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

(10) **Patent No.:** **US D690,173 S**

(45) **Date of Patent:** **\*\* Sep. 24, 2013**

(54) **WRENCH**

(75) Inventor: **Jian Ren Wang**, Taichung (TW)

(73) Assignee: **Apex Tool (HK) Limited, Taiwan Branch**, Taichung (TW)

(\*\*) Term: **14 Years**

(21) Appl. No.: **29/432,267**

(22) Filed: **Sep. 14, 2012**

**Related U.S. Application Data**

(62) Division of application No. 29/406,319, filed on Nov. 11, 2011, now Pat. No. Des. 673,434.

(51) **LOC (9) Cl.** ..... **08-05**

(52) **U.S. Cl.**  
USPC ..... **D8/23**

(58) **Field of Classification Search**  
USPC ..... D8/21-29; 81/60, 177.1, 177.85,  
81/121.1, 124.3, 165-170, 110.1, 176.2,  
81/124.6, 176.1, 176.15, 177.2, 186, 125,  
81/119, 180.1, 185.02; 16/110.1; D15/144.1;  
219/75, 227, 229, 121.16, 121.18  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D141,545 S *	6/1945	Fleming	.....	D8/23
3,892,150 A *	7/1975	Horton	.....	81/179
D271,274 S *	11/1983	Tasato	.....	D8/23
5,131,312 A *	7/1992	Macor	.....	81/119
D445,321 S *	7/2001	Lin et al.	.....	D8/23
6,530,297 B2 *	3/2003	McCann	.....	81/99
6,877,404 B2 *	4/2005	Chen	.....	81/177.7
D507,464 S *	7/2005	Hu	.....	D8/25
D514,404 S *	2/2006	Huang	.....	D8/23
D523,304 S *	6/2006	Hsieh	.....	D8/28

7,066,059 B1 *	6/2006	Hsieh	.....	81/177.7
D525,495 S *	7/2006	Hsieh	.....	D8/28
D662,799 S *	7/2012	Hsieh	.....	D8/28

\* cited by examiner

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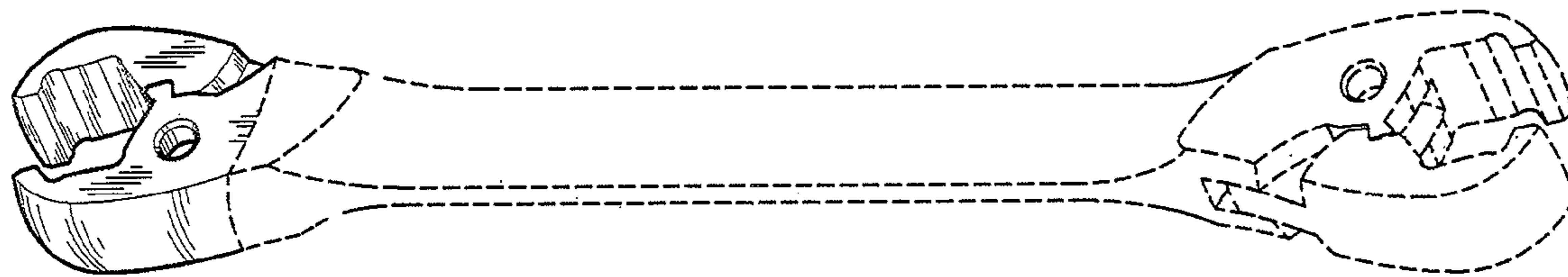
(57) **CLAIM**

I claim the ornamental design for a wrench, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a wrench showing my new design;  
FIG. 2 is another perspective view thereof;  
FIG. 3 is a front view thereof;  
FIG. 4 is a back view thereof;  
FIG. 5 is a left view thereof;  
FIG. 6 is a right view thereof;  
FIG. 7 is a top view thereof;  
FIG. 8 is a bottom view thereof  
FIG. 9 is a perspective view of a wrench showing a second embodiment of my new design;  
FIG. 10 is another perspective view thereof;  
FIG. 11 is a front view thereof;  
FIG. 12 is a back view thereof;  
FIG. 13 is a left view thereof;  
FIG. 14 is a right view thereof;  
FIG. 15 is a top view thereof; and,  
FIG. 16 is a bottom view thereof.  
The broken lines form no part of the claimed design, and any shading is provided to illustrate contour only and is not an indication of texture, gloss, etc.

**1 Claim, 4 Drawing Sheets**



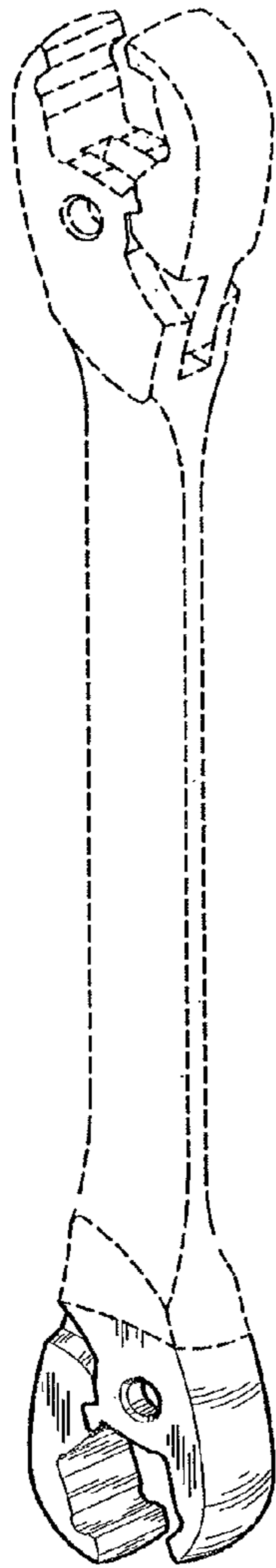


FIG. 1

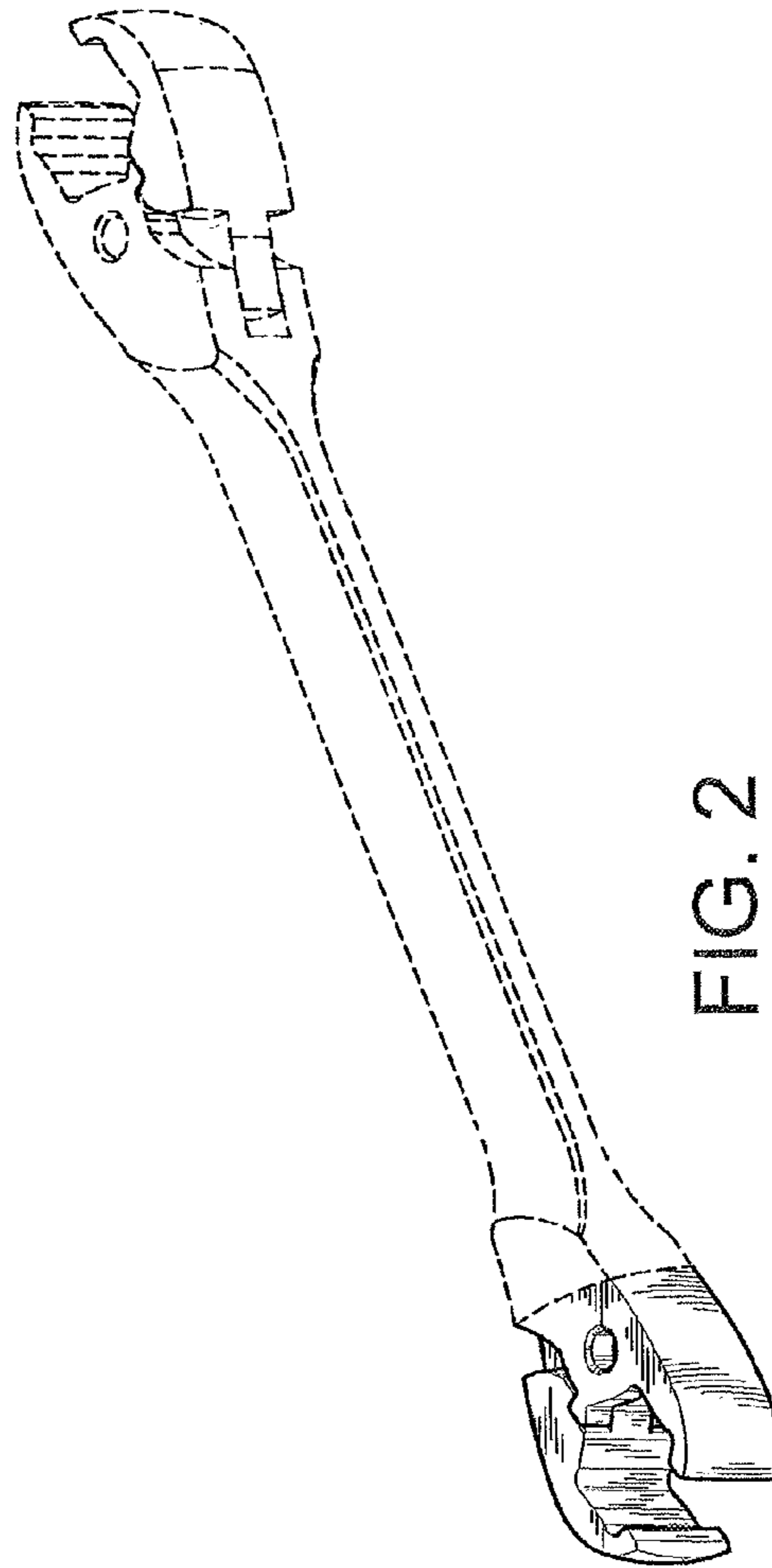


FIG. 2

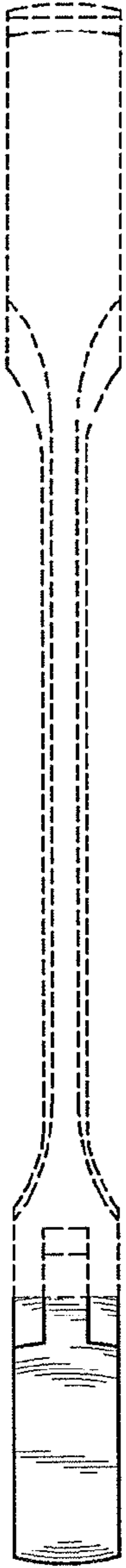


FIG. 7

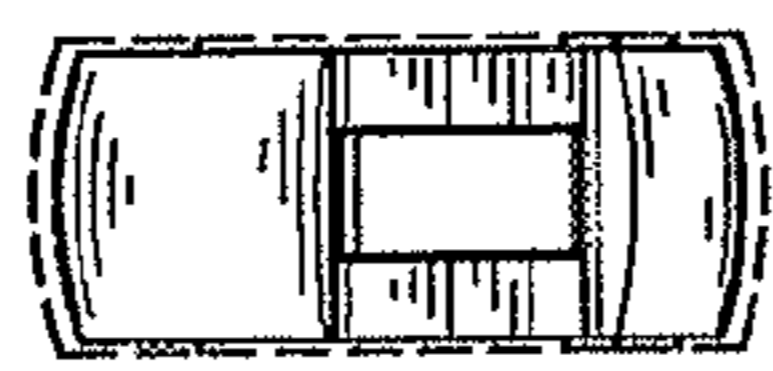


FIG. 5

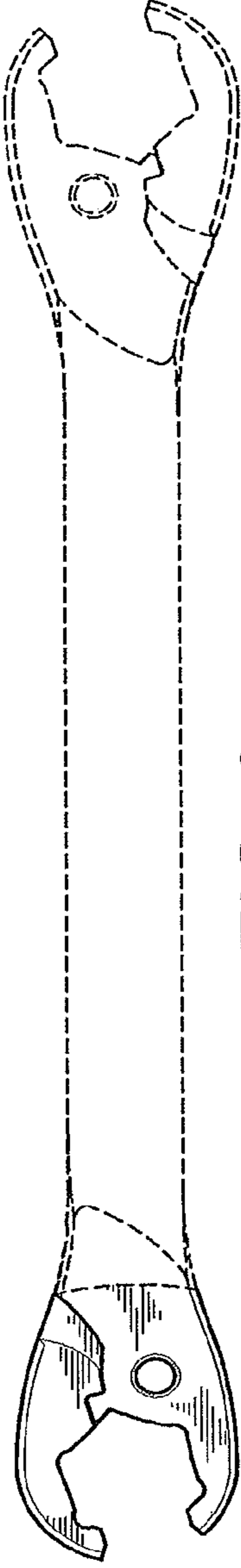


FIG. 3

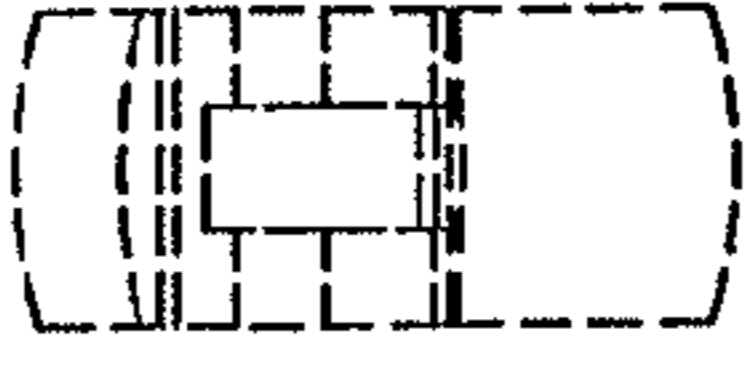


FIG. 6

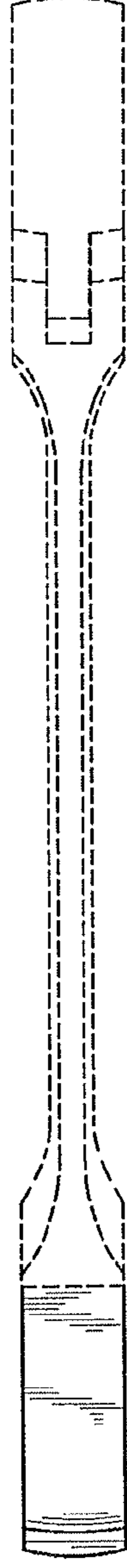


FIG. 8

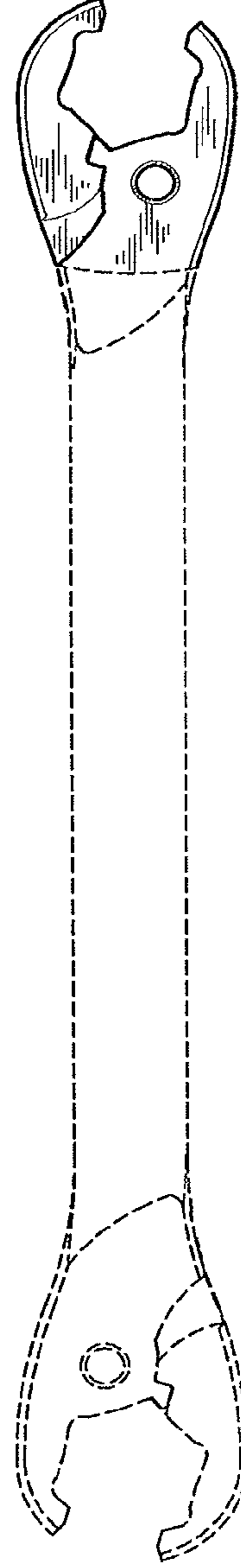


FIG. 4

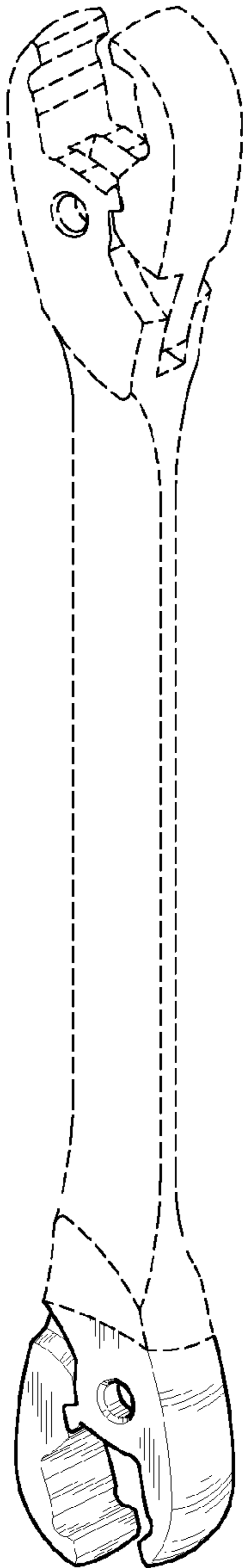


FIG. 9

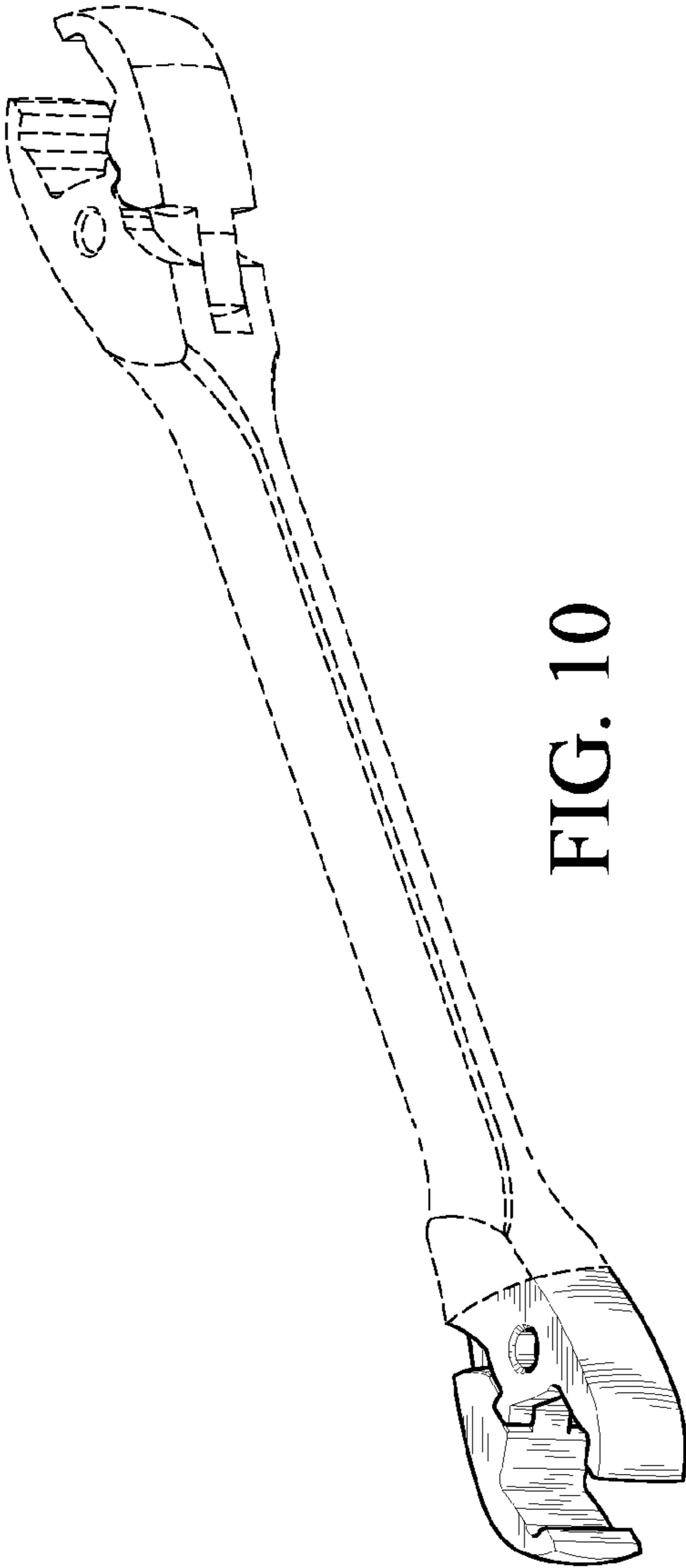


FIG. 10

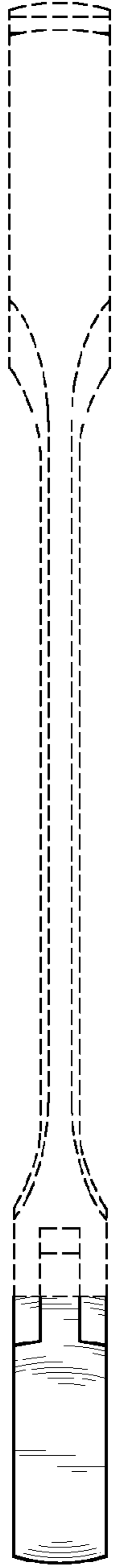


FIG. 15

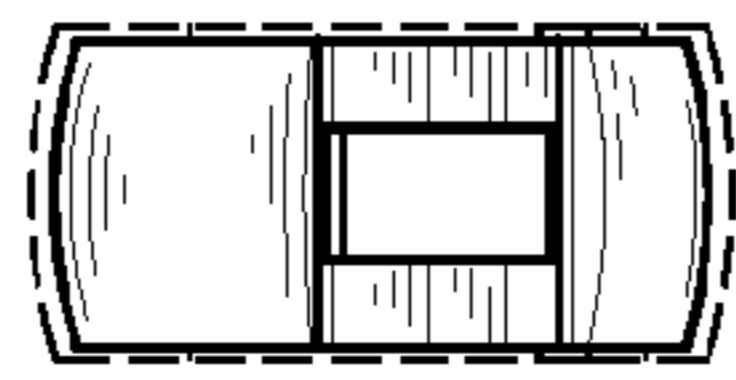


FIG. 13

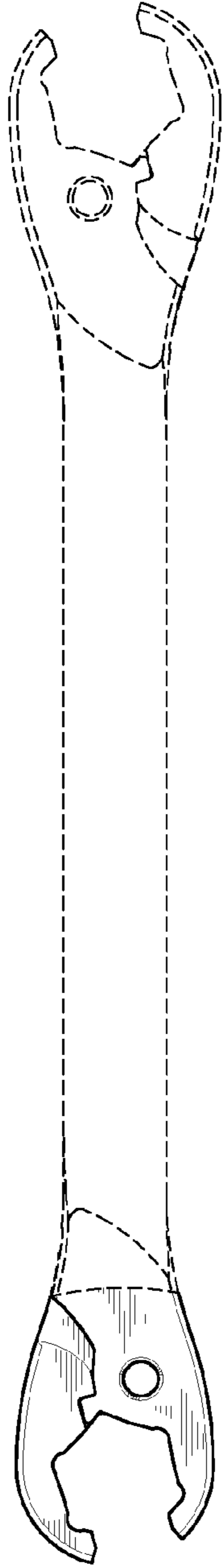


FIG. 11

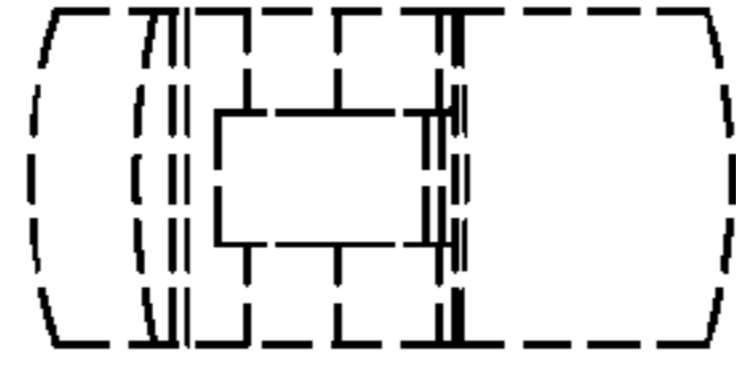


FIG. 14

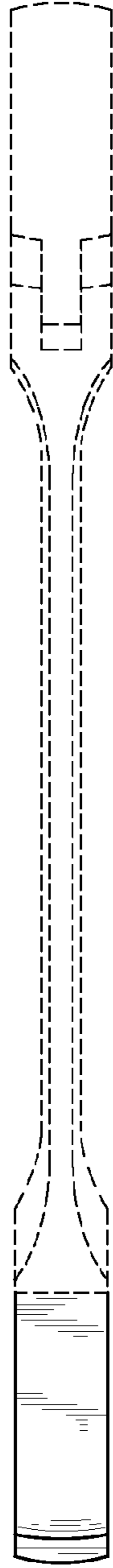


FIG. 16

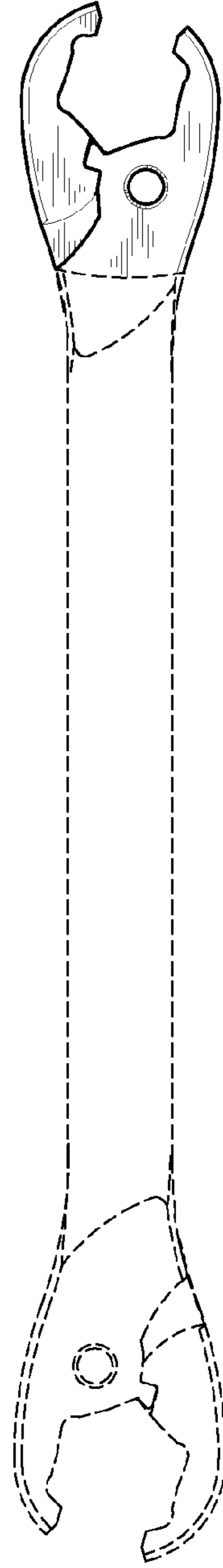


FIG. 12