



US00D876192S

(12) **United States Design Patent** (10) **Patent No.:** **US D876,192 S**
Su (45) **Date of Patent:** **** Feb. 25, 2020**

- (54) **PLIER HANDLE**
- (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.: **29/650,487**
- (22) Filed: **Jun. 7, 2018**
- (51) **LOC (12) Cl.** **08-05**
- (52) **U.S. Cl.**
USPC **D8/52; D8/107**
- (58) **Field of Classification Search**
USPC D8/4, 5, 52, 54, 55, 56, 57, 58, 88, 89,
D8/107
CPC B25B 7/02; B25B 7/04; B25B 7/06; B25B
7/08; B25B 7/10; B25B 7/12; B25B
7/123; B25B 7/14; B25B 7/22; B23D
29/023; B23D 29/026
See application file for complete search history.

- (56) **References Cited**
U.S. PATENT DOCUMENTS
- | | | | | | | |
|----------|---|---|---------|----------------|-------|--------|
| D178,041 | S | * | 6/1956 | Crump | ..... | D8/52 |
| D231,073 | S | * | 4/1974 | Woslum | ..... | D8/55 |
| D310,951 | S | * | 10/1990 | Monnet | ..... | D8/52 |
| D420,555 | S | * | 2/2000 | Chang | ..... | D8/5 |
| D433,888 | S | * | 11/2000 | Choi | ..... | D8/5 |
| D467,476 | S | * | 12/2002 | Lai | ..... | D8/5 |
| D476,208 | S | * | 6/2003 | Lee | ..... | D8/52 |
| D481,291 | S | * | 10/2003 | Hernandez, Jr. | ..... | D8/107 |
| D497,784 | S | * | 11/2004 | Picaza | ..... | D8/5 |
| D506,906 | S | * | 7/2005 | Wu | ..... | D8/5 |
| D532,662 | S | * | 11/2006 | Chang | ..... | D8/52 |

- | | | | | | | |
|--------------|----|---|---------|-----------------|-------|-----------------------|
| D532,672 | S | * | 11/2006 | Steiner | ..... | D8/107 |
| D537,307 | S | * | 2/2007 | Wang | ..... | D8/52 |
| 7,258,047 | B1 | * | 8/2007 | Wolter | | A61C 3/10
433/4 |
| D588,890 | S | * | 3/2009 | Picaza Ibarondo | ..... | D8/52 |
| D678,031 | S | * | 3/2013 | Wang | ..... | D8/107 |
| D762,433 | S | * | 8/2016 | Yang | ..... | D28/60 |
| D835,485 | S | * | 12/2018 | Bridges | ..... | D8/52 |
| D835,965 | S | * | 12/2018 | Su | ..... | D8/89 |
| D850,228 | S | * | 6/2019 | Moyer | ..... | D8/52 |
| 2005/0028381 | A1 | * | 2/2005 | Foshag | | B23D 29/026
30/233 |
| 2011/0023309 | A1 | * | 2/2011 | Huang | | A01G 3/02
30/234 |
| 2012/0111156 | A1 | * | 5/2012 | DeBaker | | B21K 5/00
81/405 |
| 2013/0239417 | A1 | * | 9/2013 | Disantis | | B26B 13/00
30/254 |

(Continued)

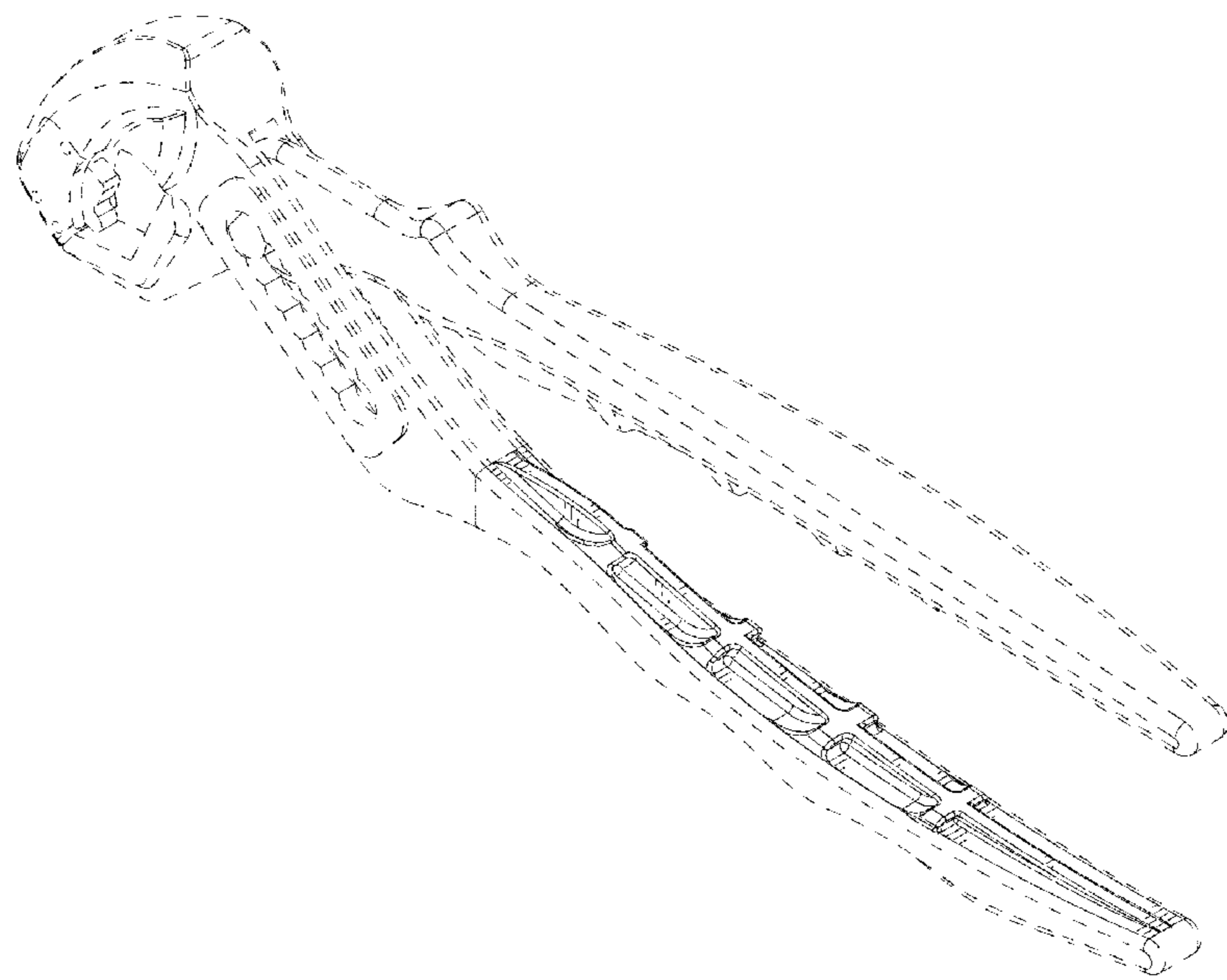
Primary Examiner — Sandra S Snapp
Assistant Examiner — Ieisha N Price
 (74) *Attorney, Agent, or Firm* — Alan D. Kamrath; Mayer & Williams PC

(57) **CLAIM**
 The ornamental design for a plier handle, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a plier handle 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 rendered in FIGS. 1-7 illustrate the environment of the claimed design and forms no part thereof.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2013/0255450 A1* 10/2013 Picaza Ibarondo B25B 7/10
81/411
2014/0130641 A1* 5/2014 Chang B25B 7/02
81/319
2015/0165597 A1* 6/2015 Chern B25B 7/04
81/385
2016/0089195 A1* 3/2016 Cordaro A61B 17/8863
606/279
2019/0224817 A1* 7/2019 Wu B25B 7/10
2019/0270185 A1* 9/2019 Chen B25B 7/10

* cited by examiner

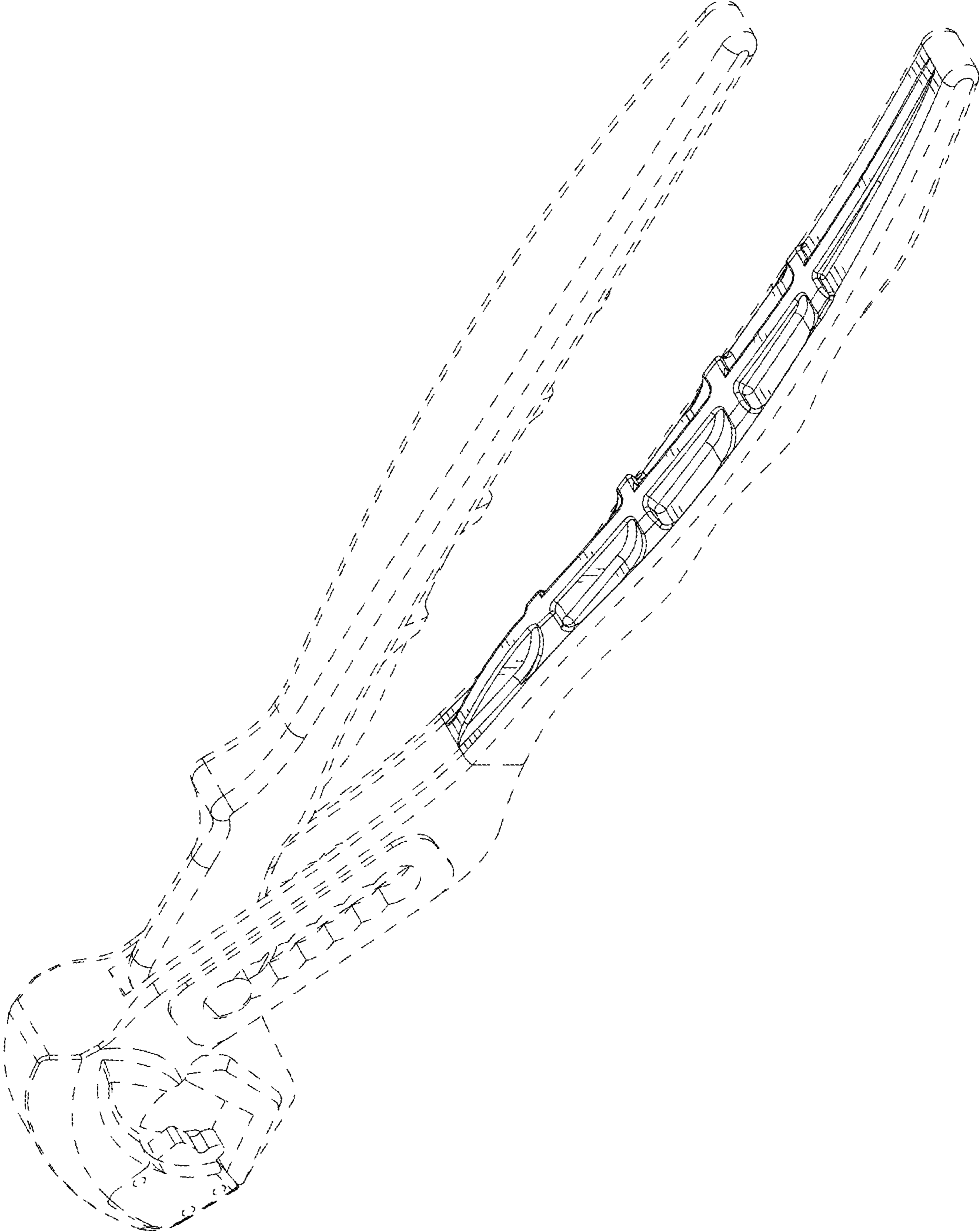


FIG. 1

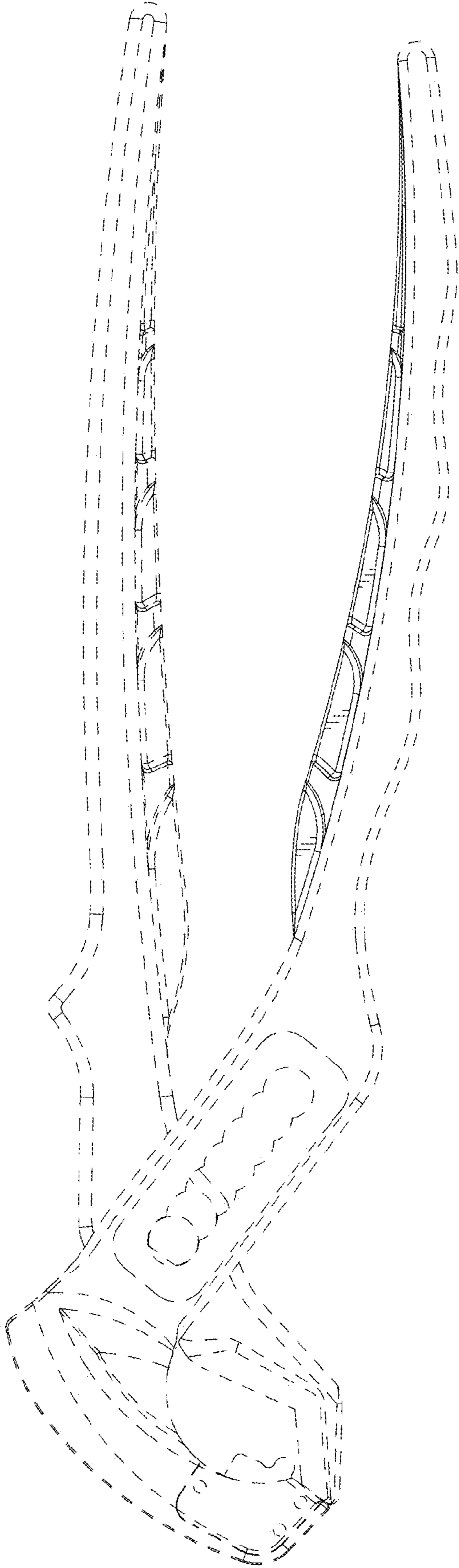


FIG. 2

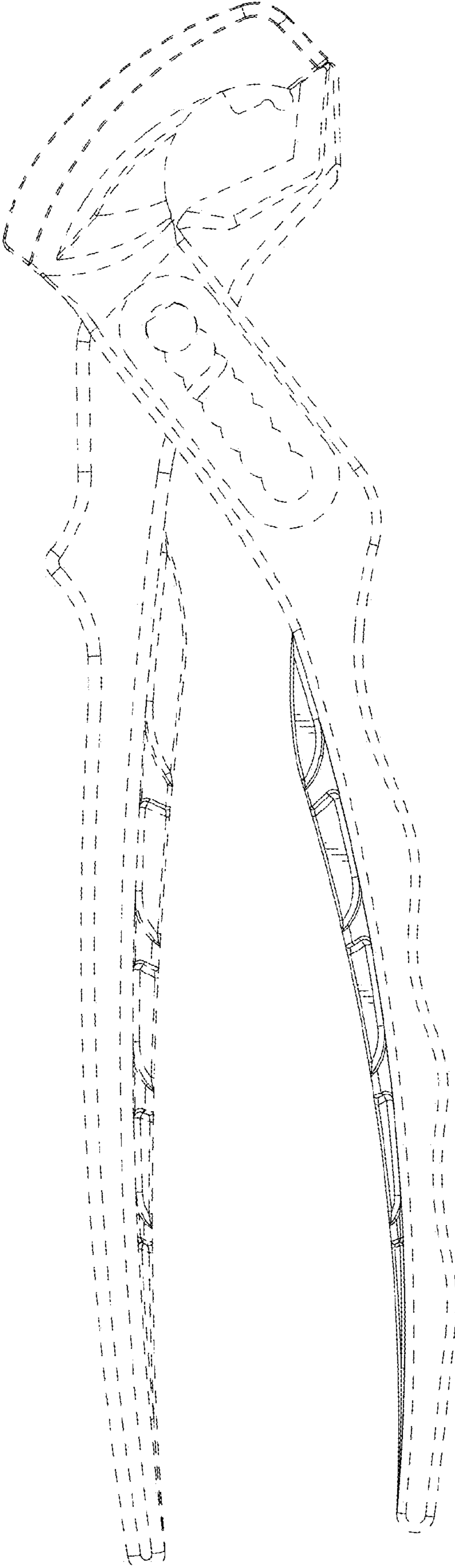


FIG. 3

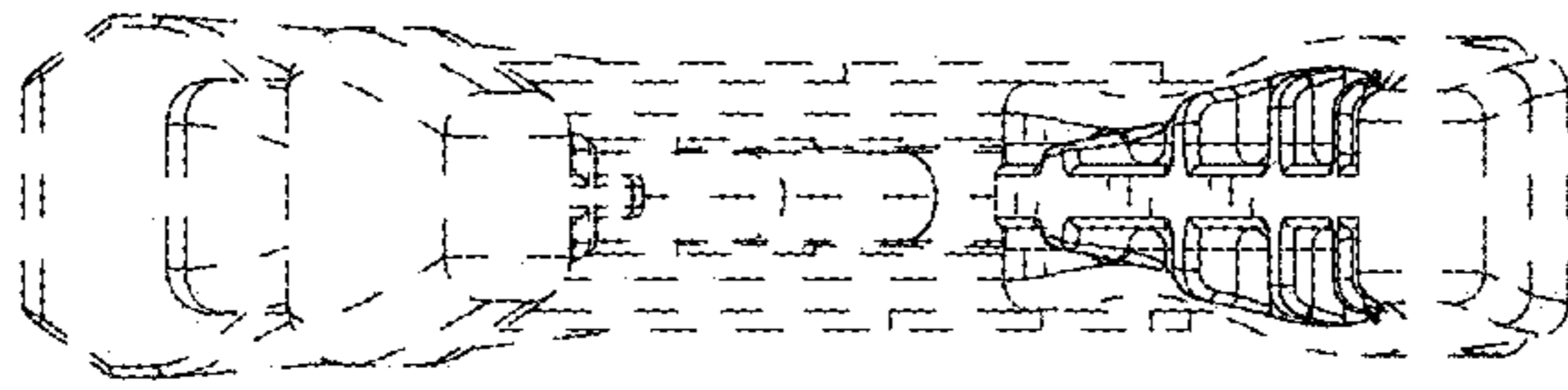


FIG. 5

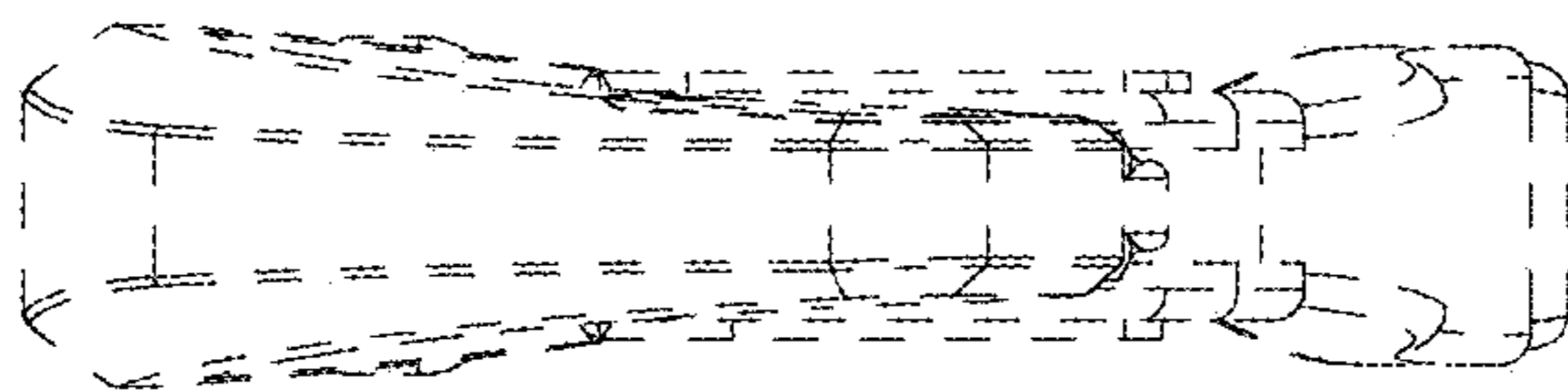


FIG. 4

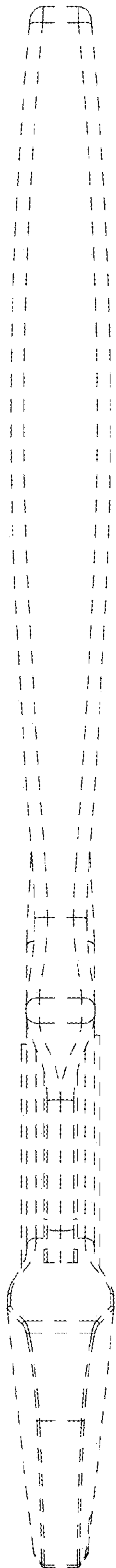


FIG. 6

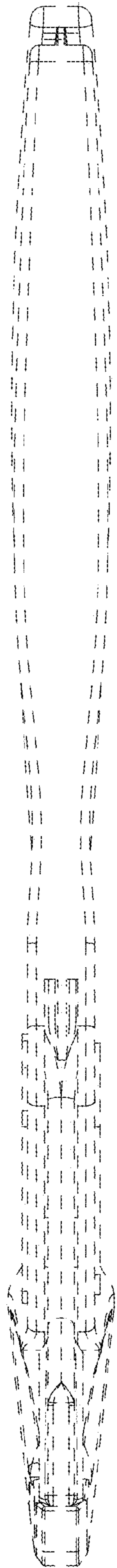


FIG. 7