



US00D527591S

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

(10) **Patent No.:** **US D527,591 S**
(45) **Date of Patent:** **** Sep. 5, 2006**

(54) **WRENCH TOOL**

(76) Inventor: **Yung-Chuan Liao**, No. 68-1, Fushing
N. Rd., Shituen Chiu, Taichung 407
(TW)

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

(21) Appl. No.: **29/241,886**

(22) Filed: **Nov. 1, 2005**

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

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

(58) **Field of Classification Search** D8/17,
D8/21-29; 81/490, 177.4, 492, 58, 57.13,
81/177.7, 177.8, 60-63.2, 166-170
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,170,909	A	*	10/1979	Wagner	.....	81/63.2
4,253,356	A	*	3/1981	Martinmaas	.....	81/177.4
4,352,307	A	*	10/1982	Martinmaas	.....	81/177.4
D270,227	S	*	8/1983	Roth et al.	.....	D8/25
6,000,302	A	*	12/1999	Chiang	.....	81/177.8
D441,624	S	*	5/2001	Hsu	.....	D8/25
6,349,623	B1	*	2/2002	Peters	.....	81/177.4

D456,232	S	*	4/2002	Chen	.....	D8/61
D471,775	S	*	3/2003	Wang	.....	D8/25
6,634,262	B1	*	10/2003	Malchus	.....	81/490
6,684,738	B1	*	2/2004	Huang	.....	81/60

* cited by examiner

Primary Examiner—Raphael Barkai
Assistant Examiner—Randall H. Gholson
(74) *Attorney, Agent, or Firm*—Charles E. Baxley

(57) **CLAIM**

I claim the distinctive design of a wrench tool, as shown and described.

DESCRIPTION

FIG. 1 is a front, top, right prospective view of the wrench tool according to my invention/design; FIG. 2 is a right side view thereof, FIG. 3 is a right side view thereof, FIG. 4 is a front view thereof, FIG. 5 is a rear view thereof, FIG. 6 is a top plan view thereof, FIG. 7 is a bottom plan view thereof; and, FIG. 8 is a top right prospective view thereof with dashed lines showing environmental features.

1 Claim, 5 Drawing Sheets

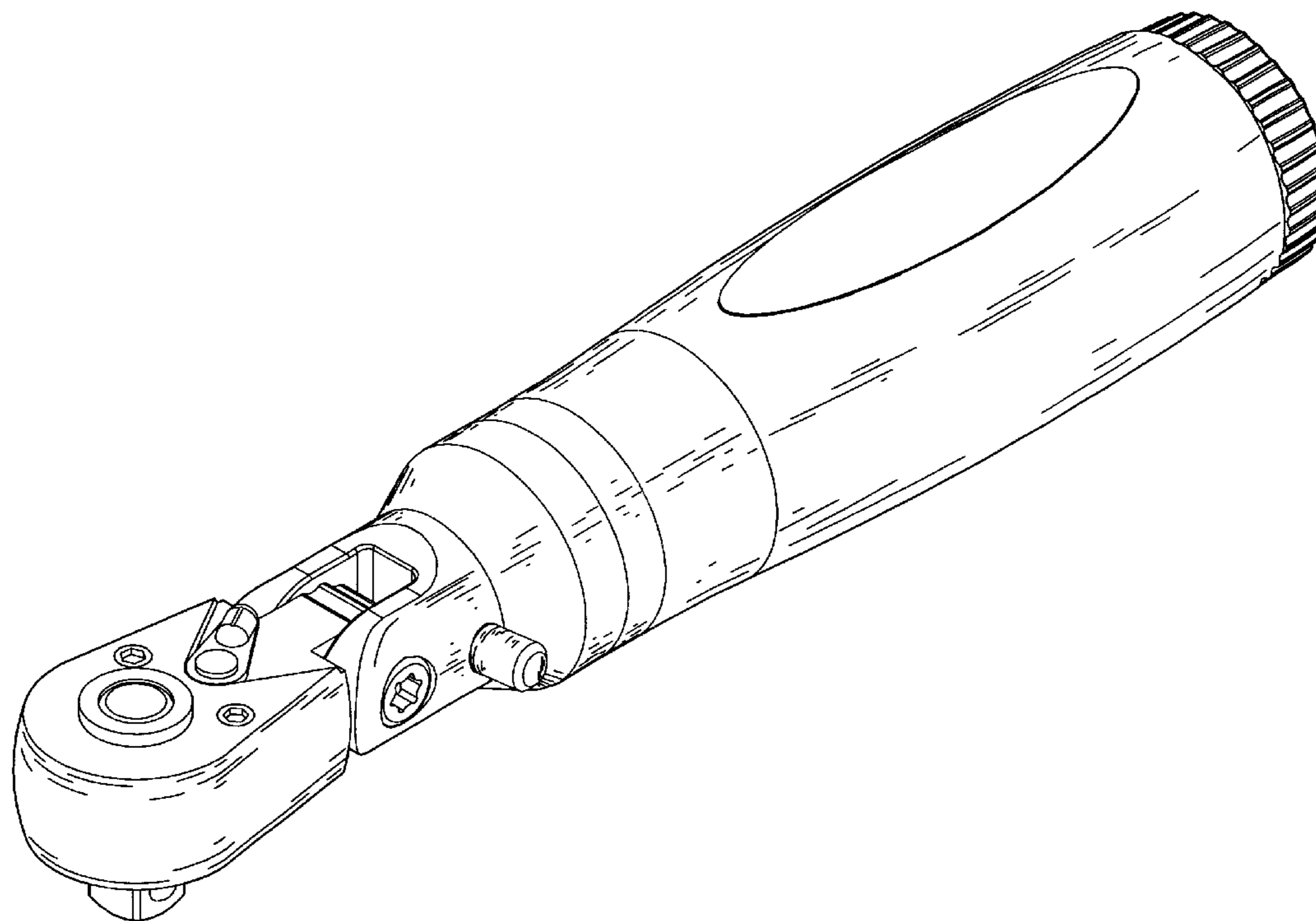




FIG. 1

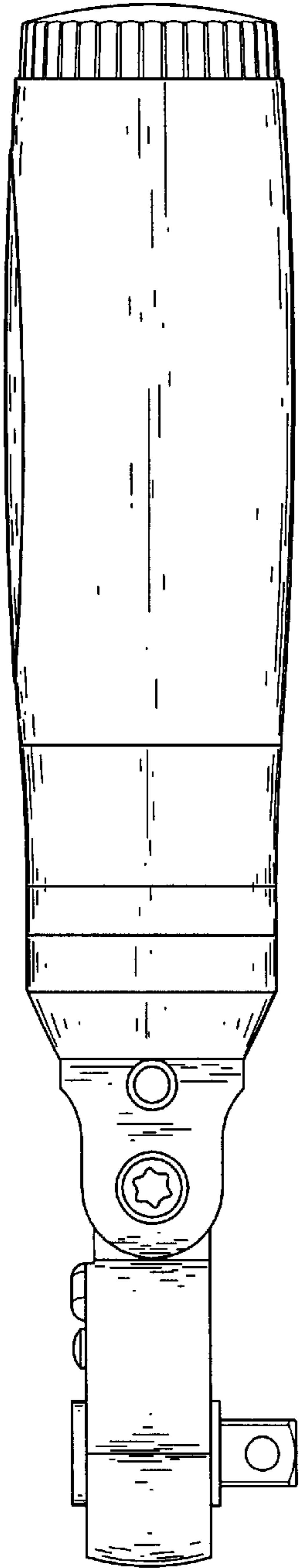


FIG. 2

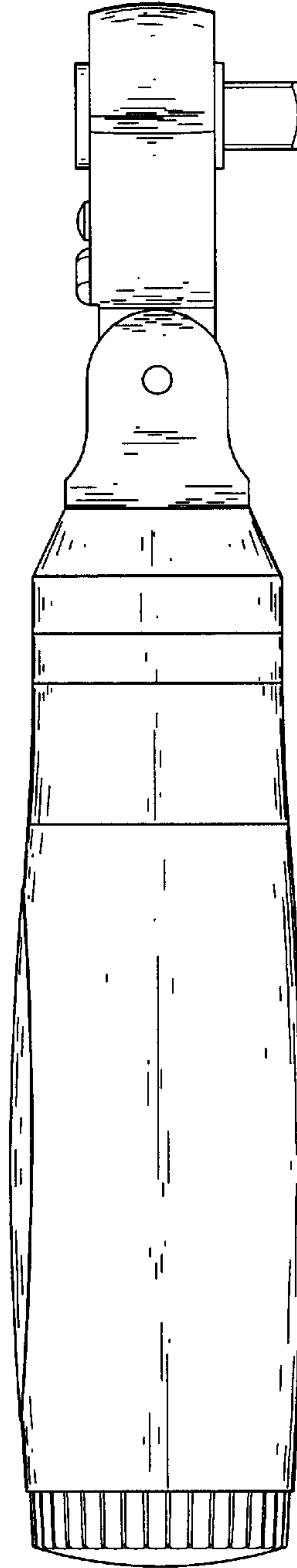


FIG. 3

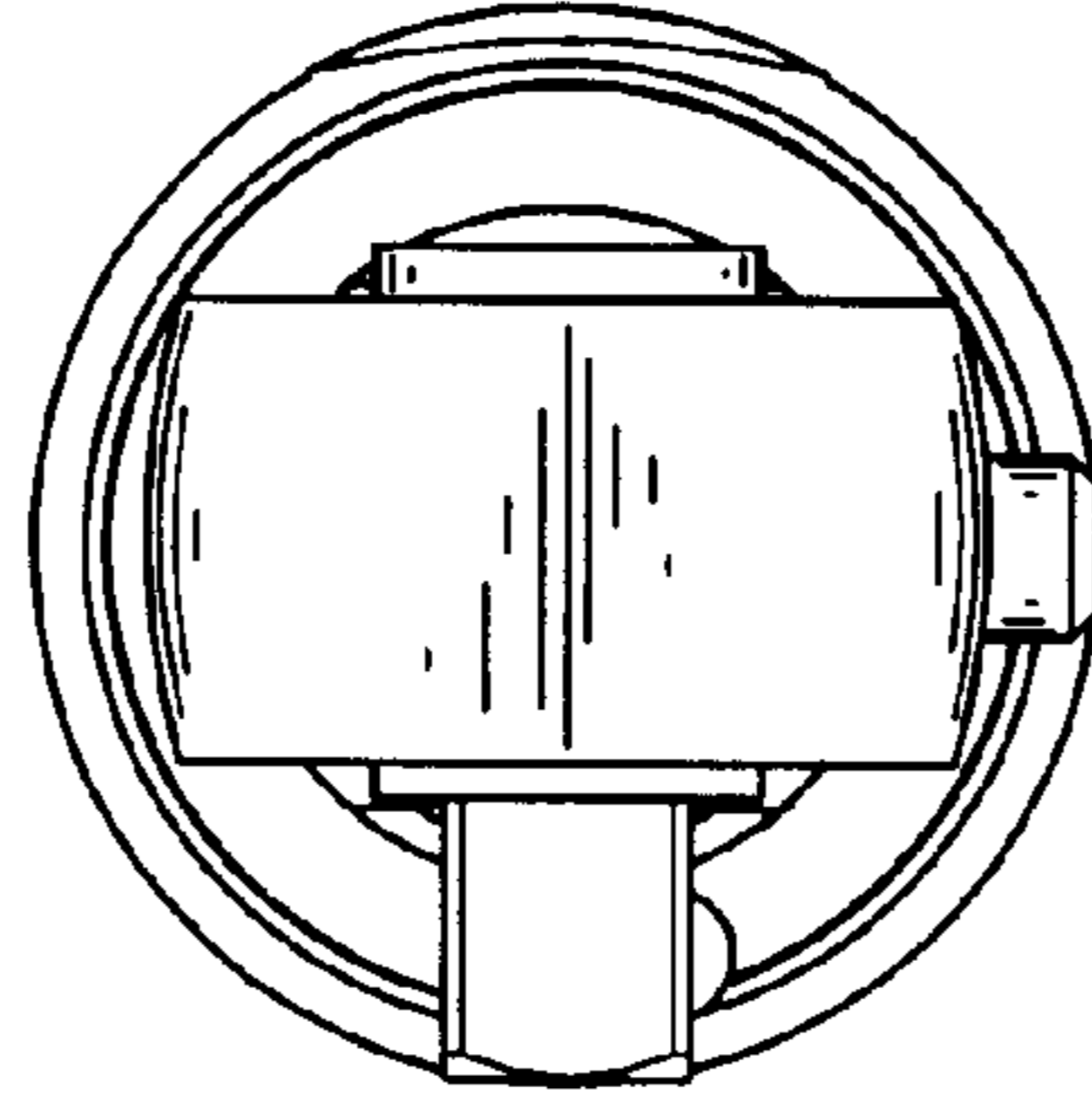


FIG. 4

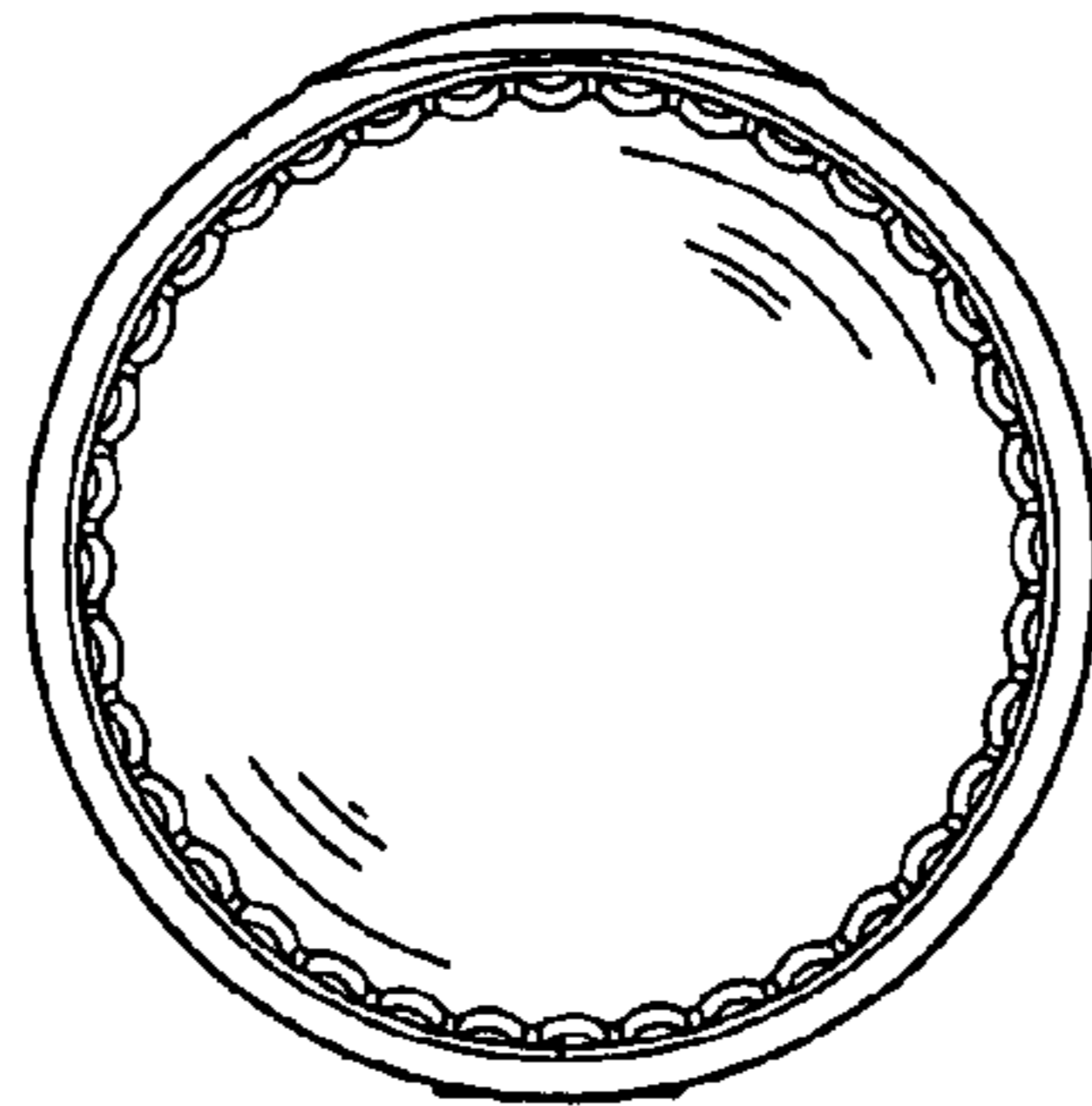


FIG. 5

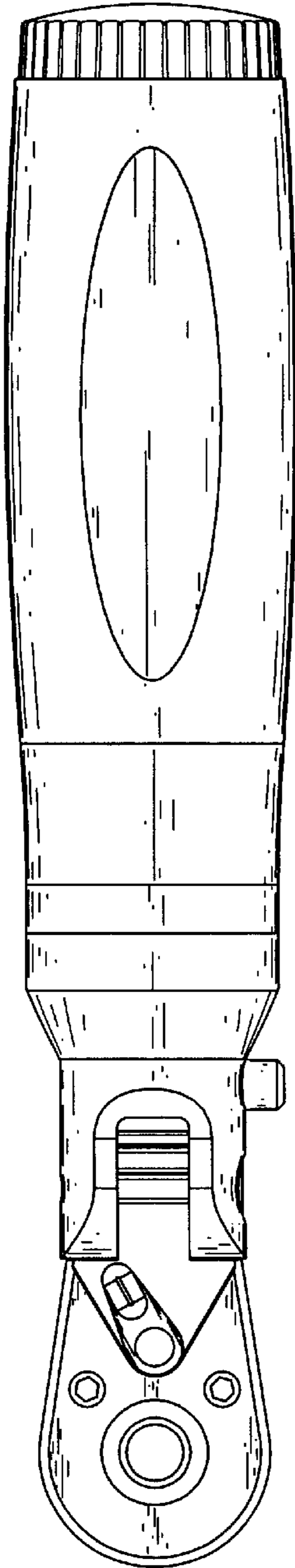


FIG. 6

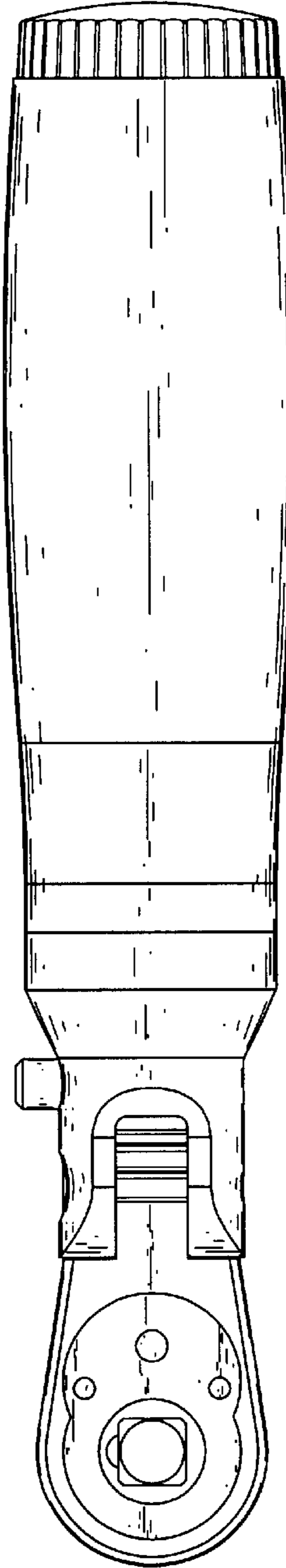


FIG. 7

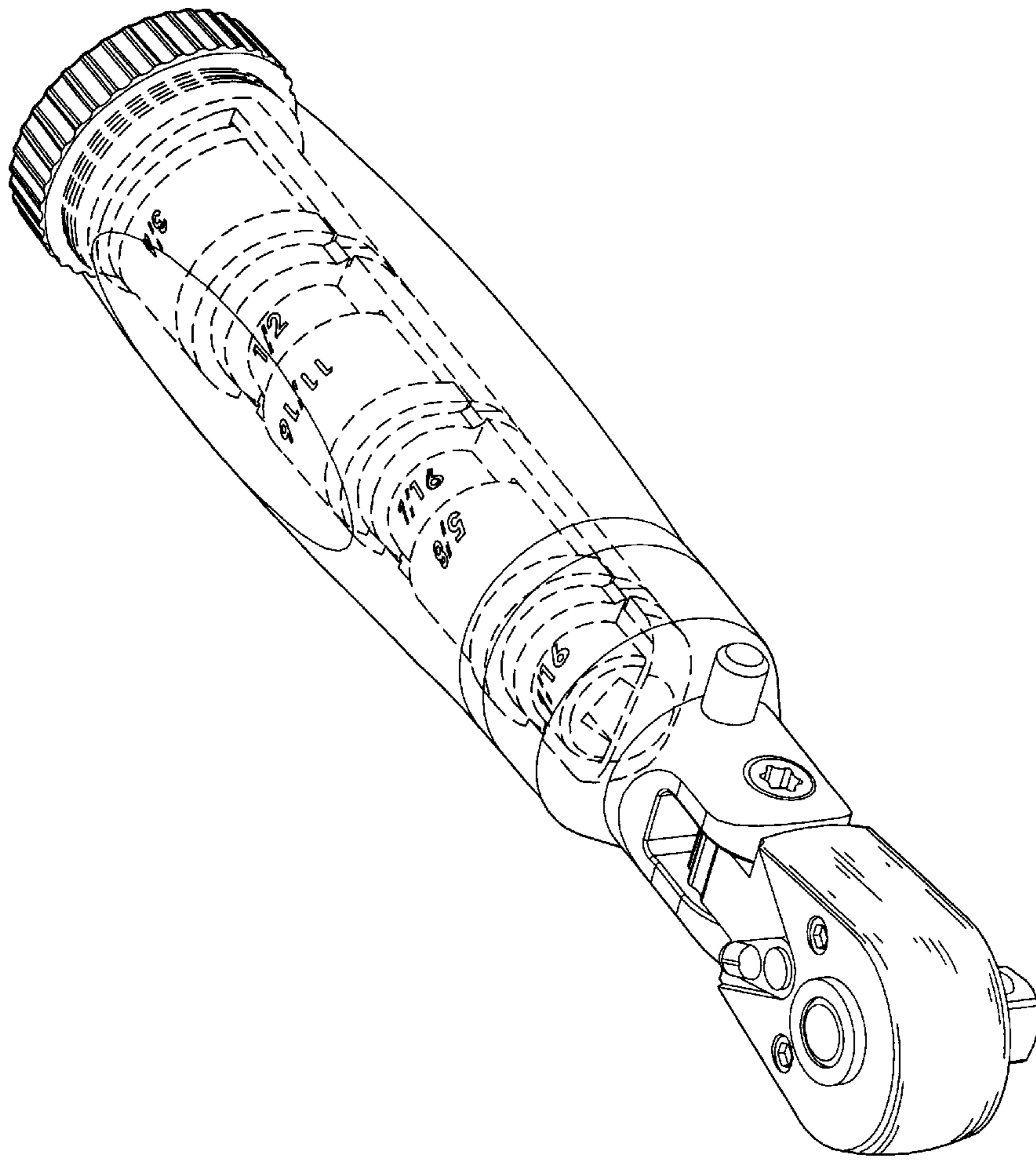


FIG. 8