



US00D532271S

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

(10) **Patent No.:** **US D532,271 S**

(45) **Date of Patent:** **** Nov. 21, 2006**

(54) **DRILL CHUCK**

(75) Inventor: **Theodore G. Yaksich**, Seneca, SC (US)

(73) Assignee: **Jacobs Chuck Manufacturing Company**, Clemson, SC (US)

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

(21) Appl. No.: **29/240,934**

(22) Filed: **Oct. 20, 2005**

(51) **LOC (8) Cl.** **08-01**

(52) **U.S. Cl.** **D8/70; D15/138**

(58) **Field of Classification Search** D8/61,
D8/62, 63, 64, 65, 66, 67, 68, 69, 70, 71;
279/60, 61, 62, 63, 64, 65, 66, 157, 901,
279/902; 408/56, 240; D15/132, 133, 138,
D15/139, 140

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,927,892	A	*	12/1975	Pradota	.....	279/62
5,476,273	A		12/1995	Shadeck et al.	.....	279/60
D392,654	S	*	3/1998	Stratford et al.	.....	D8/70
D403,222	S	*	12/1998	Lui	.....	D8/70
D404,629	S	*	1/1999	Cooper	.....	D8/70
D409,210	S	*	5/1999	Cooper	.....	D15/140
5,913,524	A	*	6/1999	Barton	.....	279/902
5,944,328	A	*	8/1999	Lin et al.	.....	279/62
D417,228	S	*	11/1999	Miles	.....	D15/140
D434,629	S	*	12/2000	Long	.....	D8/70
D434,630	S	*	12/2000	Oliver et al.	.....	D8/70
6,193,242	B1	*	2/2001	Robison	.....	279/62

(Continued)

FOREIGN PATENT DOCUMENTS

GB 2091262 S * 3/2000

OTHER PUBLICATIONS

Photos of co-molded chuck believed to be sold more than 1 year prior to the filing date of the present application, Figs 2-5, prior to Oct. 20, 2004.

Primary Examiner—T. Chase Nelson

(74) *Attorney, Agent, or Firm*—Nelson Mullins Riley & Scarborough, LLP

(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of a drill chuck embodying the design of a first embodiment of the present invention;

FIG. 2 is a front elevation view of the drill chuck illustrated in FIG. 1;

FIG. 3 is a back elevation view of the drill chuck shown in FIG. 1;

FIG. 4 is a right side view of the drill chuck shown in FIG. 1;

FIG. 5 is a left side view of the drill chuck shown in FIG. 1;

FIG. 6 is a top view of the drill chuck illustrated in FIG. 1;

FIG. 7 is a bottom view of the drill chuck illustrated in FIG. 1;

FIG. 8 is a perspective view of a drill chuck embodying the design of a second embodiment of the present invention;

FIG. 9 is a front elevation view of the drill chuck illustrated in FIG. 8;

FIG. 10 is a back elevation view of the drill chuck shown in FIG. 8;

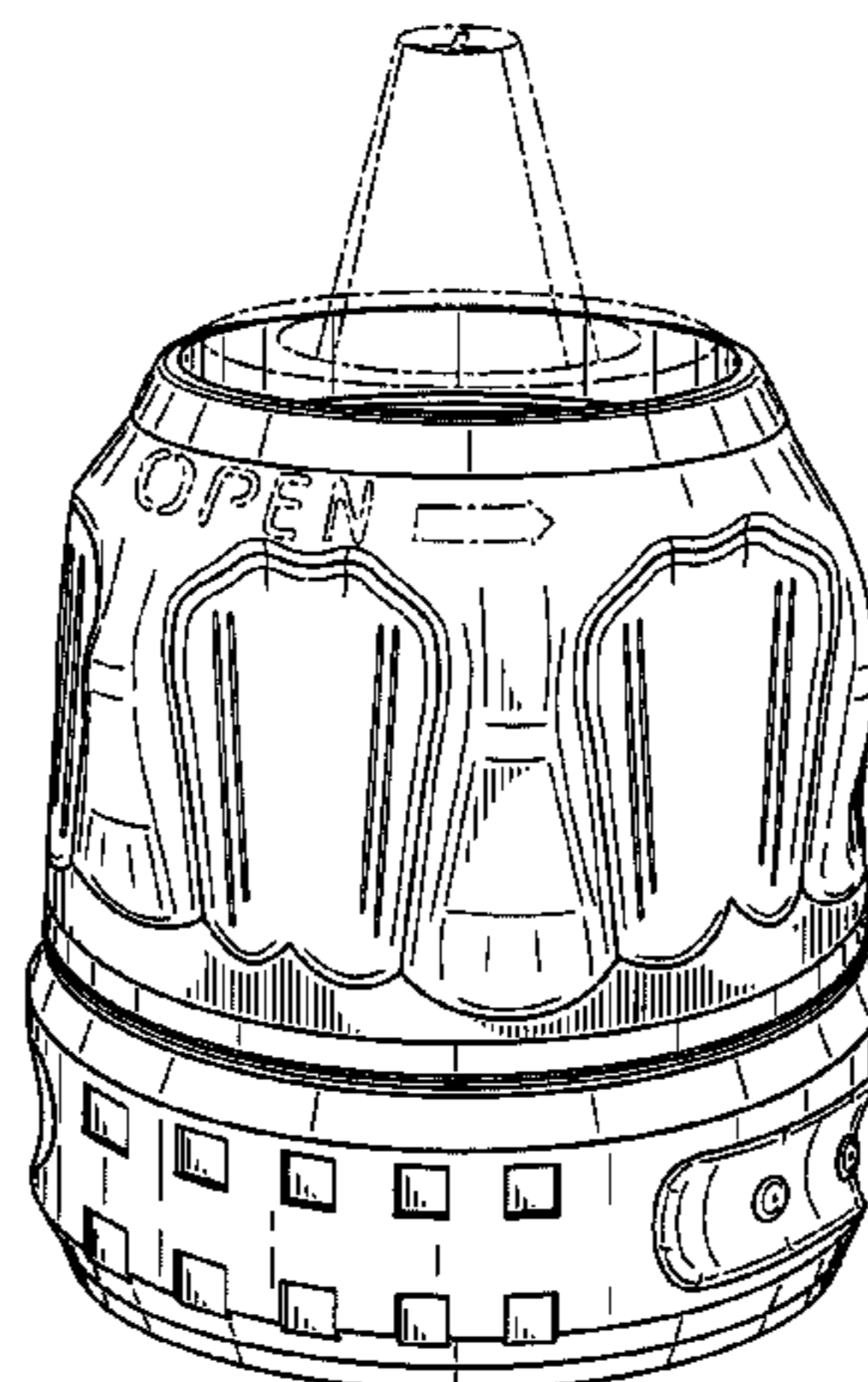
FIG. 11 is a right side view of the drill chuck shown in FIG. 8;

FIG. 12 is a left side view of the drill chuck shown in FIG. 8;

FIG. 13 is a top view of the drill chuck shown in FIG. 8; and, FIG. 14 is a bottom view of the drill chuck shown in FIG. 8.

The broken line indicia seen throughout the drawing views is for illustrative purposes only and forms no part of the claimed design. The broken lines depicting portions of the drill chuck in FIGS. 1 through 8 form no part of the design of the first embodiment.

1 Claim, 12 Drawing Sheets



US D532,271 S

Page 2

U.S. PATENT DOCUMENTS													
D447,399	S	*	9/2001	Netzler	.....	D8/70	2001/0011799	A1	*	8/2001	Miles et al.	.....	279/60
6,286,842	B1	*	9/2001	Huff et al.	.....	279/60	2003/0155723	A1	*	8/2003	Rohm et al.	.....	279/62
D462,248	S	*	9/2002	Cooper	.....	D8/68	2004/0032095	A1	*	2/2004	Rohm	.....	279/62
D464,858	S	*	10/2002	Netzler	.....	D8/68	2004/0041357	A1	*	3/2004	Zhou	.....	279/62
6,902,172	B1	*	6/2005	Rohm	.....	279/62	2005/0212223	A1	*	9/2005	Tian et al.	.....	279/62
D513,691	S	*	1/2006	Watson et al.	.....	D8/70	2006/0027978	A1	*	2/2006	Young et al.	.....	279/62

* cited by examiner

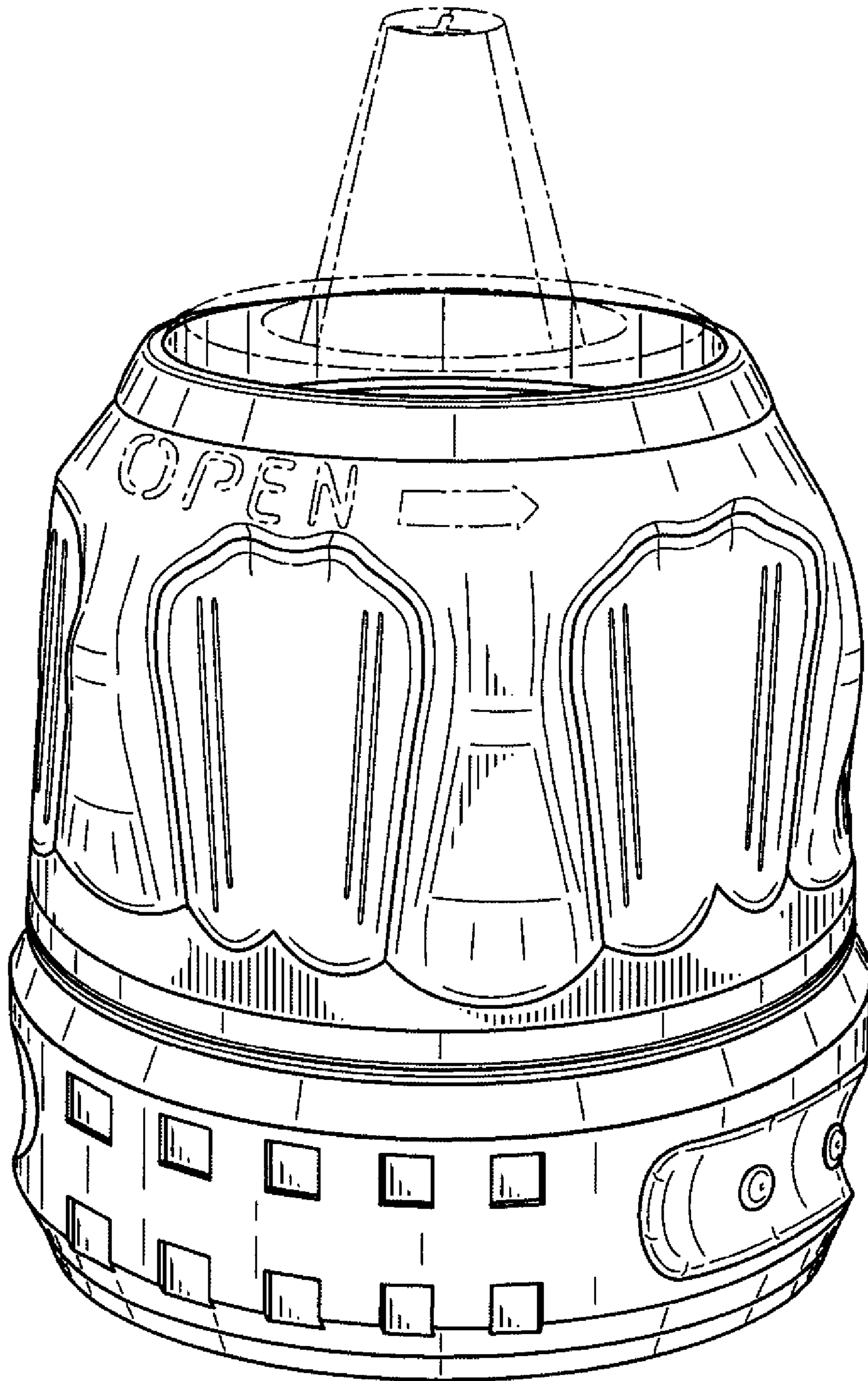


Fig. 1

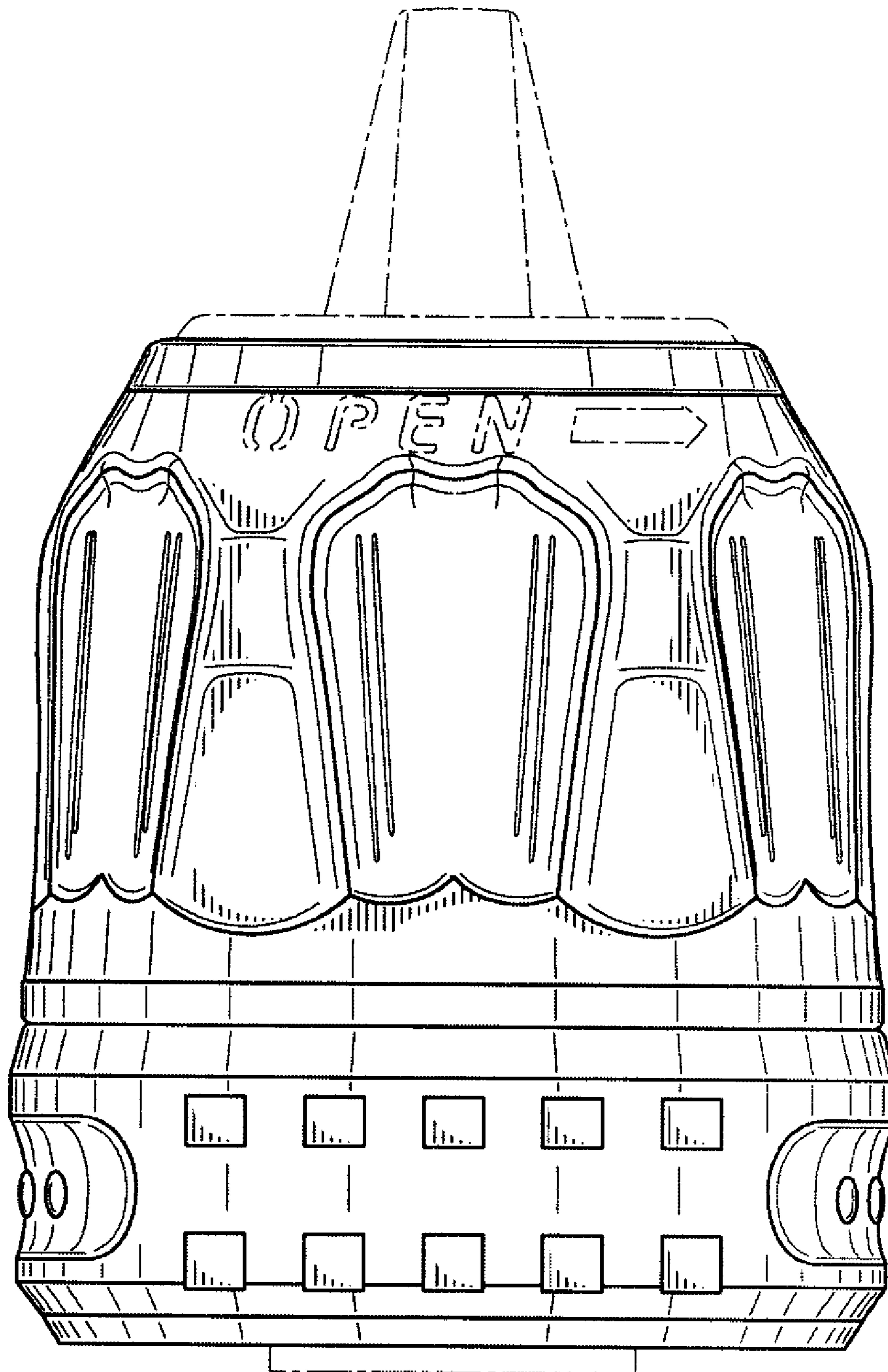


Fig. 2

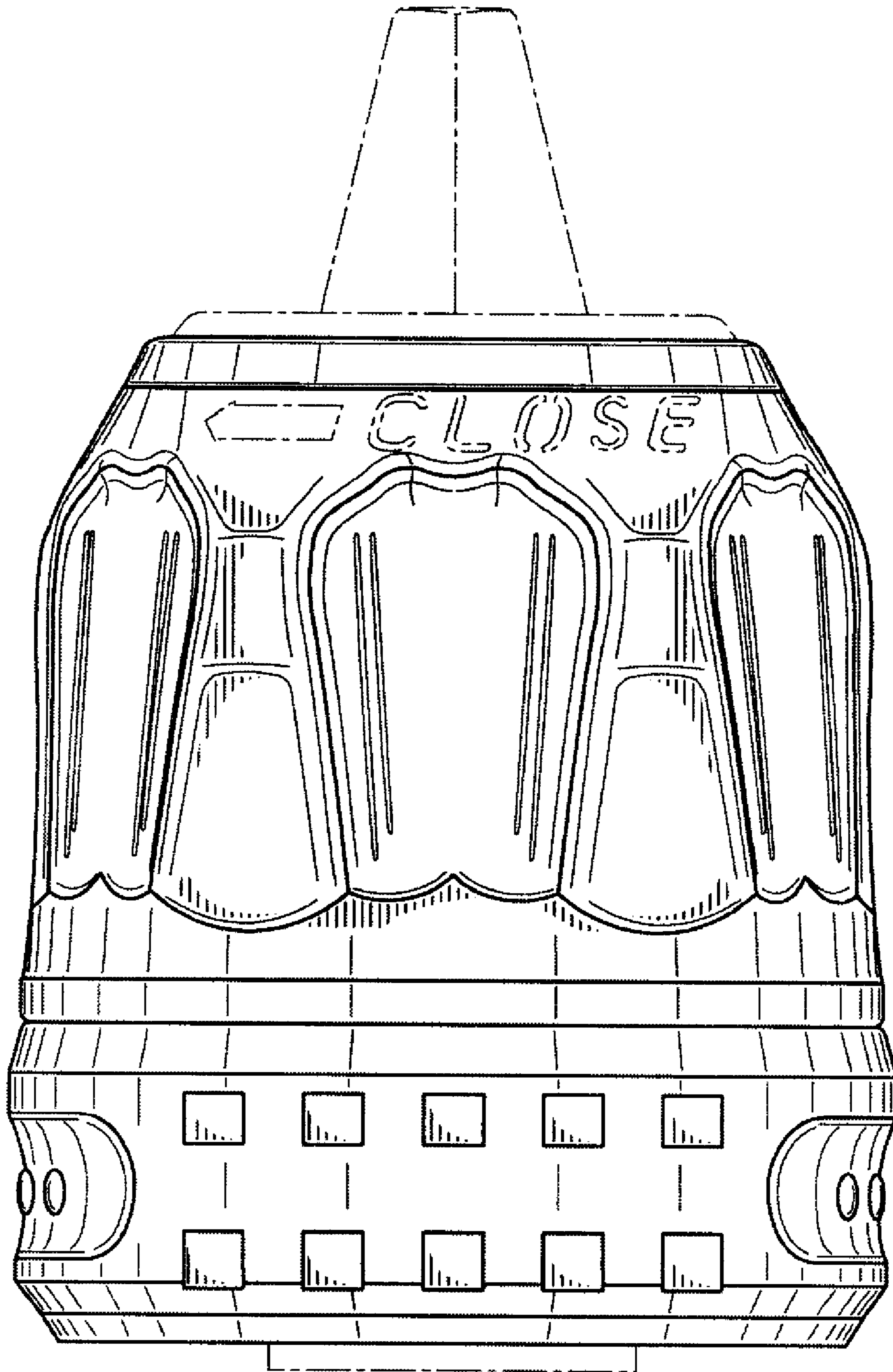


Fig. 3

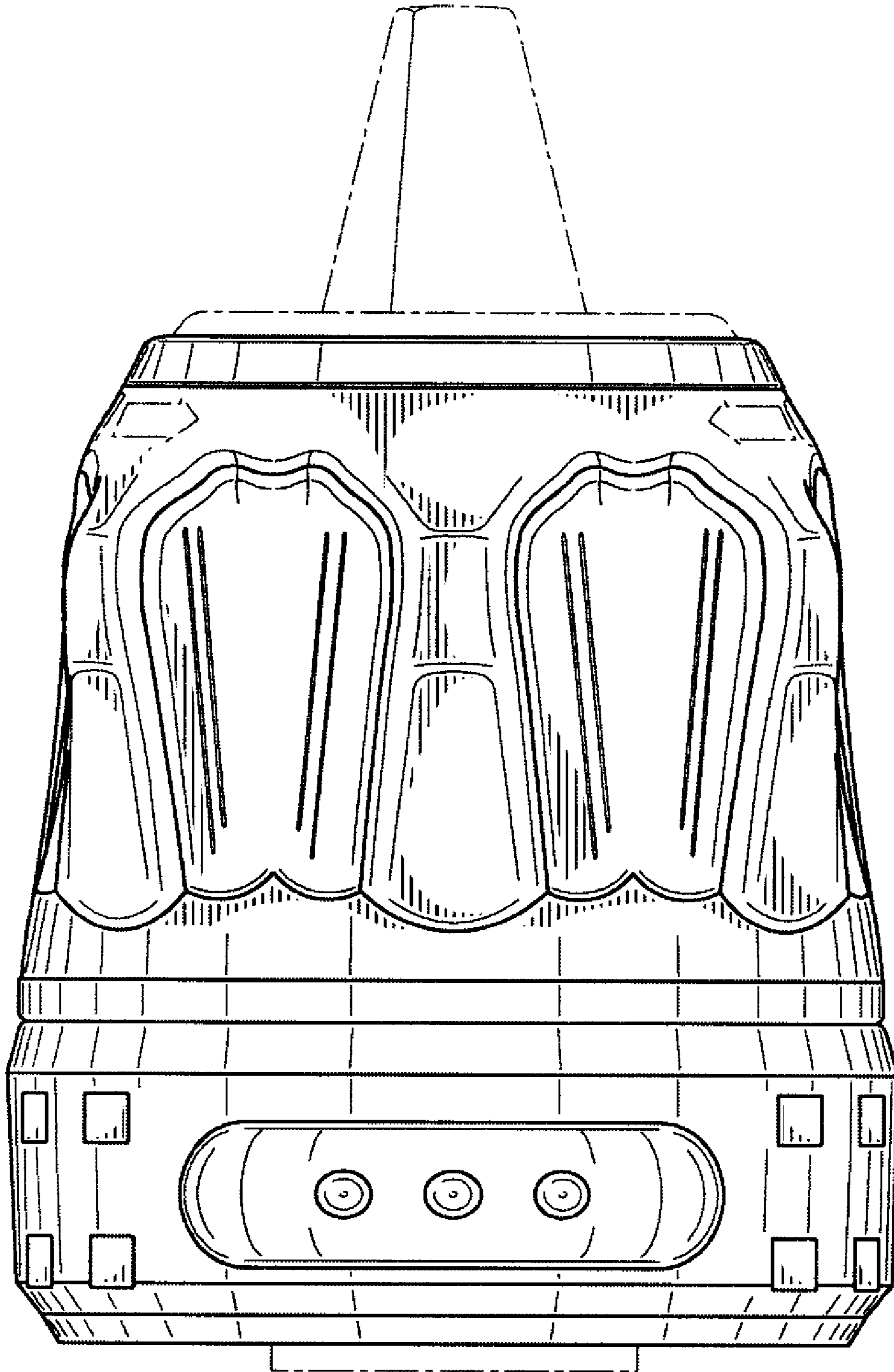


Fig. 4

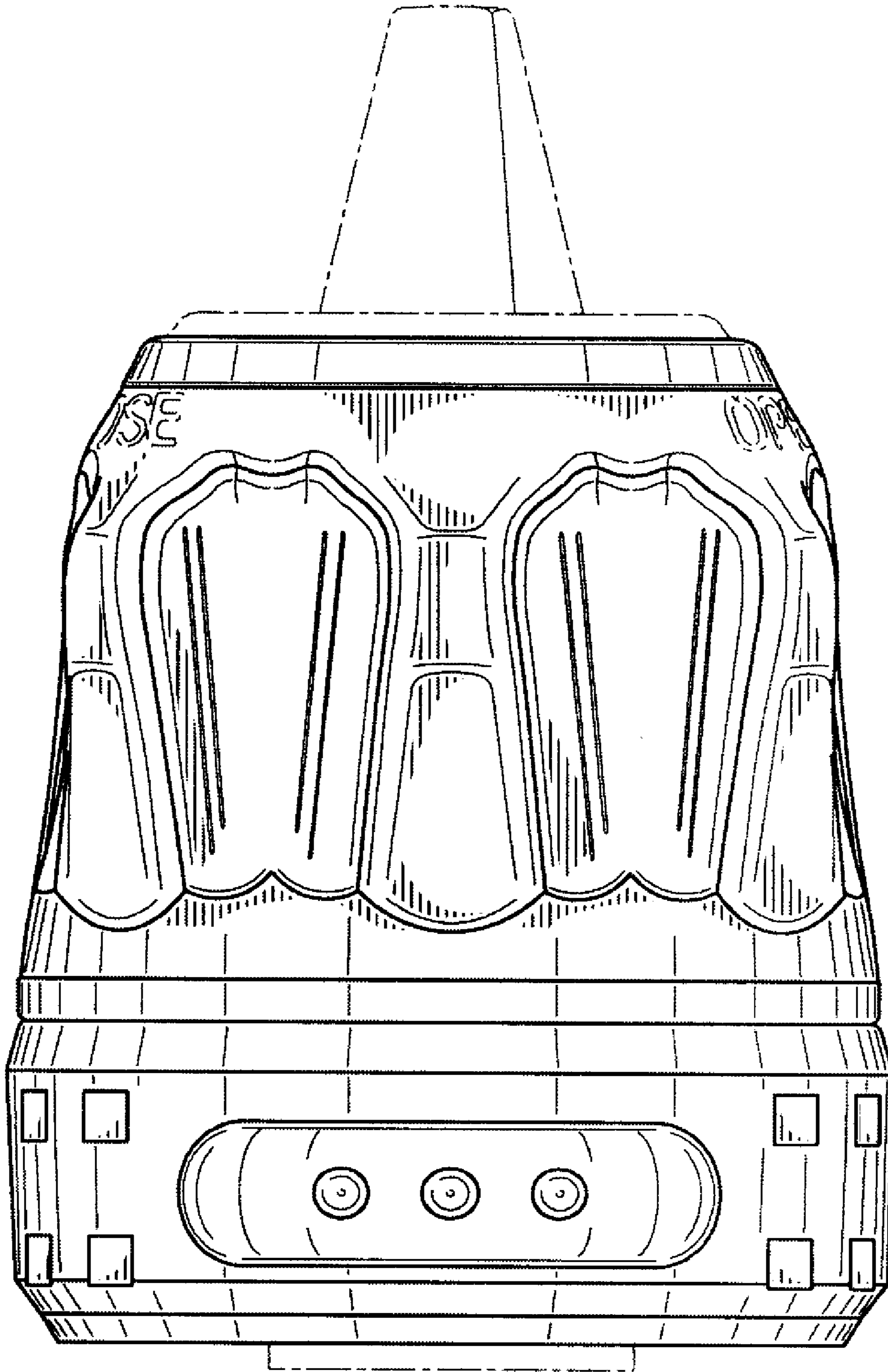


Fig. 5

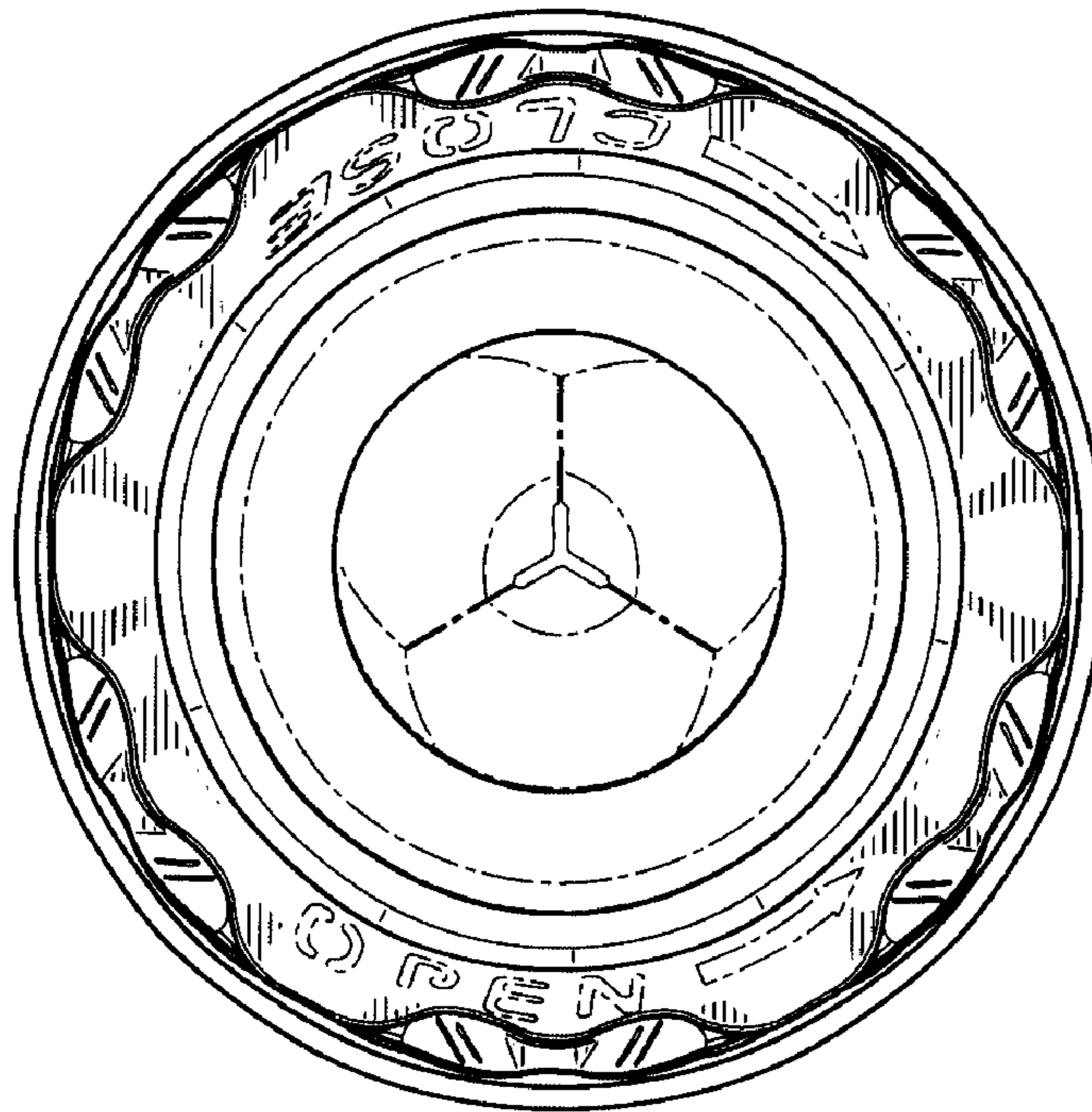


Fig. 6

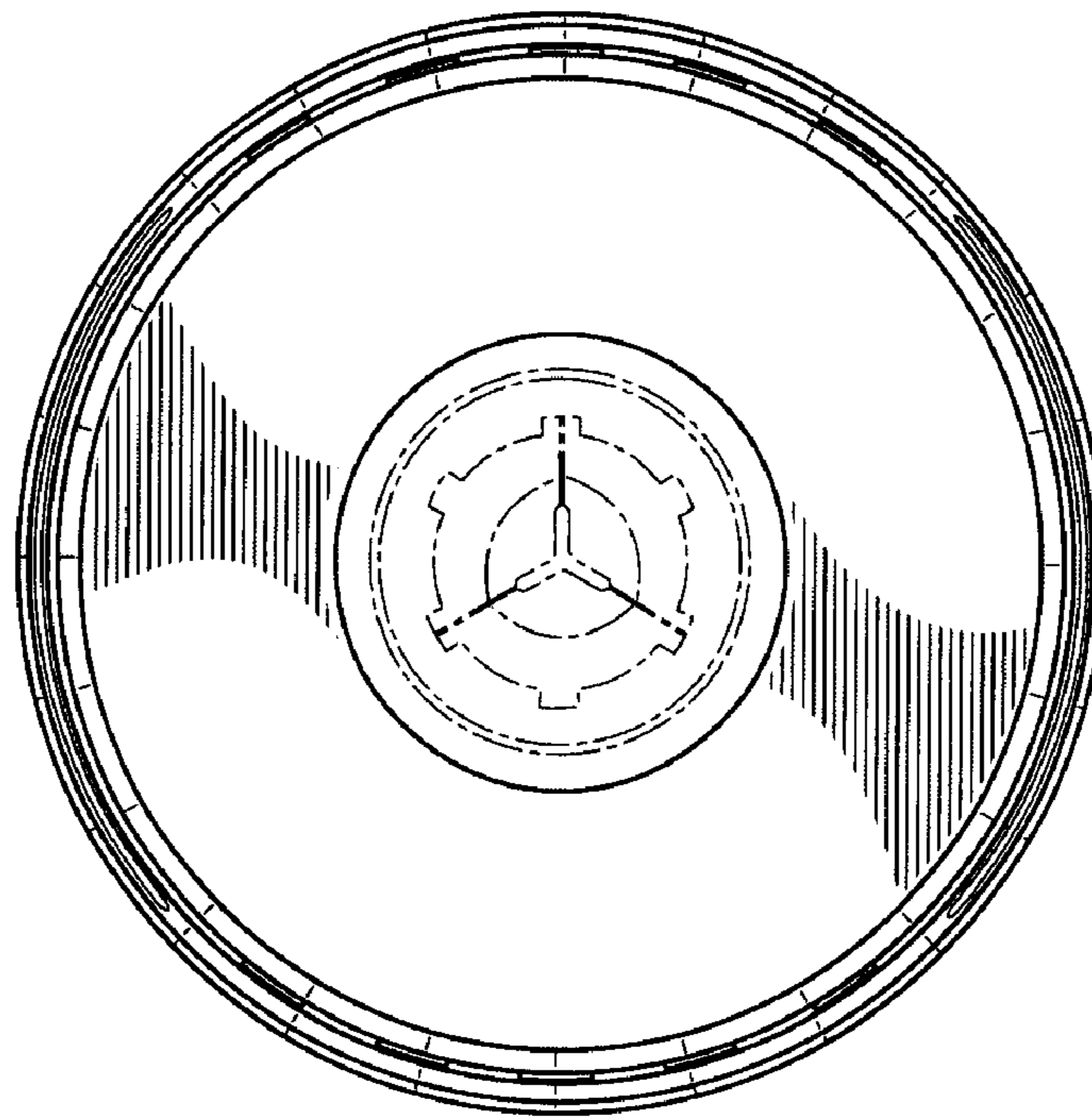


Fig. 7

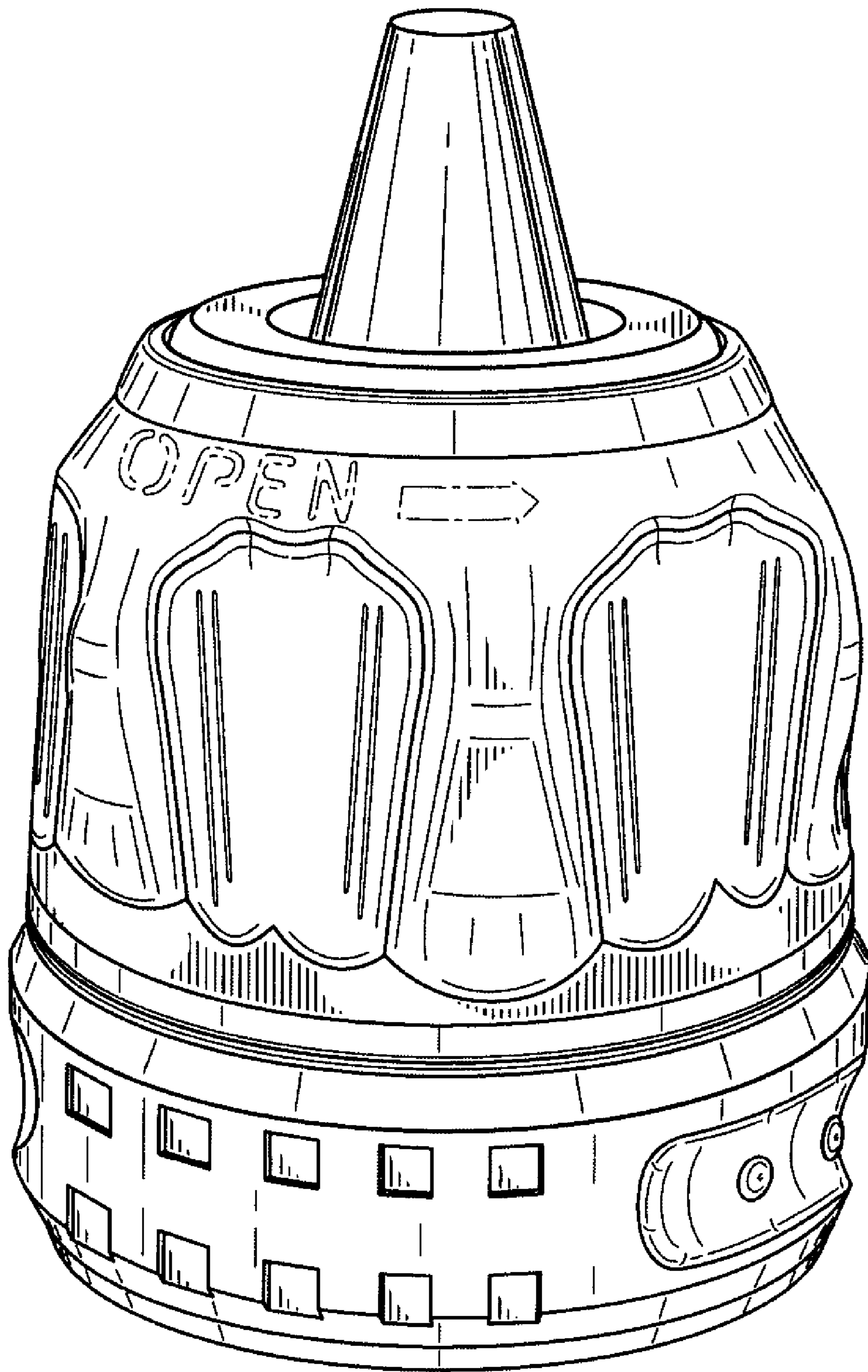


Fig. 8

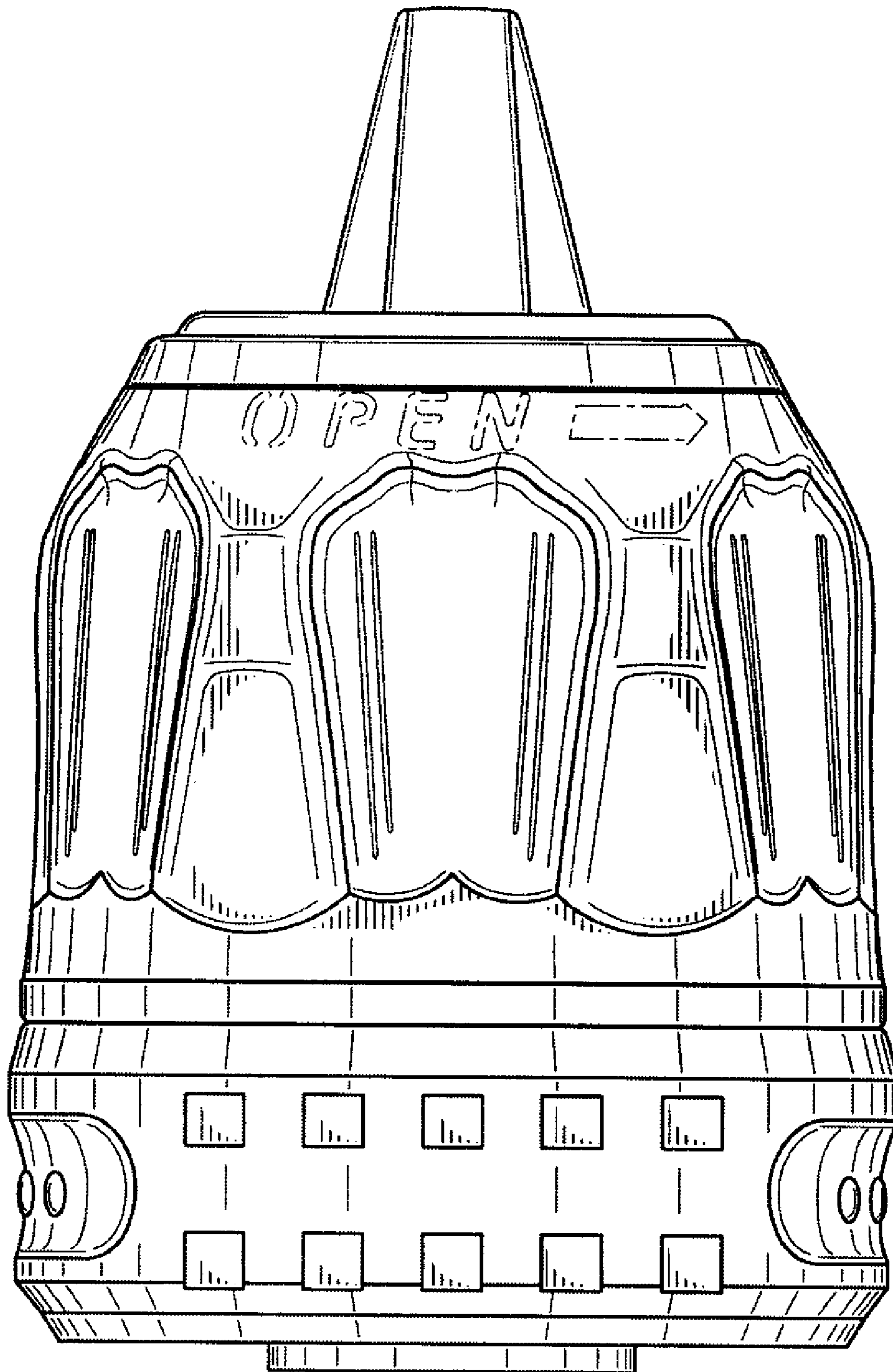


Fig. 9

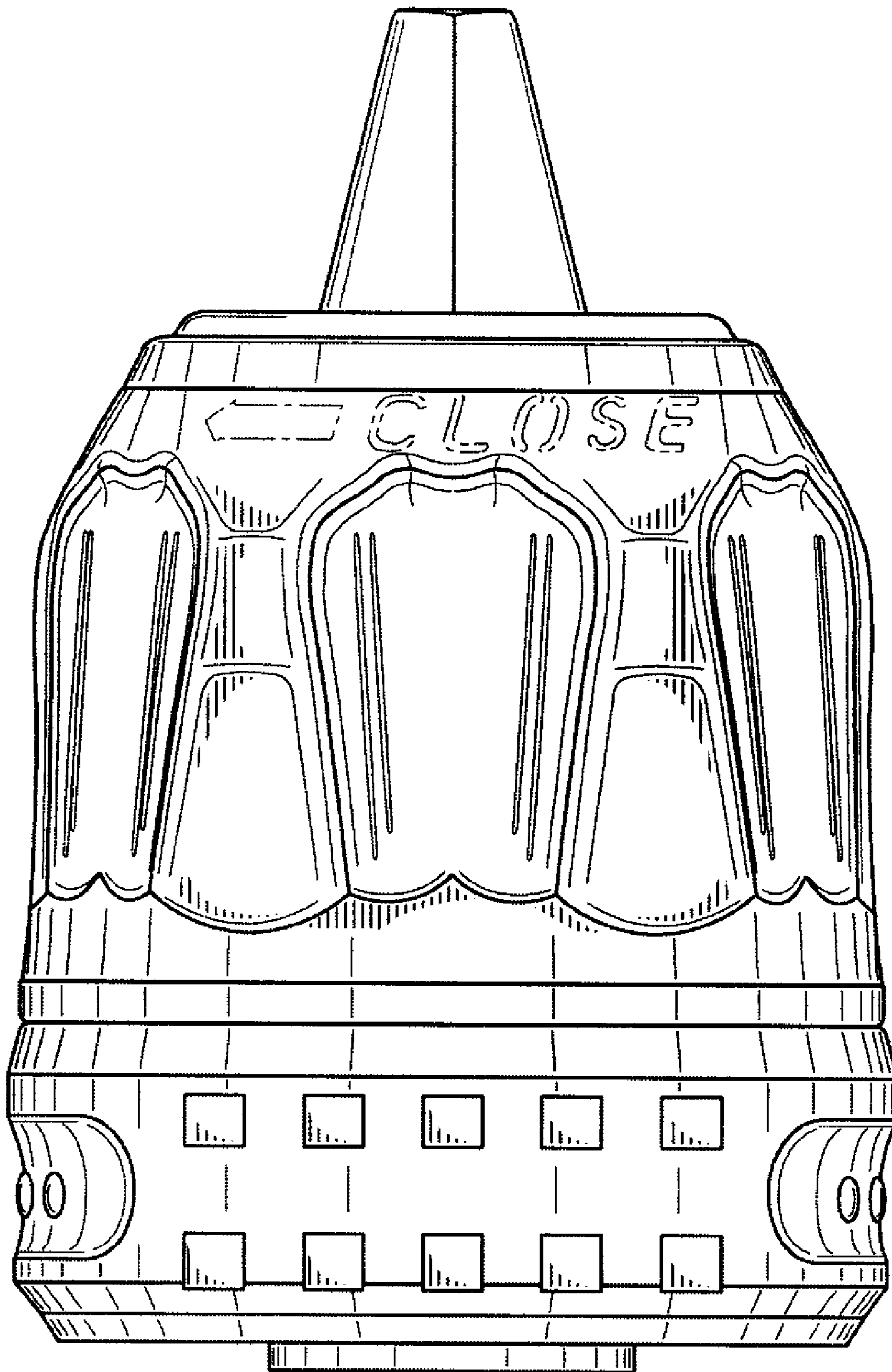


Fig. 10

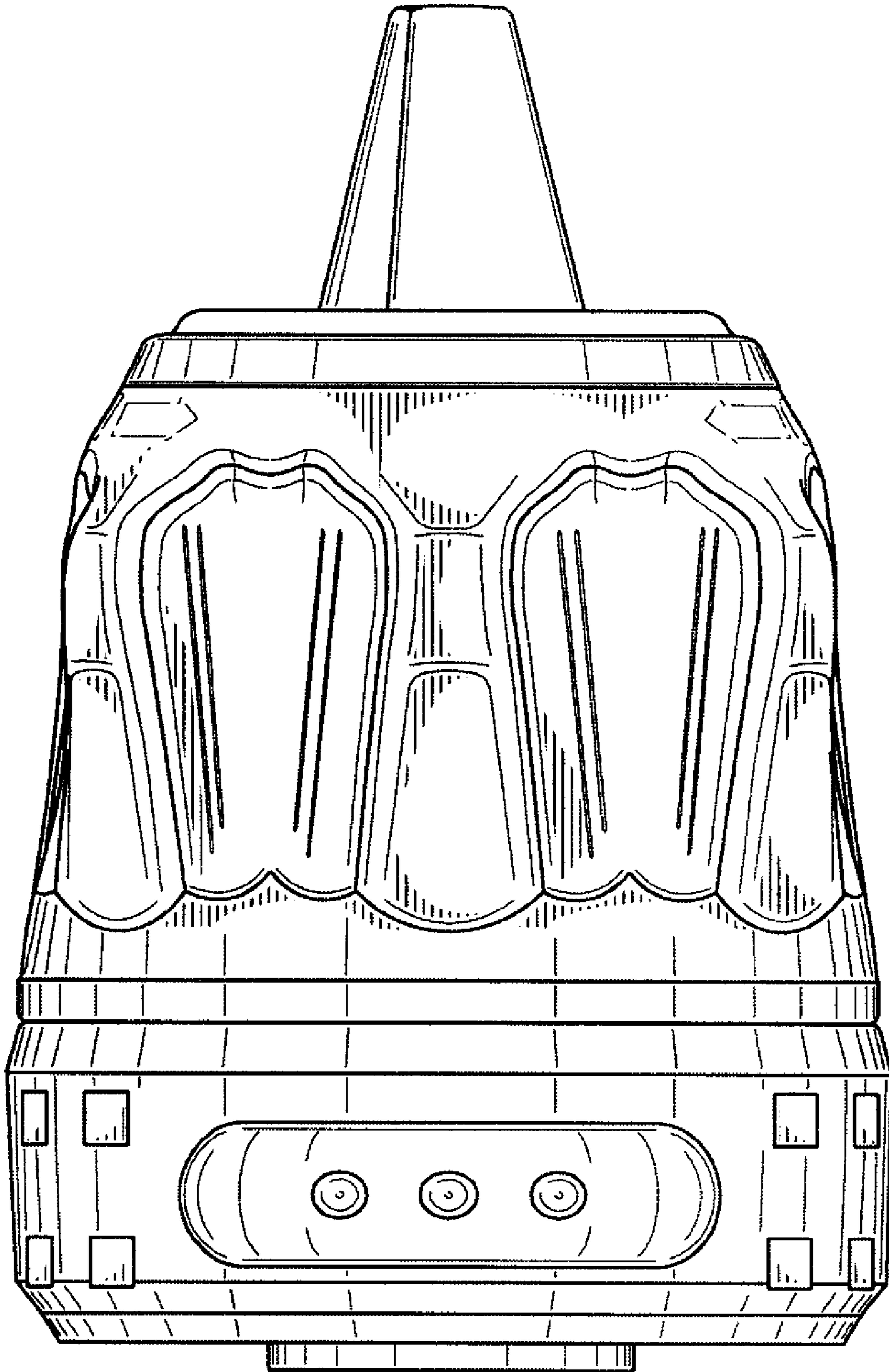


Fig. 11

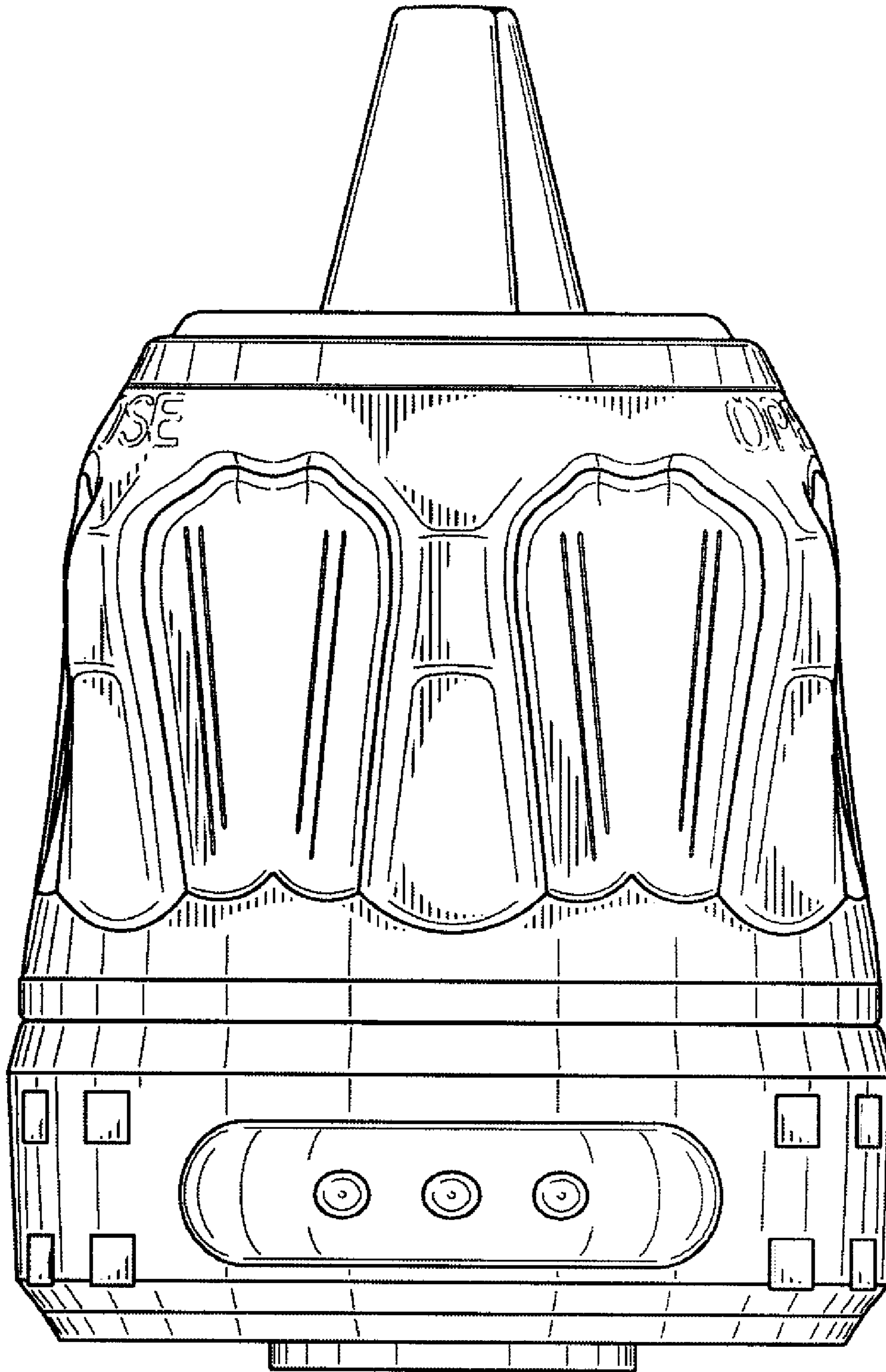


Fig. 12

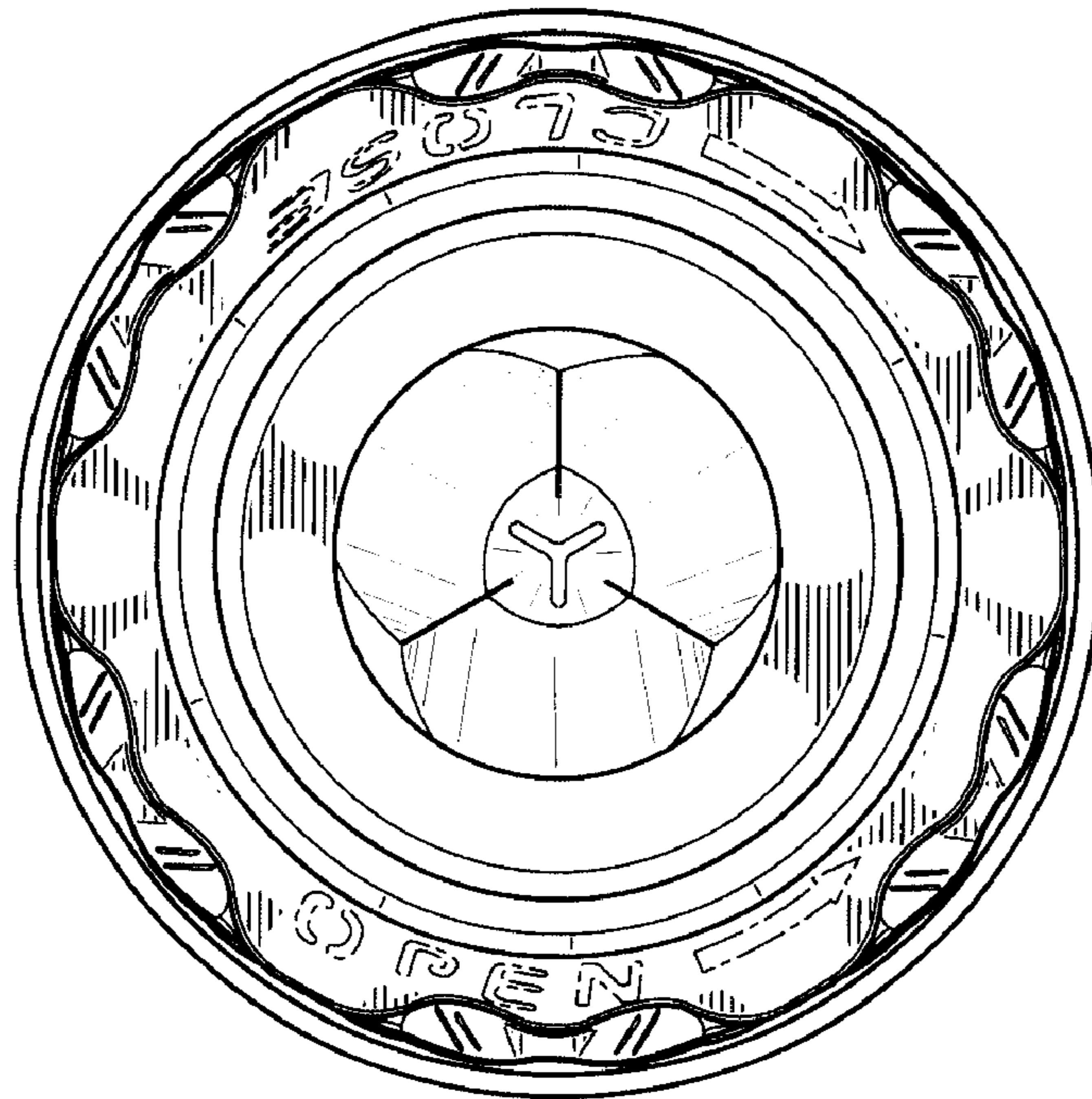


Fig. 13

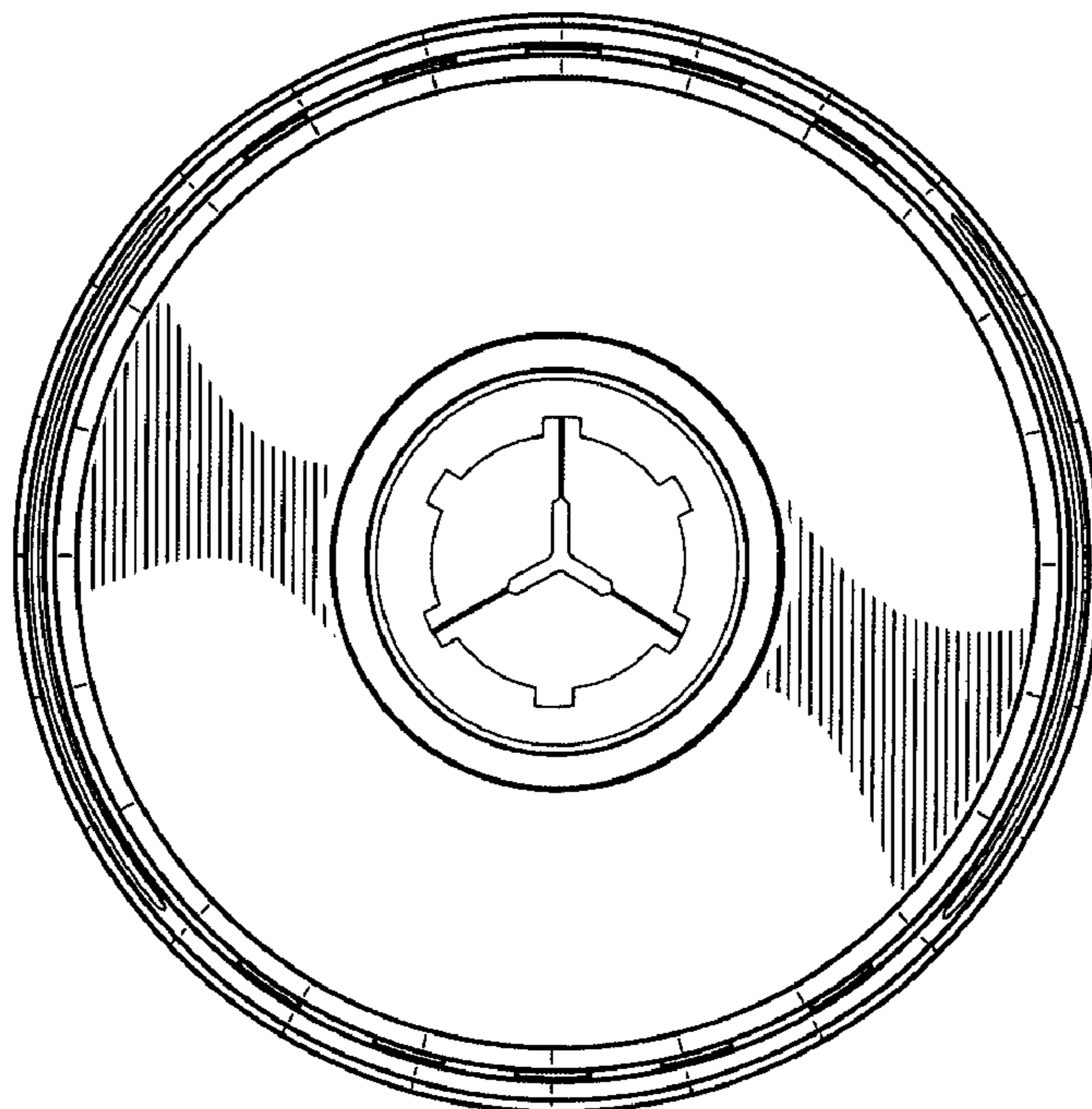


Fig. 14