



US00D439480S

(12) **United States Design Patent** (10) **Patent No.:** **US D439,480 S**
Hsu (45) **Date of Patent:** **** Mar. 27, 2001**

(54) **RATCHET WRENCH**

5,913,954 * 6/1999 Arnold et al. 81/62

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* cited by examiner

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

(57) **CLAIM**

(21) Appl. No.: **29/129,480**

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

(22) Filed: **Sep. 14, 2000**

DESCRIPTION

(51) **LOC (7) Cl.** **08-05**

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

(58) **Field of Search** D8/21–29; 81/60–63.2,
81/177.1, 177.85

FIG. 1 is a perspective view of 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 left side elevational view thereof;

FIG. 5 is a right side elevational view thereof;

FIG. 6 is a top plan view thereof; and,

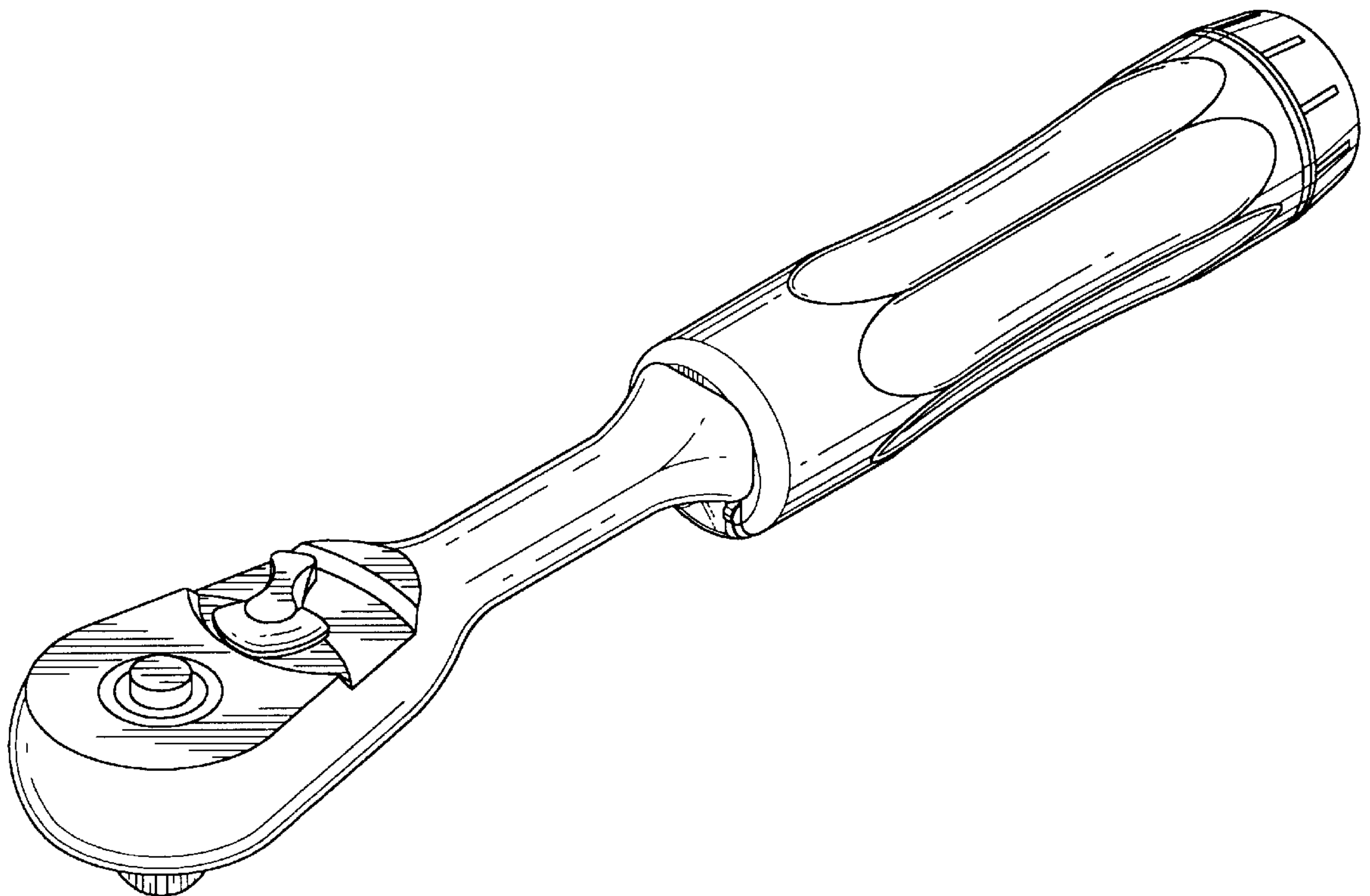
FIG. 7 is a bottom plan view thereof.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D. 402,867 * 12/1998 Macor D8/25
D. 423,891 * 5/2000 Melvin et al. D8/25
5,582,081 * 12/1996 Lin 81/63.1
5,910,197 * 6/1999 Chaconas 81/63.2

1 Claim, 4 Drawing Sheets



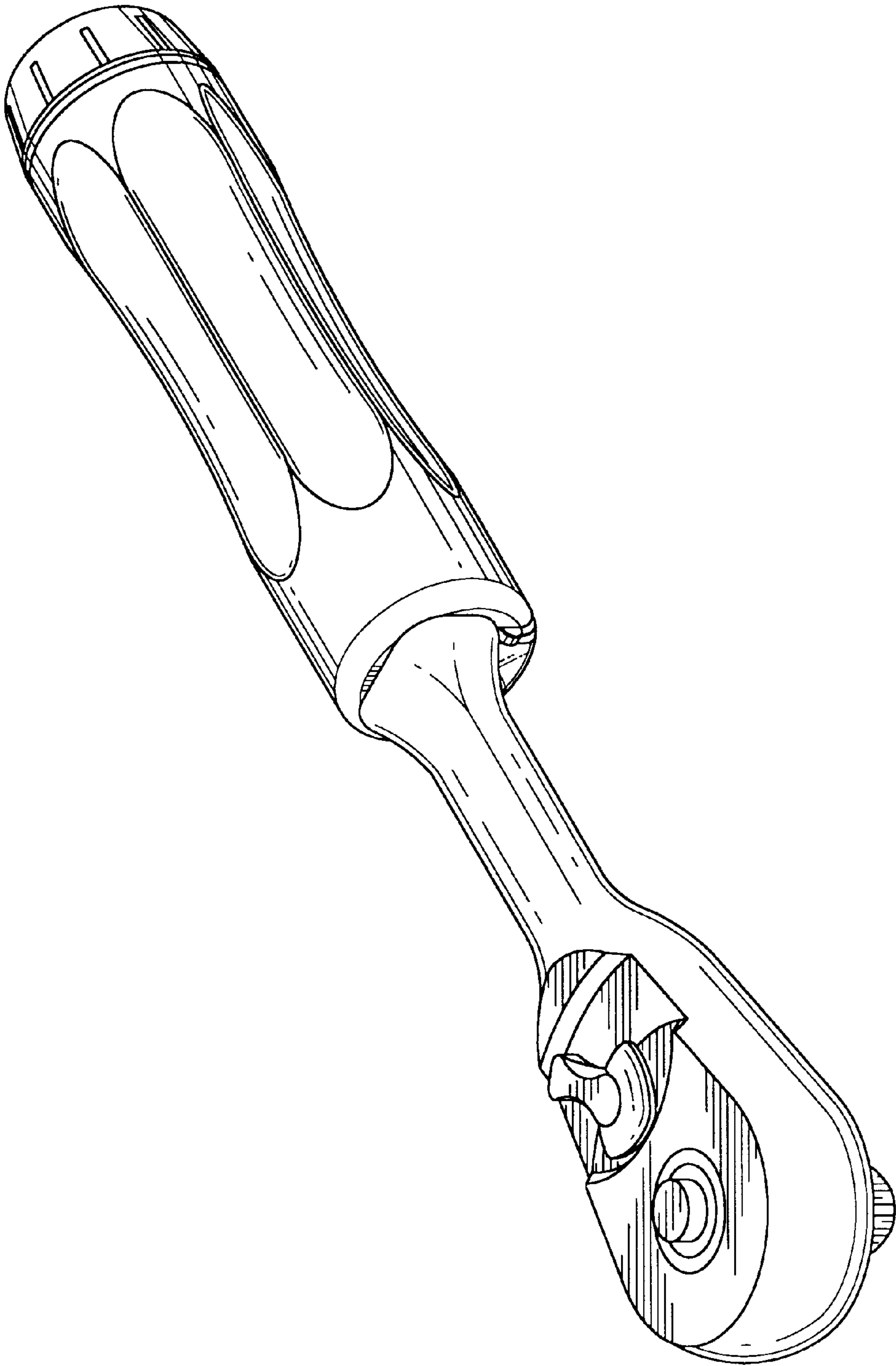


FIG. 1

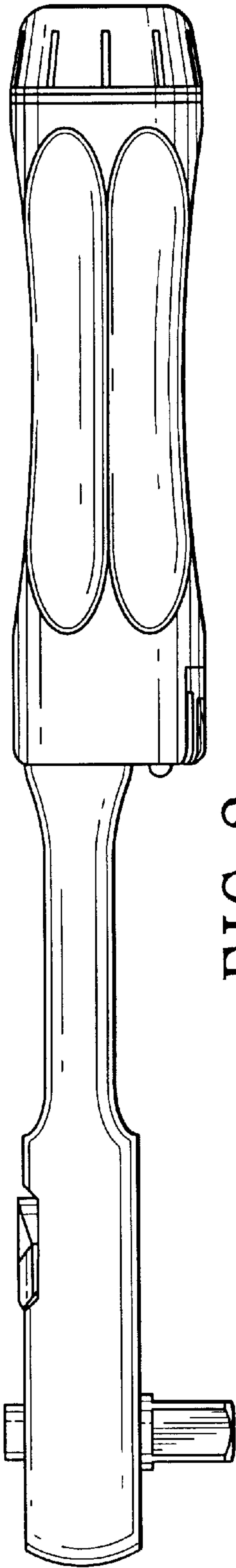


FIG. 2

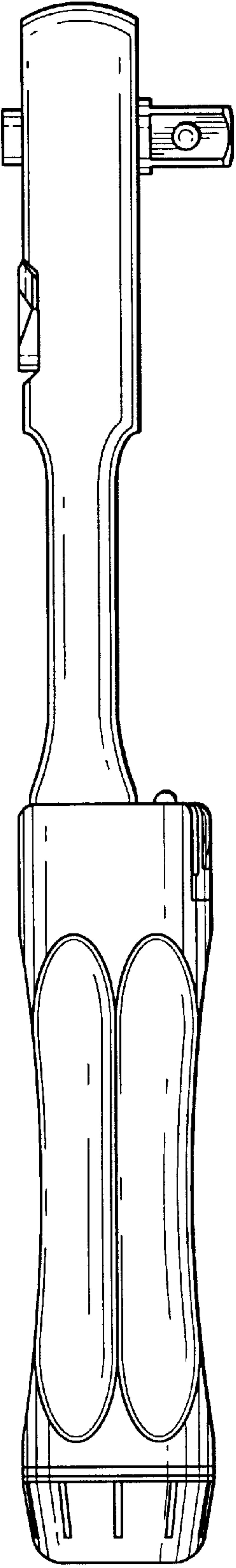


FIG. 3

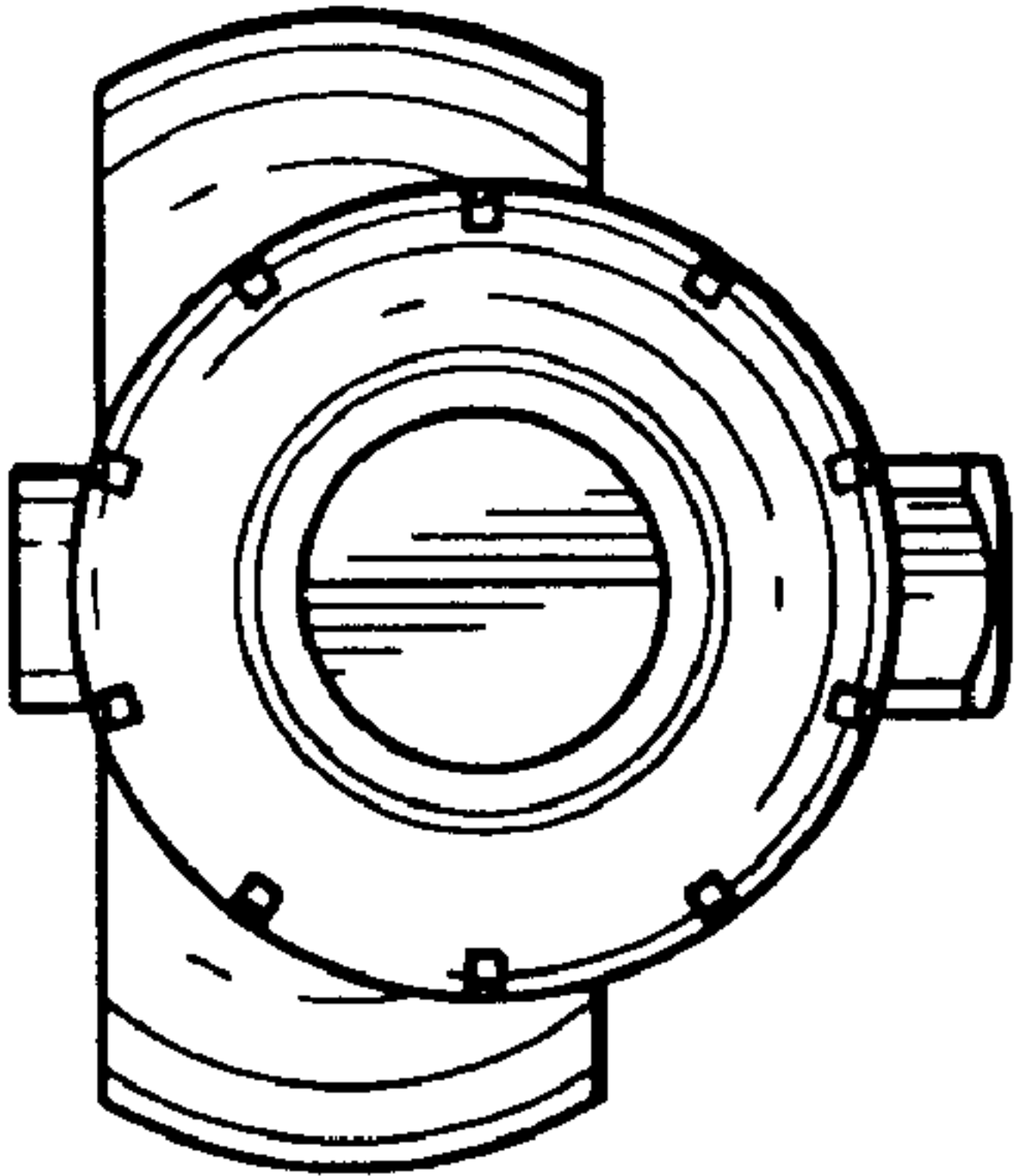


FIG. 5

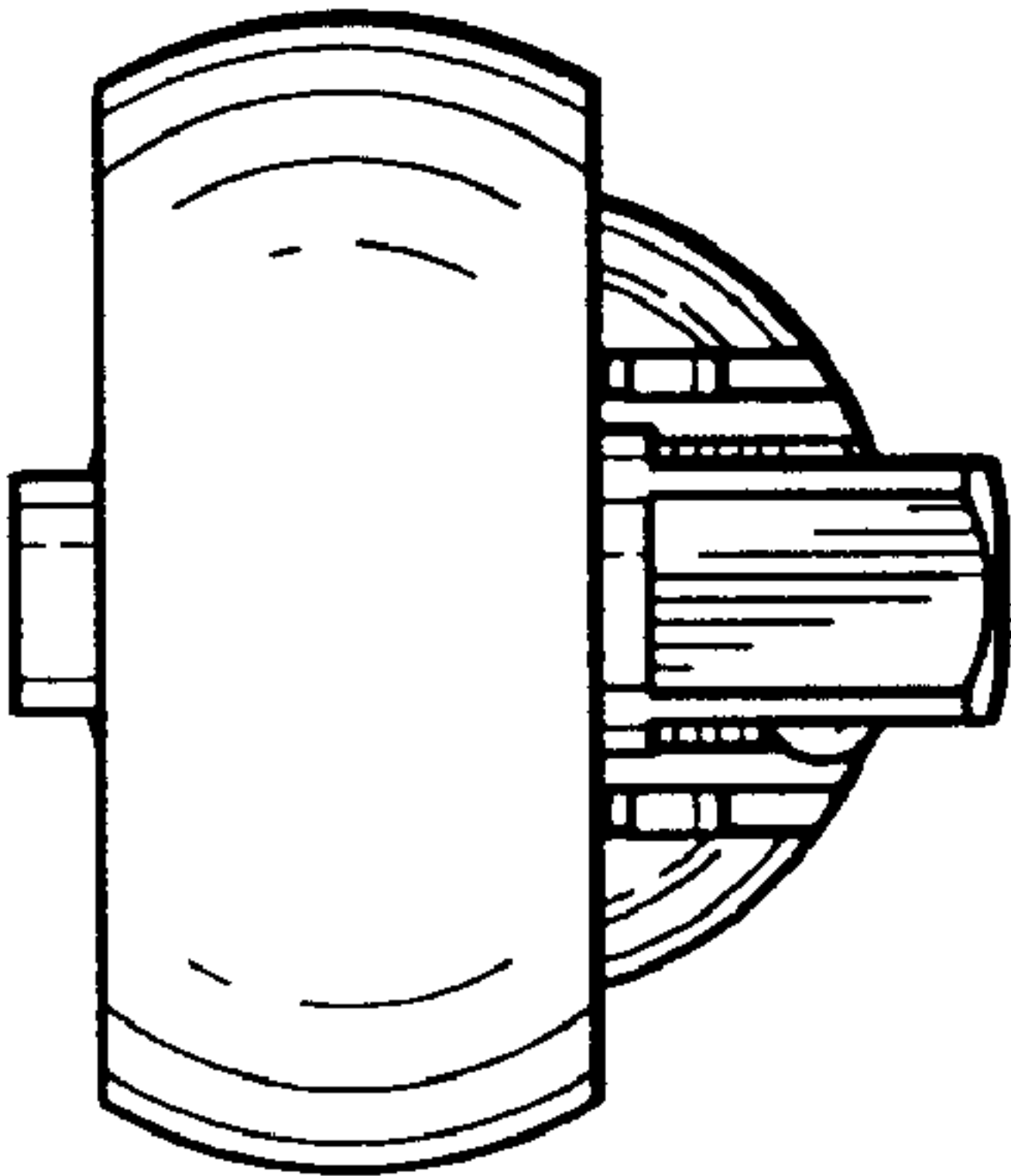


FIG. 4

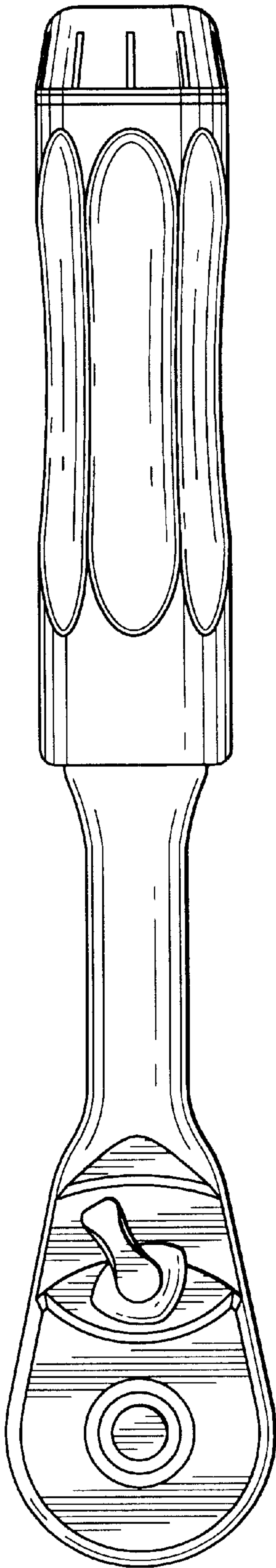


FIG. 6

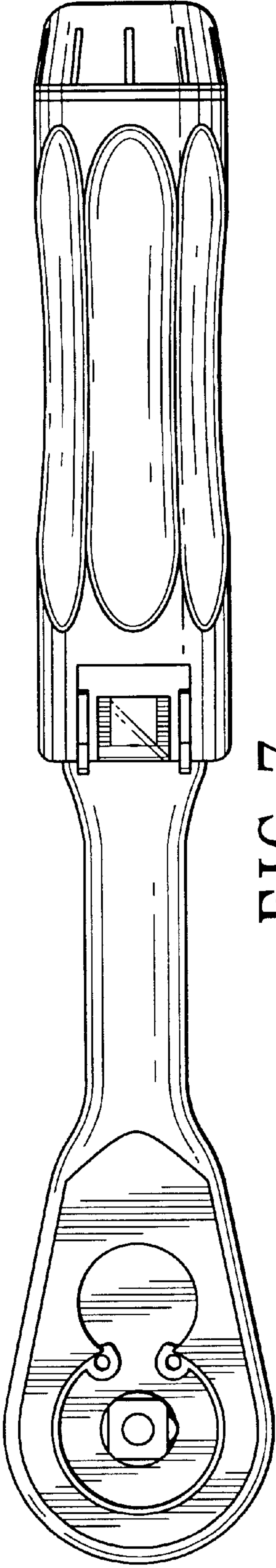


FIG. 7