



US00D872552S

(12) **United States Design Patent**  
**Gu et al.**

(10) **Patent No.:** **US D872,552 S**  
(45) **Date of Patent:** **\*\* Jan. 14, 2020**

(54) **DRILL**  
(71) Applicant: **BLACK & DECKER INC.**, New Britain, CT (US)  
(72) Inventors: **Cheng Gang Gu**, Jiang Su (CN); **Qian Wei**, Jiang Su (CN)  
(73) Assignee: **Black & Decker Inc.**, New Britain, CT (US)  
(\*\*) Term: **15 Years**

D337,711 S \* 7/1993 Ogawa ..... D8/68  
D339,727 S \* 9/1993 Kikuchi ..... D8/68  
D342,878 S \* 1/1994 Watanabe ..... D8/68  
D384,261 S \* 9/1997 Hayakawa ..... D8/68  
D396,621 S \* 8/1998 Zurwelle ..... D8/68  
D400,416 S \* 11/1998 Zurwelle ..... D8/68  
D402,872 S \* 12/1998 Clowers ..... D8/68  
D406,740 S \* 3/1999 Zurwelle ..... D8/68  
D406,742 S \* 3/1999 Schoen ..... D8/68  
D426,125 S \* 6/2000 Hayakawa ..... D8/61  
D439,123 S \* 3/2001 Sakai ..... D8/68  
D441,268 S \* 5/2001 Heun ..... D8/68  
D452,639 S \* 1/2002 Zurwelle ..... D8/68  
D466,386 S \* 12/2002 Zurwelle ..... D8/68  
D470,028 S \* 2/2003 Cooper ..... D8/68

(Continued)

(21) Appl. No.: **29/654,563**

(22) Filed: **Jun. 26, 2018**

(30) **Foreign Application Priority Data**

Apr. 20, 2018 (CN) ..... 2018 3 0166373

(51) **LOC (12) Cl.** ..... **08-05**

(52) **U.S. Cl.**  
USPC ..... **D8/68**

(58) **Field of Classification Search**  
USPC ..... D8/61, 67, 68  
CPC .... B62D 23/005; B62D 29/00; B62D 29/043;  
B62D 31/00; B62D 33/046; B62D 35/00;  
B62D 35/001; B60Q 1/0005  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D279,862 S \* 7/1985 Sato ..... D8/61  
D280,797 S \* 10/1985 Sakamoto ..... D8/61  
D280,883 S \* 10/1985 Sakamoto ..... D8/61  
D300,717 S \* 4/1989 Hasegawa ..... D8/68  
D314,698 S \* 2/1991 Zurwelle ..... D8/68  
D316,021 S \* 4/1991 Bunyea ..... D8/68  
D319,763 S \* 9/1991 Reiferscheid ..... D8/68  
D330,152 S \* 10/1992 Ogawa ..... D8/68  
D332,208 S \* 1/1993 Sakamoto ..... D8/68

**OTHER PUBLICATIONS**

Pictures of prior art of Porter Cable PCE141 1/2inch Single-Speed Hammer Drill—<https://www.portercable.com/products/power-tools/drills-and-drivers/hammer-drills/-in-csr-singlespeed-hammer-drill/pce141>; accessed on Aug. 27, 2018.

*Primary Examiner* — Darlington Ly

(74) *Attorney, Agent, or Firm* — Stephen R. Valancius

(57) **CLAIM**

The ornamental design for a drill, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a drill showing our new design;

FIG. 2 is a left side elevation view thereof;

FIG. 3 is a right side elevation view thereof;

FIG. 4 is a front elevation view thereof;

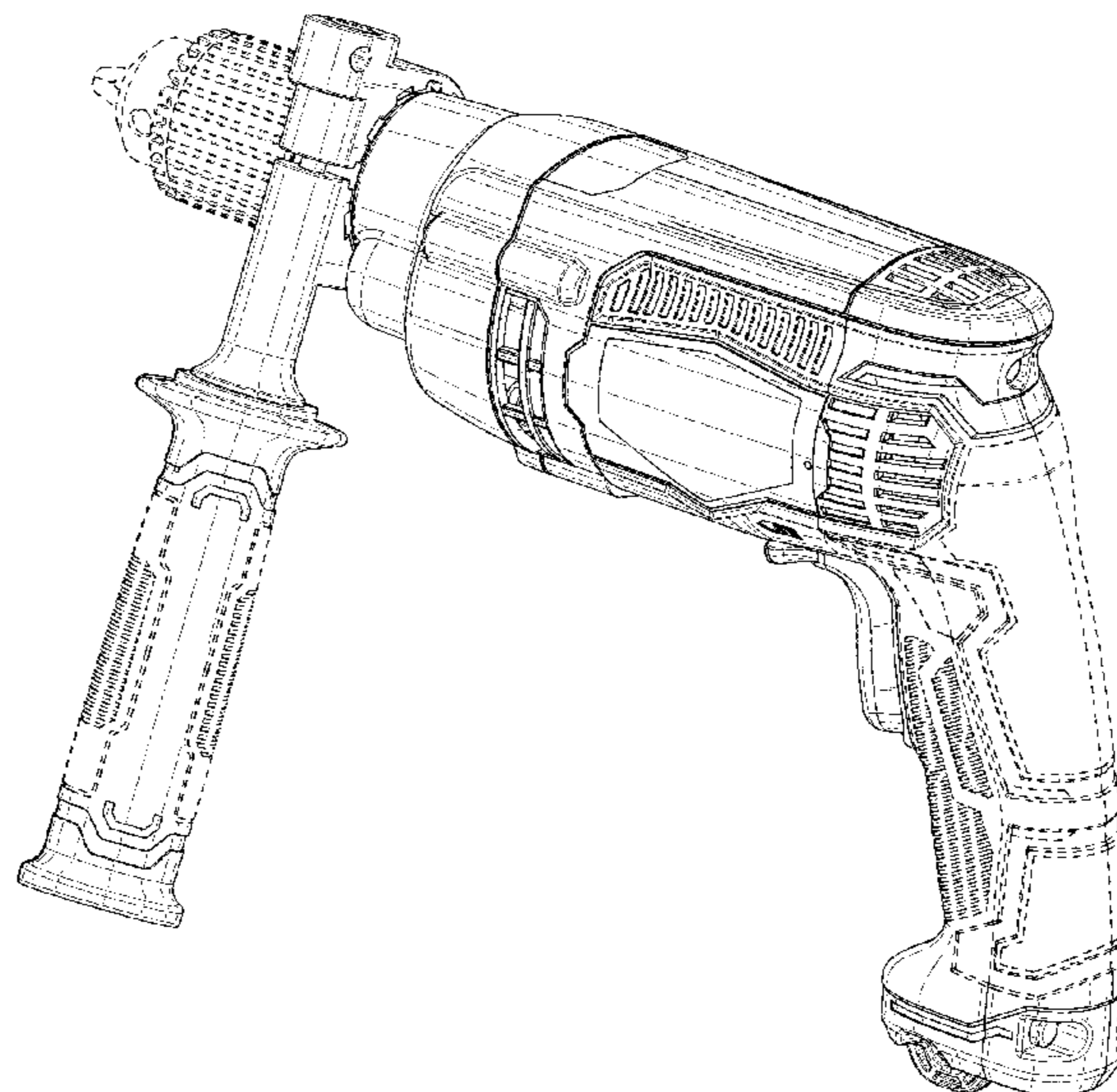
FIG. 5 is a rear elevation view thereof;

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

FIG. 7 is a bottom plan view thereof.

The broken lines in the drawings illustrate portions of the drill that form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



(56)

**References Cited**

## U.S. PATENT DOCUMENTS

D482,254	S	*	11/2003	Tsuzuki	.....	D8/68
D486,049	S	*	2/2004	Sugiura	.....	D8/68
D490,677	S	*	6/2004	Chung	.....	D8/68
D496,574	S	*	9/2004	Sakai	.....	D8/68
D526,178	S	*	8/2006	Alias	.....	D8/68
D531,874	S	*	11/2006	Wu	.....	D8/68
D533,419	S	*	12/2006	Aglassinger	.....	D8/68
D534,405	S	*	1/2007	Concari	.....	D8/68
D566,506	S	*	4/2008	Aglassinger	.....	D8/68
D587,545	S	*	3/2009	Hayakawa	.....	D8/68
D587,546	S	*	3/2009	Wright	.....	D8/68
D588,429	S	*	3/2009	Misaki	.....	D8/68
D592,477	S	*	5/2009	Wright	.....	D8/68
D592,927	S	*	5/2009	Wright	.....	D8/68
D593,388	S	*	6/2009	Hayakawa	.....	D8/68
D605,015	S	*	12/2009	Aglassinger	.....	D8/68
D605,484	S	*	12/2009	Aglassinger	.....	D8/68
D605,485	S	*	12/2009	Aglassinger	.....	D8/68
D608,174	S	*	1/2010	Wright	.....	D8/68
D609,543	S	*	2/2010	Misaki	.....	D8/68
D610,424	S	*	2/2010	Wright	.....	D8/68
D628,454	S	*	12/2010	Misaki	.....	D8/68
D645,316	S	*	9/2011	Murray	.....	D8/68
D647,774	S	*	11/2011	Okuda	.....	D8/68
D674,677	S	*	1/2013	Tirone	.....	D8/68
2006/0291966	A1	*	12/2006	Klemm	.....	B23B 45/008 408/124
2010/0026107	A1	*	2/2010	Hosokawa	.....	B25F 5/008 310/50

\* cited by examiner

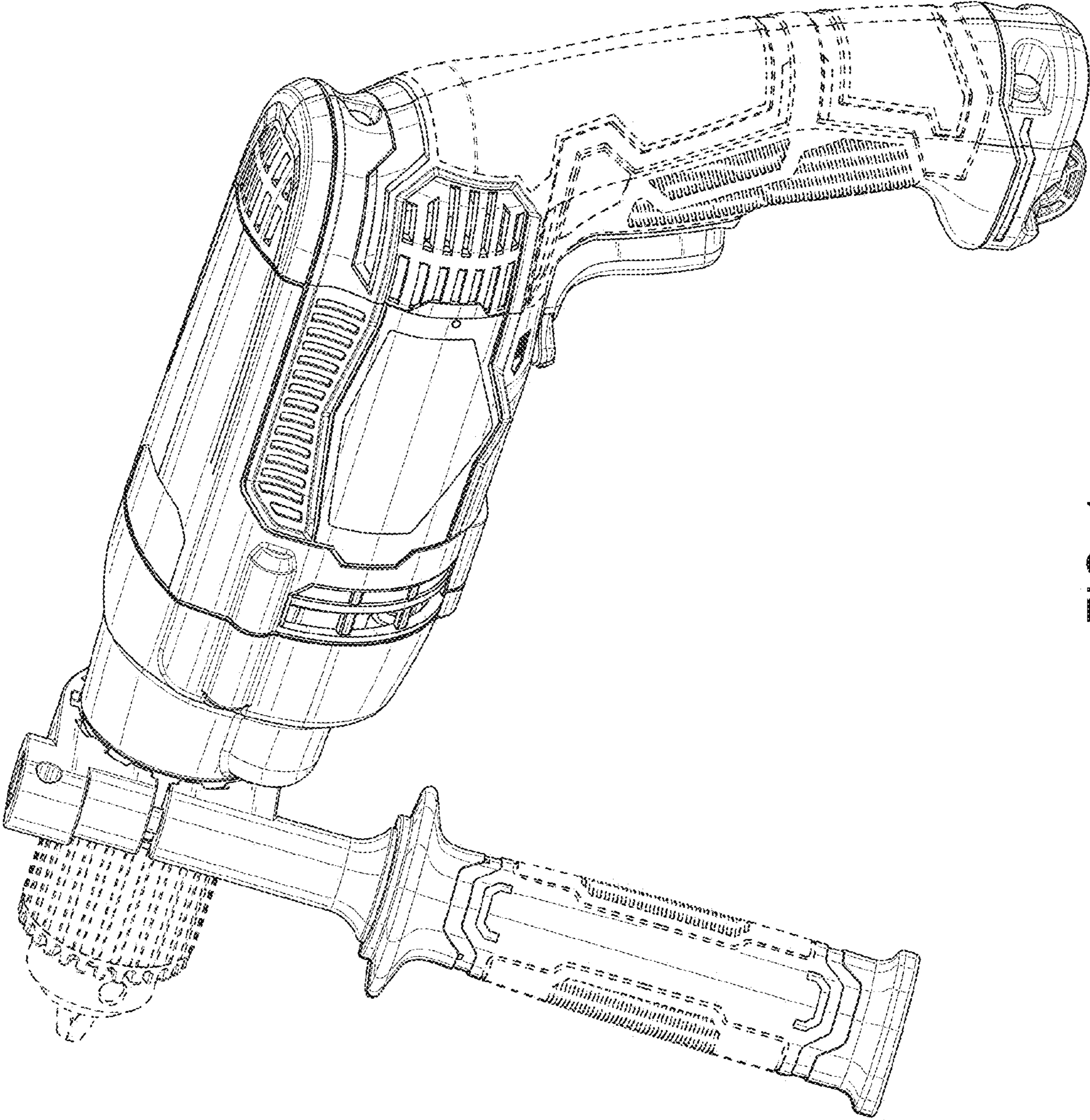


FIG. 1

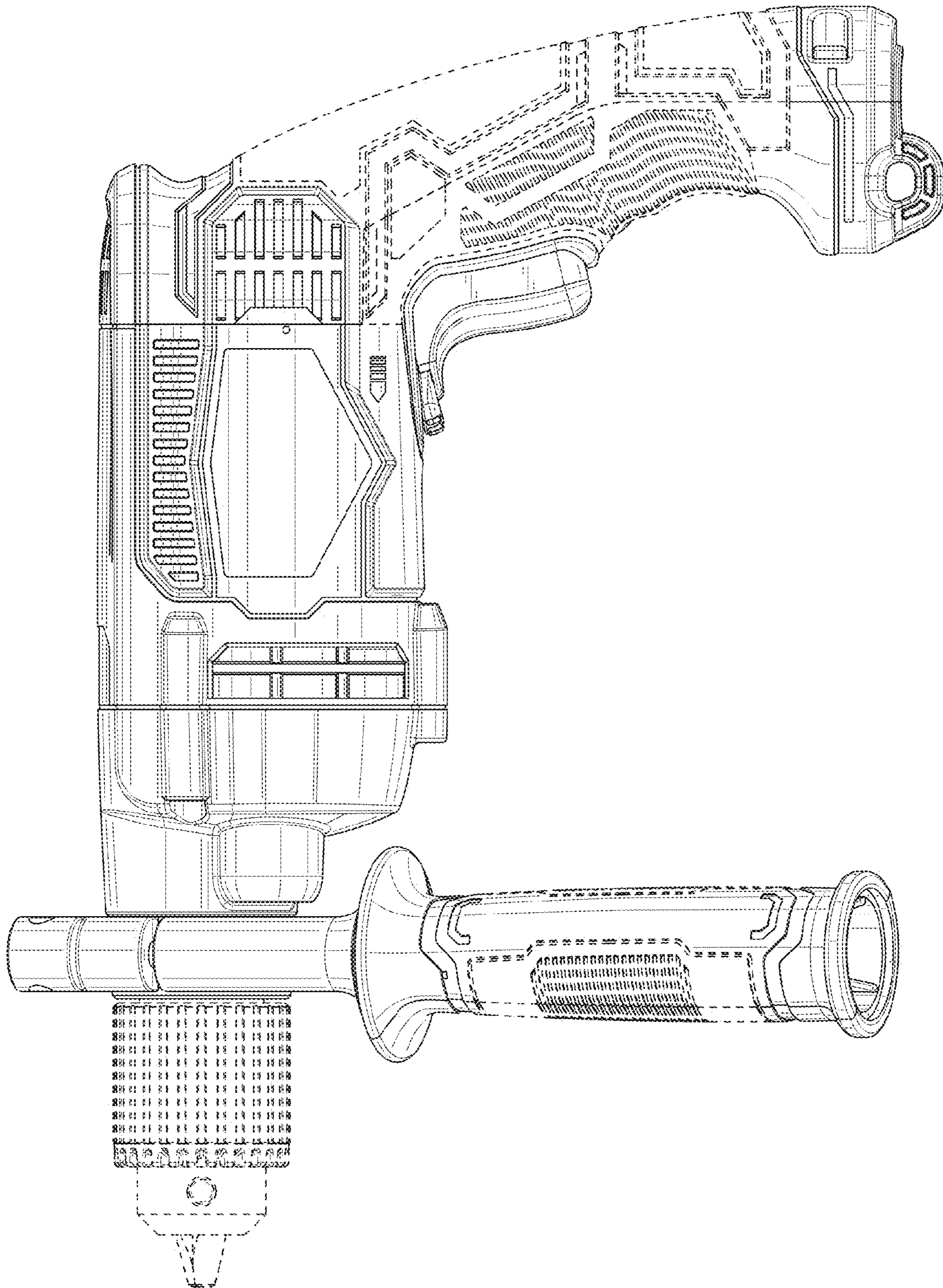


FIG. 2

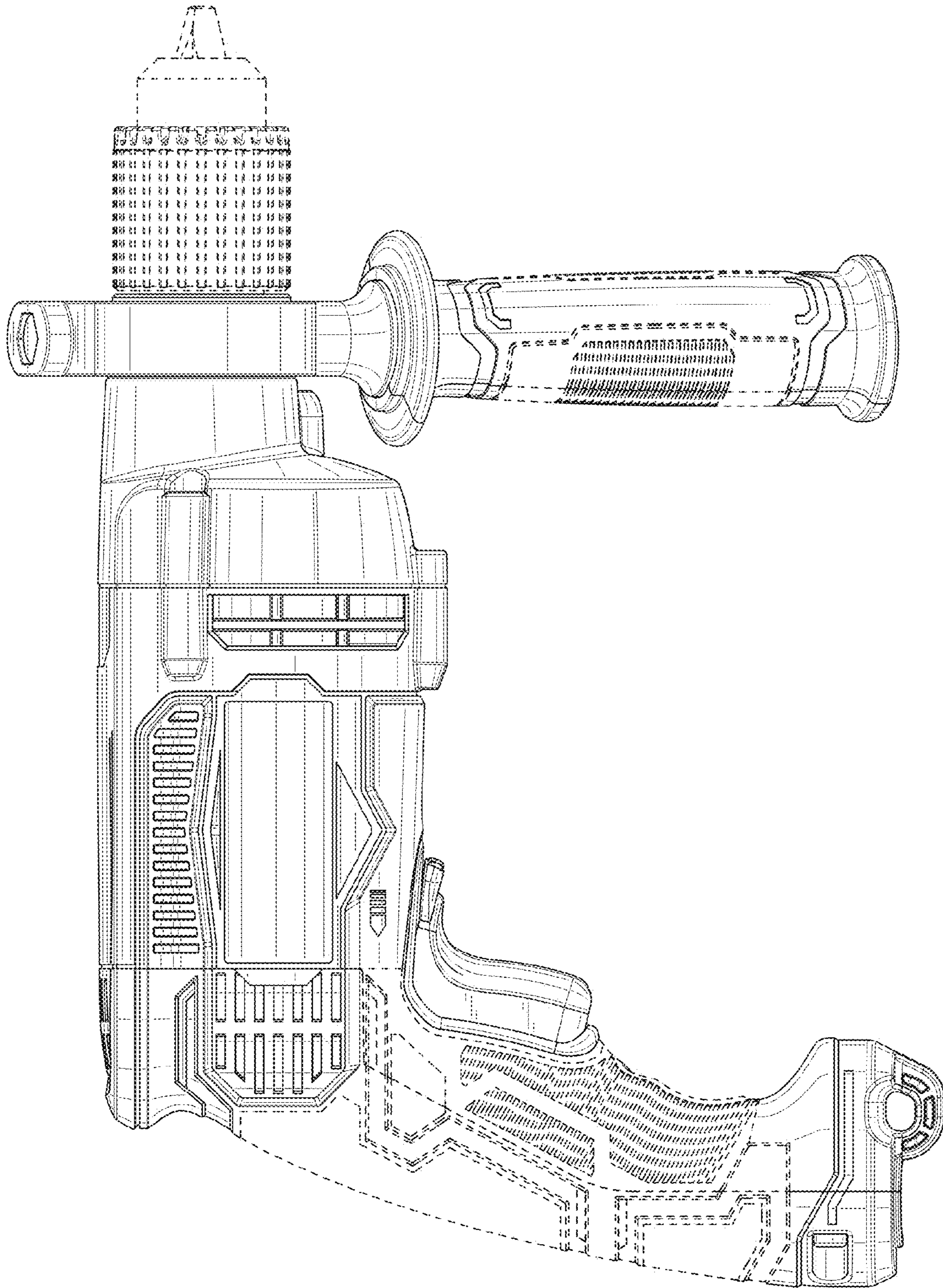


FIG. 3

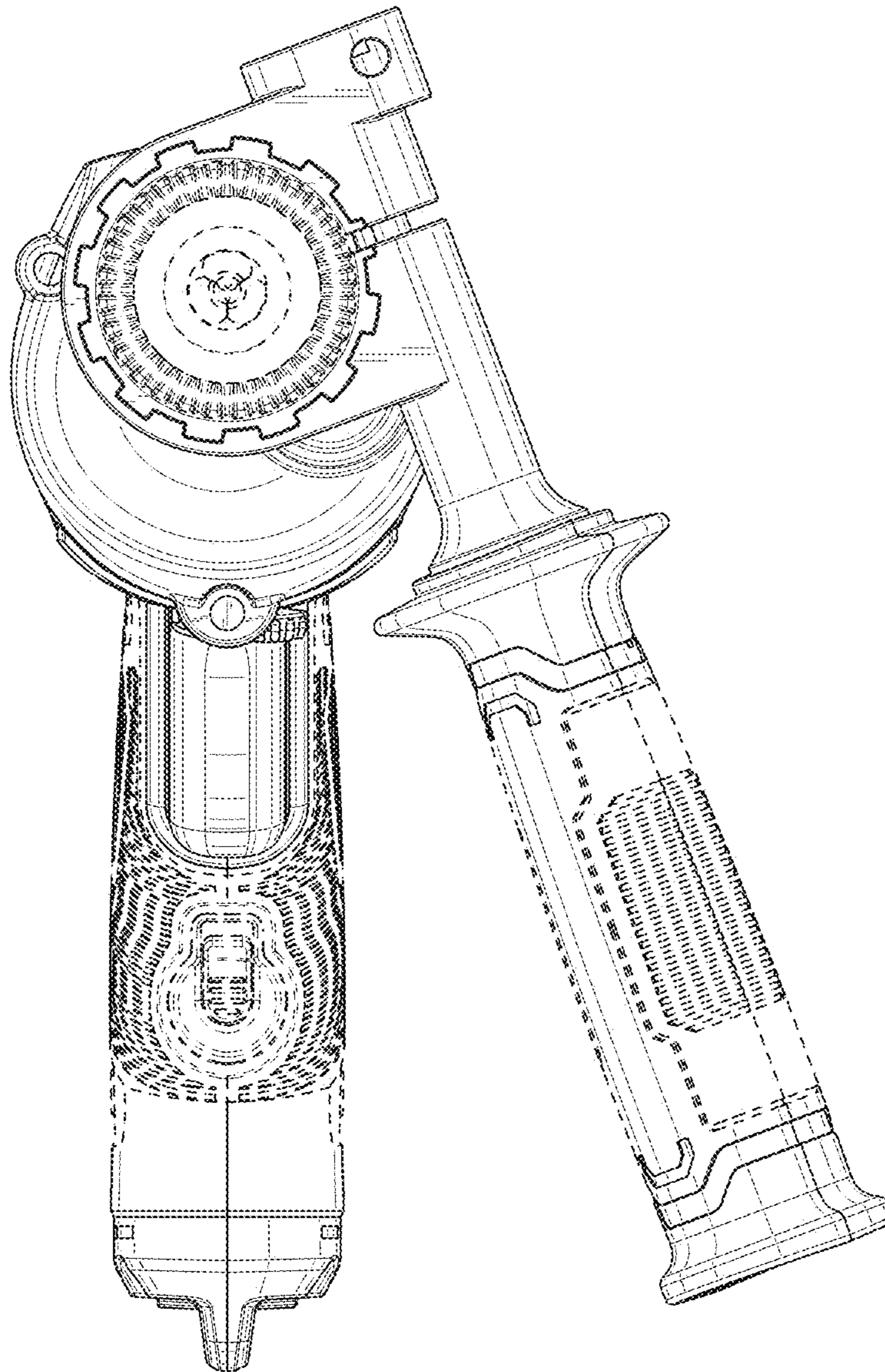


FIG. 4

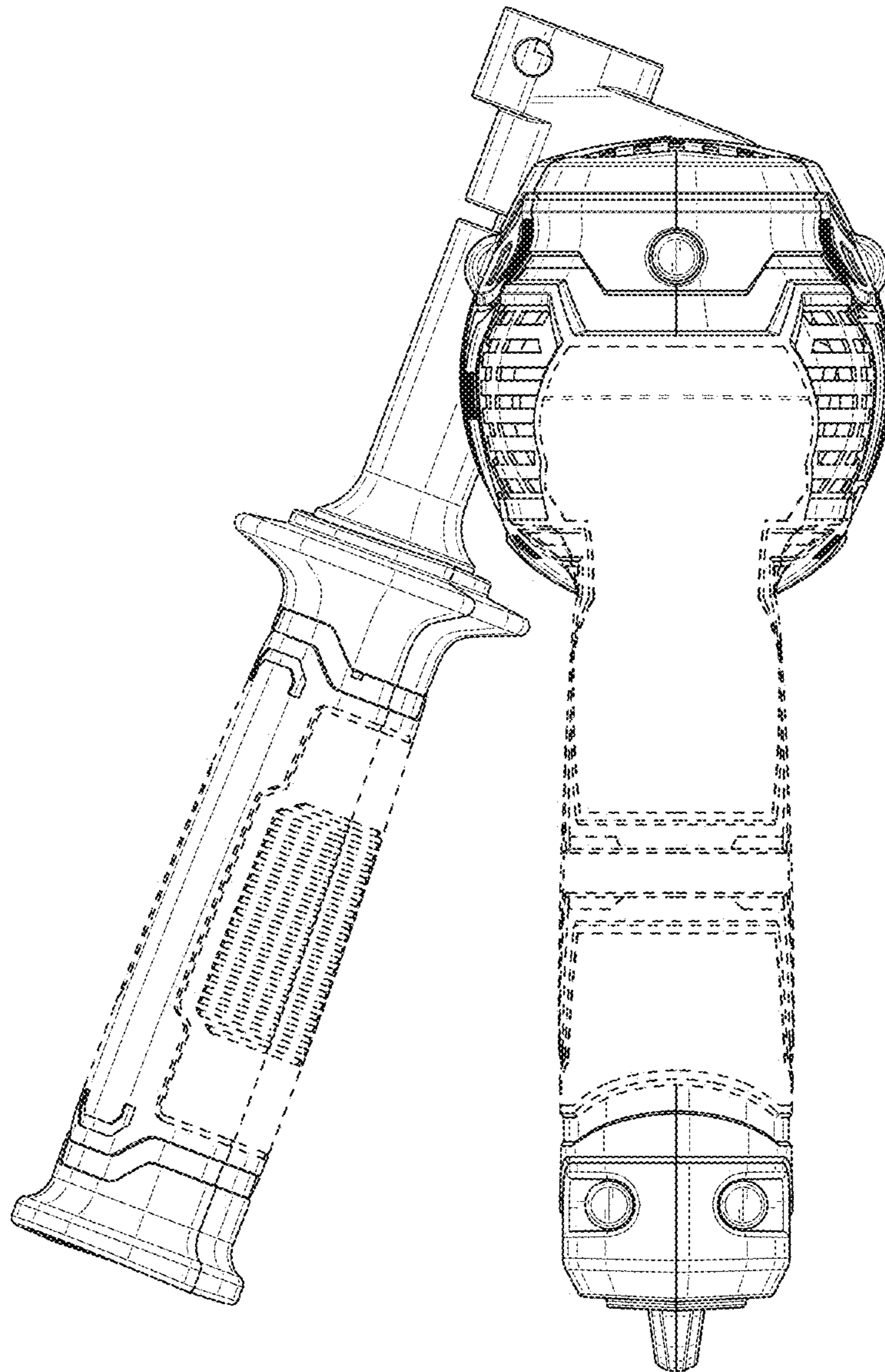


FIG. 5

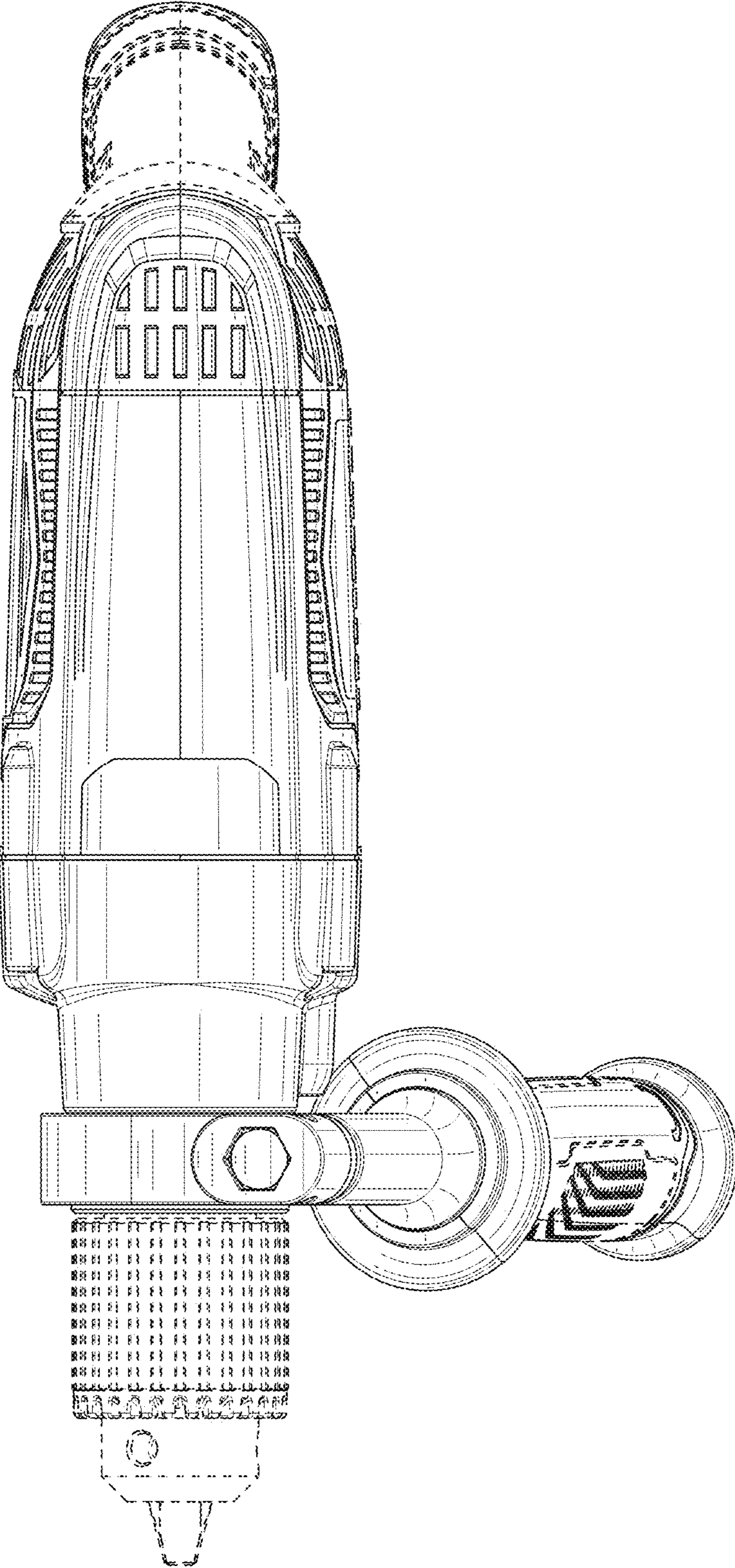


FIG. 6



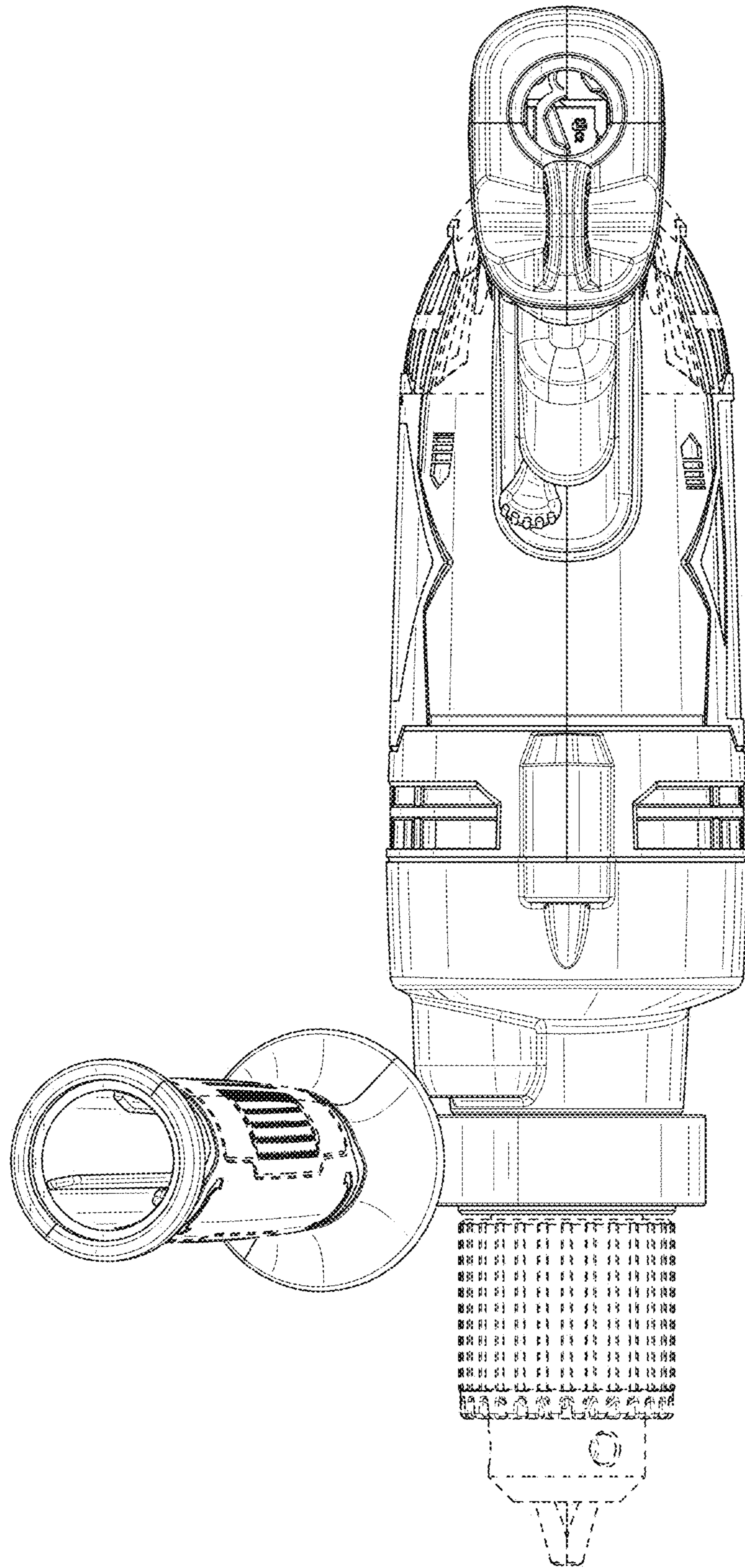


FIG. 7