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

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(54) **RATCHET WRENCH**

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

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(30) **Foreign Application Priority Data**

Dec. 16, 2005 (TW) 94307622

(51) **LOC (8) Cl.** **08-05**

(52) **U.S. Cl.** **D8/25**

(58) **Field of Classification Search** D8/17,
D8/21-29, 81-87, 102-107, 98-99, 55, 93,
D8/94; 81/60-63.2, 177.1, 177.85, 177.8,
81/489, 125.1, 121.1, 119-120, 176.1, 186,
81/177.9, 185.1, 176.2, 165, 170, 3.35, 58,
81/3.45, 155; 206/378; 16/429, 441, 124.6;
7/100, 138, 168, 157

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D429,979 S * 8/2000 Chiang D8/25
D439,480 S * 3/2001 Hsu D8/25

D482,588 S * 11/2003 Lai D8/107
D515,373 S * 2/2006 Chen D8/27
D526,865 S * 8/2006 Liao D8/25
7,159,491 B1 * 1/2007 Chaconas et al. 81/58.1
7,185,566 B2 * 3/2007 Arnold et al. 81/63.2
2002/0104410 A1 * 8/2002 Wang 81/177.1

* cited by examiner

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(57) **CLAIM**

The ornamental design for a ratchet wrench, as shown and described.

DESCRIPTION

FIG. 1 is a front-right-top perspective view of a ratchet wrench, showing my new design;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a rear elevational view thereof;

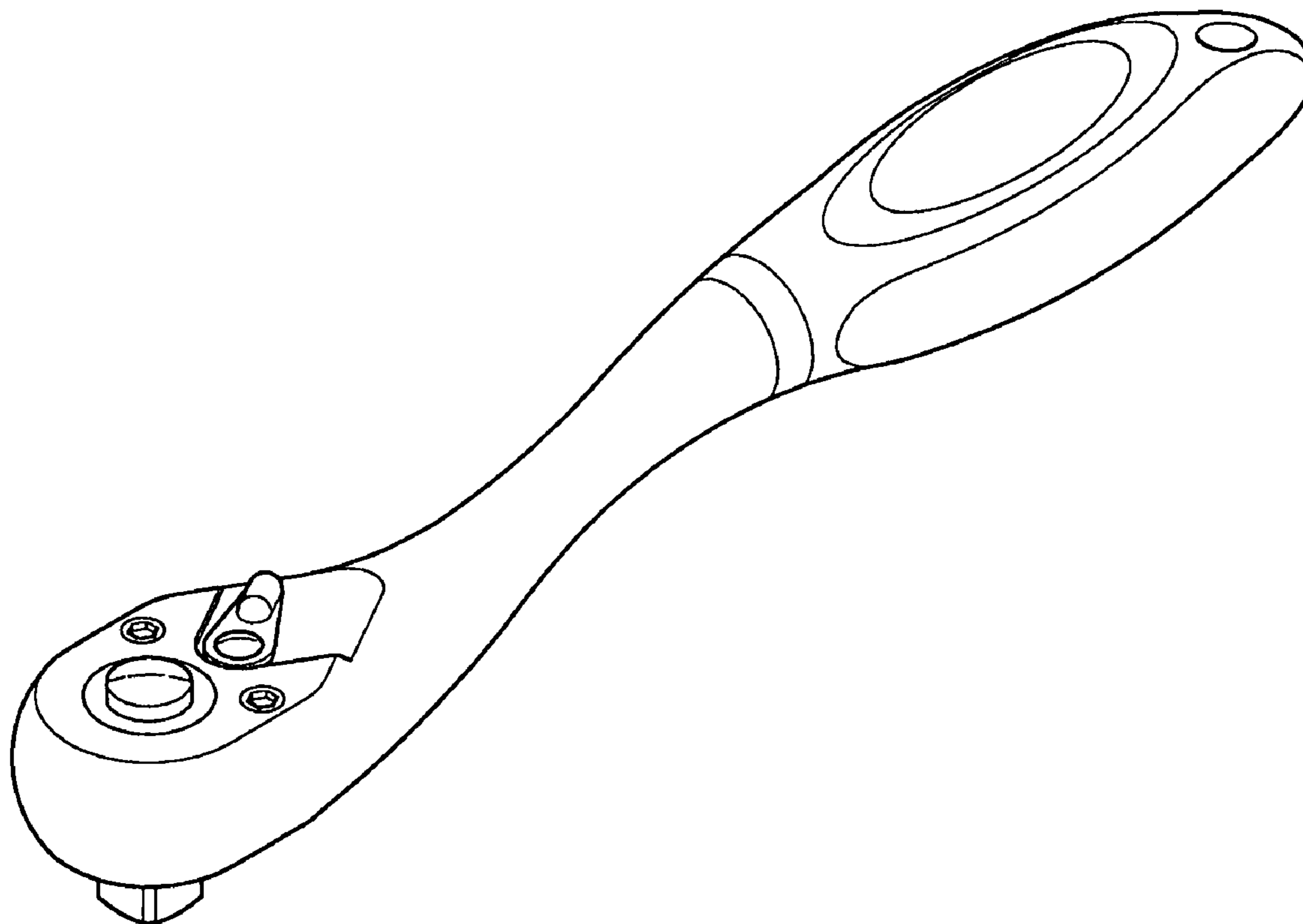
FIG. 4 is a top plan view thereof;

FIG. 5 is a bottom plan view thereof.

FIG. 6 is a left elevational view thereof; and,

FIG. 7 is a right elevational view thereof.

1 Claim, 2 Drawing Sheets



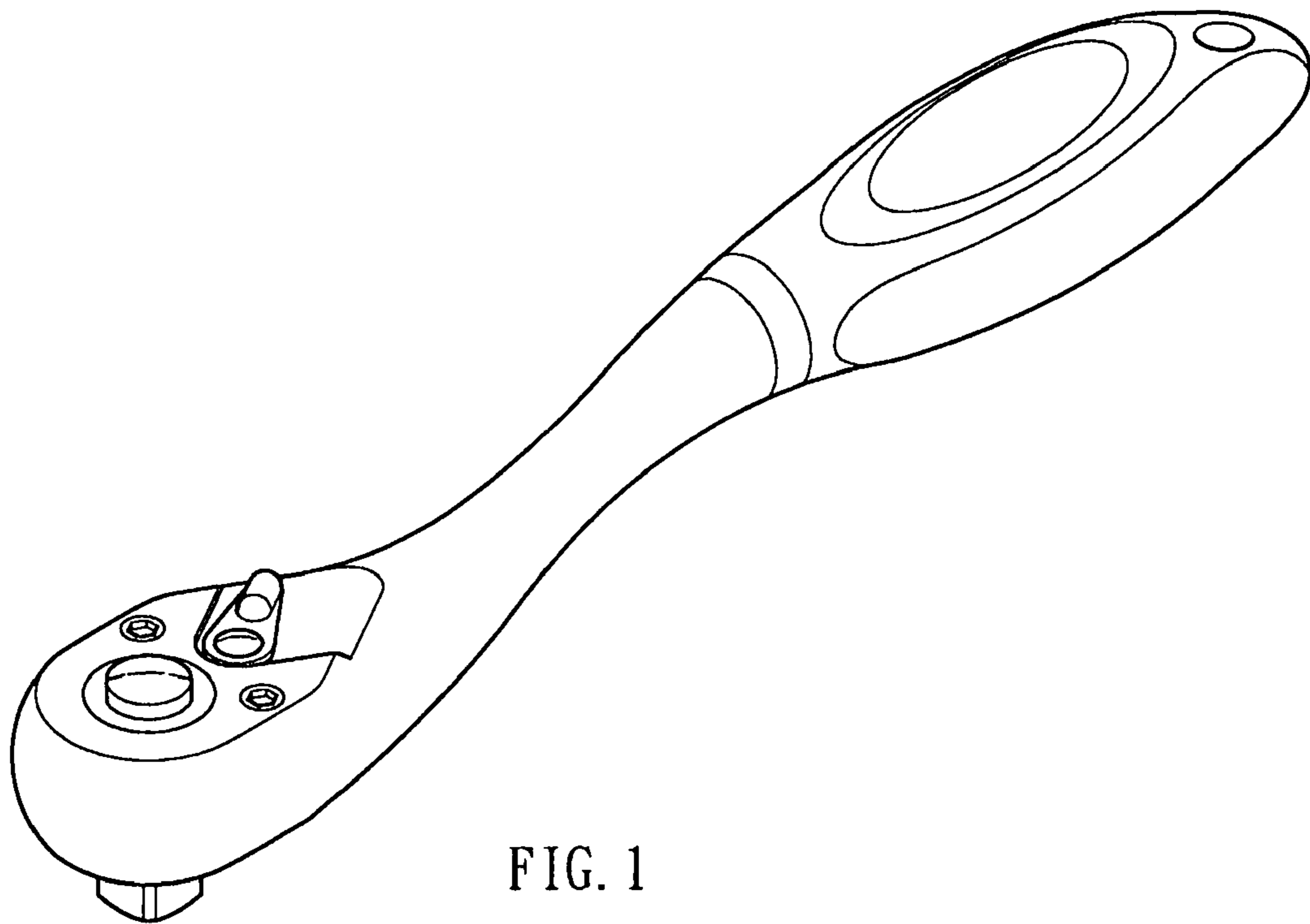


FIG. 1

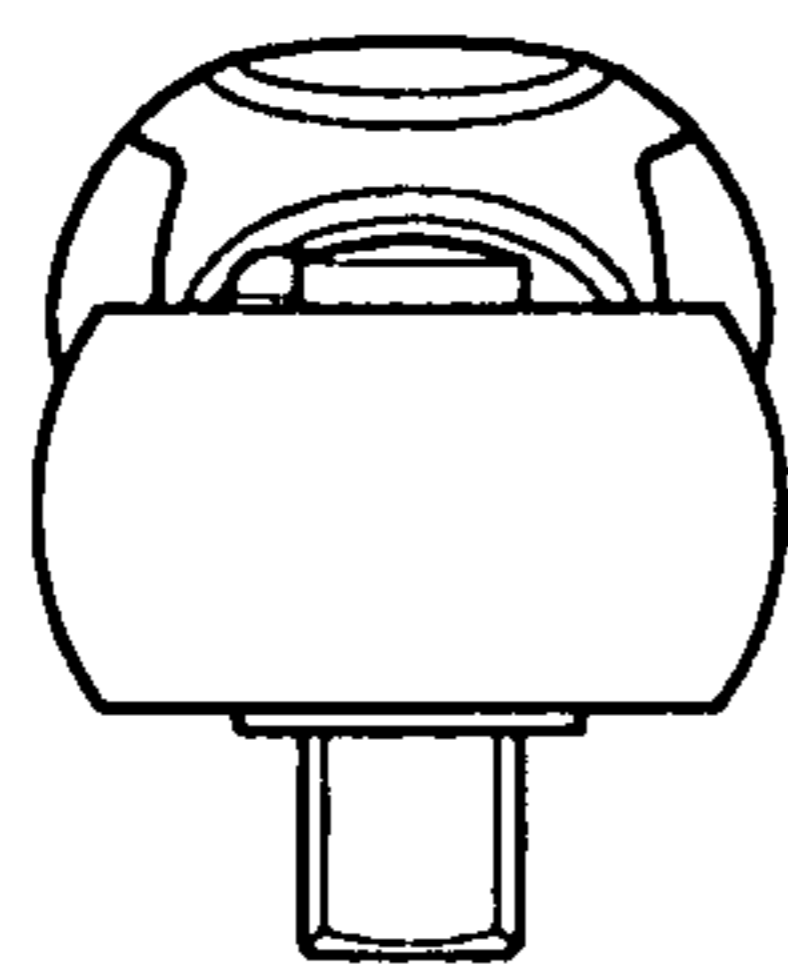


FIG. 6

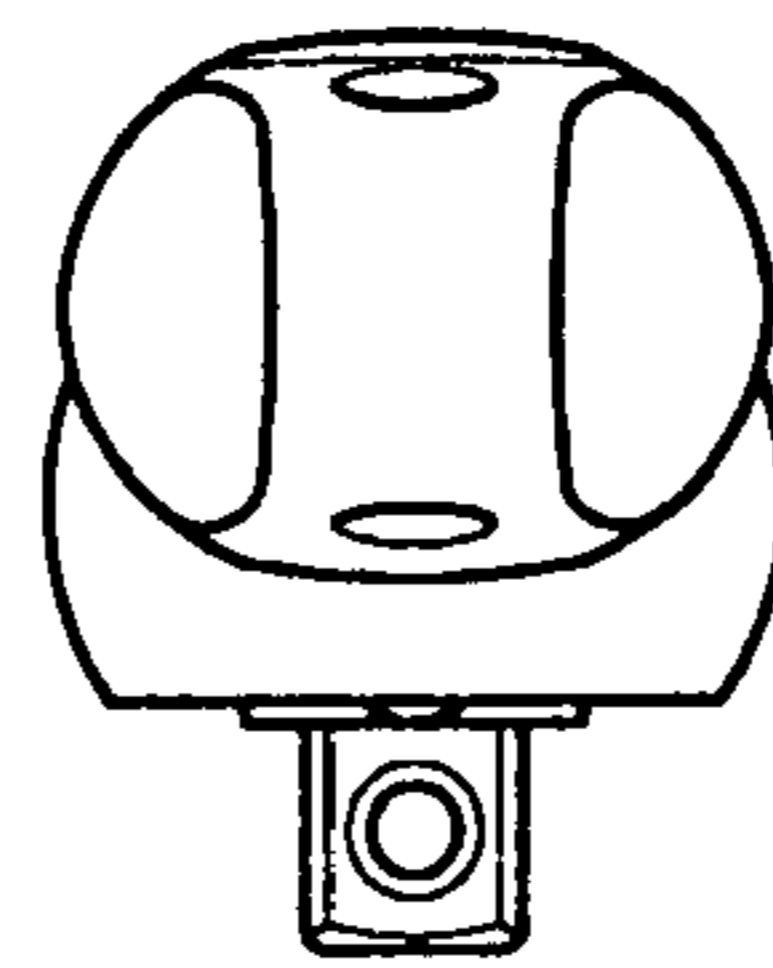


FIG. 7

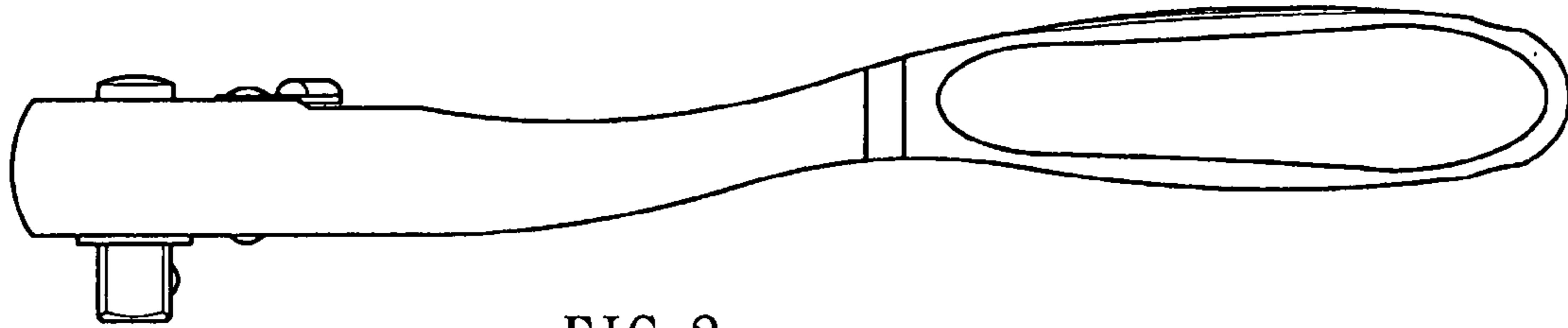


FIG. 2

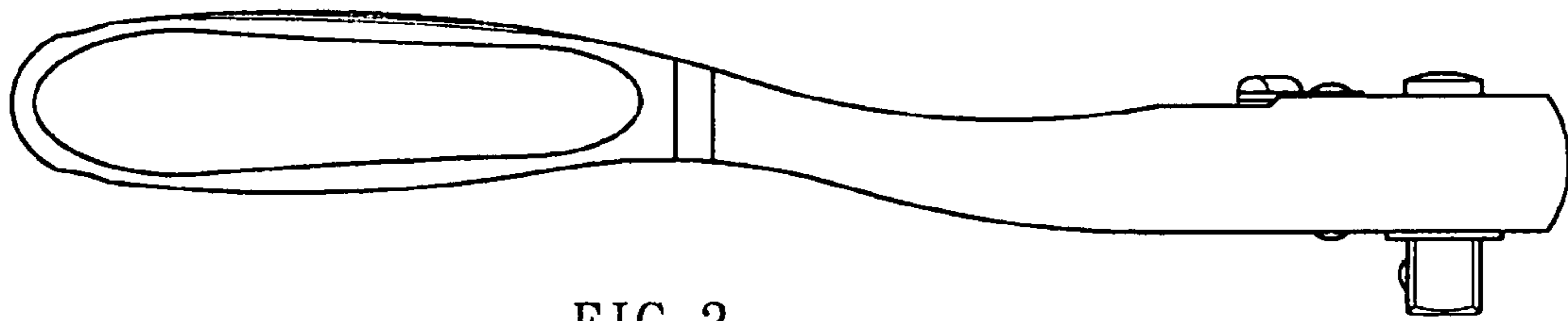


FIG. 3

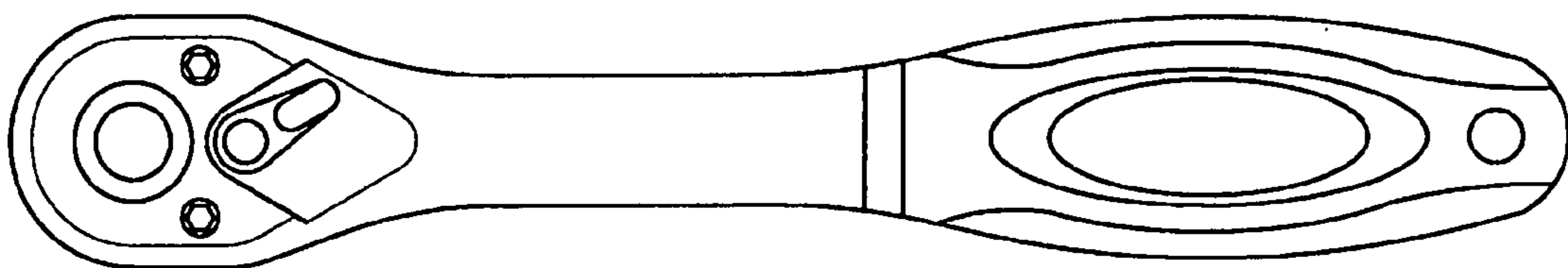


FIG. 4

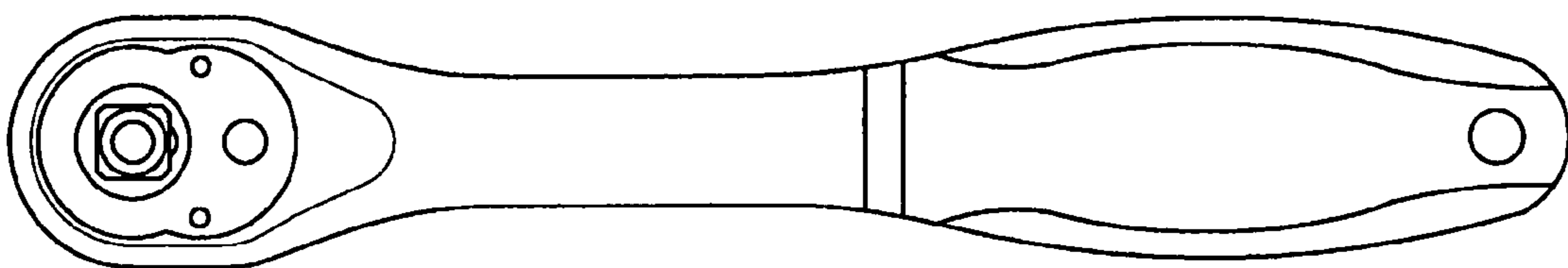


FIG. 5