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(12)

United States Design Patent

Yang

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(54) ANGLE-ADJUSTABLE WRENCH

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(**) Term: 15 Years

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(51) LOC (14) Cl. 08-05

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(58) Field of Classification Search

USPC D8/14, 21, 24-27, 29, 51, 59, 107; D24/133, 147; 81/57.13, 57.39, 60

CPC B25B 21/004; B25B 13/46; B25B 13/463

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

D291,246 S *	8/1987	Lower	D24/140
D362,909 S *	10/1995	Warner	D24/147
6,186,030 B1 *	2/2001	Whitley	B25B 13/465
			81/58.3
D506,373 S *	6/2005	Hsien	D8/27
D595,551 S *	7/2009	Yang	D8/27
D630,482 S *	1/2011	Su	D8/27
D632,533 S *	2/2011	Cappuccio	D8/25
D668,123 S *	10/2012	Su	D8/27
D673,827 S *	1/2013	Cappuccio	D8/25
D675,894 S *	2/2013	Chen	B25B 15/008
			D8/25

D724,399 S *	3/2015	Chern	D8/22
D829,518 S *	10/2018	McLeod	D8/24
2002/0108473 A1 *	8/2002	Warner	B25B 15/008
			81/177.6

* cited by examiner

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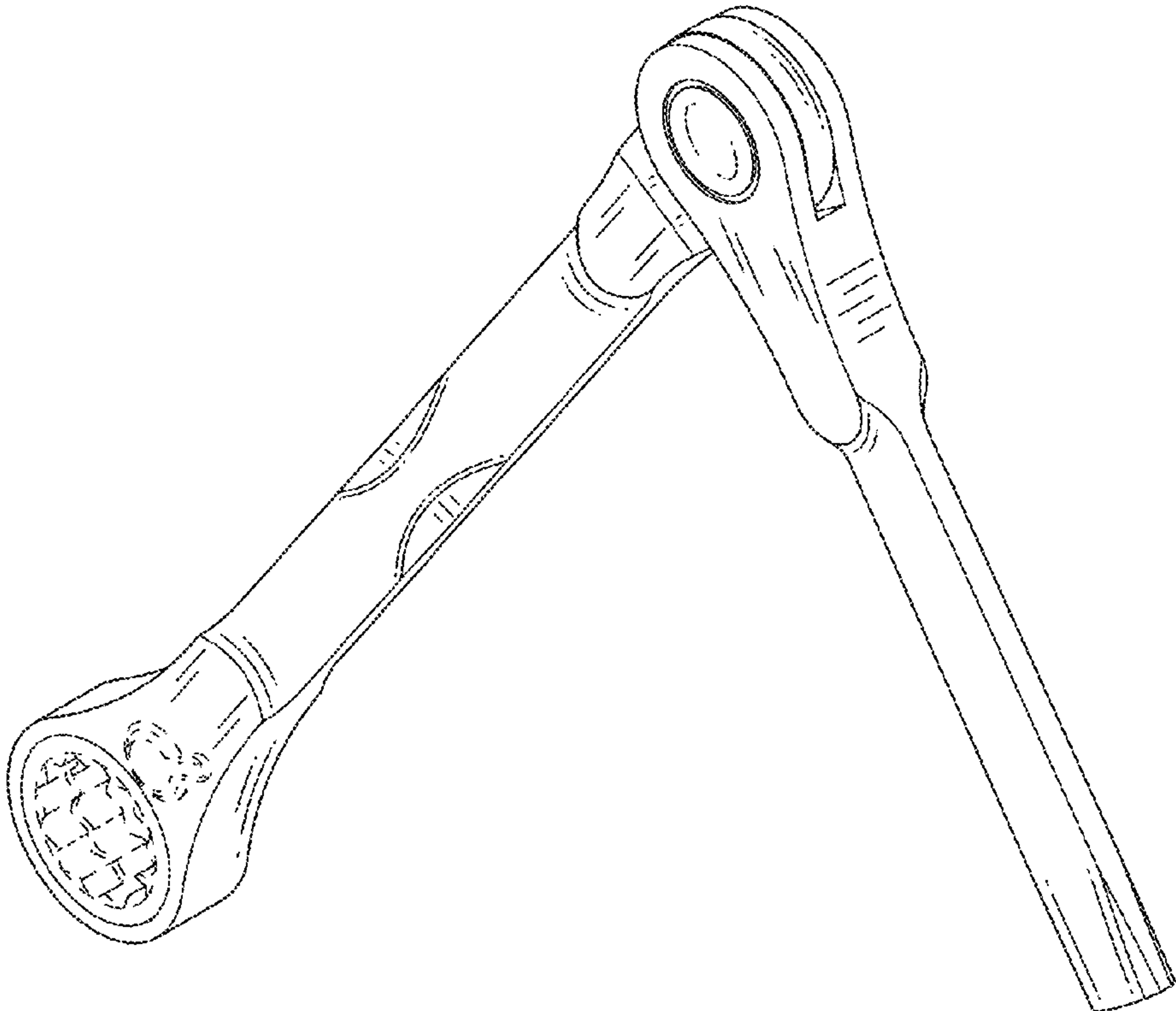
(57) CLAIM

The ornamental design for an angle-adjustable wrench, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of an angle-adjustable wrench showing my 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;
FIG. 7 is a bottom plan view thereof; and,
FIG. 8 is an illustration of the angle-adjustable wrench with an exemplary handle.
The broken lines in the figures are for the purpose of illustrating portions of the angle-adjustable wrench, which form no part of the claimed design.

1 Claim, 8 Drawing Sheets



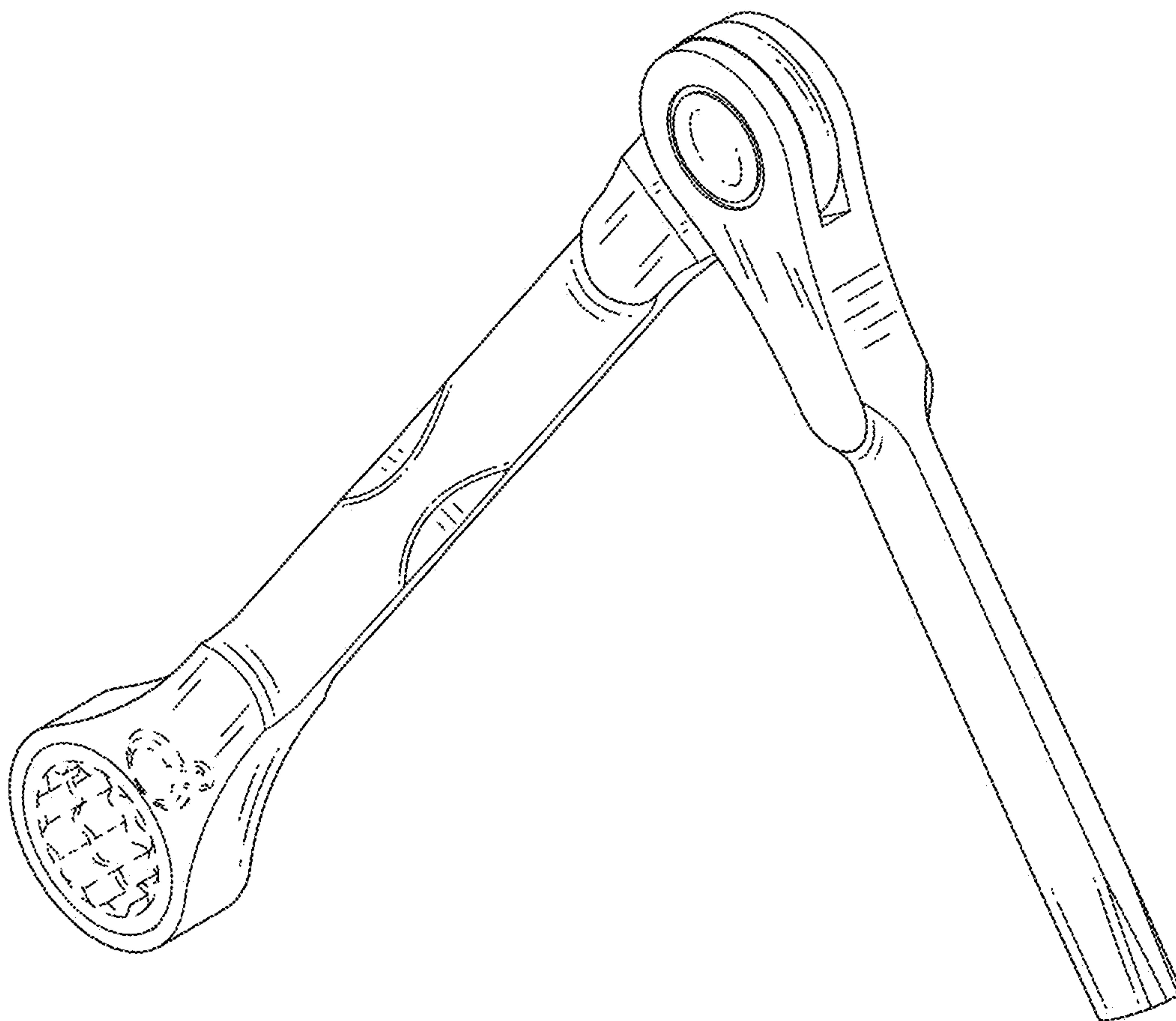


FIG. 1

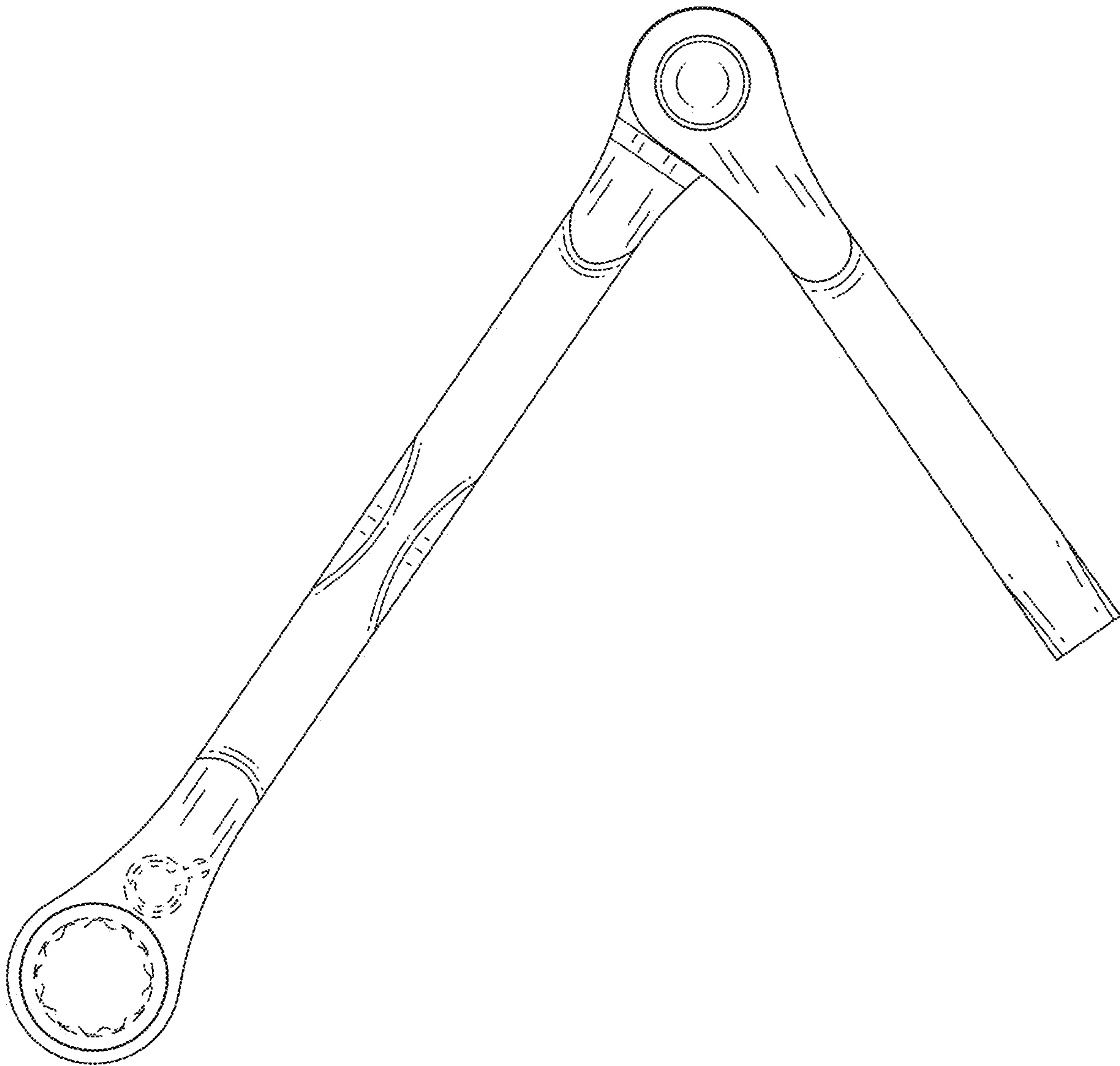


FIG. 2

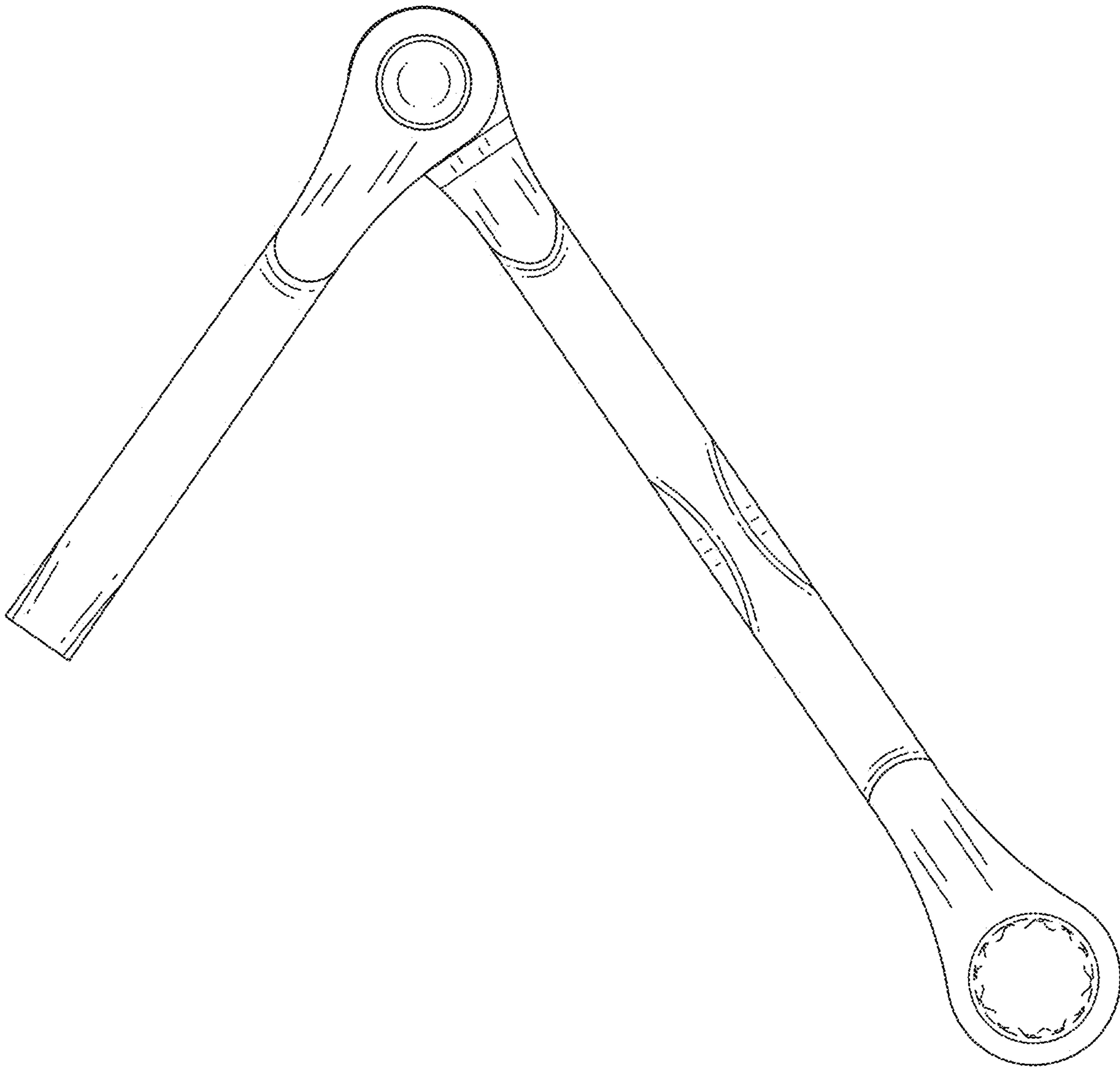


FIG. 3

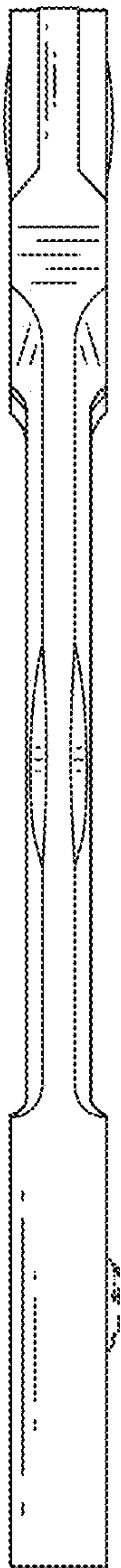


FIG. 4

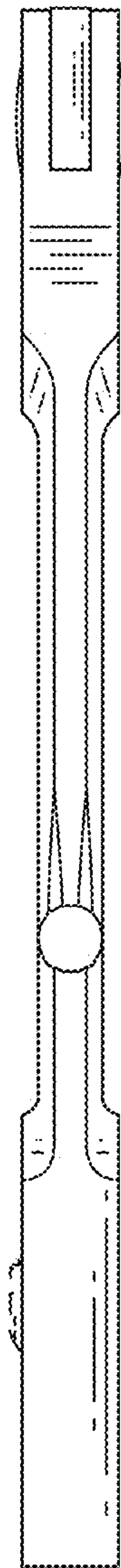


FIG. 5

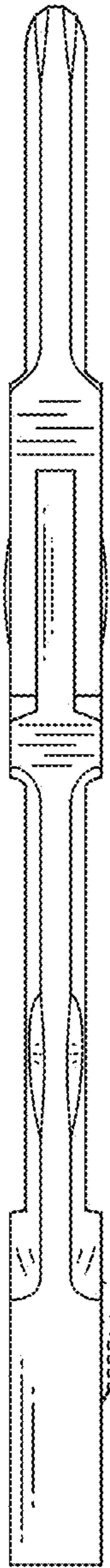


FIG. 6



FIG. 7

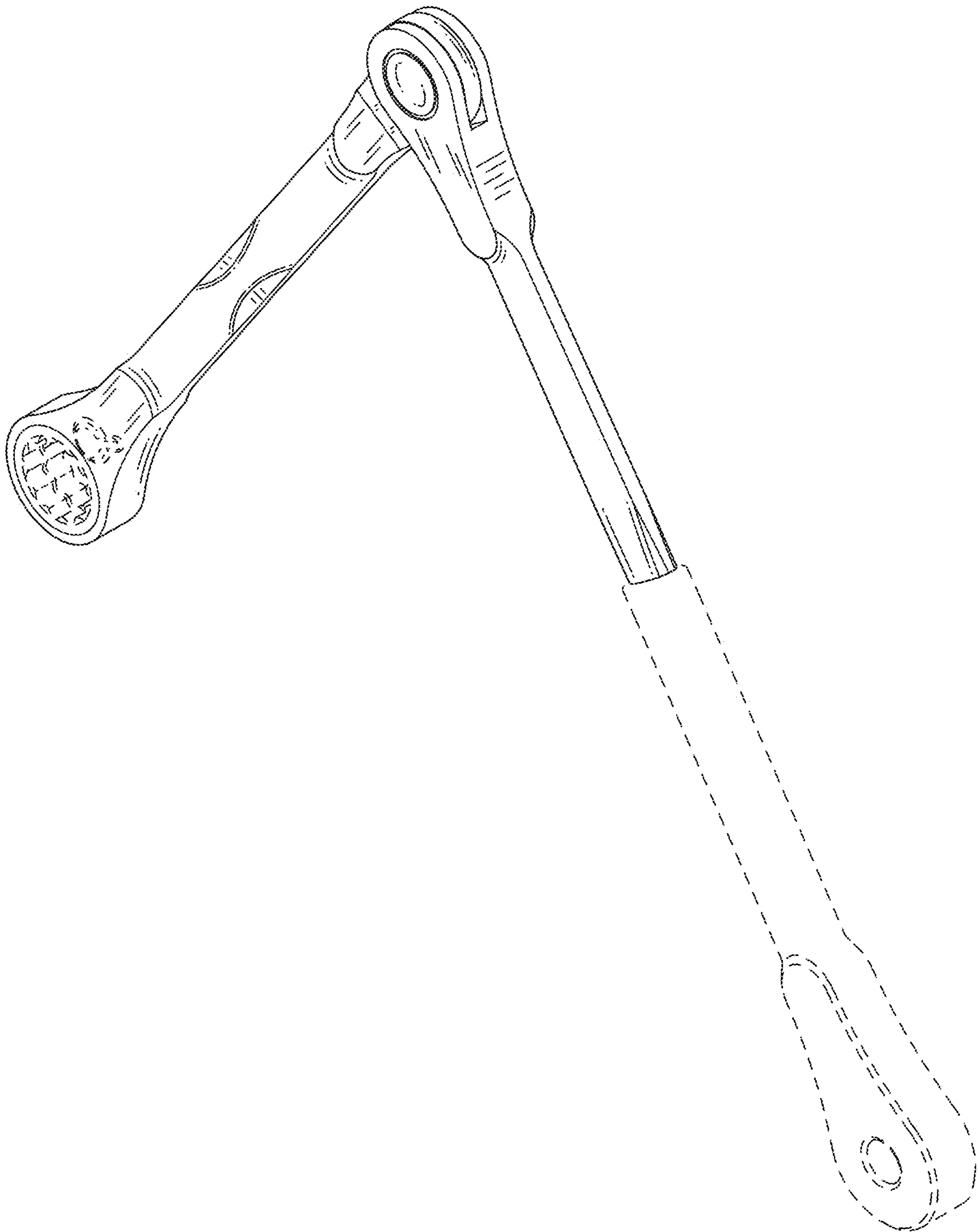


FIG. 8