

US00D692742S

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

(10) **Patent No.:** **US D692,742 S**
(45) **Date of Patent:** **** Nov. 5, 2013**

(54) **RIGHT ANGLE ATTACHMENT**
(71) Applicant: **Black & Decker Inc.**, Newark (DE)
(72) Inventor: **Lauren M. Wenchel**, Sparks, MD (US)
(73) Assignee: **Black & Decker Inc.**, Newark, DE (US)

6,973,858 B2 12/2005 Huang
7,077,736 B2 7/2006 Uzumcu et al.
7,131,358 B2 11/2006 Hsien
7,156,187 B1 1/2007 Townsan

(Continued)

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

FOREIGN PATENT DOCUMENTS

DE 828788 C 1/1952
DE 7407539 U 11/1974

(Continued)

(21) Appl. No.: **29/437,746**

(22) Filed: **Nov. 20, 2012**

OTHER PUBLICATIONS

(51) **LOC (9) Cl.** **08-03**

(52) **U.S. Cl.**
USPC **D8/70**

(58) **Field of Classification Search**
USPC D8/61, 62, 66-70; D32/15, 17, 19;
D4/102; 451/344, 351, 353-359, 451,
451/456; 310/50; 173/170; 200/50.32
See application file for complete search history.

90 Degree Red Right Angle Drill Attachment. Miles Craft Website. Nov. 15, 2006 [online], [retrieved on Apr. 11, 2013]. Retrieved from the Internet <URL: http://www.homehardware.ca/en/rec/index.htm/Tools/Power-Tools/Portable-Corded/Drivers/Attachments/90-Degree-Red-Right-Angle-Drill-Attachment/_/N-ntm8a/R-I1210254>.*

Primary Examiner — Philip S Hyder
Assistant Examiner — Darlington Ly
(74) *Attorney, Agent, or Firm* — Scott B. Markow

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,494,200	A	5/1924	Waters	
2,981,545	A	4/1961	Hoffmeister	
4,643,052	A	2/1987	Badiali	
4,920,832	A	5/1990	Van Gennep	
5,028,181	A	7/1991	Jenkins et al.	
5,063,796	A	11/1991	Gennep	
D323,395	S *	1/1992	Meller et al.	D24/146
D323,961	S *	2/1992	Fushiya et al.	D8/61
5,168,780	A	12/1992	Van Gennep	
D336,228	S *	6/1993	Anderson et al.	D8/61
D372,850	S *	8/1996	Dubuque et al.	D8/61
D408,241	S *	4/1999	Jansson	D8/61
6,048,260	A	4/2000	Kopras	
6,089,331	A *	7/2000	Christ	173/216
D439,124	S *	3/2001	Duennes	D8/70
6,352,127	B1 *	3/2002	Yorde	173/216
6,463,824	B1	10/2002	Prell et al.	
6,820,339	B2 *	11/2004	Albrightson	30/392

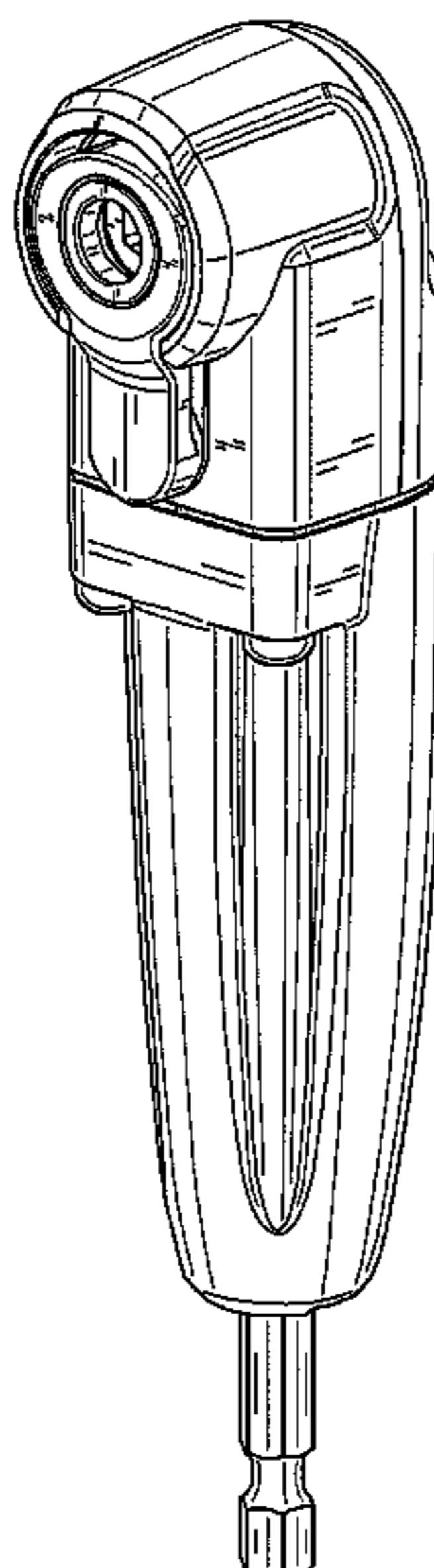
(57) **CLAIM**

The ornamental design for a right angle attachment, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the right angle attachment.
FIG. 2 is a front view thereof.
FIG. 3 is a back view thereof.
FIG. 4 is a left view thereof.
FIG. 5 is a right view thereof.
FIG. 6 is a top view thereof; and,
FIG. 7 is a bottom view thereof.
The portion in broken lines does not form any part of the claimed design.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

RE40,304 E	5/2008	Kopras et al.	
7,367,757 B2	5/2008	Phillips	
7,448,302 B2	11/2008	Huang	
7,475,740 B2	1/2009	Kozina et al.	
7,581,470 B1	9/2009	Huang	
7,779,931 B2	8/2010	Townsan	
7,891,275 B2	2/2011	Huang	
D636,245 S *	4/2011	Adkins	D8/70
7,954,824 B2	6/2011	Hu	
8,172,236 B2	5/2012	Shibata	
8,240,233 B2	8/2012	Huang	
2001/0031179 A1 *	10/2001	Potter et al.	408/199
2006/0222541 A1	10/2006	Greitmann et al.	
2008/0003070 A1 *	1/2008	Hor	408/124
2009/0272556 A1 *	11/2009	Young et al.	173/216
2010/0219594 A1	9/2010	Nash	
2011/0006489 A1	1/2011	Lai	

2011/0017029 A1	1/2011	Chen
2011/0023666 A1	2/2011	Hsu
2011/0215538 A1	9/2011	Cornwell et al.
2011/0272172 A1	11/2011	Lau et al.
2012/0104702 A1	5/2012	Hu
2012/0126497 A1	5/2012	Lin

FOREIGN PATENT DOCUMENTS

DE	4036569 A1	5/1992
DE	4326652 A1	1/1994
DE	29912870 U1	11/1999
DE	19934588 A1	2/2001
DE	19938707 A1	3/2001
DE	202004004469 U1	5/2004
DE	202005013315 U1	10/2005
DE	202008003131 U1	9/2008
EP	1749620 A1	2/2007
EP	2383076 A2	11/2011

* cited by examiner

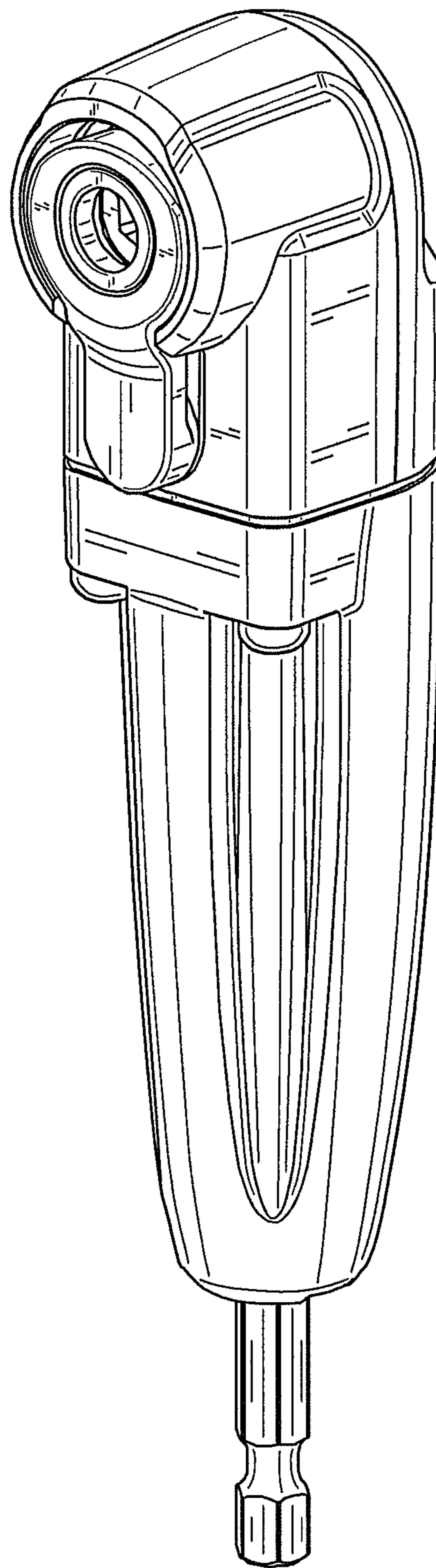


FIG. 1

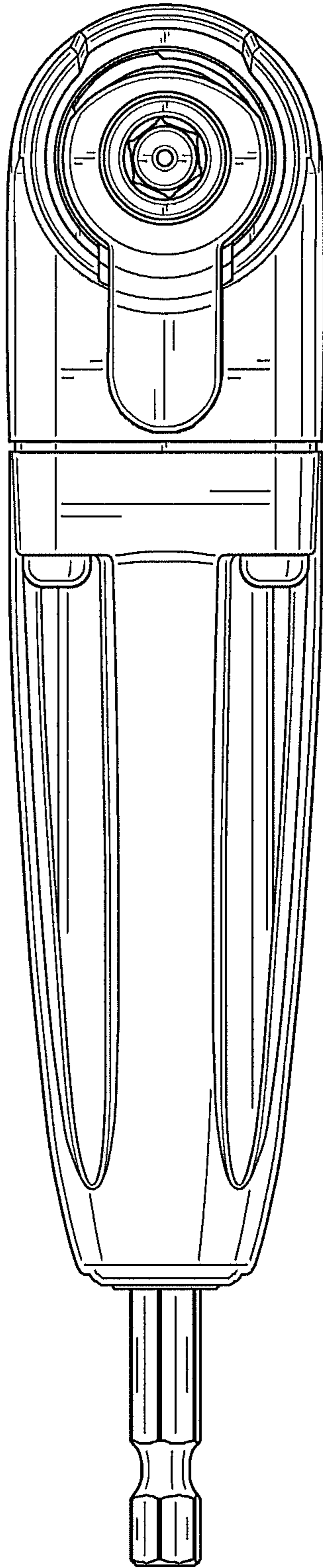


FIG. 2

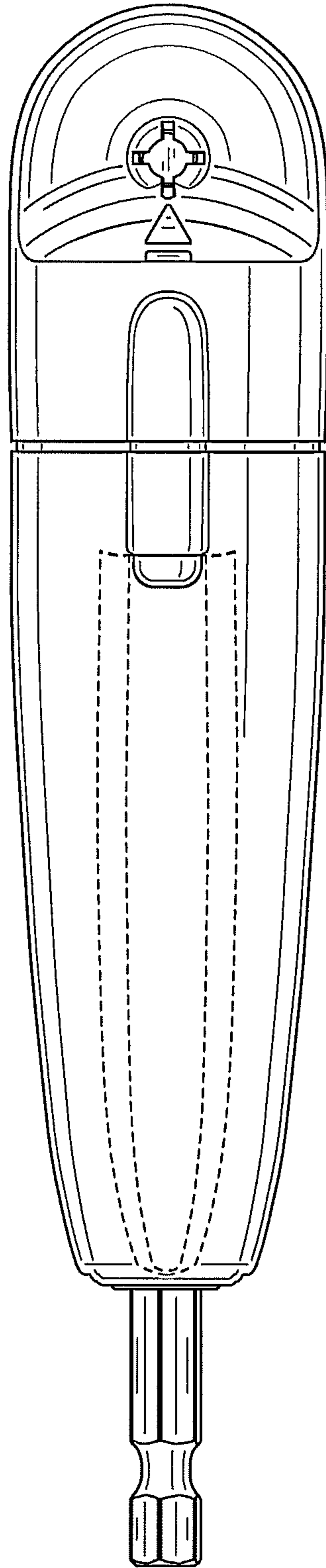


FIG. 3

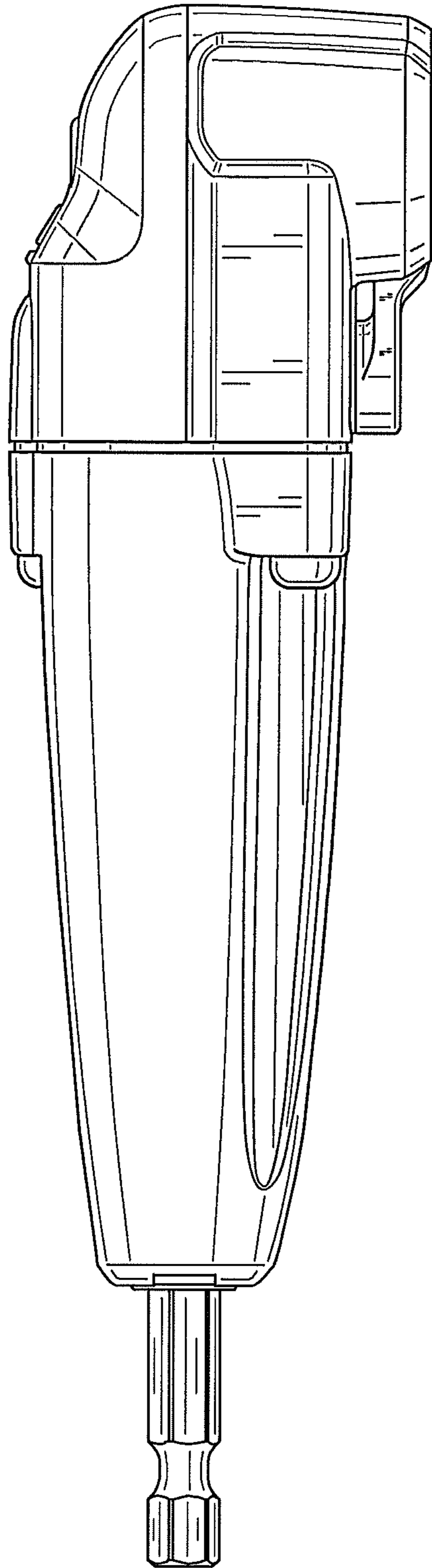


FIG. 4

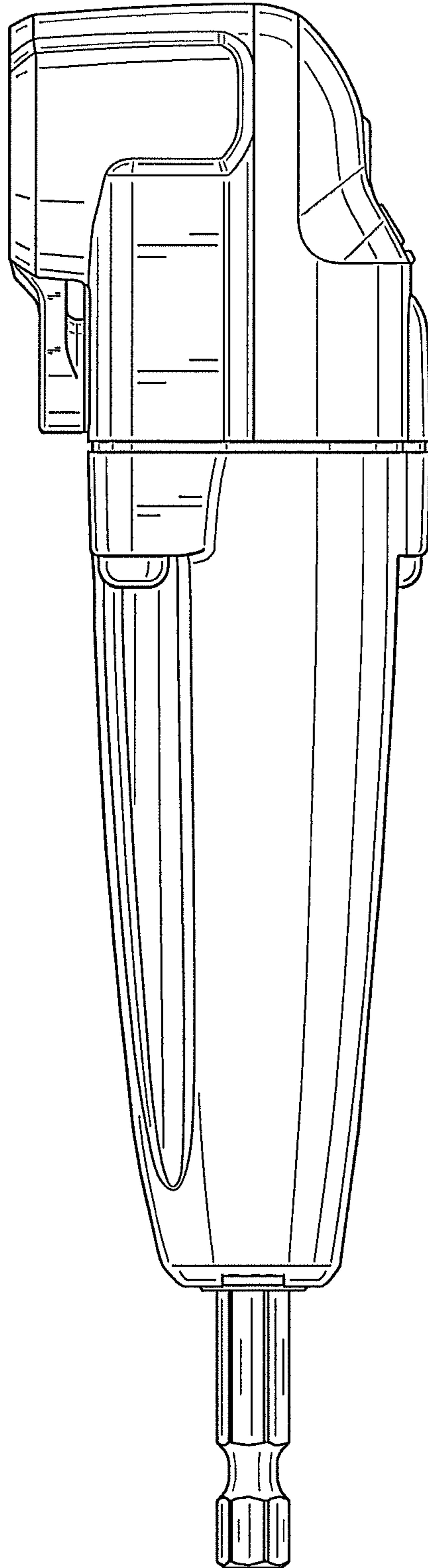


FIG. 5

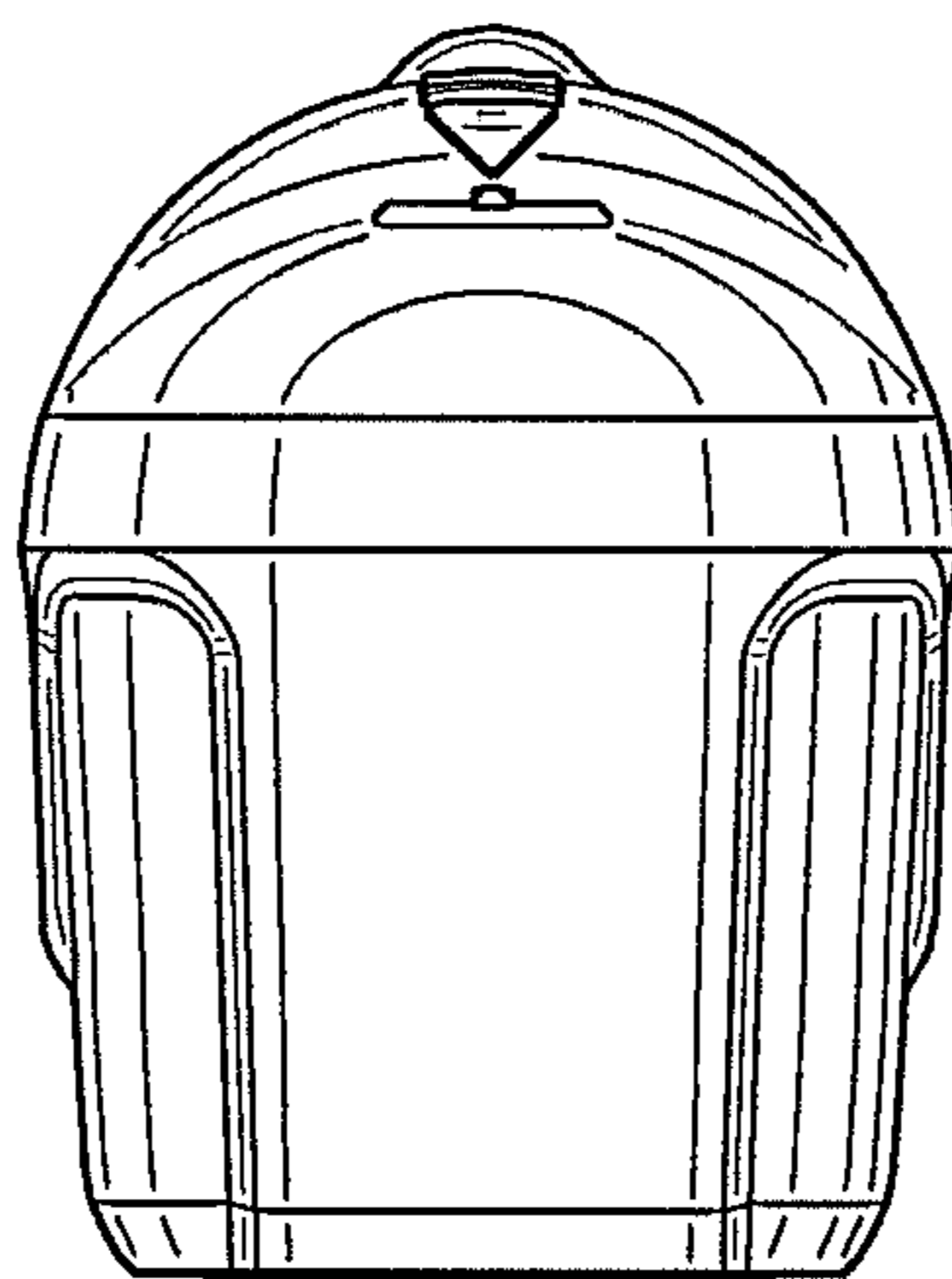


FIG. 6

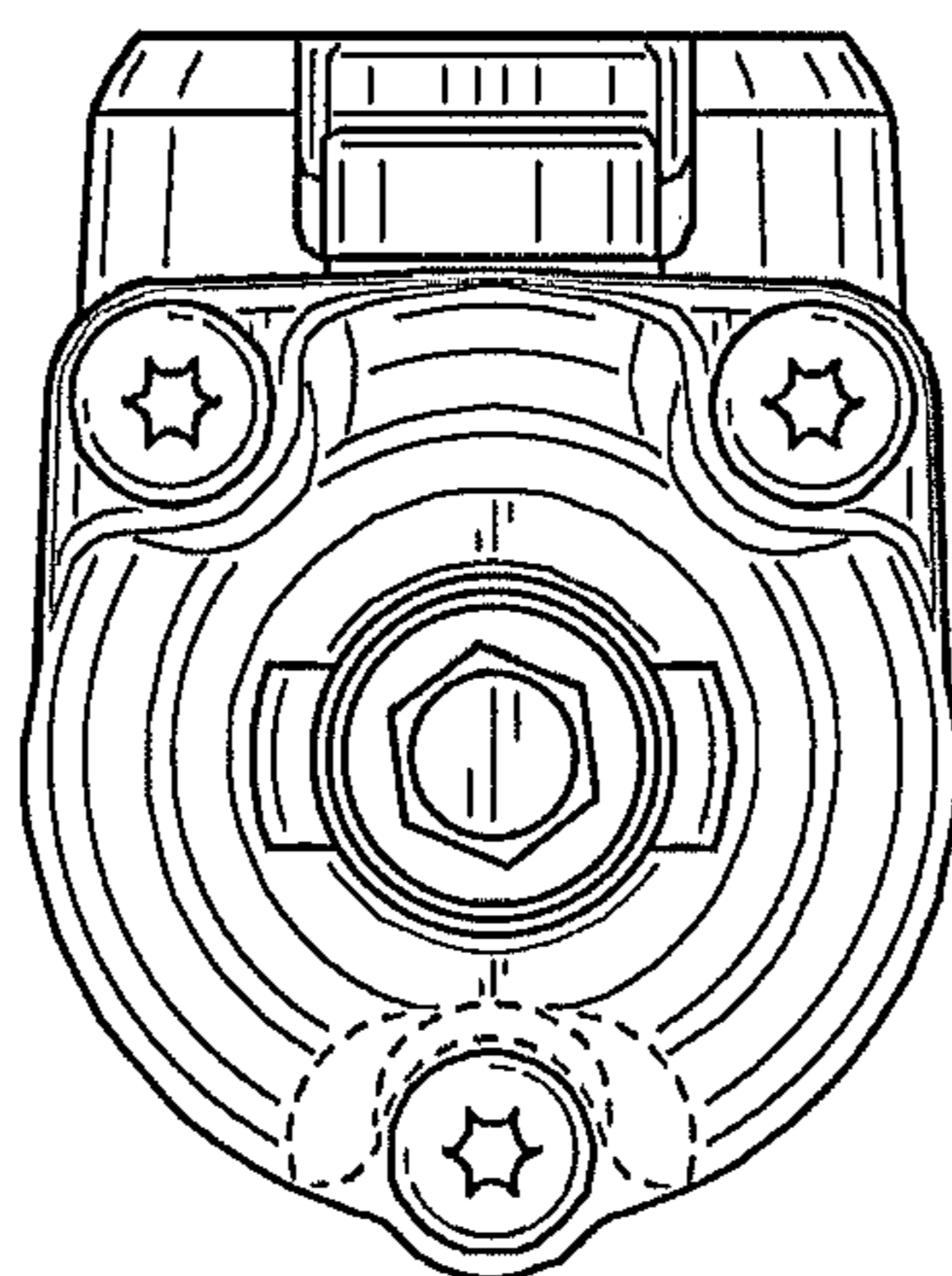


FIG. 7