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

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(45) **Date of Patent:** **\*\* Sep. 4, 2001**

- (54) **DRILL HEAD**
- (75) Inventor: **Sion Netzler**, Newton Aycliffe (GB)
- (73) Assignee: **Black & Decker Inc.**, Newark, DE (US)
- (\*\*) Term: **14 Years**
- (21) Appl. No.: **29/131,183**
- (22) Filed: **Oct. 16, 2000**
- (51) **LOC (7) Cl.** ..... **08-01**
- (52) **U.S. Cl.** ..... **D8/70; D8/61**
- (58) **Field of Search** ..... **D8/61-70; 81/57.11, 81/54, 57.42; 173/170, 217, 169, 216, 213, 164, 163; 451/357-359, 344, 356; 310/50; 279/62**

4,949,463	*	8/1990	Chen	.....	30/500
5,033,552	*	7/1991	Hu	.....	173/217
5,511,912	*	4/1996	Ellerbrock	.....	408/20
5,624,000	*	4/1997	Miller	.....	173/216
5,643,062	*	7/1997	Joseph et al.	.....	451/355
6,153,838	*	11/2000	Wadge	.....	310/50 X
6,170,579	*	1/2001	Wadge	.....	173/216
6,176,322	*	1/2001	Wadge	.....	173/217
6,181,032	*	1/2001	Marshall et al.	.....	307/150
6,206,107	*	3/2001	Wadge	.....	173/217

\* cited by examiner

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(57) **CLAIM**

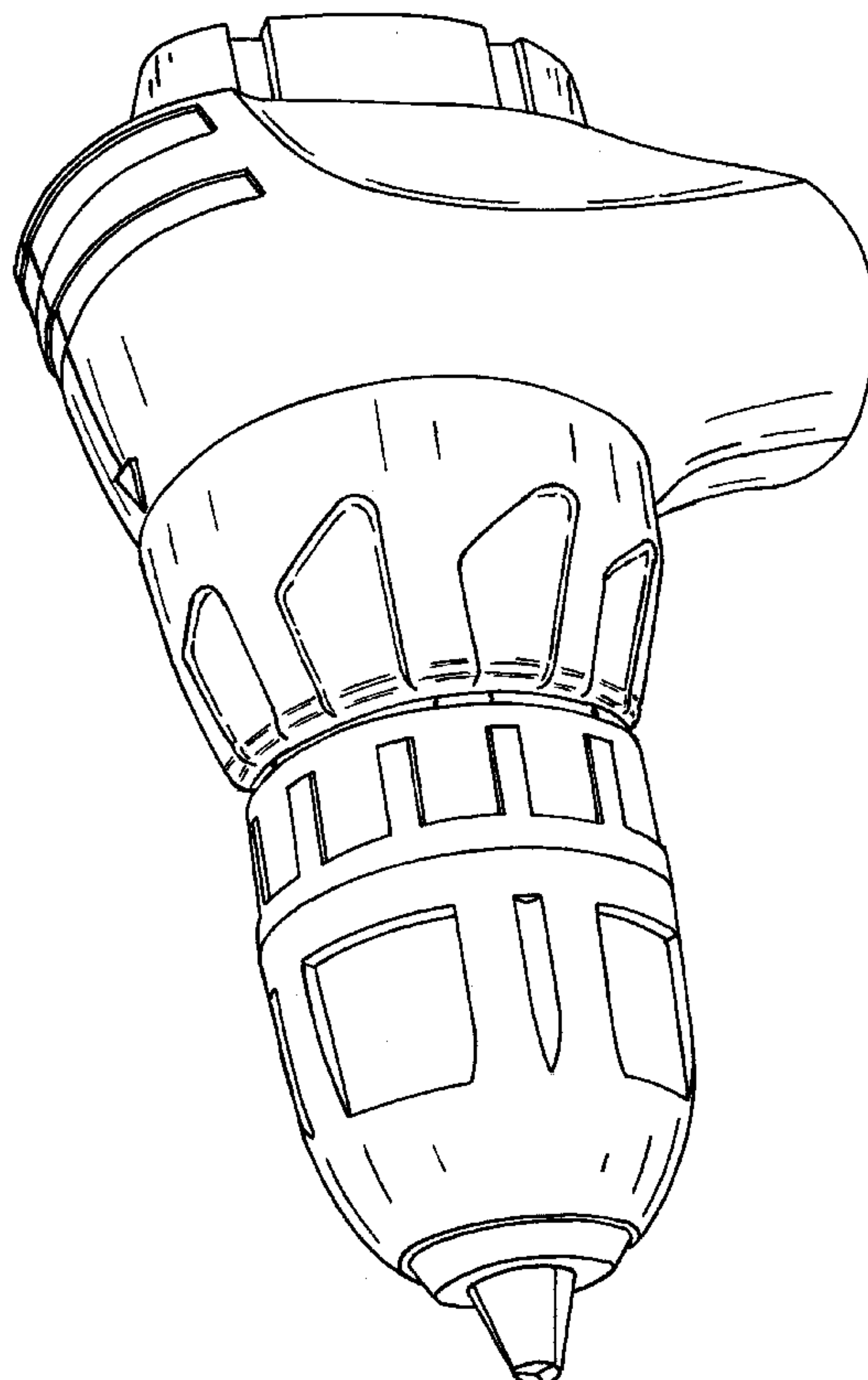
The ornamental design for a drill head, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of a drill head showing my new design.  
 FIG. 2 is a left side elevational view thereof.  
 FIG. 3 is a right side elevational view thereof.  
 FIG. 4 is a top plan view thereof.  
 FIG. 5 is a bottom plan view thereof.  
 FIG. 6 is a front elevational view thereof; and,  
 FIG. 7 is a rear elevational view thereof.

**1 Claim, 4 Drawing Sheets**

- (56) **References Cited**
- U.S. PATENT DOCUMENTS**
- D. 92,590 \* 6/1934 Decker ..... D8/69
- D. 165,415 \* 12/1951 Davis ..... D8/69
- D. 237,455 \* 11/1975 Schann ..... D8/69
- D. 404,629 \* 1/1999 Cooper ..... D8/70
- D. 413,244 \* 8/1999 Robson ..... D8/69
- D. 420,267 \* 2/2000 Robson ..... D8/61
- D. 423,315 \* 4/2000 Robson ..... D8/70
- 3,550,280 \* 12/1970 Palm ..... 30/217
- 4,924,578 \* 5/1990 Chagnon et al. .... 30/500



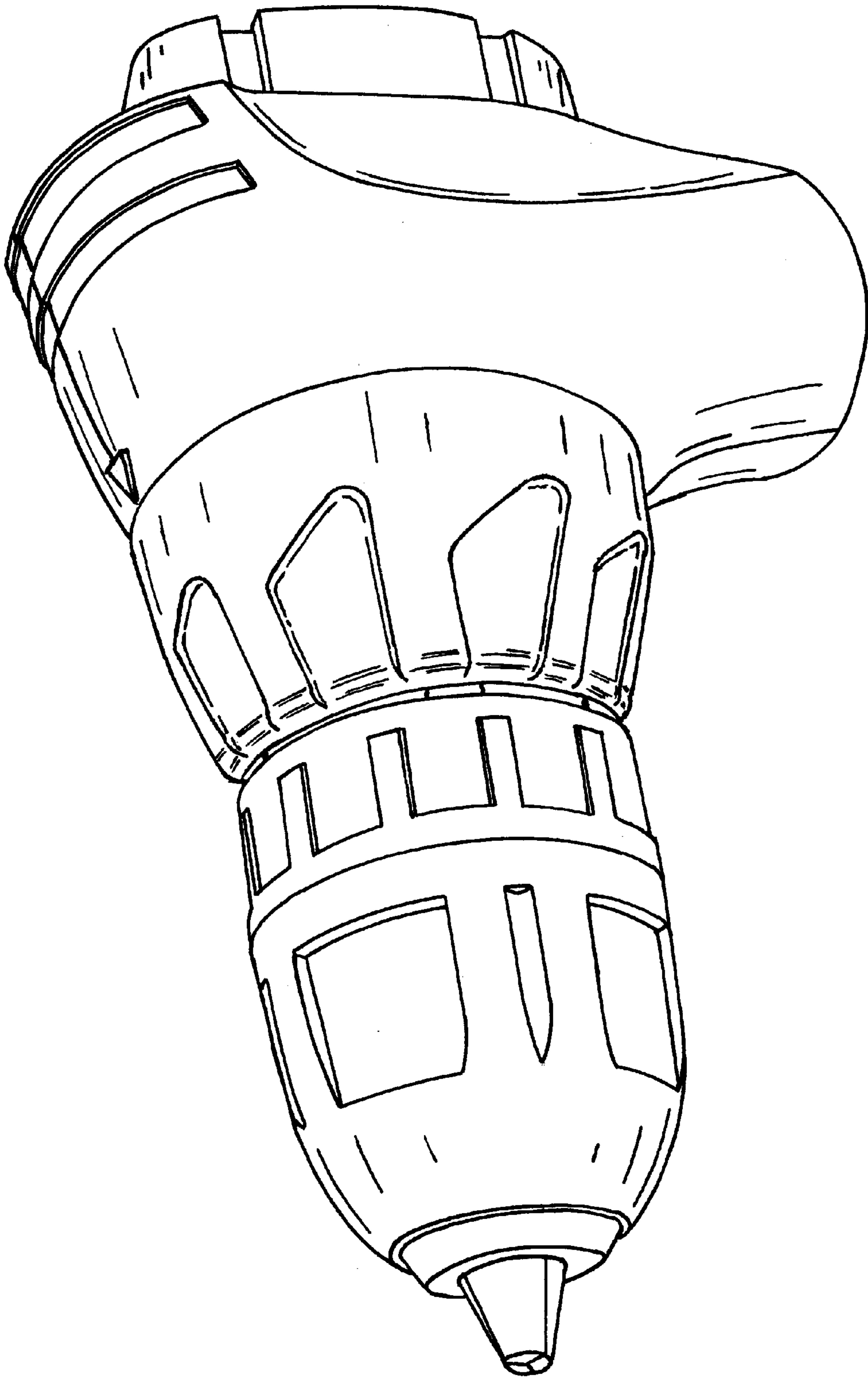


FIG. 1

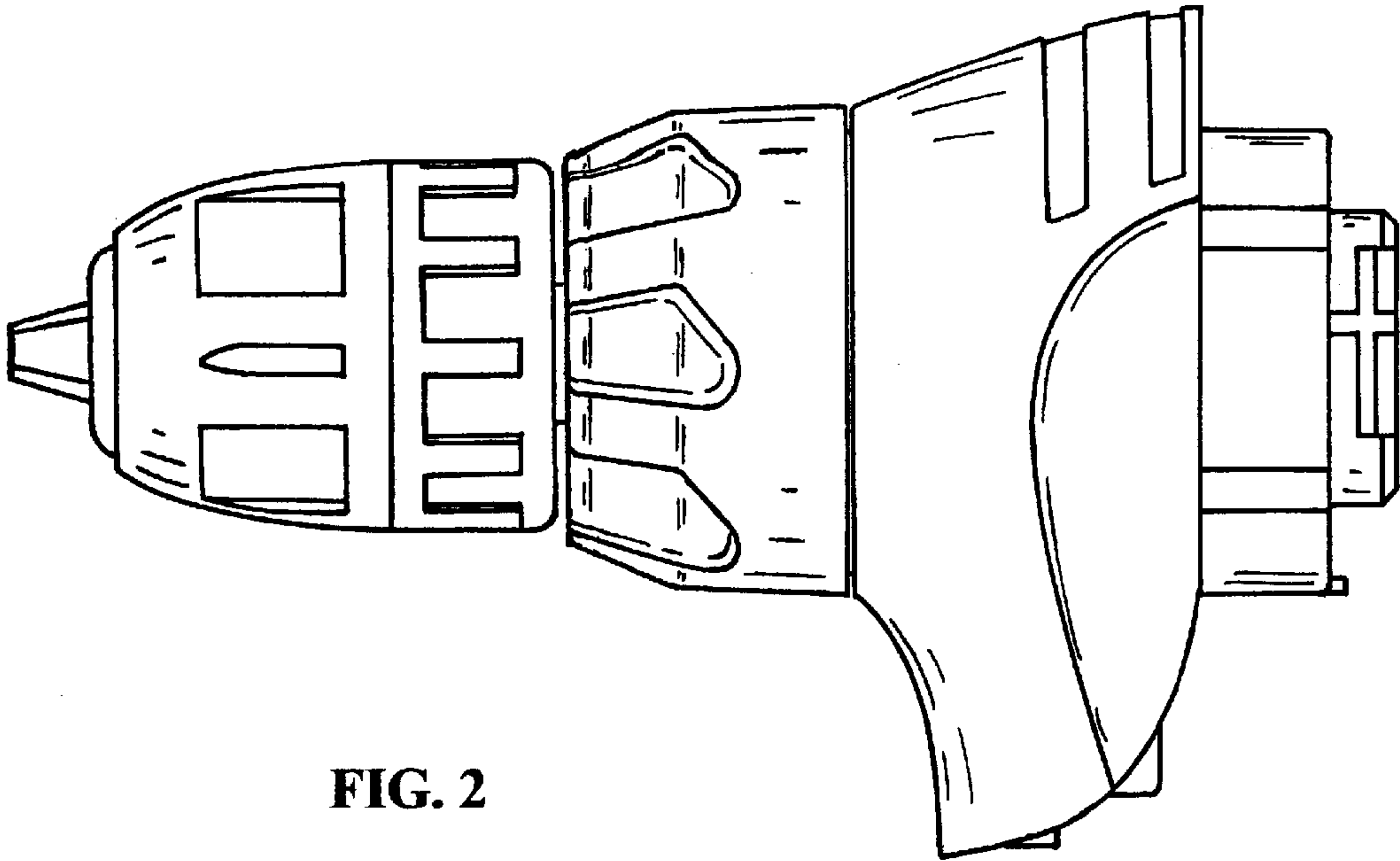


FIG. 2

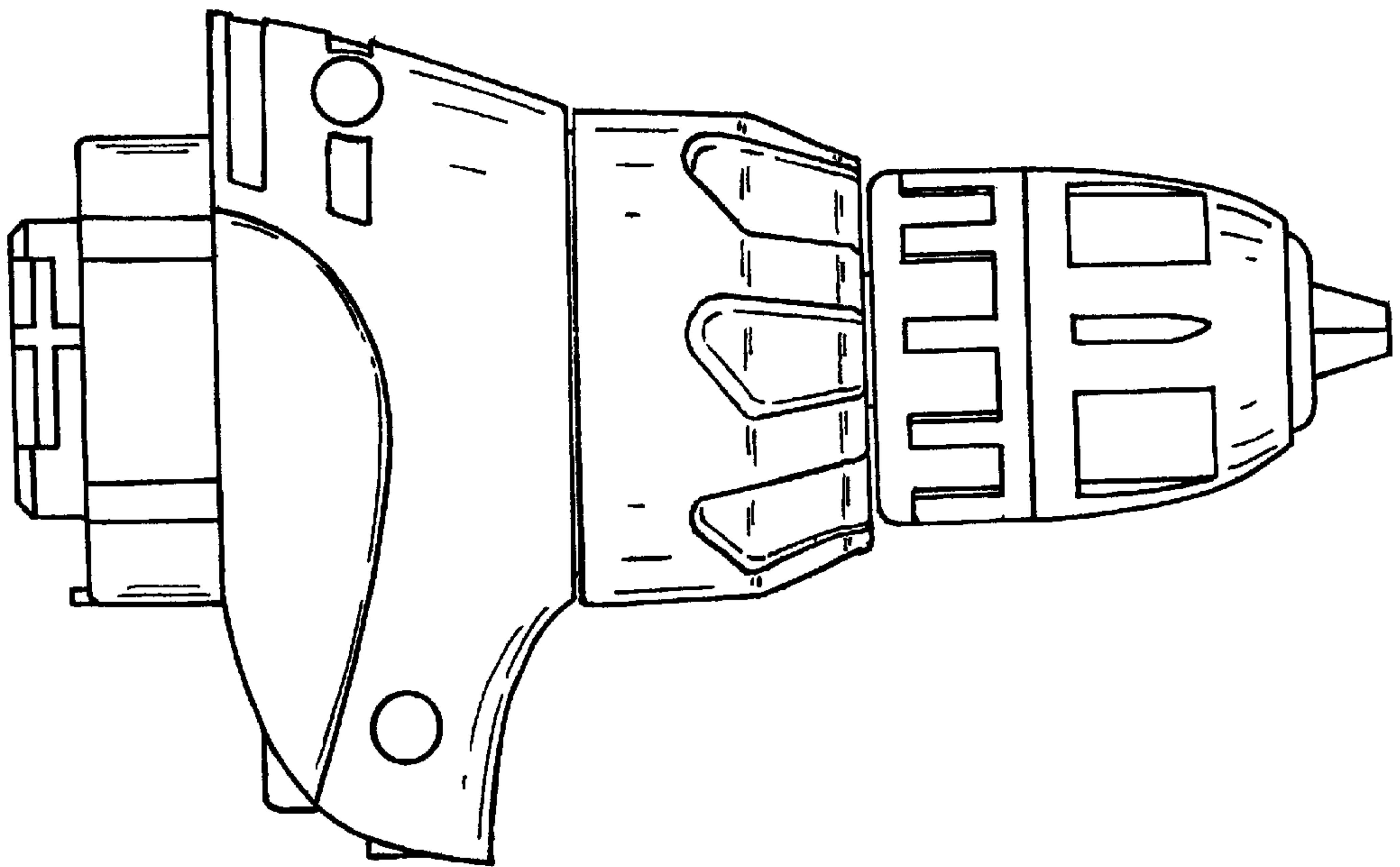


FIG. 3

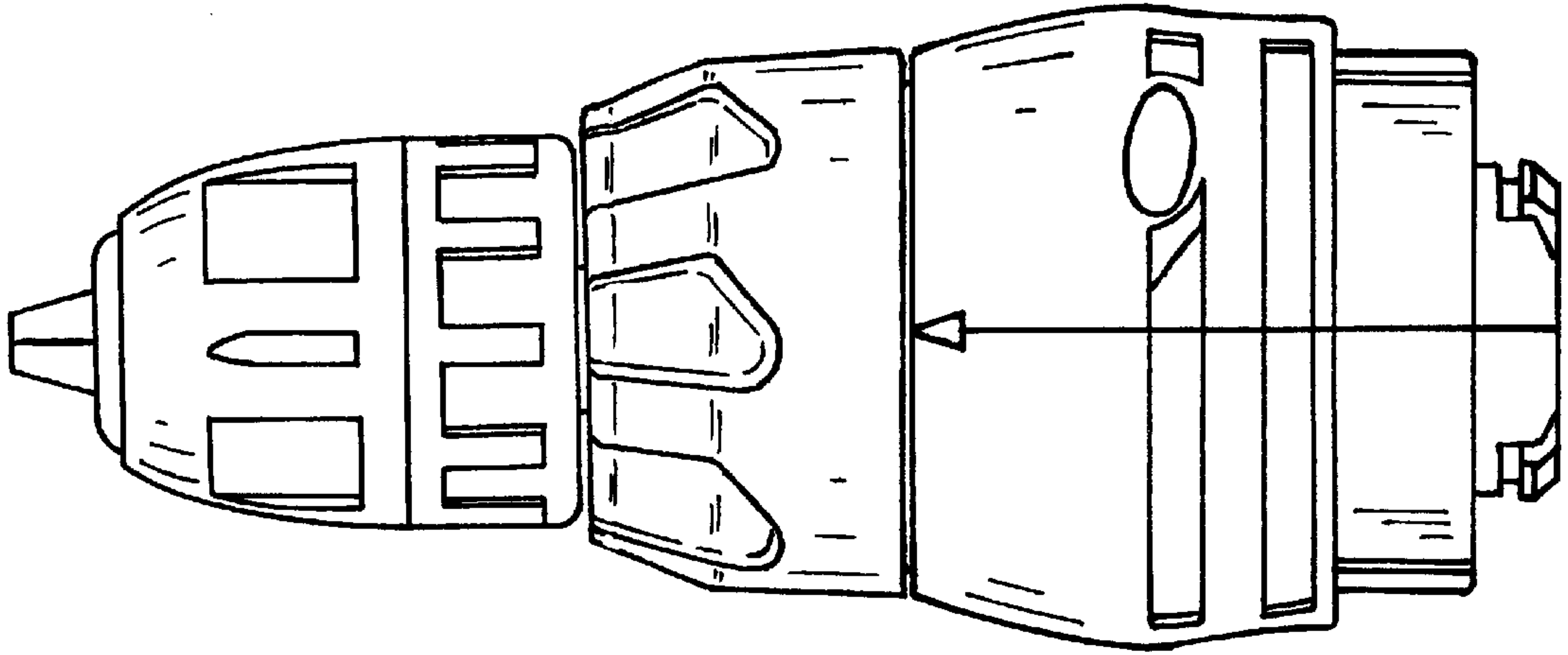


FIG. 4

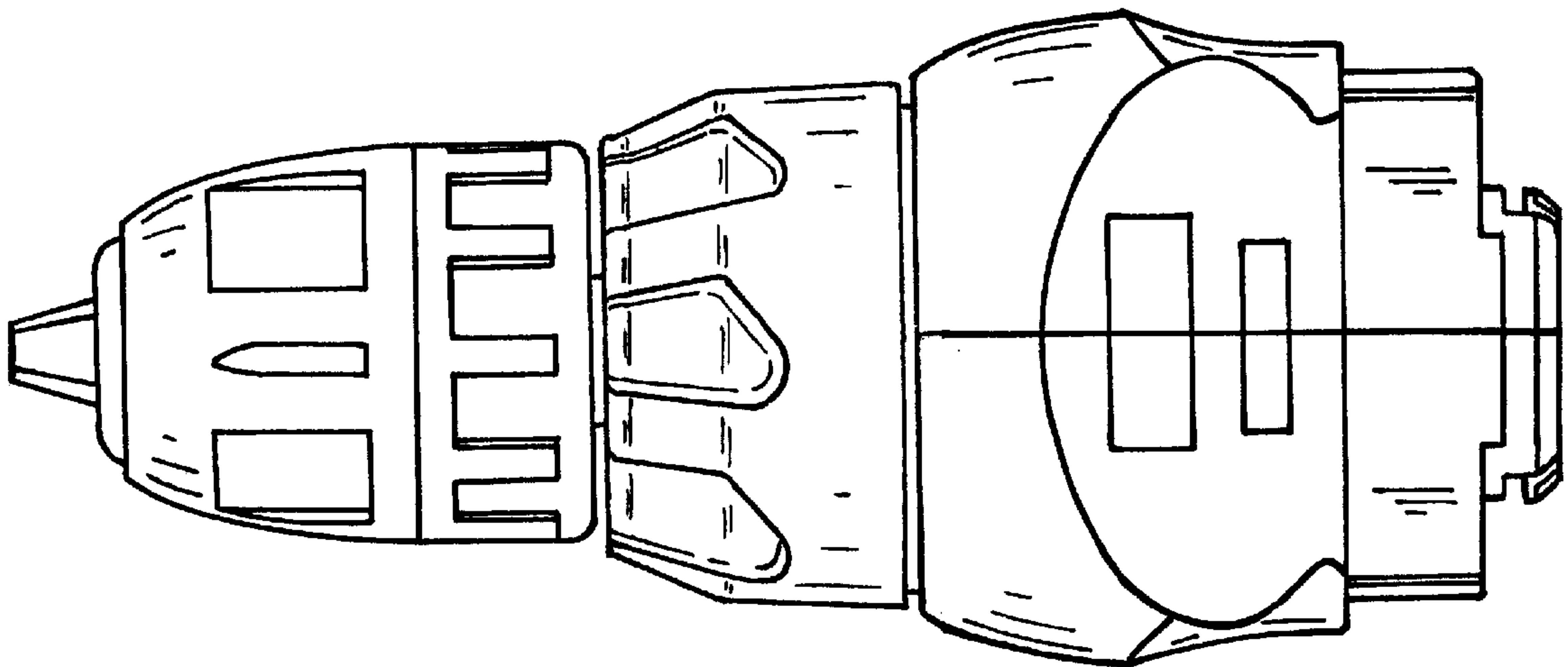


FIG. 5

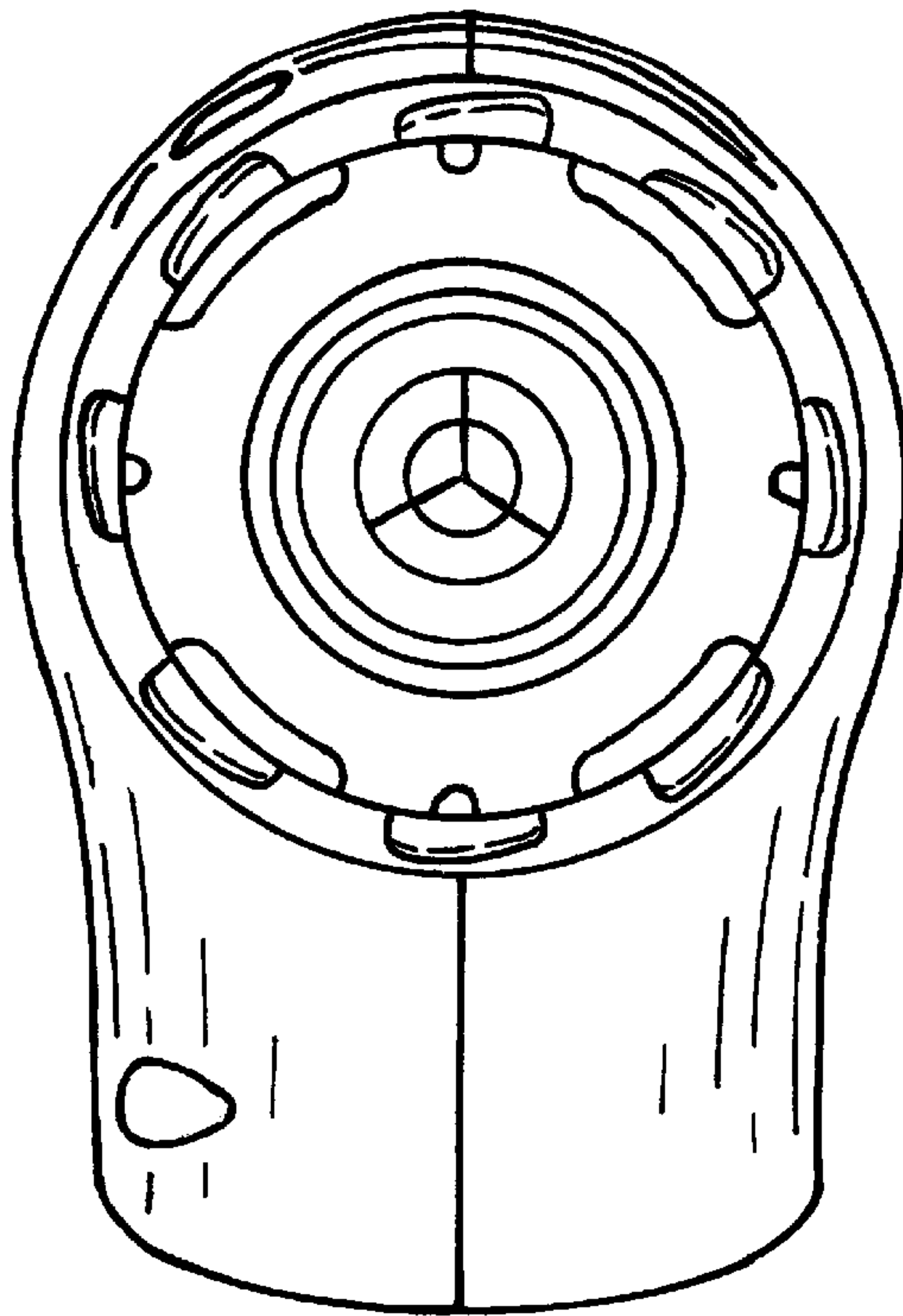


FIG. 6

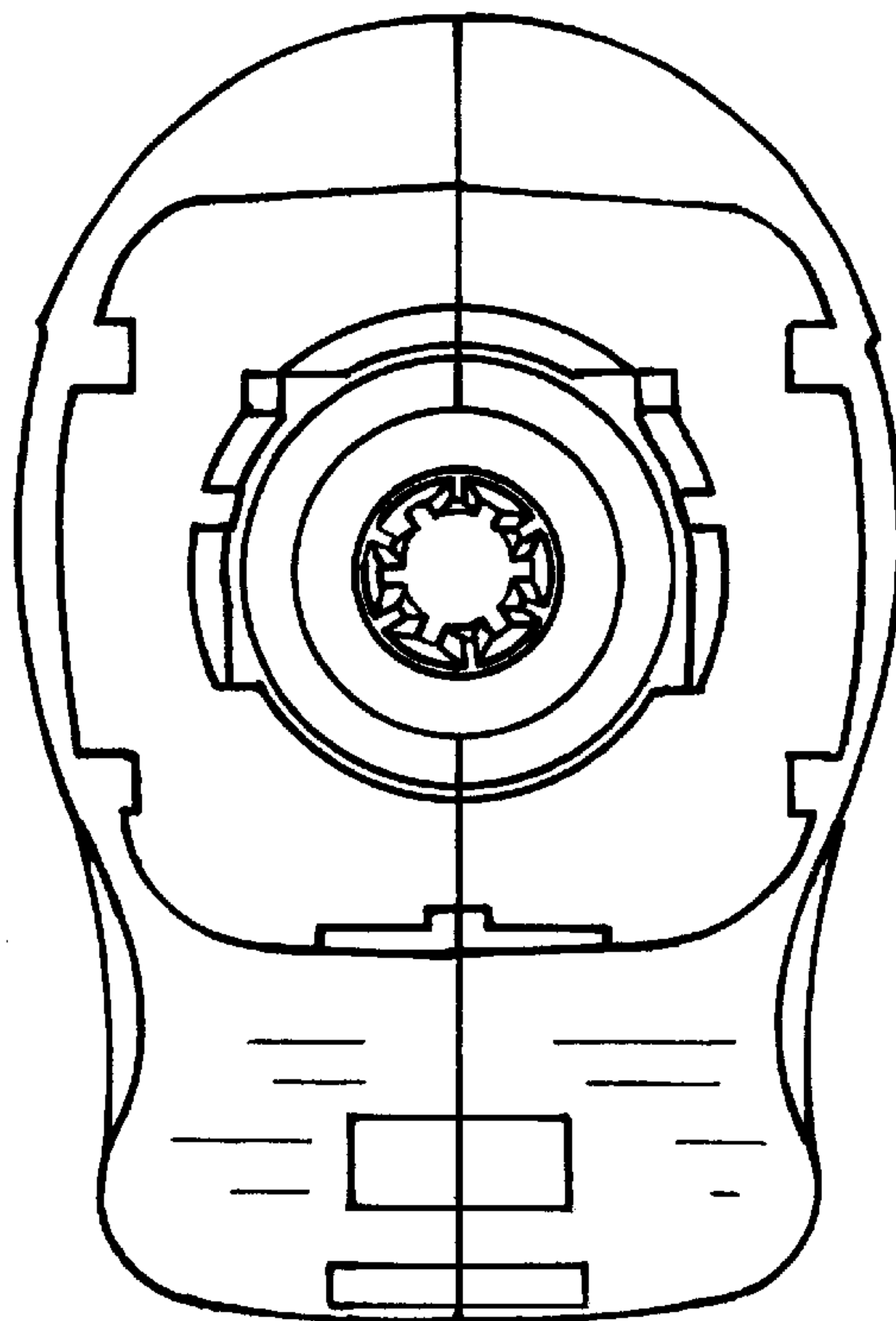


FIG. 7