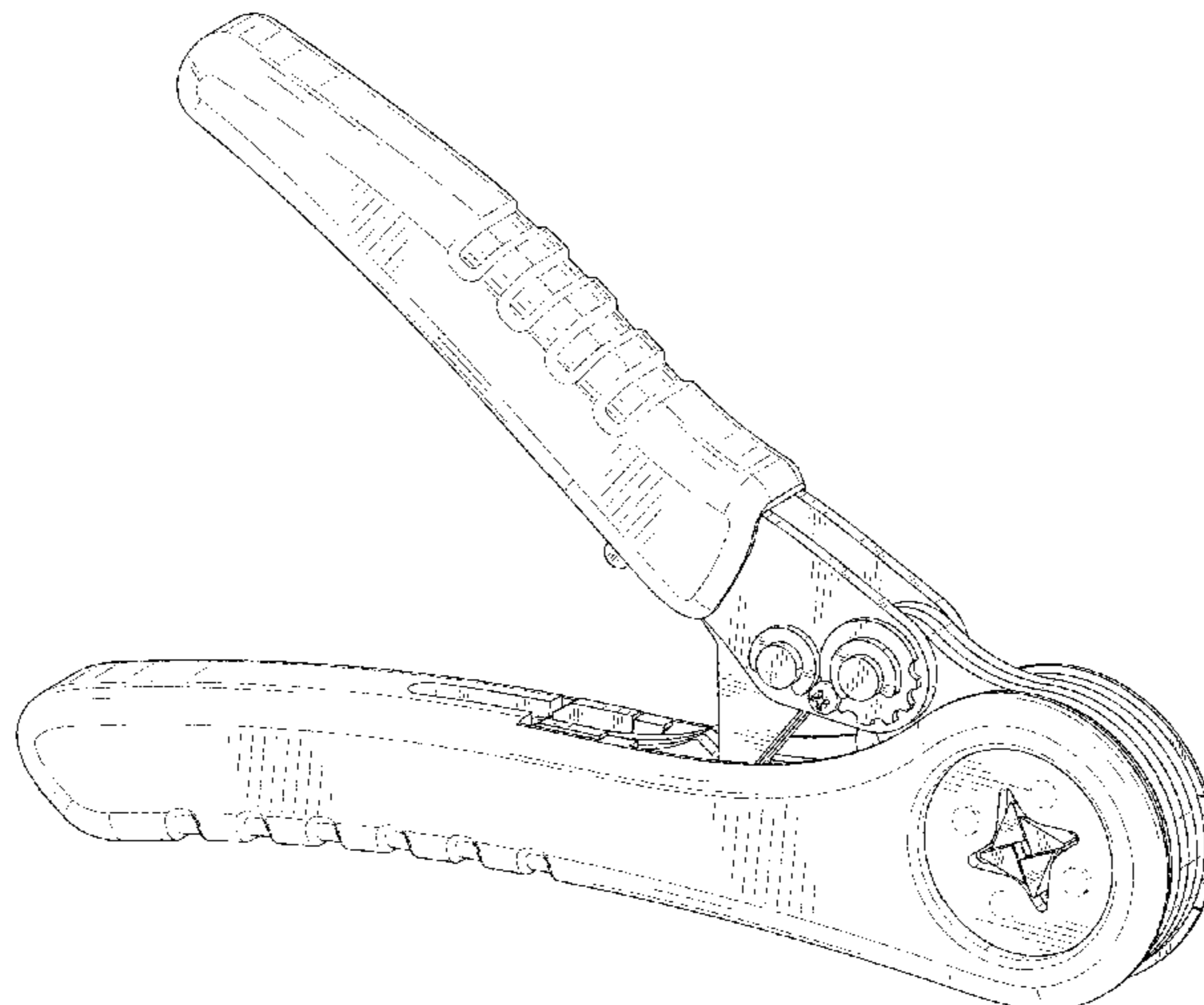
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of a first embodiment of a crimping tool showing my new design; FIG. 2 is another perspective view thereof; FIG. 3 is a front elevational view thereof; FIG. 4 is a rear elevational view thereof; FIG. 5 is a left side elevational view thereof; FIG. 6 is a right side elevational view thereof; FIG. 7 is a top plan view thereof; FIG. 8 is a bottom plan view thereof; FIG. 9 is a perspective view of a second embodiment of the crimping tool; FIG. 10 is another perspective view thereof; FIG. 11 is a front elevational view thereof; FIG. 12 is a rear elevational view thereof; FIG. 13 is a left side elevational view thereof; FIG. 14 is a right side elevational view thereof; FIG. 15 is a top plan view thereof; and, FIG. 16 is a bottom plan view thereof. The broken lines in the drawings depict portions of the crimping tool that form no part of the claimed design.

1 Claim, 16 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

3,459,029 A * 8/1969 Rosenfeld H01R 43/0424
72/402
D226,548 S * 3/1973 Mueller D8/58
6,176,116 B1 * 1/2001 Wilhelm H01R 43/0424
81/367
D465,140 S * 11/2002 Cheng D8/51
D544,323 S * 6/2007 Hutchfield D8/52
D558,014 S * 12/2007 Hutchfield D8/52
D673,829 S * 1/2013 Takeshima D8/61
8,474,299 B2 * 7/2013 Lutze H01R 43/0424
72/402
D693,198 S * 11/2013 Hutchfield D8/51
D696,090 S * 12/2013 Takeshima D8/61
D836,415 S * 12/2018 Lin D8/52
D838,564 S * 1/2019 Mueller D8/52
10,173,308 B2 * 1/2019 Frischemeier B25B 27/10
D901,268 S 11/2020 Liao
D901,271 S * 11/2020 Liao D8/52
10,835,402 B2 * 11/2020 Walsh B25B 27/146
D924,025 S * 7/2021 Ullbors D8/52
D950,341 S * 5/2022 Chiang D8/51
D963,450 S * 9/2022 Chen D8/52

D963,451 S * 9/2022 Chen D8/52
D964,834 S * 9/2022 Huang D8/52
2011/0094285 A1 * 4/2011 Lutze H01R 43/0424
72/409.12
2014/0245807 A1 * 9/2014 Liao H01R 43/0425
72/409.11
2015/0349478 A1 * 12/2015 Ullbors B25B 27/10
72/402
2020/0059057 A1 * 2/2020 Lin H01R 43/0425
2021/0331293 A1 * 10/2021 Chen H01R 43/042

FOREIGN PATENT DOCUMENTS

EM 008724546-0001 * 10/2021
EM 008724546-0002 * 10/2021
GB 6208451 * 5/2022

OTHER PUBLICATIONS

Amazon.com_ Flytuo Hexagonal Ferrule Crimping Tool https://www.amazon.com/dp/B0B129HP6X/ref=sspa_dk_detail_6?ie=UTF8&s=hi&sp_csd=d2lkZ2V0TmFtZT1zcF9kZXRhaWxhdGhlfWF0aWM&th=1 Available May 11, 2022 (Year: 2022).*

* cited by examiner

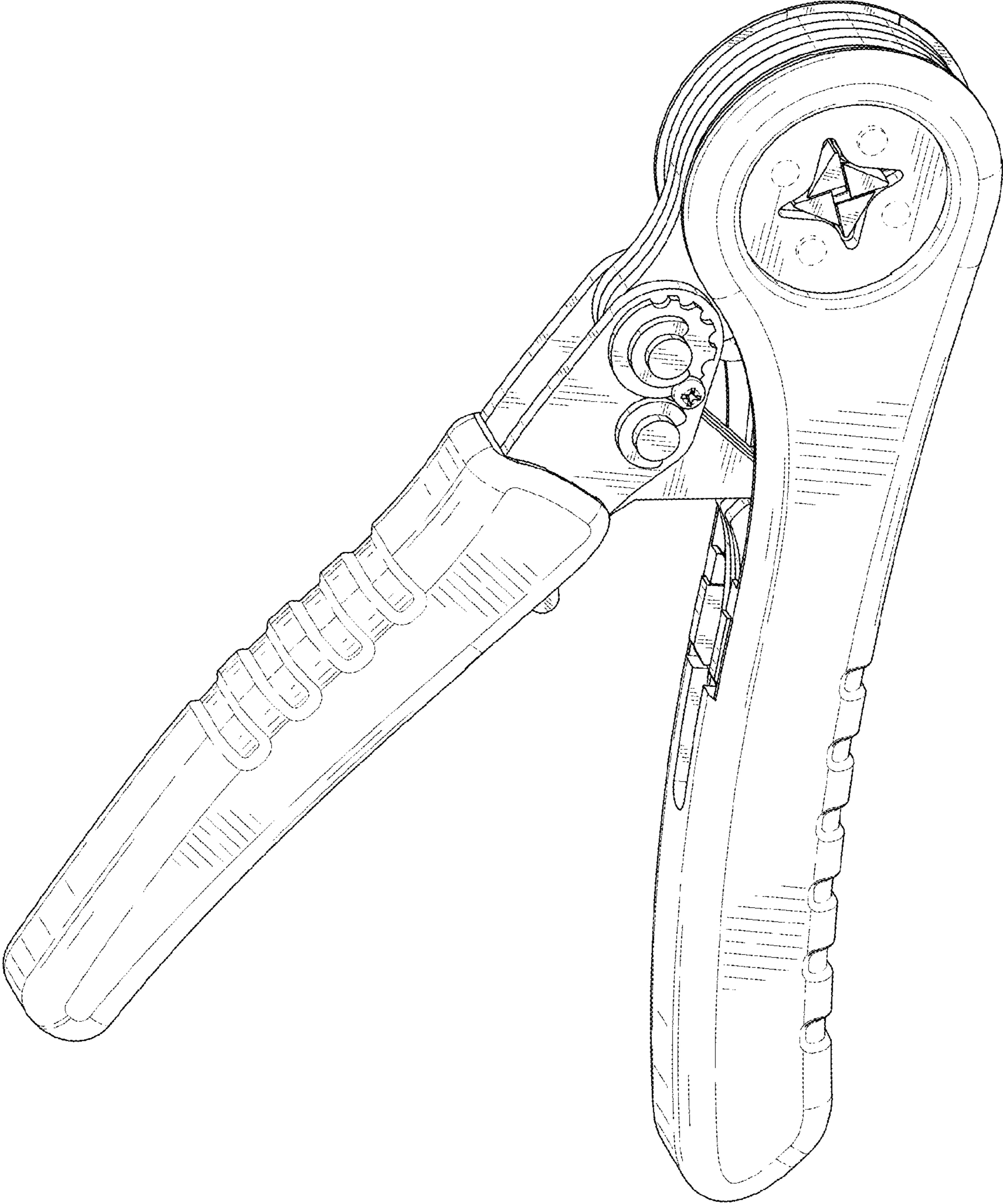


FIG. 1

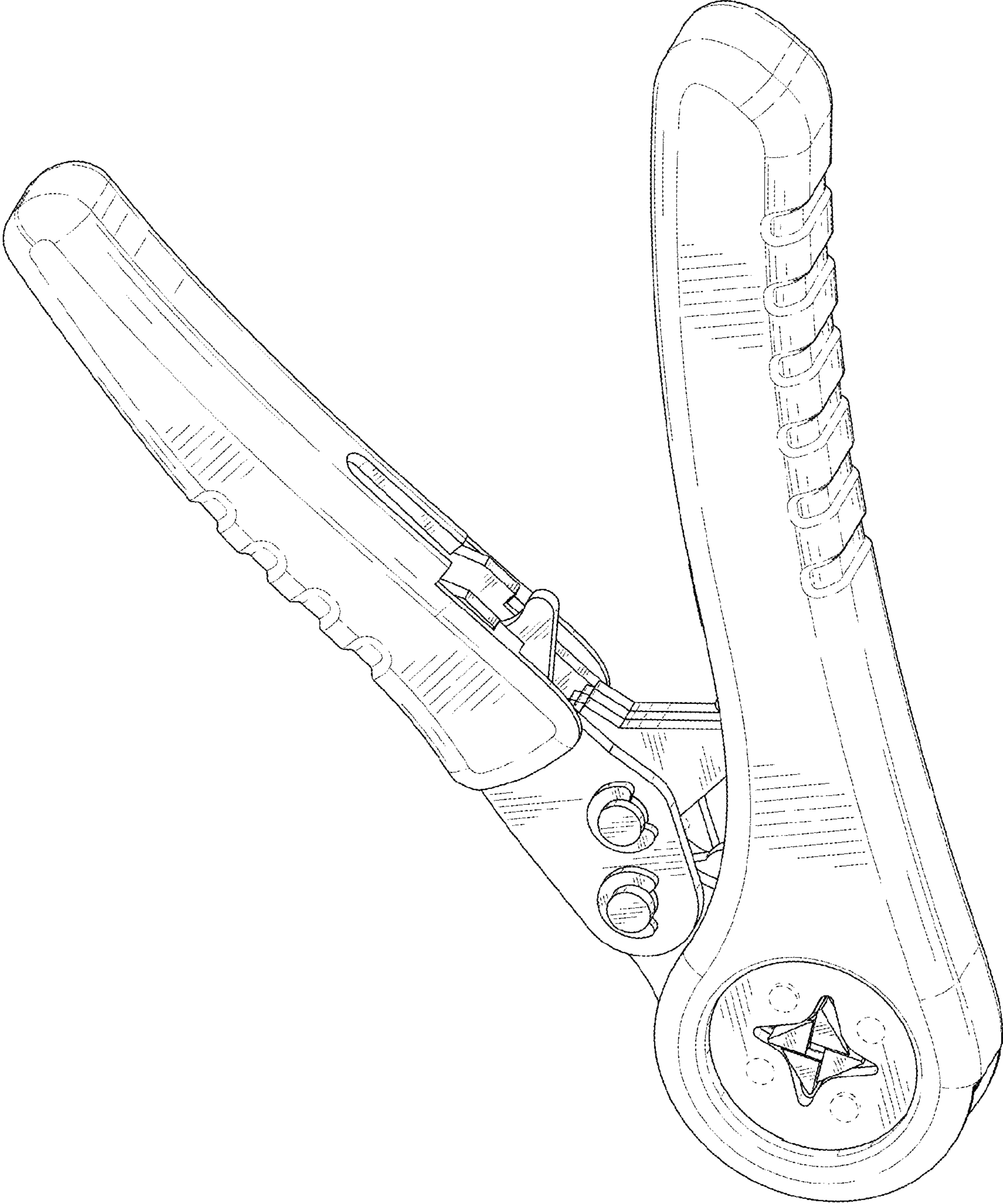


FIG. 2

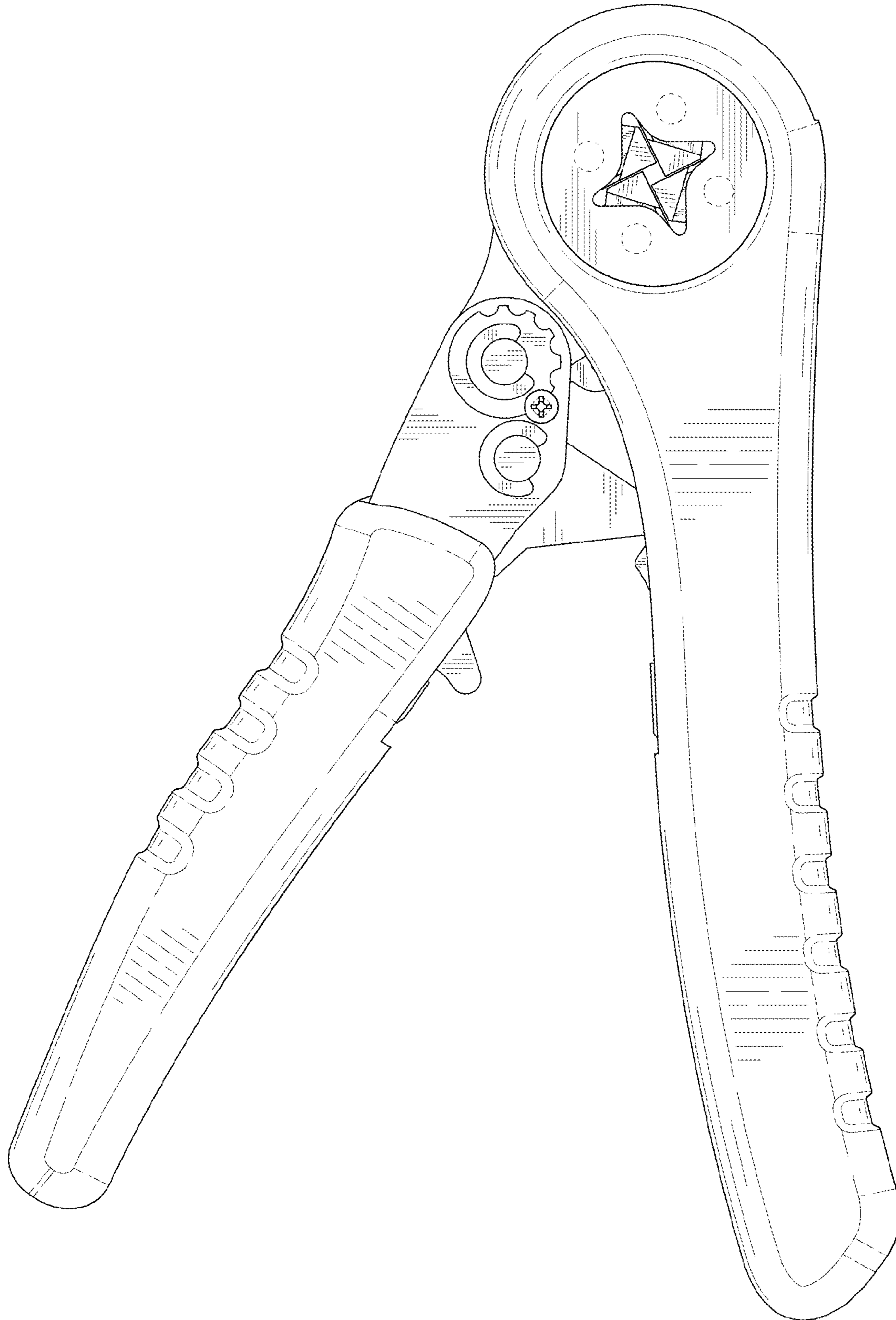


FIG. 3

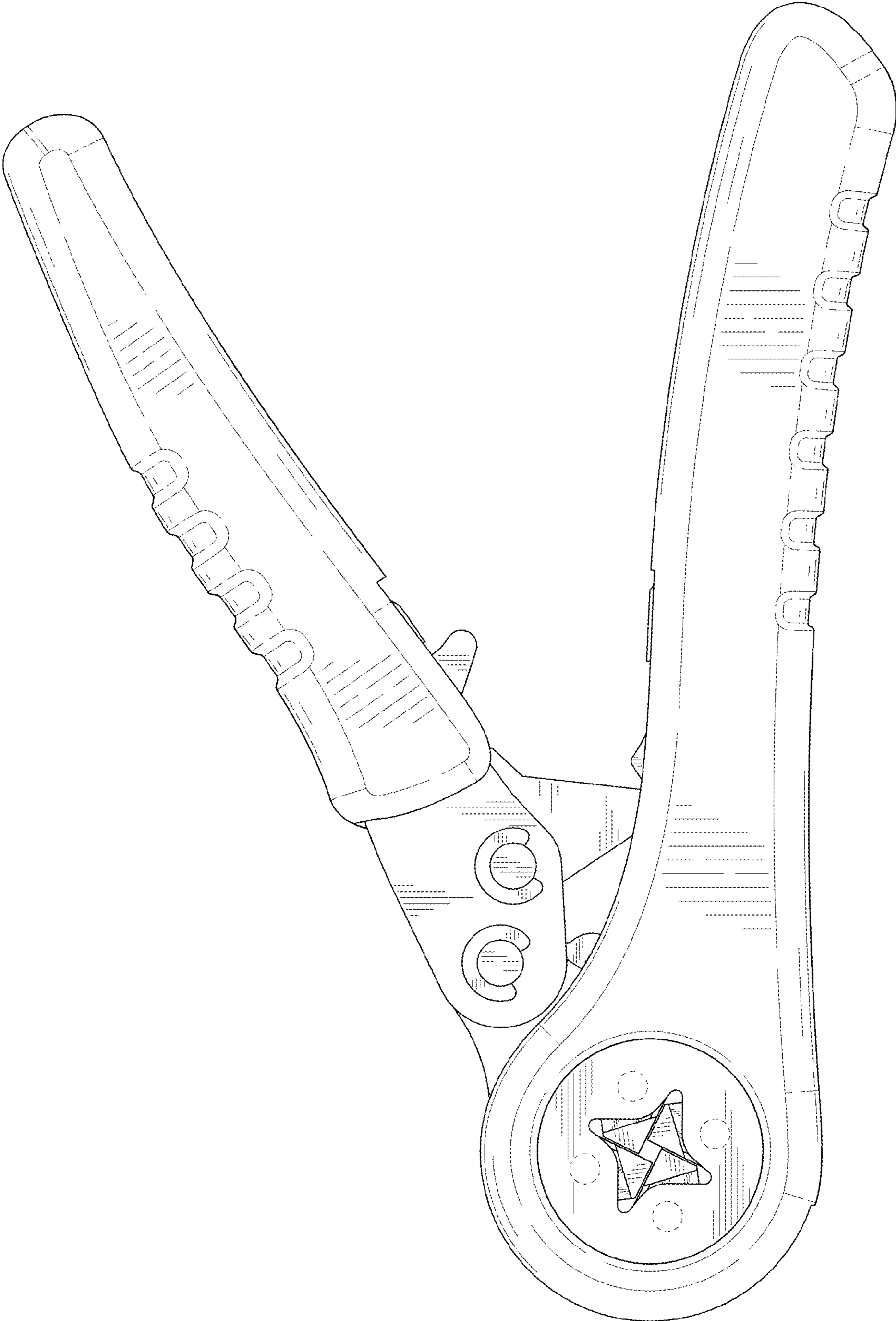


FIG. 4

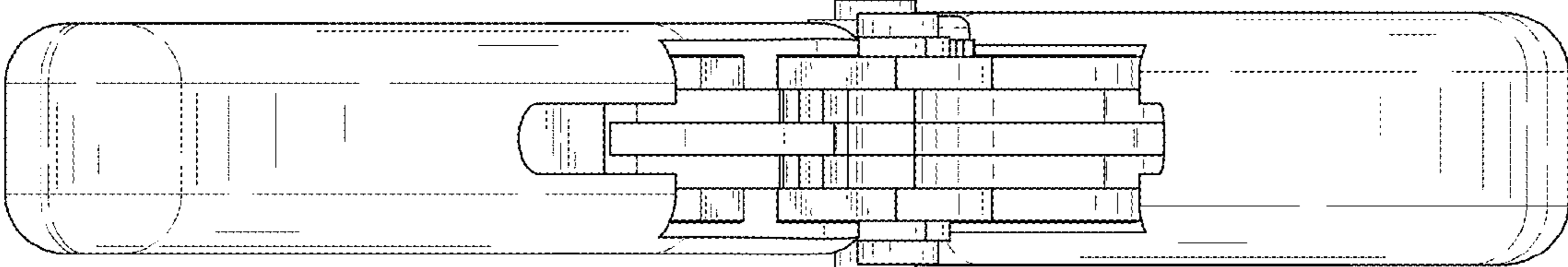


FIG. 5

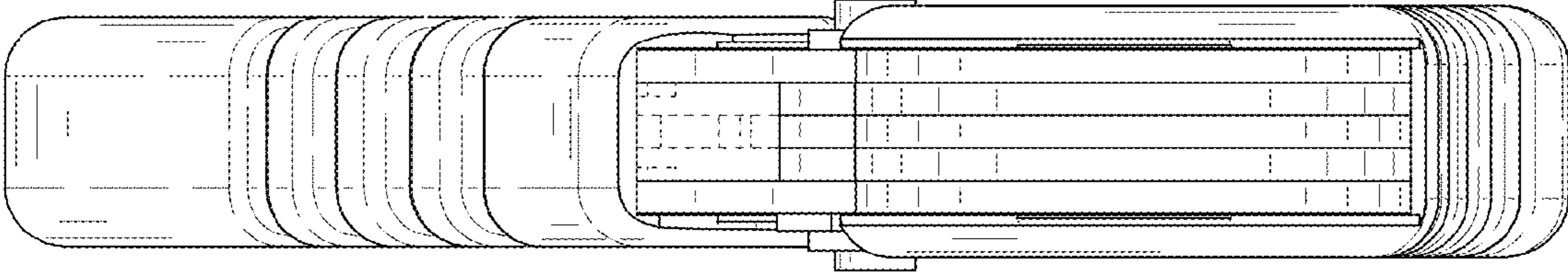


FIG. 6

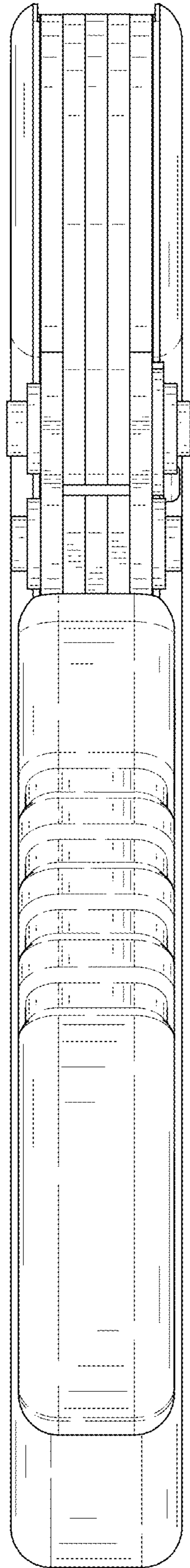


FIG. 7

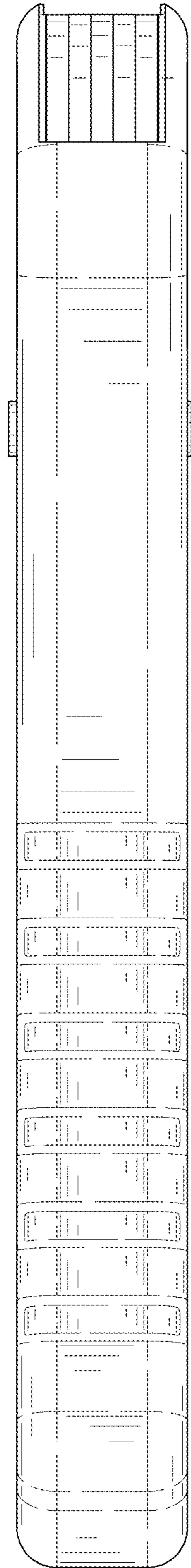


FIG. 8

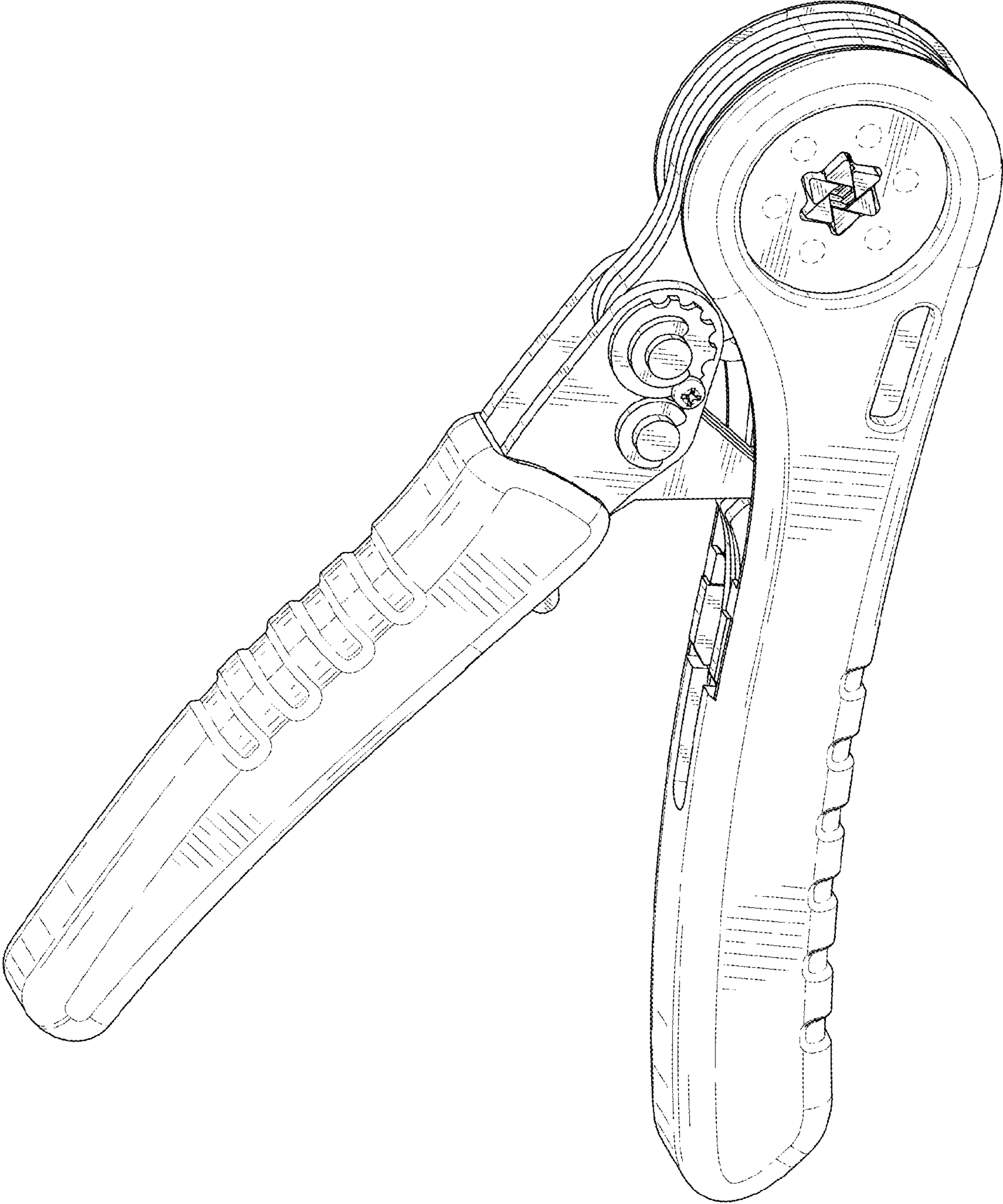


FIG. 9

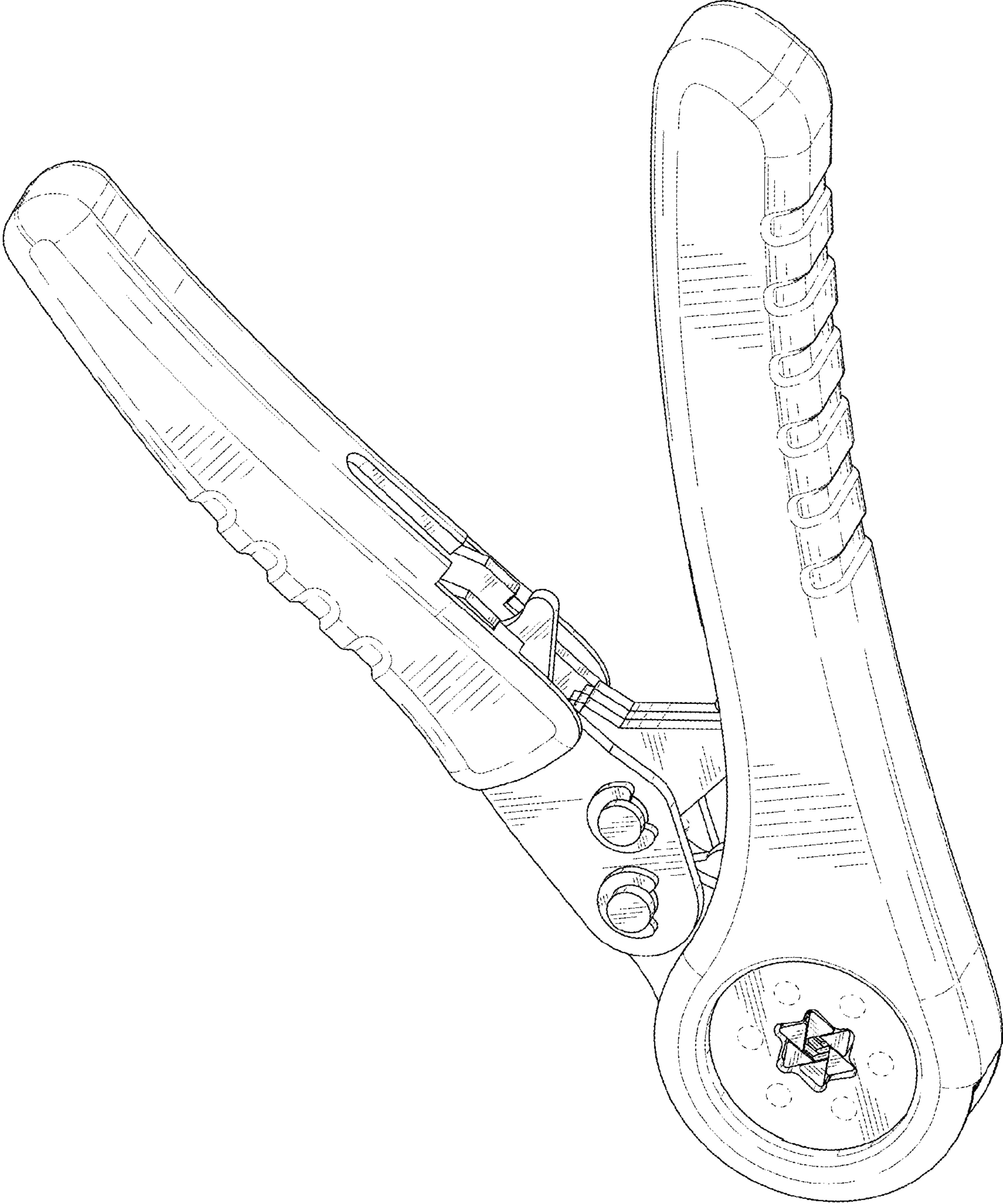


FIG. 10



FIG. 11

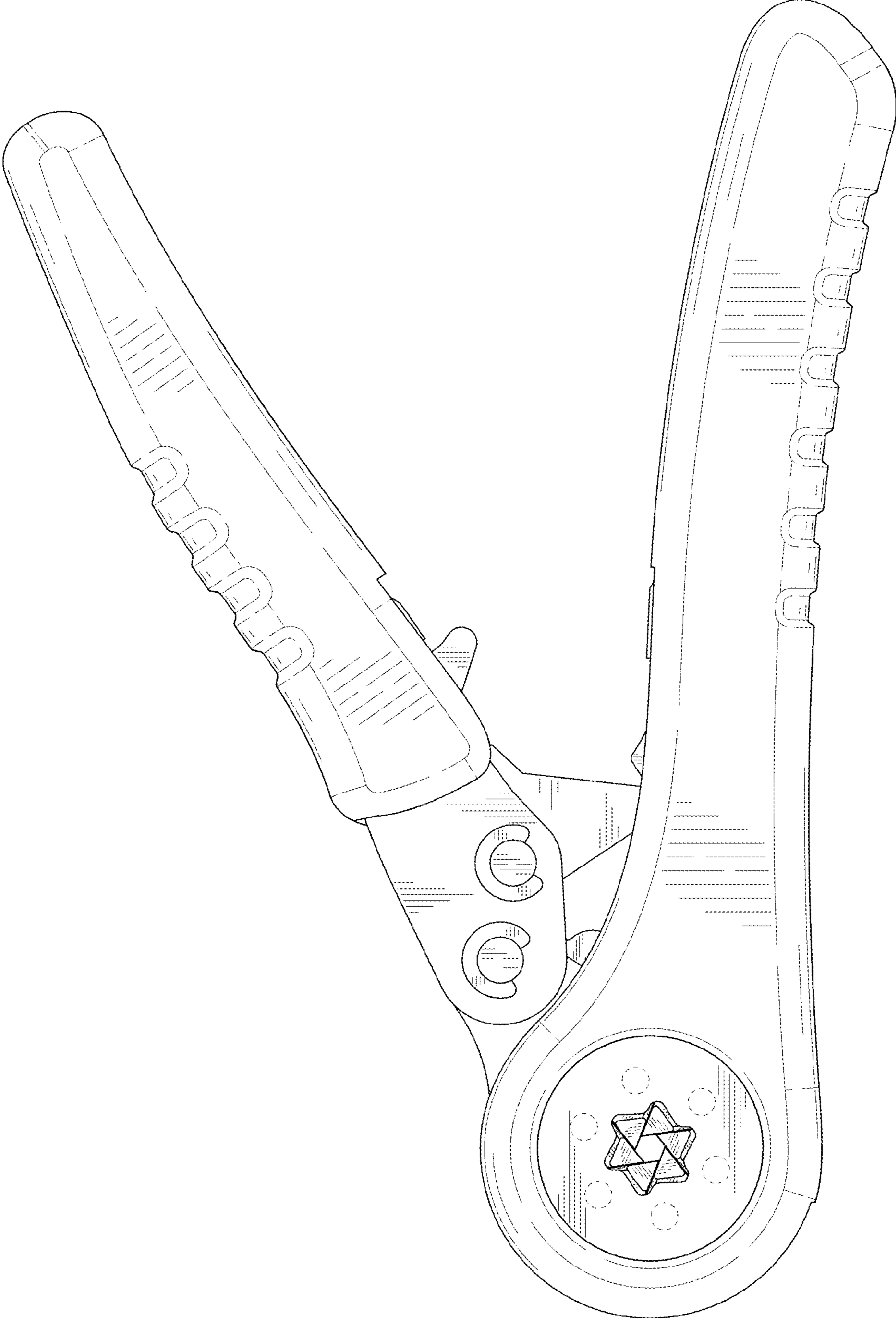


FIG. 12

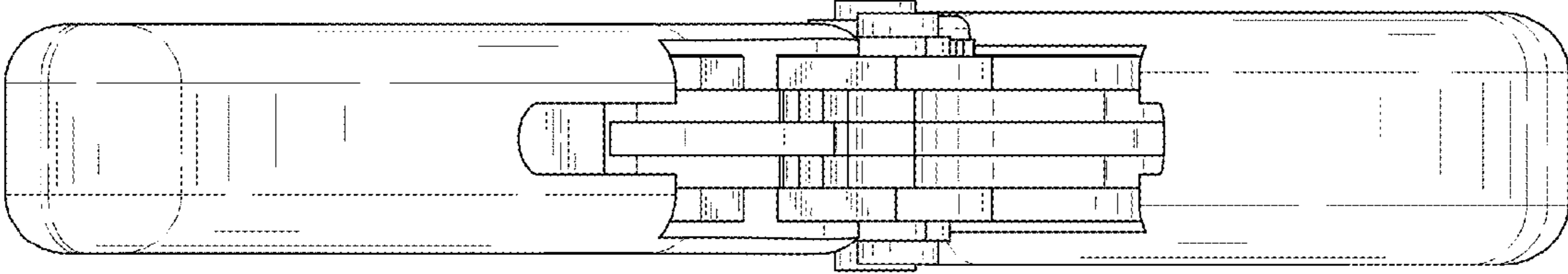


FIG. 13

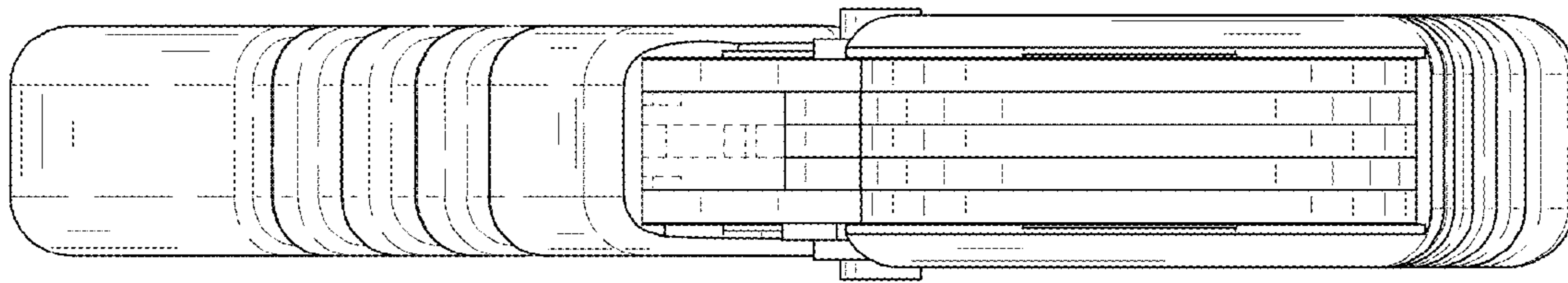


FIG. 14

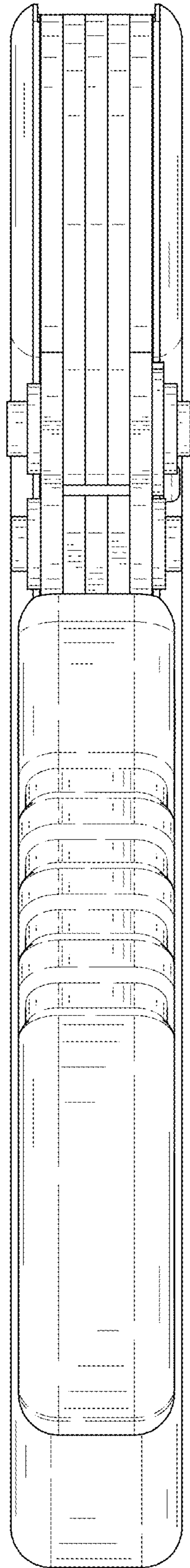


FIG. 15

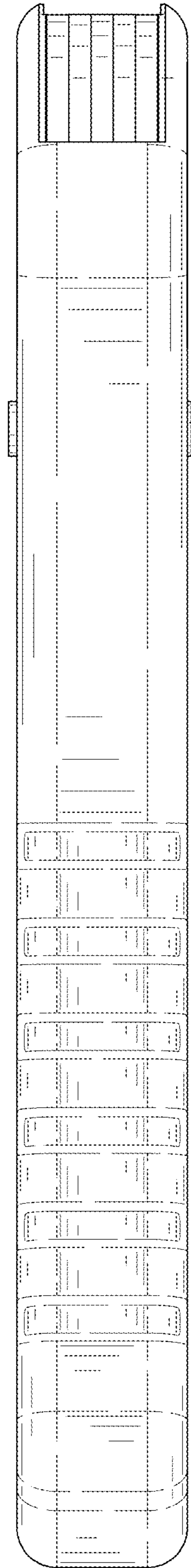


FIG. 16