



US00D917250S

(12) **United States Design Patent** (10) **Patent No.:** **US D917,250 S**
Su (45) **Date of Patent:** **** Apr. 27, 2021**

(54) **SPANNER**

(71) Applicant: **Hong Ann Tool Industries Co., Ltd.,**
Taichung (TW)

(72) Inventor: **Cheng-Wei Su,** Taichung (TW)

(73) Assignee: **Hong Ann Tool Industries Co., Ltd.,**
Taichung (TW)

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

(21) Appl. No.: **29/691,238**

(22) Filed: **May 15, 2019**

(51) **LOC (13) Cl.** **08-05**

(52) **U.S. Cl.**
USPC **D8/22; D8/21; D8/27**

(58) **Field of Classification Search**
USPC D8/14, 16-19, 21-29, 51, 52, 54-59;
81/125.1, 177.1, 119, 124.7, 124.3, 186,
81/431, 176.15, 461.1, 99, 98, 100
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

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D432,879 S * 10/2000 Loyaute D8/22
D457,406 S * 5/2002 Hu D8/22
6,848,342 B2 * 2/2005 Bergfeld, III B25B 13/24
81/145
7,117,768 B1 * 10/2006 Stoepelwerth B25B 13/14
81/133
D599,179 S * 9/2009 Robinson D8/22
D671,383 S * 11/2012 Prescott D8/22
D710,164 S * 8/2014 Wu D8/21
D758,154 S * 6/2016 Huang D8/22

D759,446 S * 6/2016 Stobar D8/22
D759,447 S * 6/2016 Caglar D8/22
2004/0025646 A1 * 2/2004 Hsien B25B 13/14
81/125.1

(Continued)

FOREIGN PATENT DOCUMENTS

CN 3263915 * 1/2002
CN 3614734 * 3/2006

(Continued)

OTHER PUBLICATIONS

Kisneg, Adjustable Wrench ,Kiseng 16-68mm Mini Adjustable
Spanner Short Shank Large Openings Ultra-Thin, Date first avail-
able Sep. 3, 2016, [online]retrieved Oct. 5, 2020, available from
internet, www.amazon.com (Year: 2016).*

(Continued)

Primary Examiner — Keli L Hill
Assistant Examiner — Sara S Sahneh
(74) *Attorney, Agent, or Firm* — Alan D. Kamrath; Karin
L. Williams; Mayer & Williams PC

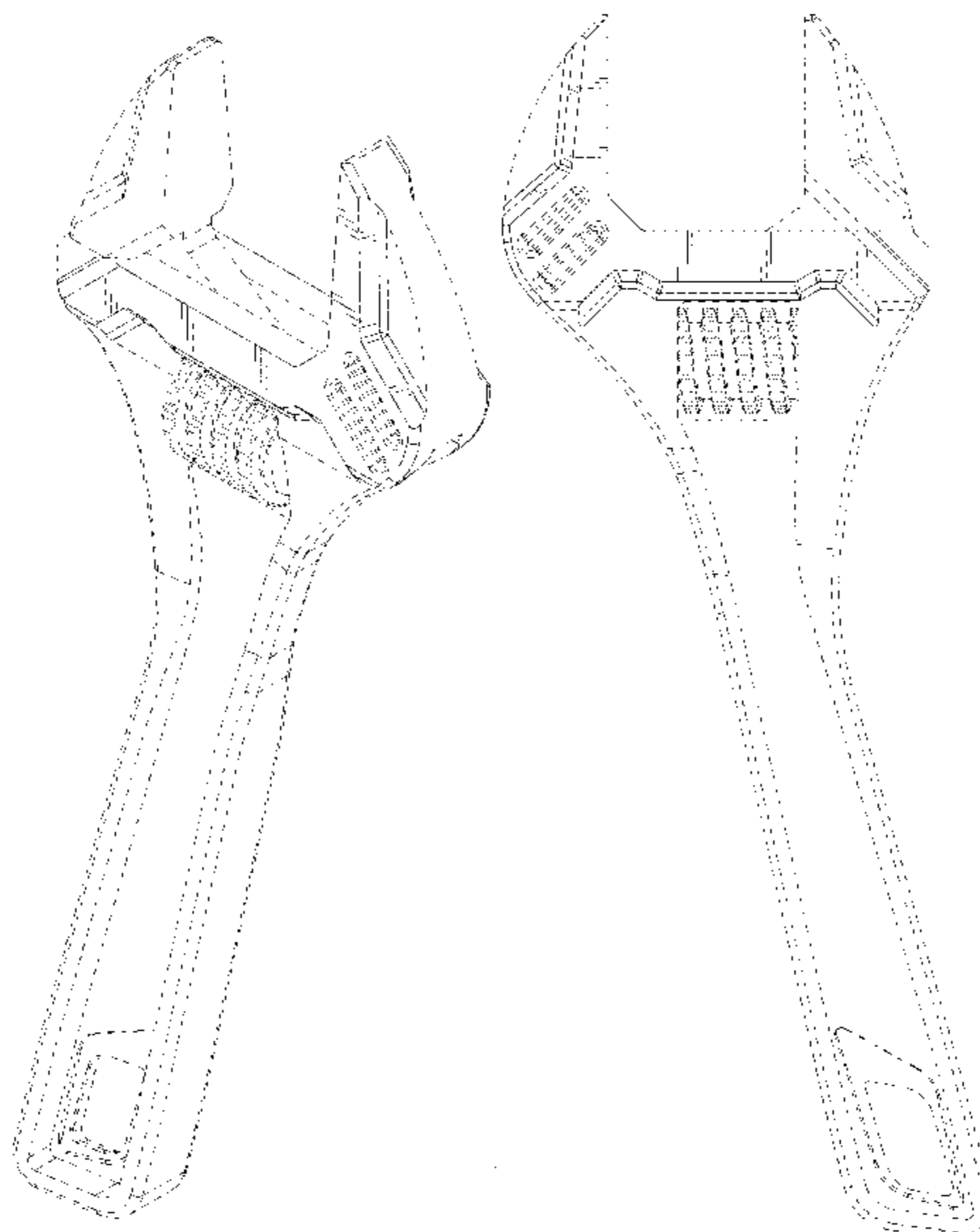
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of a spanner showing my new
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 lines shown are included for the purpose of
illustrating portions of the spanner that form no part of the
claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2010/0263498 A1* 10/2010 Huang B25B 13/46
81/170
2011/0120277 A1* 5/2011 Wu B25B 13/14
81/165

FOREIGN PATENT DOCUMENTS

CN 303427802 * 7/2015
JP D1486406 * 2/2013
JP D1626389 * 6/2018
JP D1626419 * 8/2018
KR 301007529.0000 * 8/2018

OTHER PUBLICATIONS

Ares Store, 79008-8-Inch Thinn Head Adjustable Alligator Wrench—
1¼-Inch Jaw Capacity—Chrome Vanadium Steel Construction
Date first available Sep. 27, 2018, [online]retrieved Oct. 14, 2020,
available from internet, www.amazon.com (Year: 2018).*

Proferred Store, Plumbing Adjustable Wrench, Phosphate
Finish,T08001,Date first available Oct. 15, 2015, [online]retrieved
Oct. 14, 2020, available from internet, www.amazon.com (Year:
2015).*

Sata Store, 8-Inch Professional Extra-Wide Jaw Adjustable Wrench
with Forged Alloy Steel Body and a Chrome Plated Finish, ST47123—
Date first available Jun. 3, 2019, [online]retrieved Oct. 14, 2020,
available from internet, www.amazon.com (Year: 2019).*

* cited by examiner

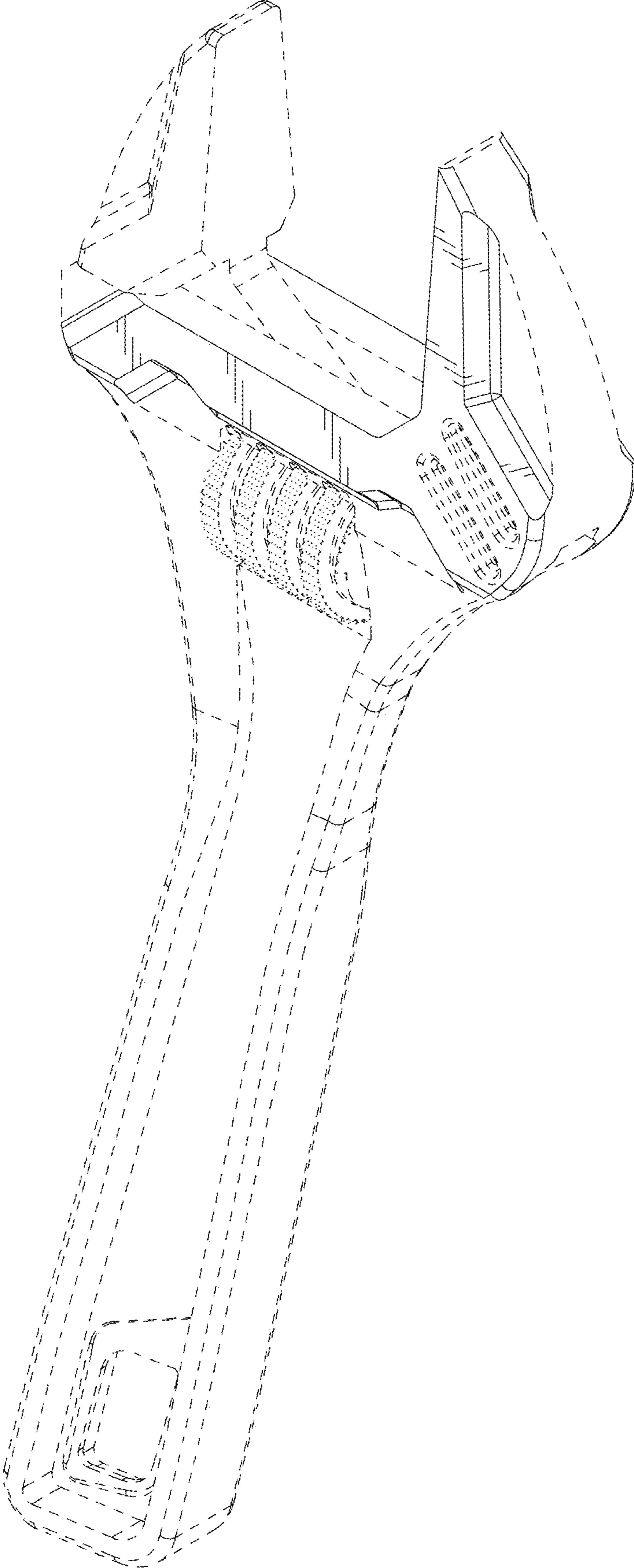


FIG. 1

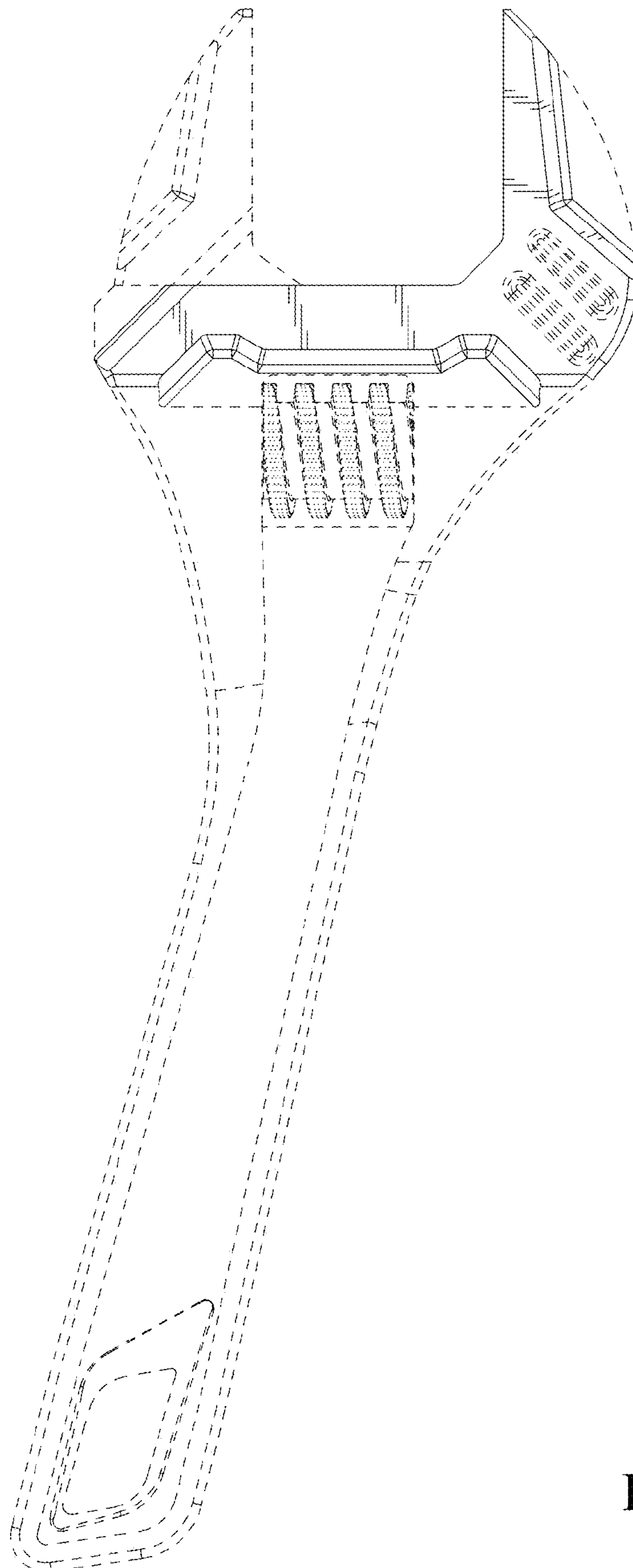


FIG. 2

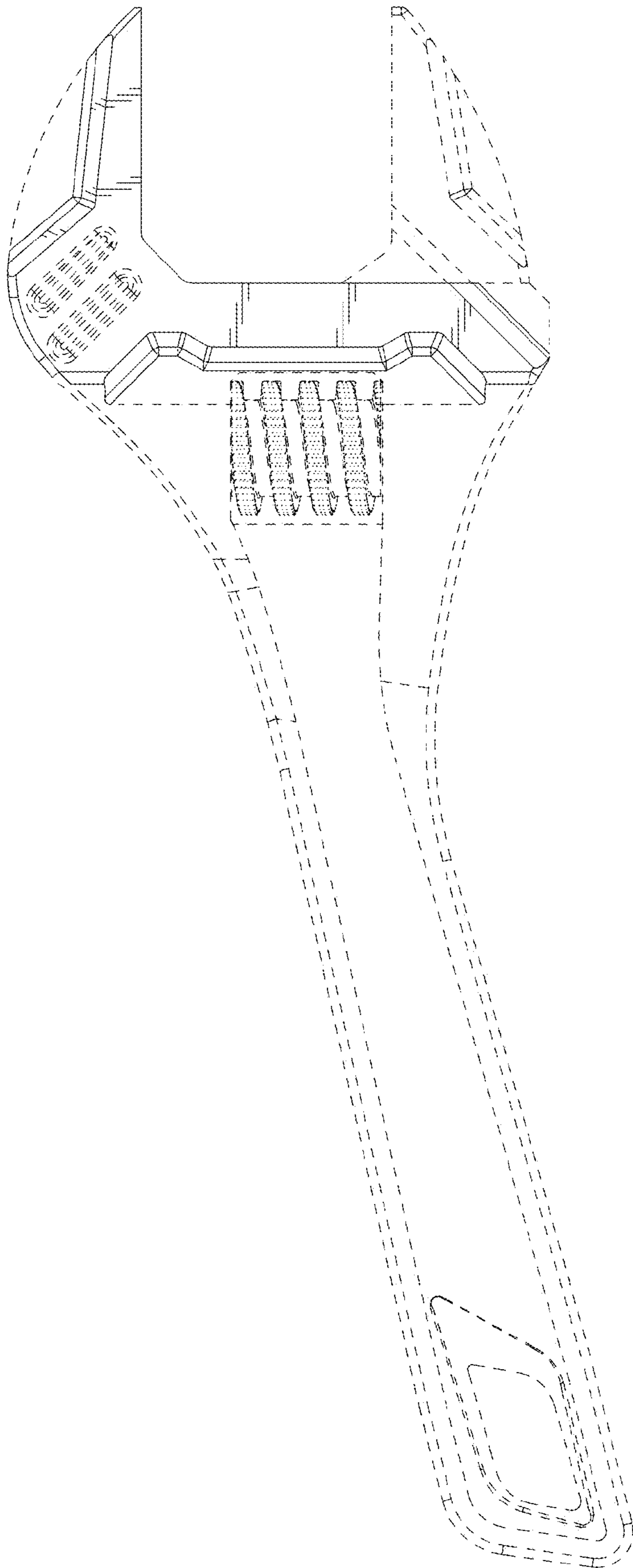


FIG. 3

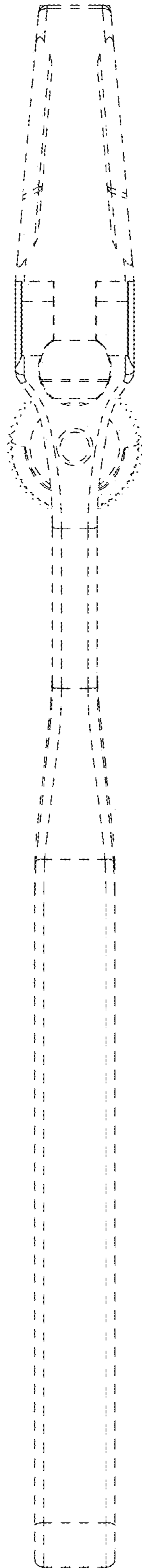


FIG. 4

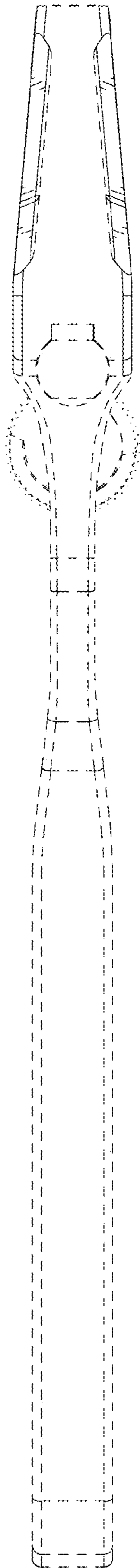


FIG. 5

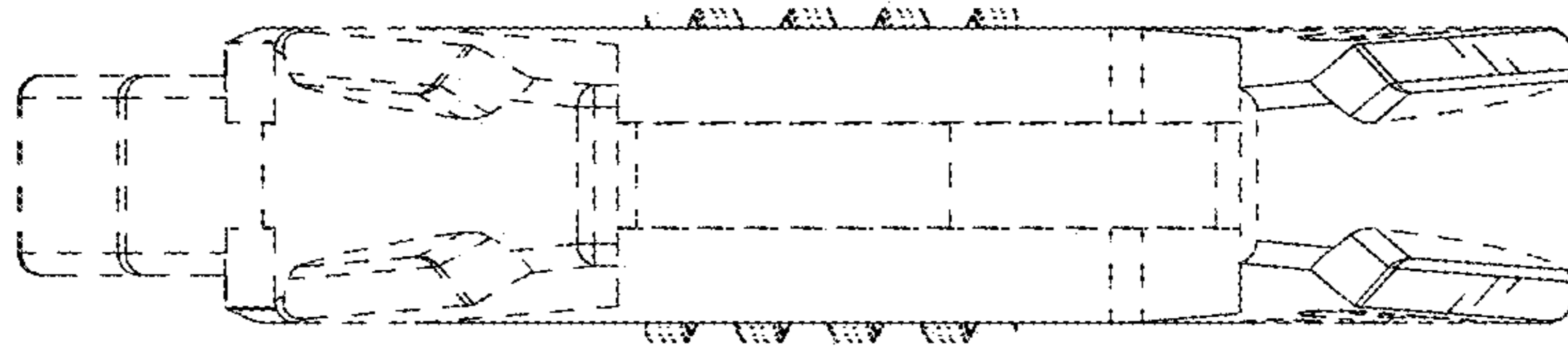


FIG. 6

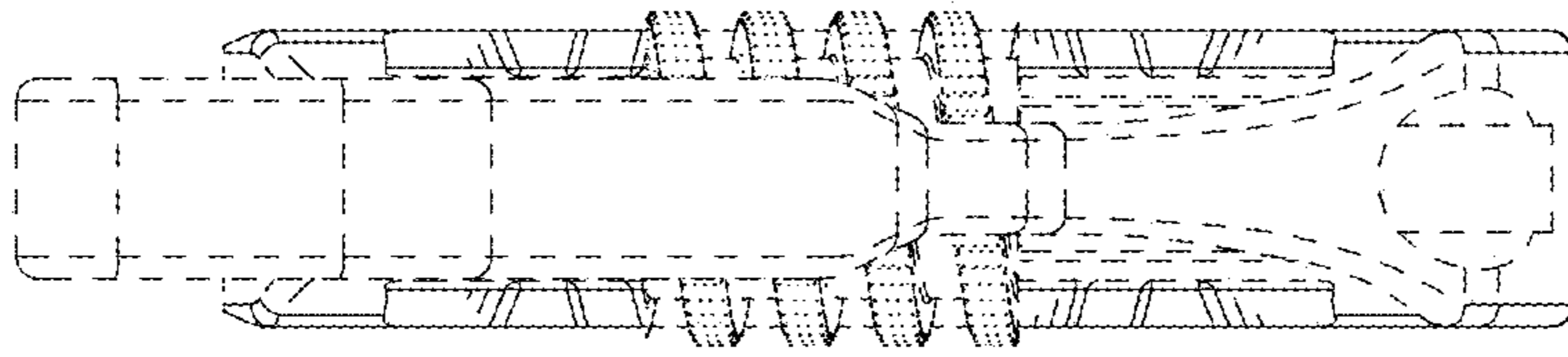


FIG. 7