



(12) **United States Design Patent** (10) **Patent No.:** **US D502,376 S**
Andriolo (45) **Date of Patent:** **** Mar. 1, 2005**

(54) **IMPACT DRILL**

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

(21) Appl. No.: **29/201,813**

(22) Filed: **Mar. 19, 2004**

(30) **Foreign Application Priority Data**

Sep. 29, 2003 (CN) 03 3 68164

(51) **LOC (7) Cl.** **08-01**

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

(58) **Field of Search** D8/14.1, 61, 62, D8/63, 64, 65, 66, 67, 68, 69, 70; 81/57.11, 429, 464, 465, 466, 469, 489; 173/13, 169, 171, 178, 213, 217; 227/8, 114, 120, 130, 136, 142; 310/50; 408/20, 124, 125, 234, 241 R; 451/358, 359

(56) **References Cited**

U.S. PATENT DOCUMENTS

D280,797 S * 10/1985 Sakamoto et al. D8/68
D316,021 S * 4/1991 Bunyea D8/68
5,056,607 A * 10/1991 Sanders 173/217
5,089,729 A * 2/1992 Moores, Jr. 310/50
D396,395 S * 7/1998 Zurwelle D8/68
D403,565 S * 1/1999 Chung D8/68
D406,742 S * 3/1999 Schoen et al. D8/68
6,155,916 A * 12/2000 Rudolf et al. 451/358
D439,123 S * 3/2001 Sakai et al. D8/68
D441,268 S * 5/2001 Heun D8/68
6,240,816 B1 * 6/2001 Riedl et al. 81/429

D466,386 S * 12/2002 Zurwelle D8/68
D466,779 S * 12/2002 Shibata et al. D8/68
D470,379 S * 2/2003 Andriolo D8/68
D470,737 S * 2/2003 Chunn et al. D8/68
6,536,537 B1 * 3/2003 Sasaki et al. 173/178
D482,254 S * 11/2003 Tsuzuki et al. D8/68
D486,049 S * 2/2004 Sugiura et al. D8/68
D488,978 S * 4/2004 Cheung D8/68
D490,677 S * 6/2004 Chung et al. D8/68
2003/0146008 A1 * 8/2003 Andriolo 173/217

* cited by examiner

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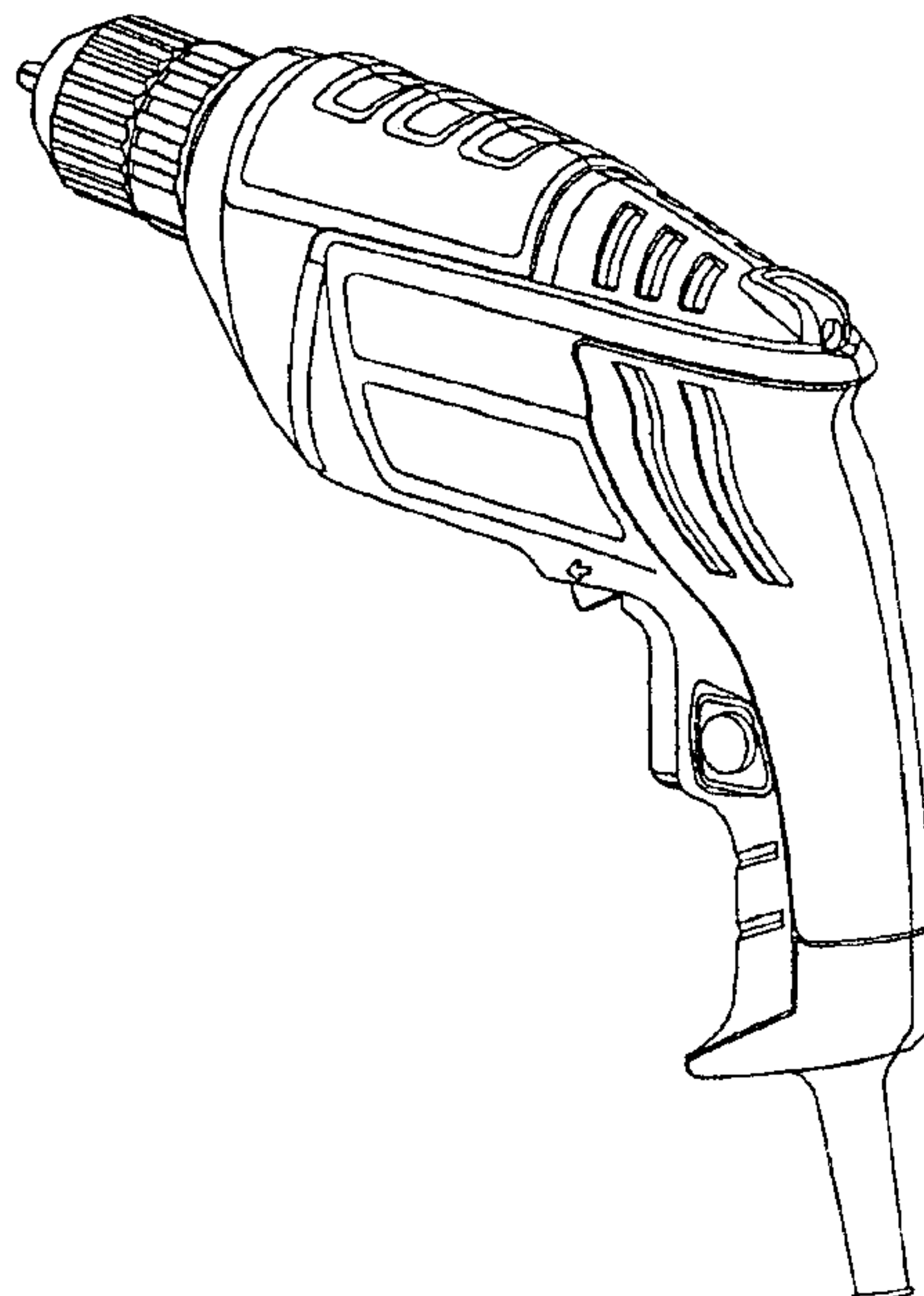
(57) **CLAIM**

The ornamental design for the impact drill, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of an impact drill in accordance with the present invention;
FIG. 2 is a front view of the impact drill in accordance with the present invention;
FIG. 3 is a rear view of the impact drill in accordance with the present invention;
FIG. 4 is a top view of the impact drill in accordance with the present invention;
FIG. 5 is a bottom view of the impact drill in accordance with the present invention;
FIG. 6 is a right side view of the impact drill in accordance with the present invention; and,
FIG. 7 is a left side view of the impact drill in accordance with the present invention.

1 Claim, 6 Drawing Sheets



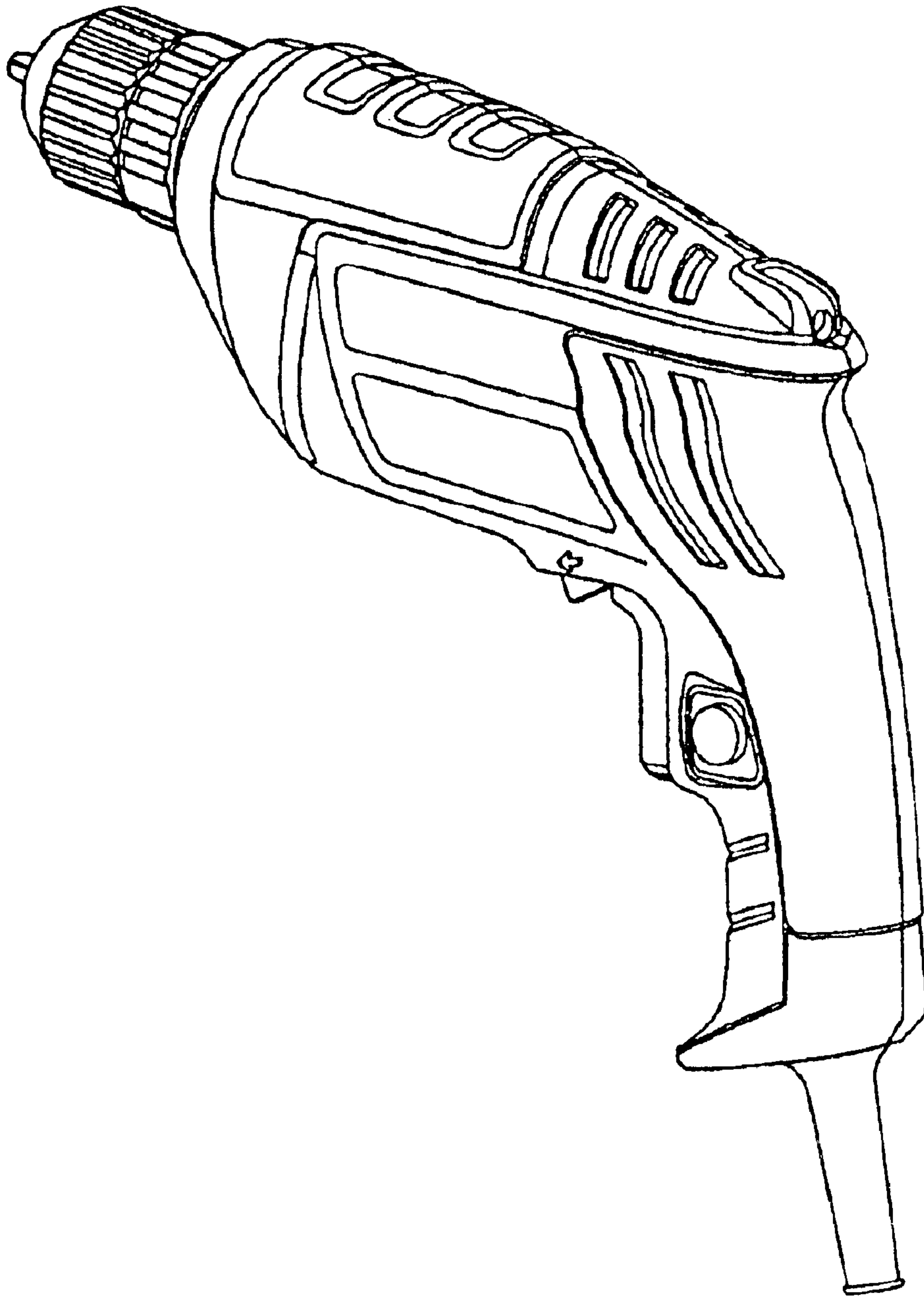


FIG. 1

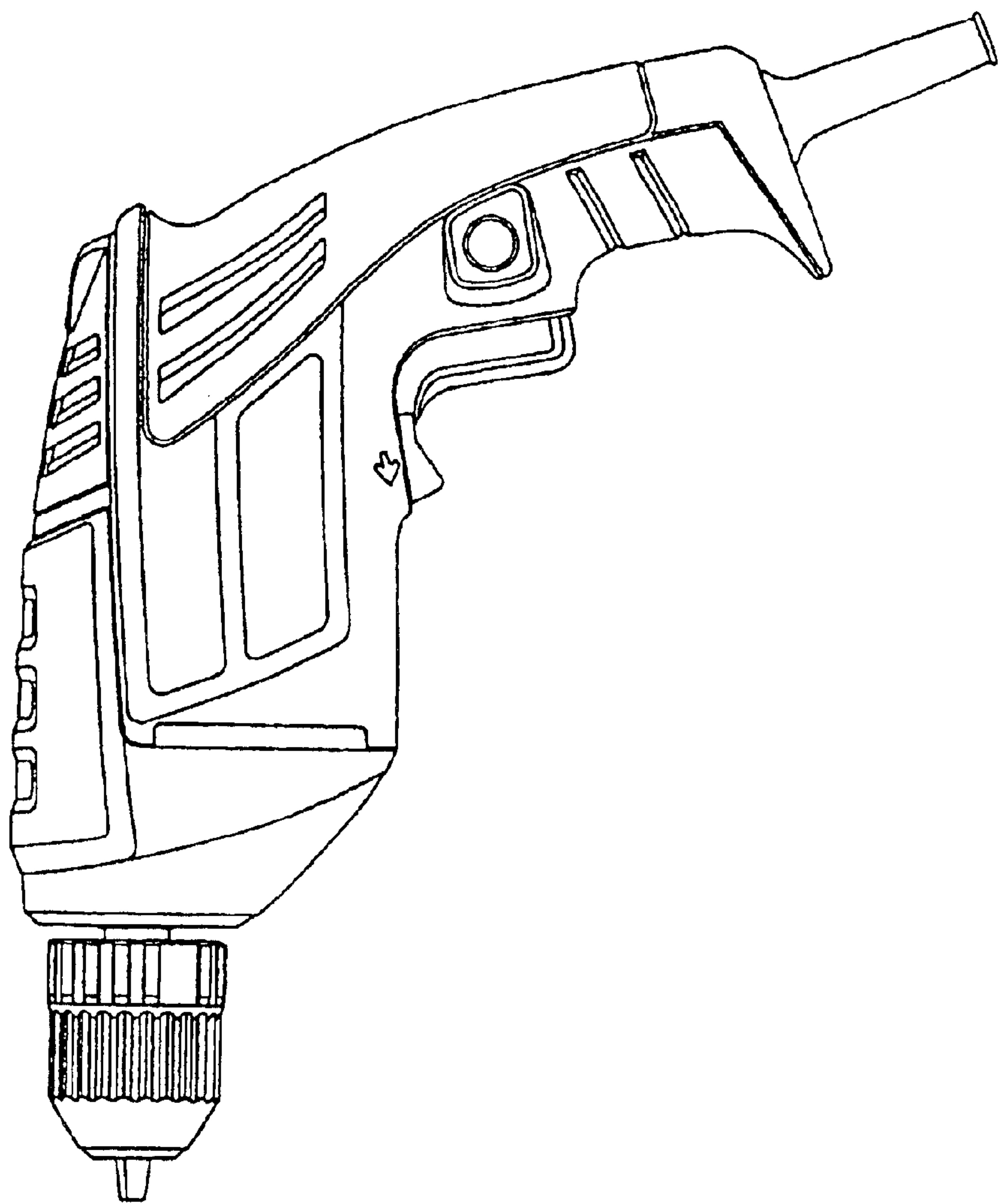


FIG. 2

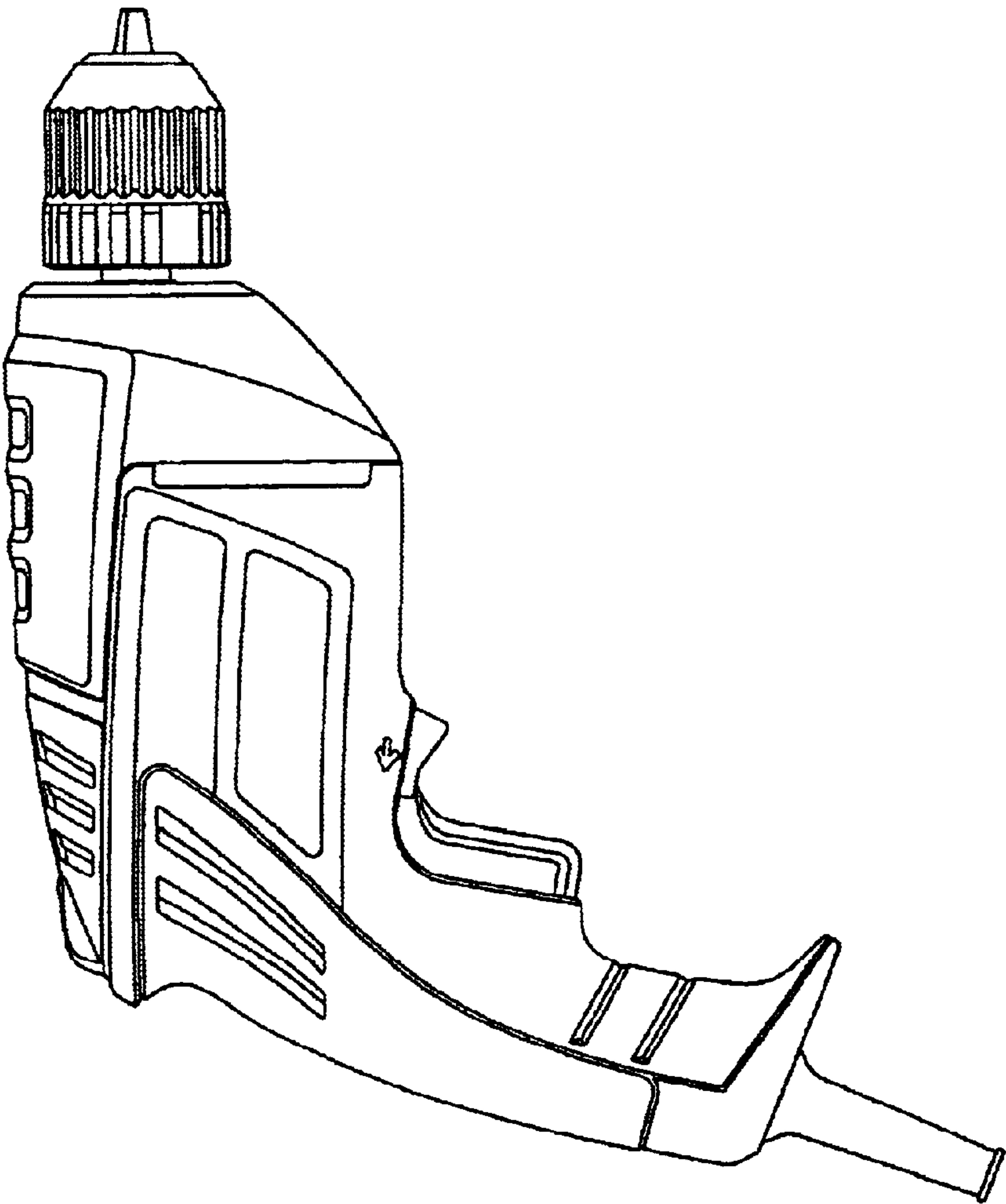


FIG. 3

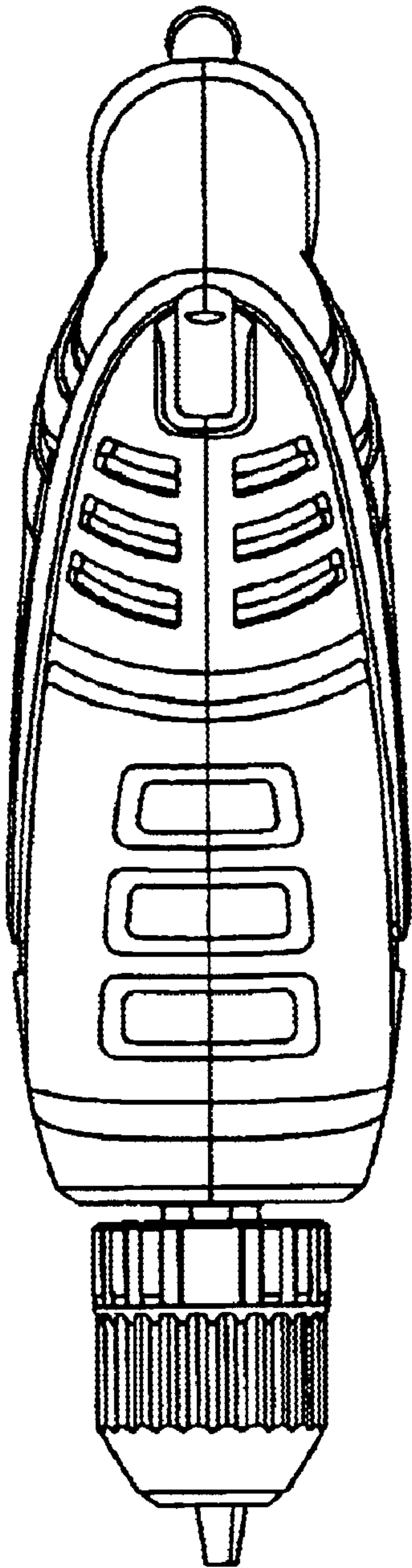


FIG. 4

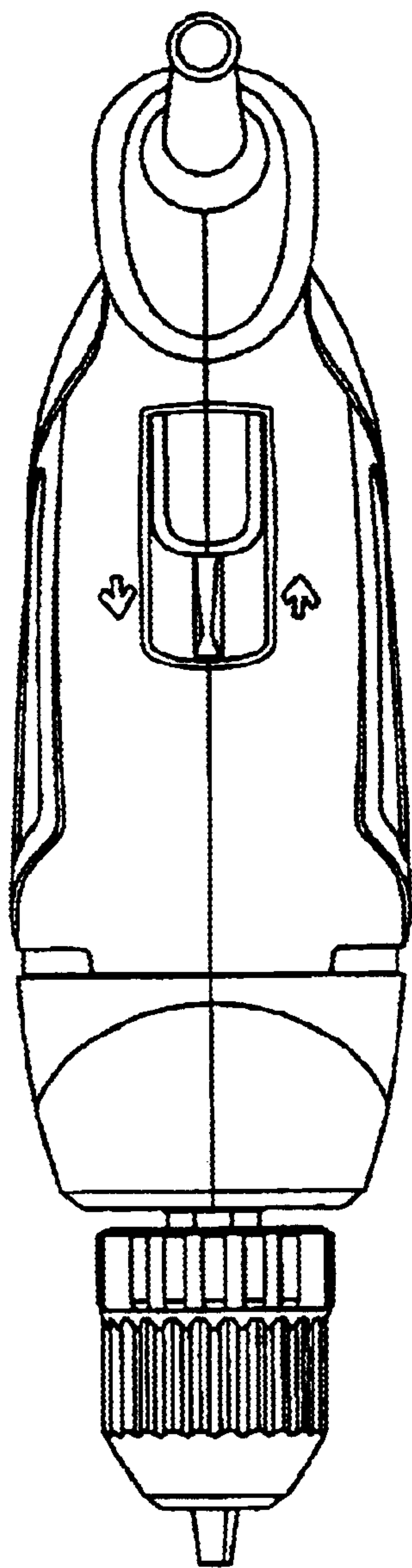


FIG. 5

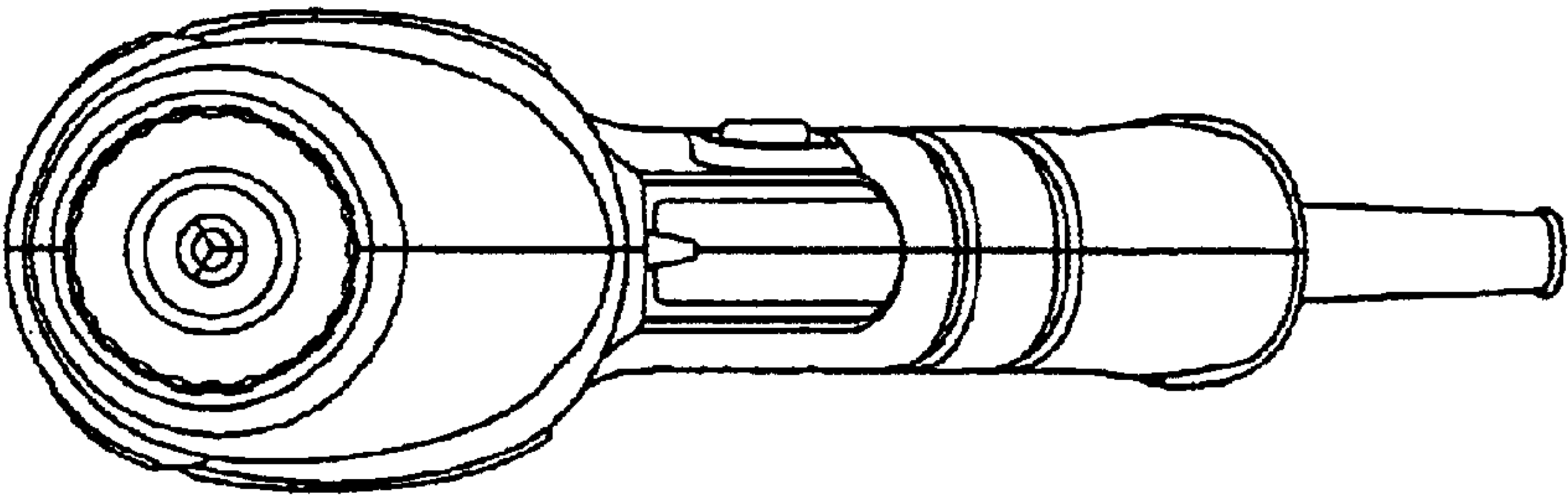


FIG. 7

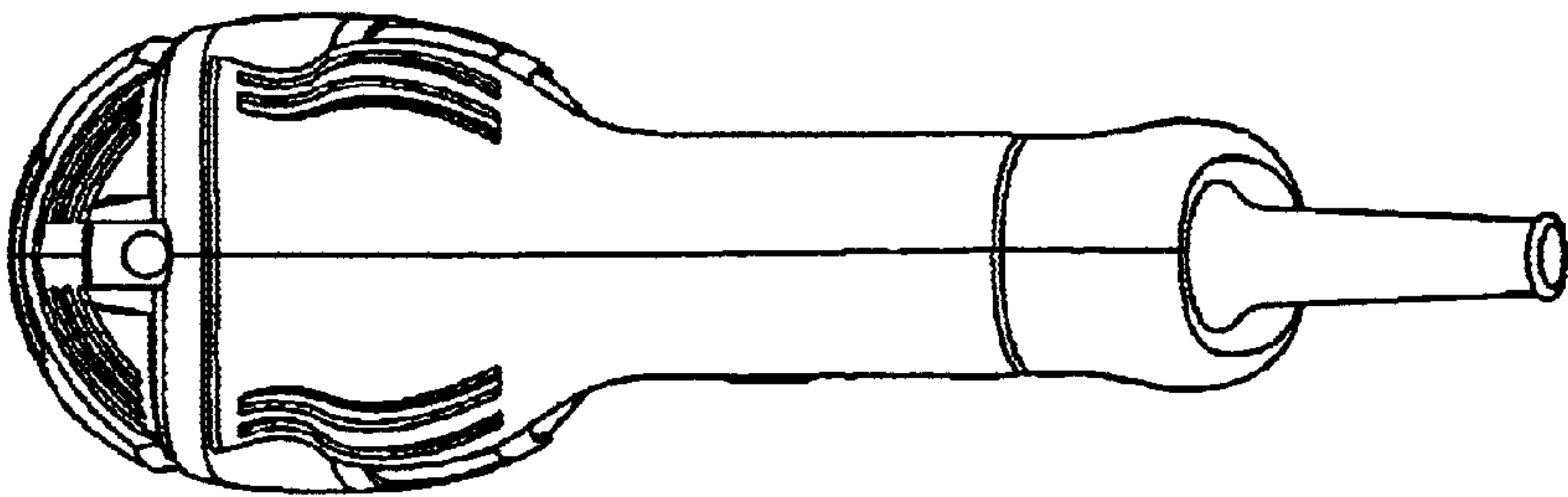


FIG. 6