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

(10) **Patent No.:** **US D810,534 S**
(45) **Date of Patent:** **** Feb. 20, 2018**

- (54) **PLIER**
- (71) Applicant: **Chao-Chih Liu**, Taichung (TW)
- (72) Inventor: **Chao-Chih Liu**, Taichung (TW)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/597,435**
- (22) Filed: **Mar. 17, 2017**
- (51) **LOC (11) Cl.** **08-05**
- (52) **U.S. Cl.**
USPC **D8/52**
- (58) **Field of Classification Search**
USPC D8/4, 5, 14, 51-58
CPC B25B 7/00; B25B 7/02; B25B 7/22; B26B
13/12; B26B 13/14
See application file for complete search history.

- 4,934,222 A * 6/1990 Rittmann B25B 7/00
81/415
- D373,294 S * 9/1996 Eggert D8/107
- D762,433 S * 8/2016 Yang D28/60
- D771,459 S * 11/2016 Liu D8/52
- D777,543 S * 1/2017 Chen D8/52

* cited by examiner

Primary Examiner — Deanna L Pratt

(57) **CLAIM**

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

DESCRIPTION

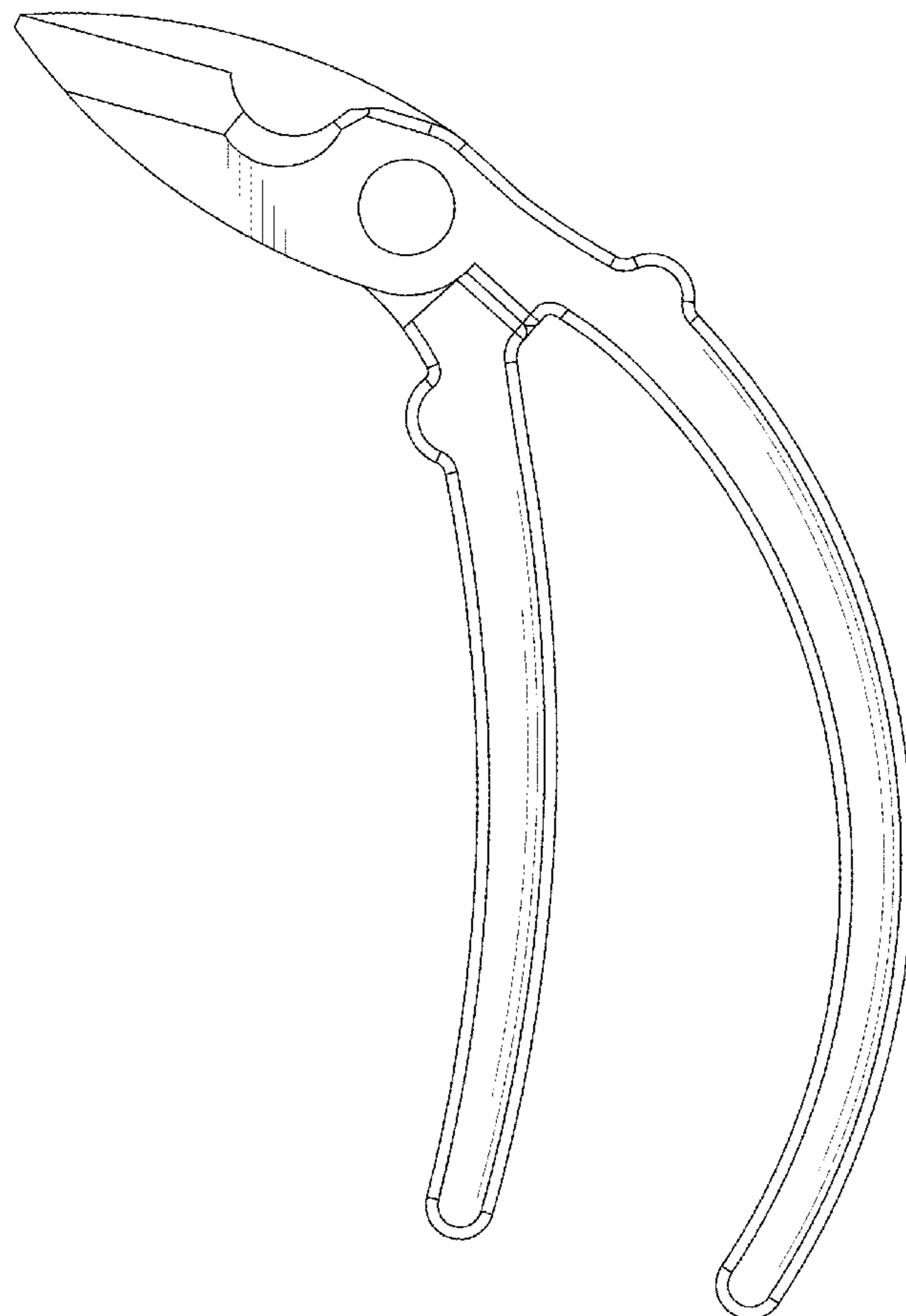
FIG. 1 is a front-right-top perspective view of the plier showing my new design;
 FIG. 2 is a front elevational view thereof;
 FIG. 3 is a rear front elevational view thereof;
 FIG. 4 is a left side elevational view thereof;
 FIG. 5 is a right side elevational view thereof;
 FIG. 6 is a top plan view thereof;
 FIG. 7 is a bottom plan view thereof; and,
 FIG. 8 is another perspective view thereof.

1 Claim, 7 Drawing Sheets

(56) **References Cited**

U.S. PATENT DOCUMENTS

- D142,867 S * 11/1945 Johnson, Jr. D8/52
- 4,753,011 A * 6/1988 Long B26B 13/00
30/257



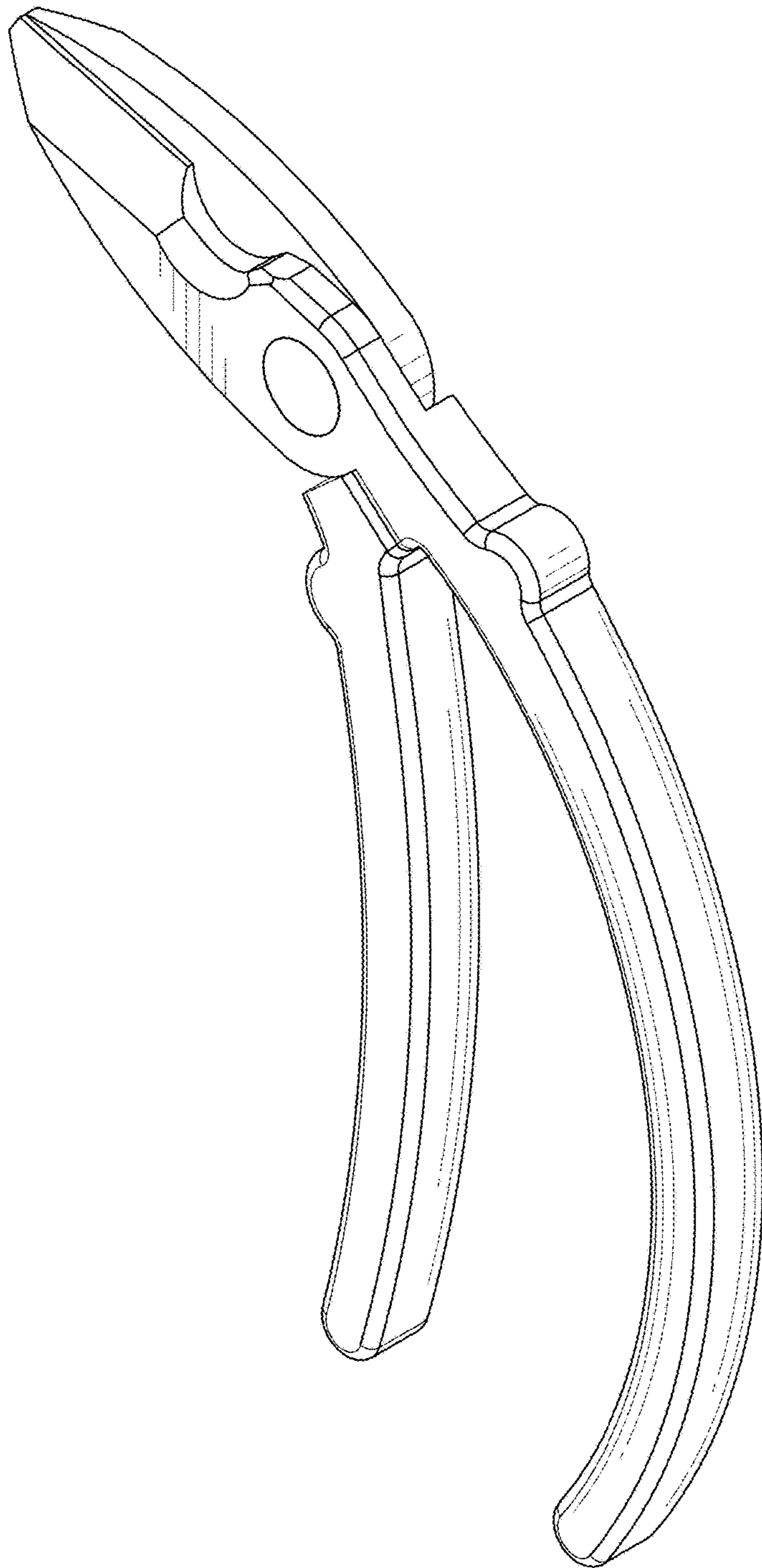


FIG.1

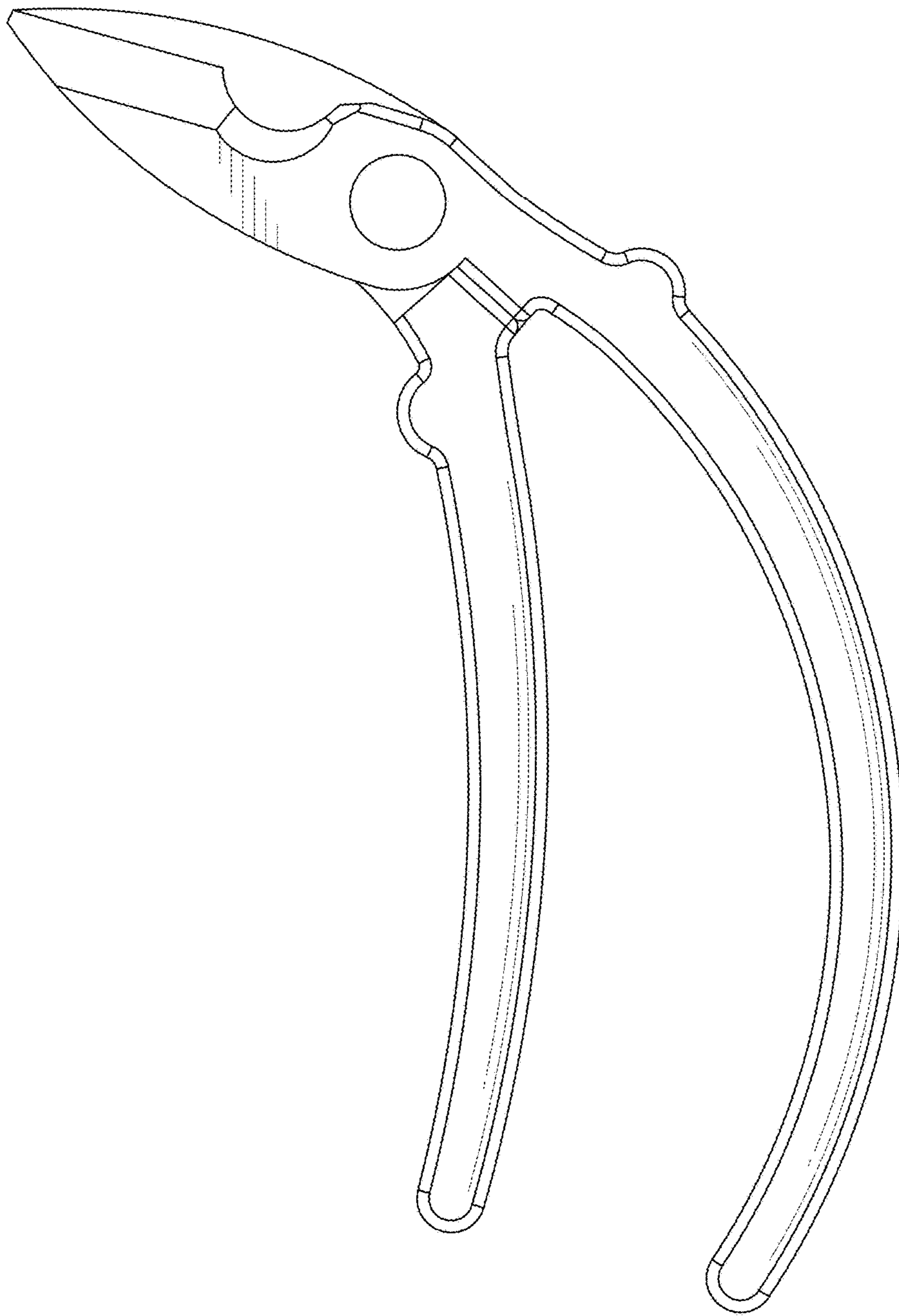


FIG.2

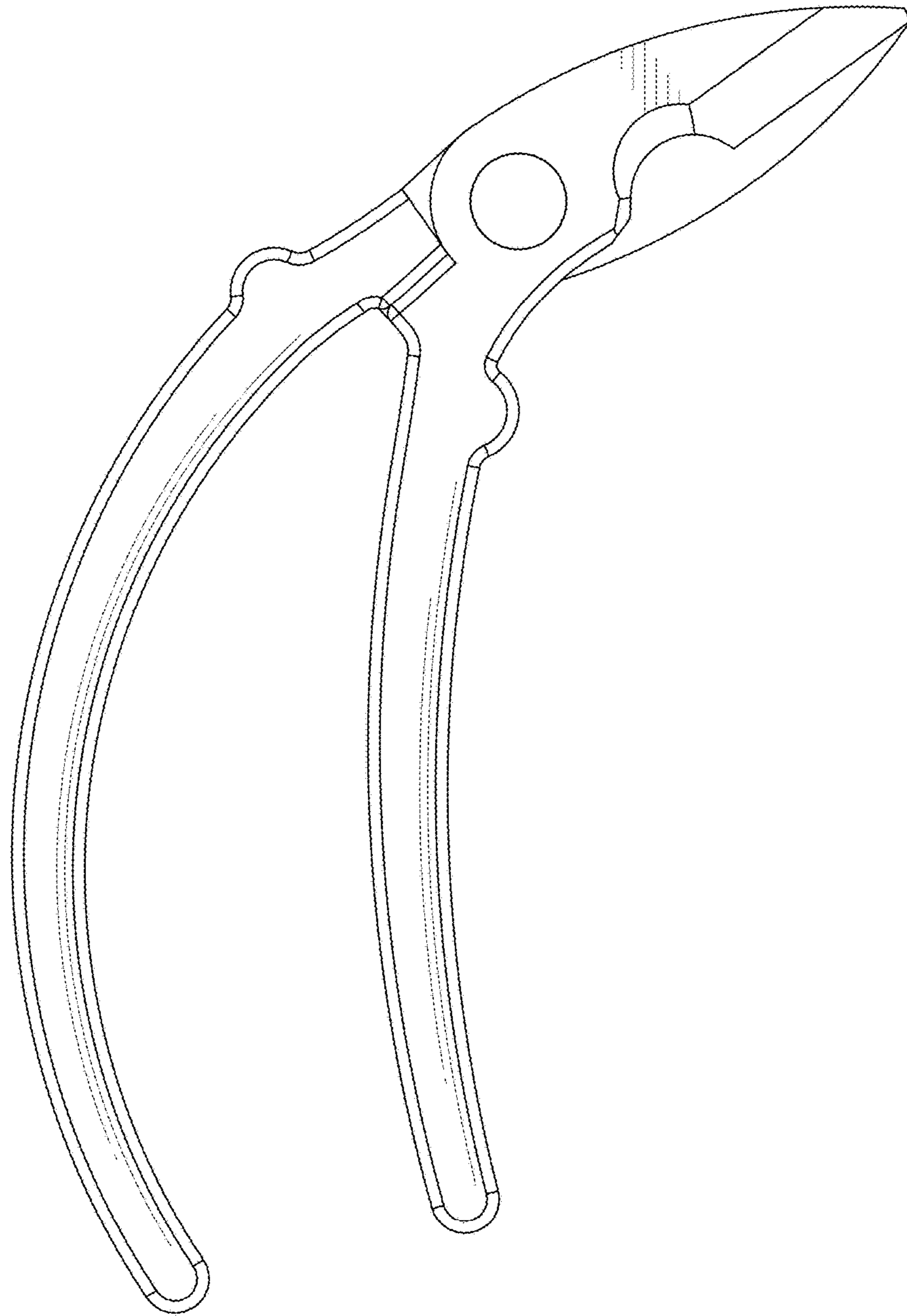


FIG.3

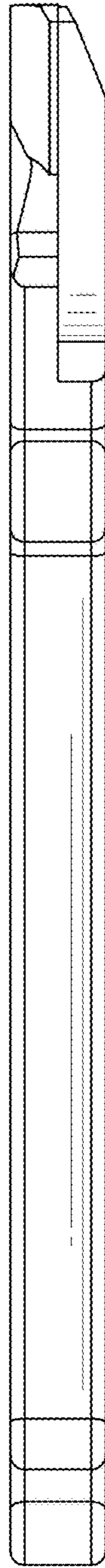


FIG.4

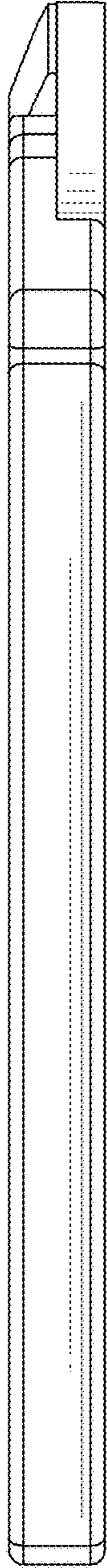


FIG.5

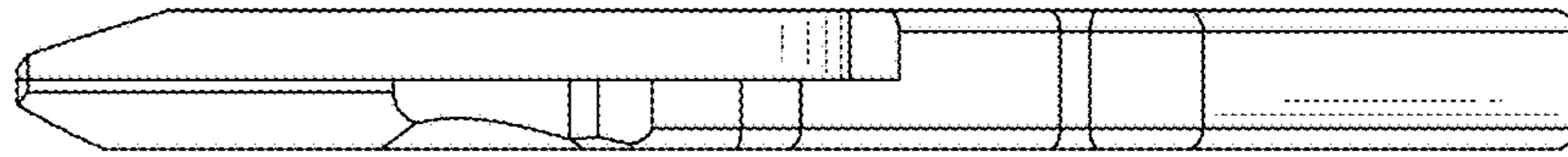


FIG.6

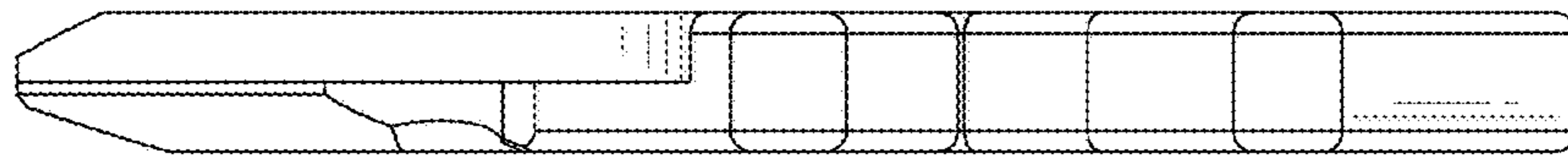


FIG.7

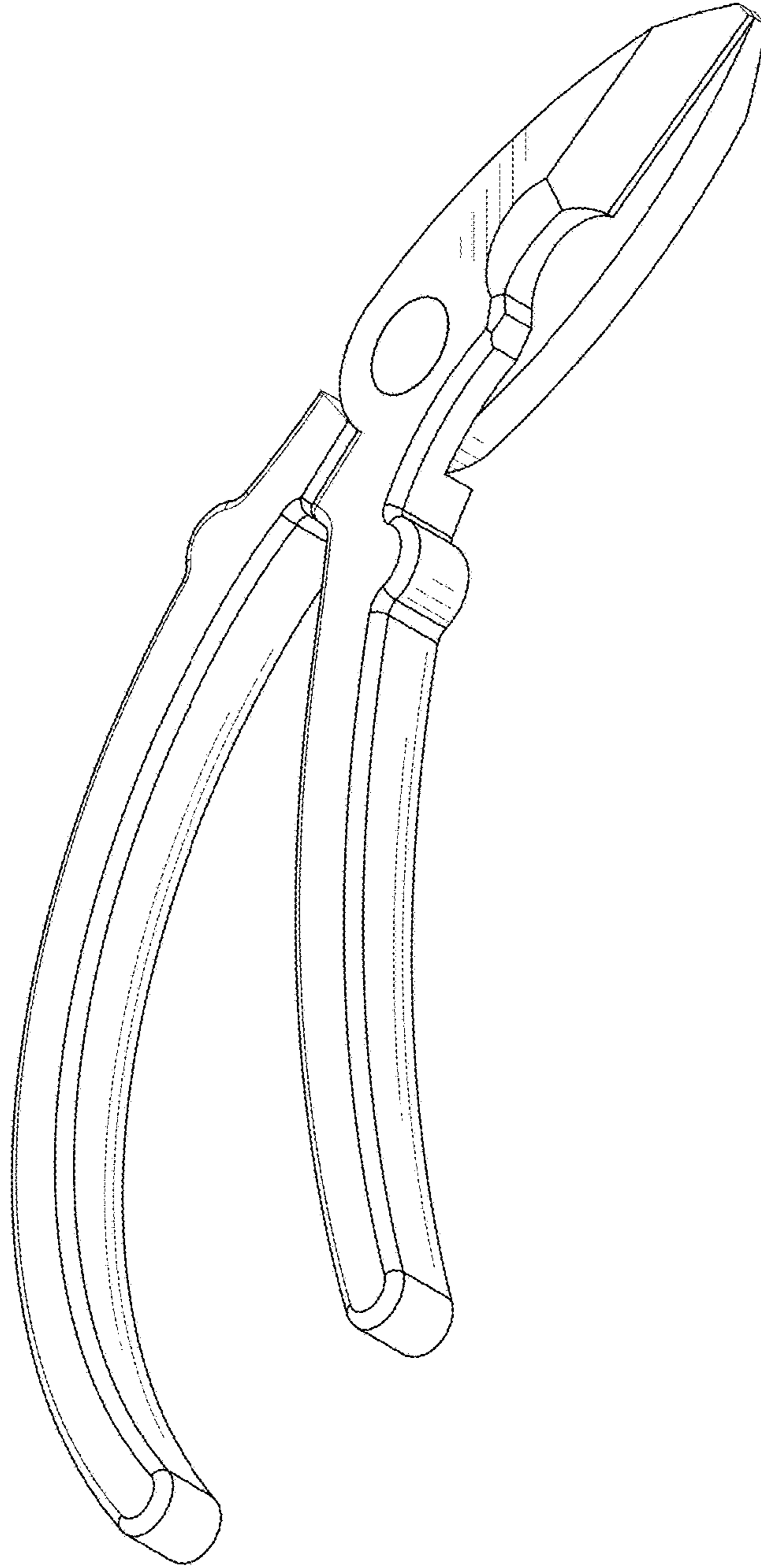


FIG.8