

US00D545159S

(12) **United States Design Patent** (10) **Patent No.:** **US D545,159 S**
Schoen et al. (45) **Date of Patent:** **** Jun. 26, 2007**

(54) **BATTERY-OPERATED DRILLING
SCREWDRIVER**
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(73) Assignee: **Robert Bosch GmbH**, Stuttgart (DE)

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

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(22) Filed: **Feb. 16, 2006**

Related U.S. Application Data

(63) Continuation-in-part of application No. 29/131,457,
filed on Oct. 20, 2000, now abandoned.

(30) **Foreign Application Priority Data**

Apr. 20, 2000 (DE) 400 04 019

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

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

(58) **Field of Classification Search** D8/14.1,
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81/57.11, 429, 464, 465, 466, 469, 489; 173/13,
173/104, 114, 168, 169, 170, 171, 178, 201,
173/211, 213, 217; 408/20, 124, 125, 234,
408/241 R; 451/358; 310/50; 227/8, 113,
227/114, 120, 130, 136, 142

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D340,394 S * 10/1993 Okumura D8/68
D359,215 S * 6/1995 Zurwelle D8/68
D362,167 S * 9/1995 Zurwelle D8/68
D368,009 S * 3/1996 Zurwelle D8/68
D386,662 S * 11/1997 Tozawa et al. D8/68

D392,863 S * 3/1998 Sugimoto et al. D8/68
D402,871 S * 12/1998 Clowers et al. D8/68
D402,872 S * 12/1998 Clowers et al. D8/68
5,918,685 A * 7/1999 Ulbrich et al. 173/217
D419,413 S * 1/2000 Heun D8/68
D420,877 S * 2/2000 Schultz D8/68

(Continued)

FOREIGN PATENT DOCUMENTS

GB 2051165 S * 10/1995

(Continued)

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(57) **CLAIM**

The ornamental design for a battery-operated drilling screw-
driver, as shown and described.

DESCRIPTION

FIG. 1 is a side view of a battery-operated drilling screw-
driver showing my new design;

FIG. 2 is the opposite side of FIG. 1 thereof;

FIG. 3 is a front view thereof;

FIG. 4 is a rear view thereof;

FIG. 5 is a top view thereof;

FIG. 6 is a bottom view thereof;

FIG. 7 is a side view of an alternate embodiment of my
design;

FIG. 8 is the opposite side of FIG. 7 thereof;

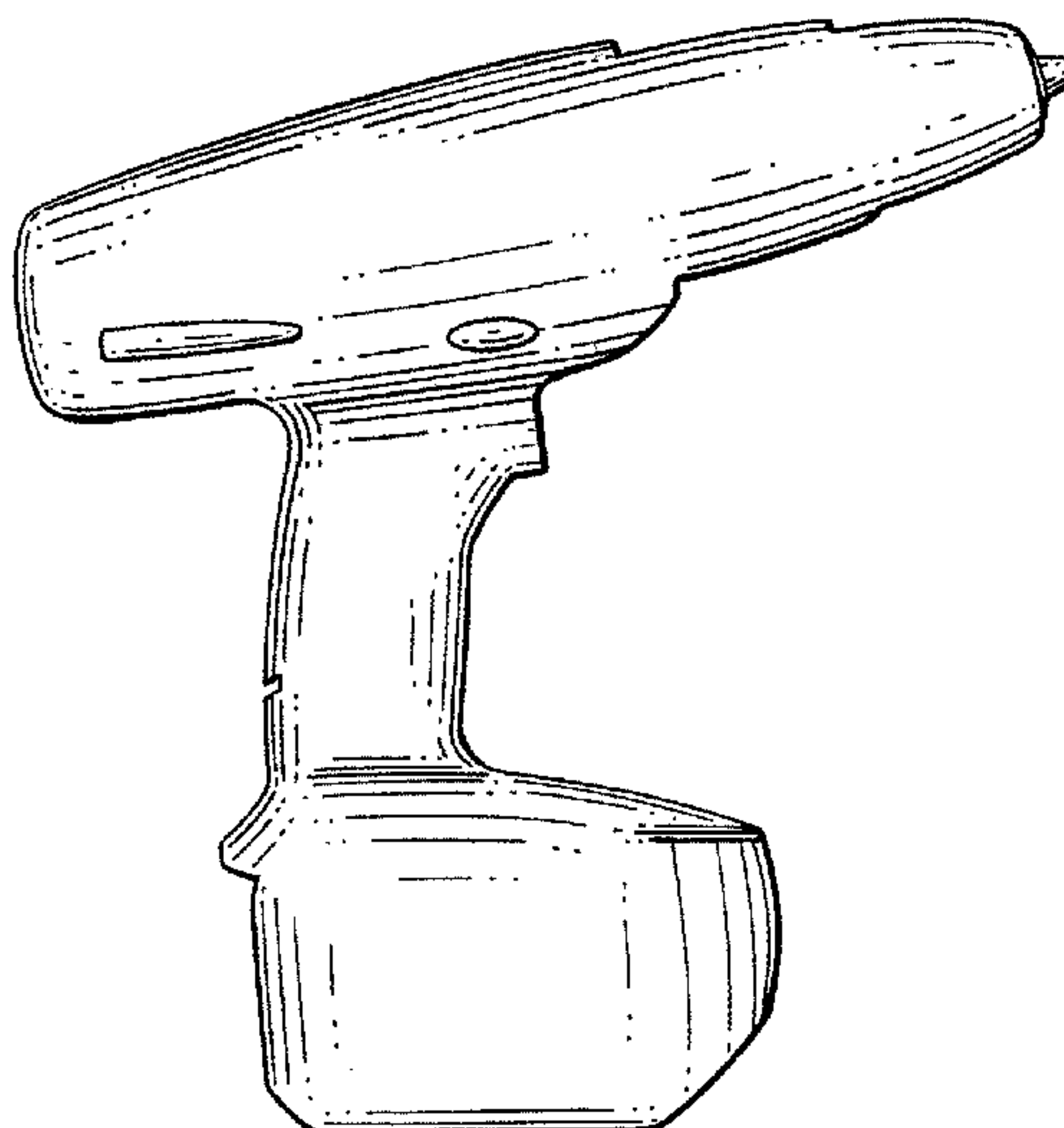
FIG. 9 is a front view thereof;

FIG. 10 is a rear view thereof;

FIG. 11 is a top view thereof; and,

FIG. 12 is a bottom view thereof.

1 Claim, 8 Drawing Sheets



U.S. PATENT DOCUMENTS

D421,883	S	*	3/2000	Watson et al.	.....	D8/68
D424,902	S	*	5/2000	Gildersleeve et al.	.....	D8/68
D428,320	S	*	7/2000	Ohi et al.	.....	D8/68
D435,414	S	*	12/2000	Etter et al.	.....	D8/68
D436,511	S	*	1/2001	Hayakawa et al.	.....	D8/68
6,308,378	B1	*	10/2001	Mooty et al.	.....	81/489
D460,673	S	*	7/2002	Heun	.....	D8/68
D460,674	S	*	7/2002	Heun	.....	D8/68
D460,907	S	*	7/2002	Geis	.....	D8/68
D462,248	S	*	9/2002	Cooper	.....	D8/68
D467,147	S	*	12/2002	Watson	.....	D8/68
D467,483	S	*	12/2002	Heun	.....	D8/68
D469,675	S	*	2/2003	Chung	.....	D8/68
D478,262	S	*	8/2003	Chunn et al.	.....	D8/68
D482,253	S	*	11/2003	Cooper et al.	.....	D8/68
D496,843	S	*	10/2004	Sugawara et al.	.....	D8/68
6,840,335	B1	*	1/2005	Wu	.....	173/217
D501,385	S	*	2/2005	Cheung et al.	.....	D8/68
D501,779	S	*	2/2005	Watson	.....	D8/68
D506,914	S	*	7/2005	Okuda	.....	D8/68
D511,080	S	*	11/2005	Koch et al.	.....	D8/68
D514,909	S	*	2/2006	Bosch	.....	D8/68

D515,378	S	*	2/2006	Wu	.....	D8/68
D520,836	S	*	5/2006	Wu	.....	D8/68
D525,100	S	*	7/2006	Huang et al.	.....	D8/68
2003/0002934	A1	*	1/2003	Hsu	.....	408/124
2003/0066667	A1	*	4/2003	Zhang	.....	173/217
2003/0159843	A1	*	8/2003	Sakai et al.	.....	173/217

FOREIGN PATENT DOCUMENTS

GB	2054777	S	*	3/1996
GB	2065434	S	*	5/1997
GB	2096820	S	*	4/2000
GB	2097666	S	*	4/2000
GB	2097667	S	*	4/2000
GB	2097668	S	*	4/2000
GB	2097669	S	*	4/2000
GB	2097670	S	*	4/2000
GB	2097671	S	*	4/2000
GB	2104250	S	*	3/2001
GB	3000004	S	*	12/2001
GB	3001389	S	*	2/2002
GB	3012960	S	*	5/2003

* cited by examiner

FIG. 1

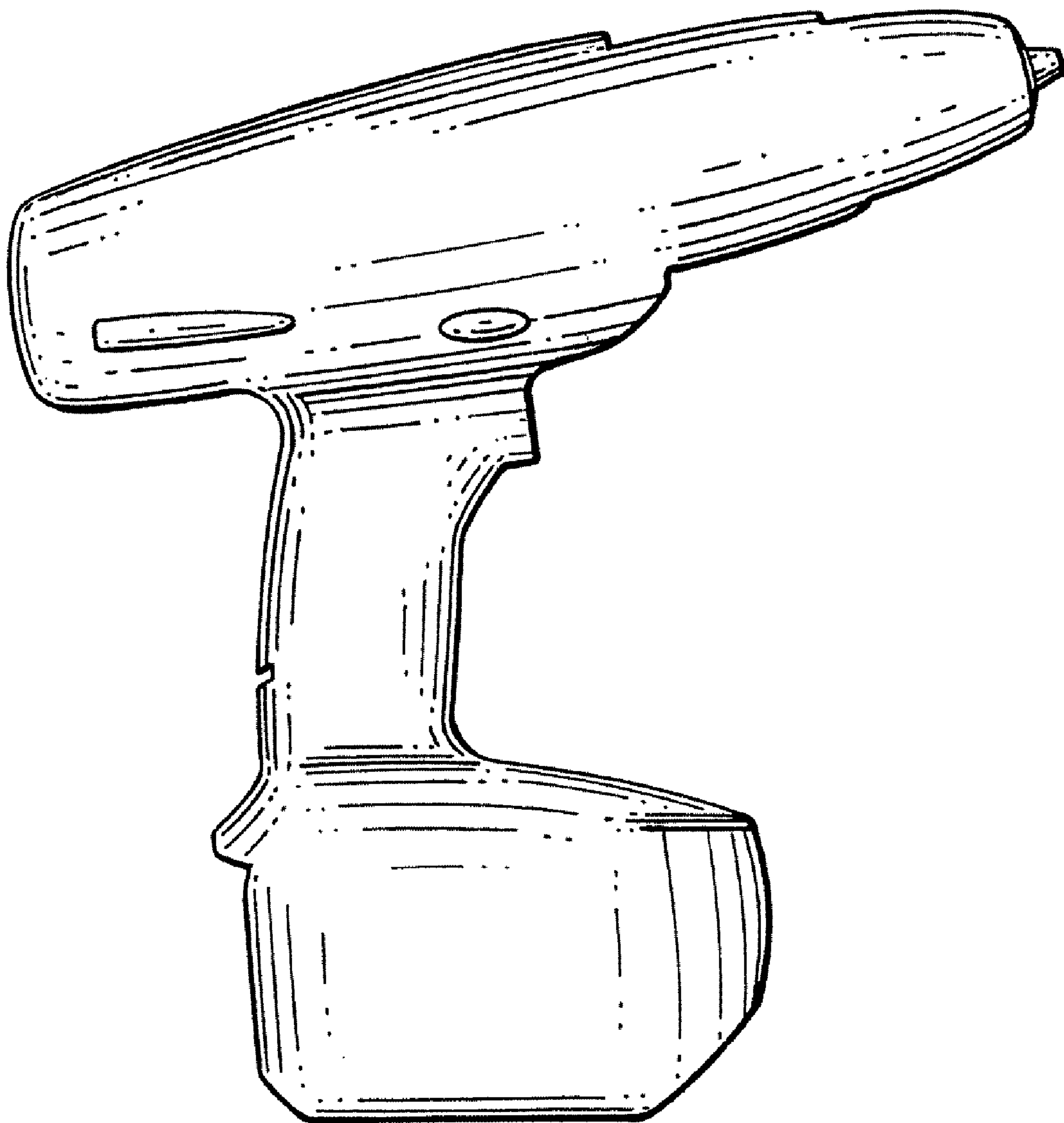
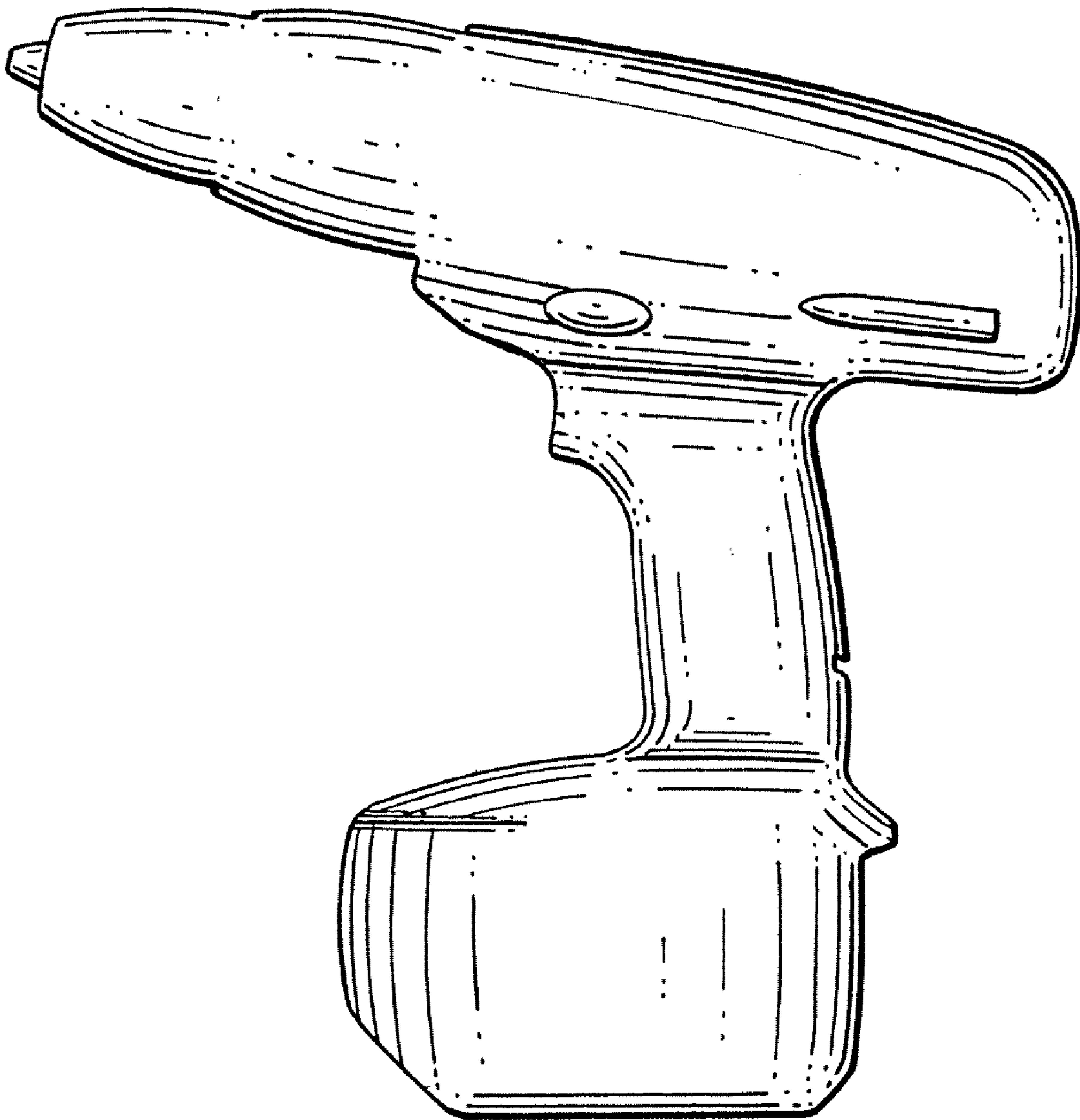


FIG. 2



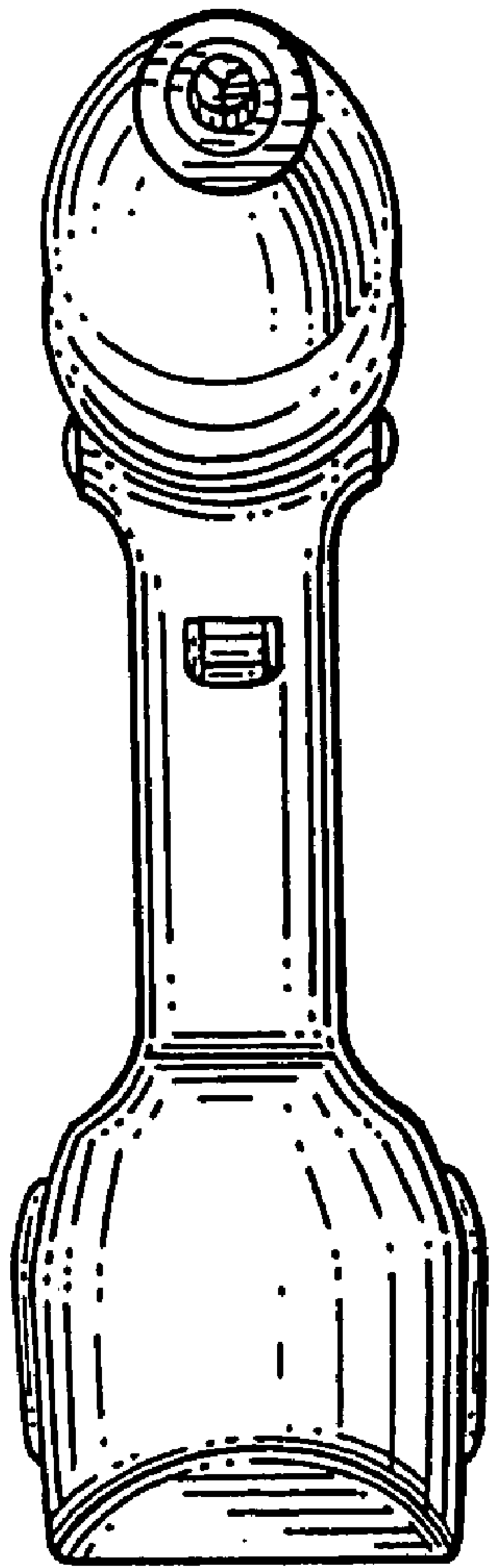


FIG. 3

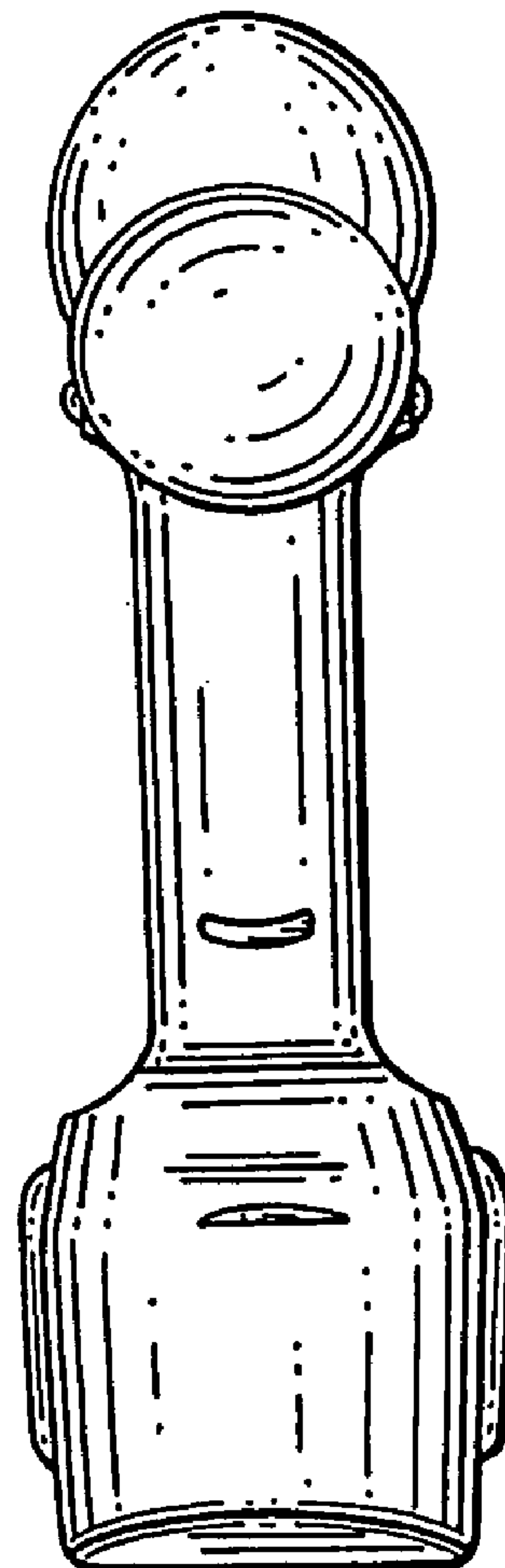


FIG. 4

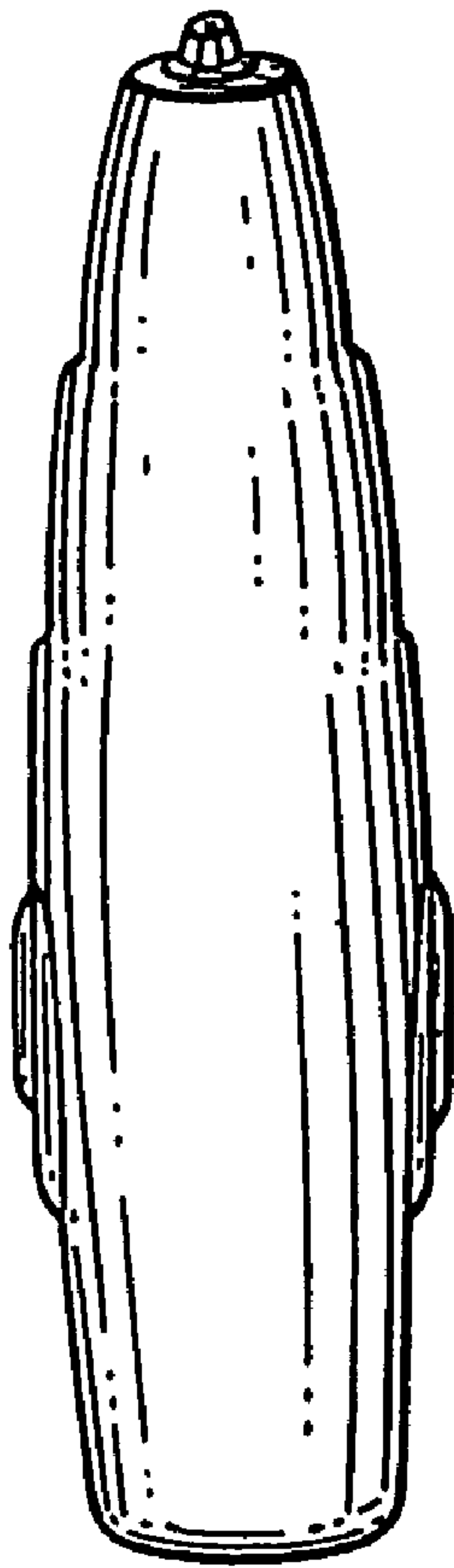


FIG. 5

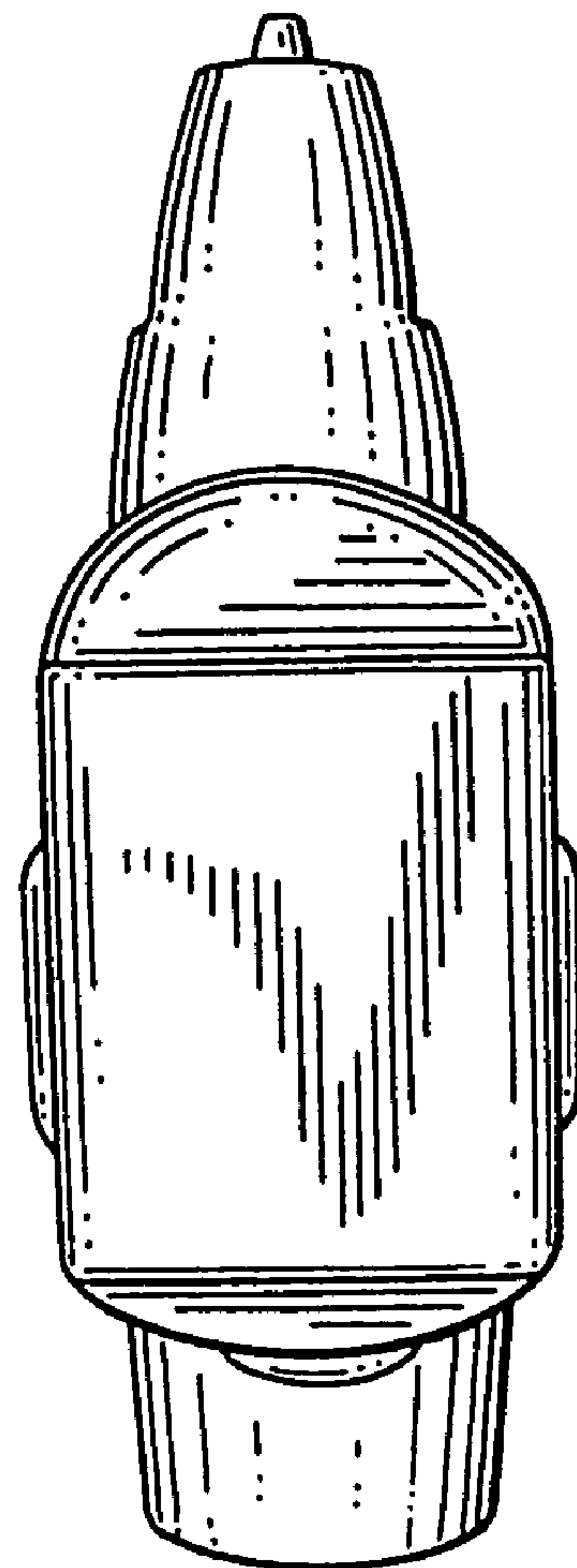


FIG. 6

FIG. 7

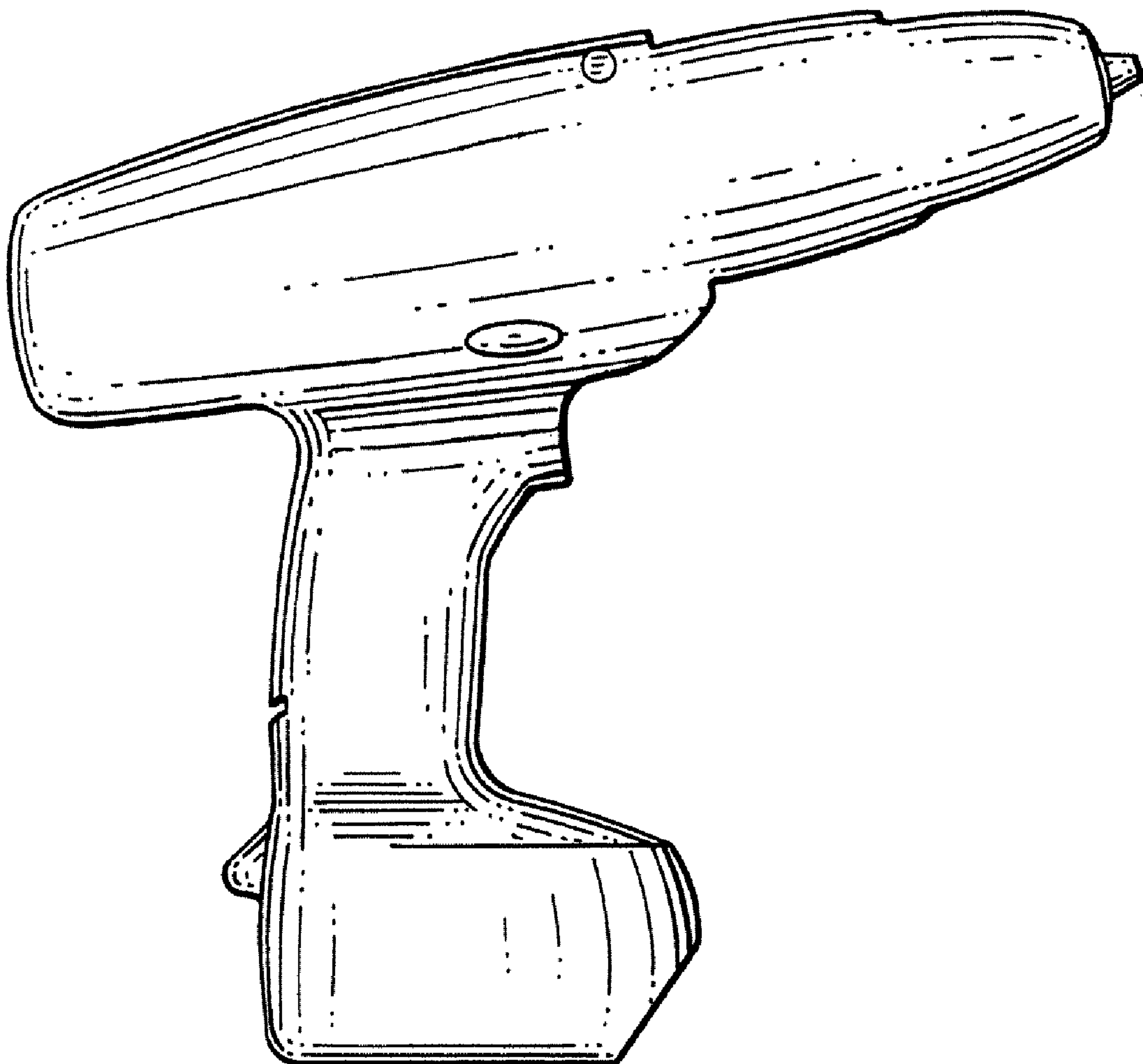
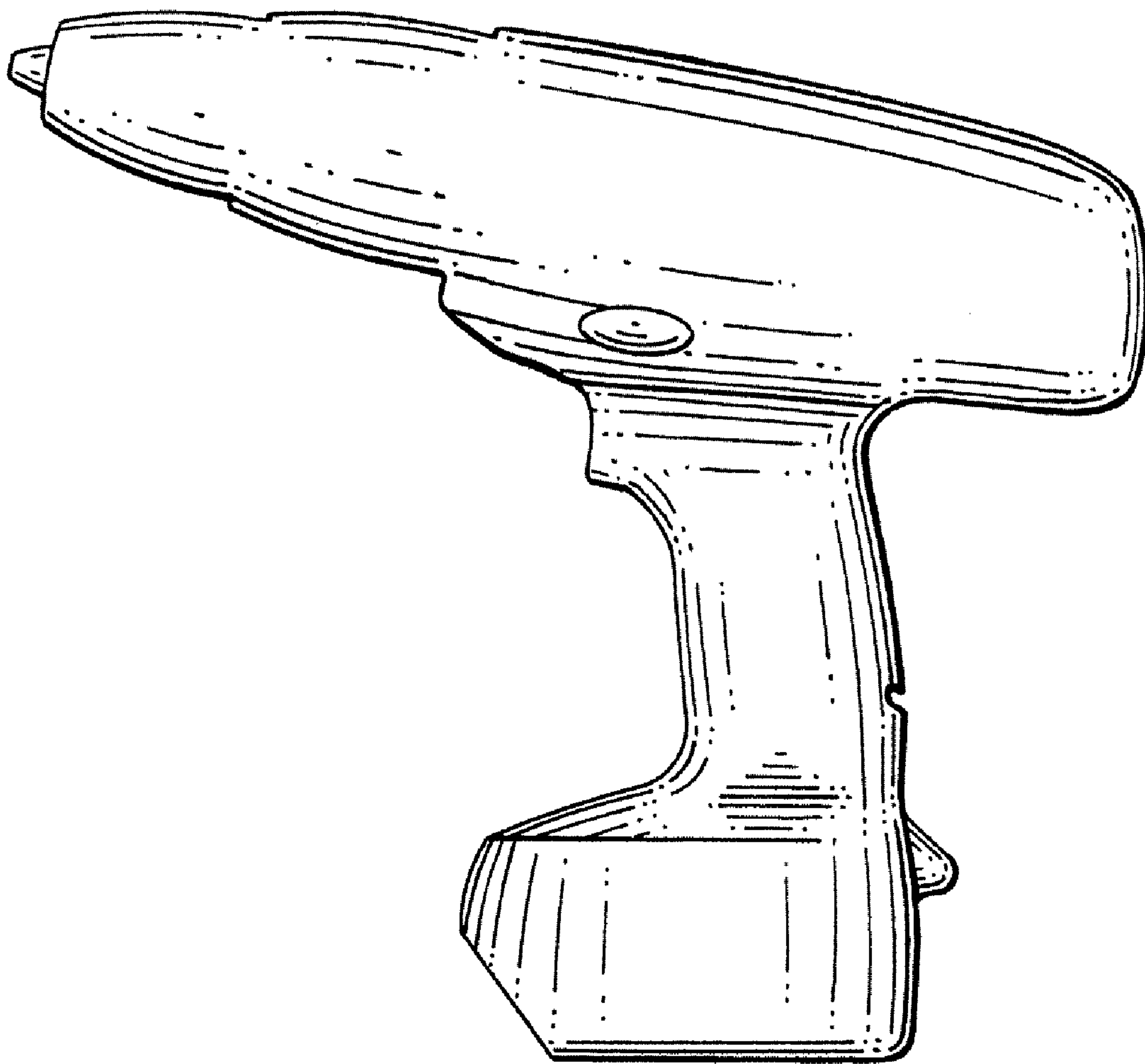


FIG. 8



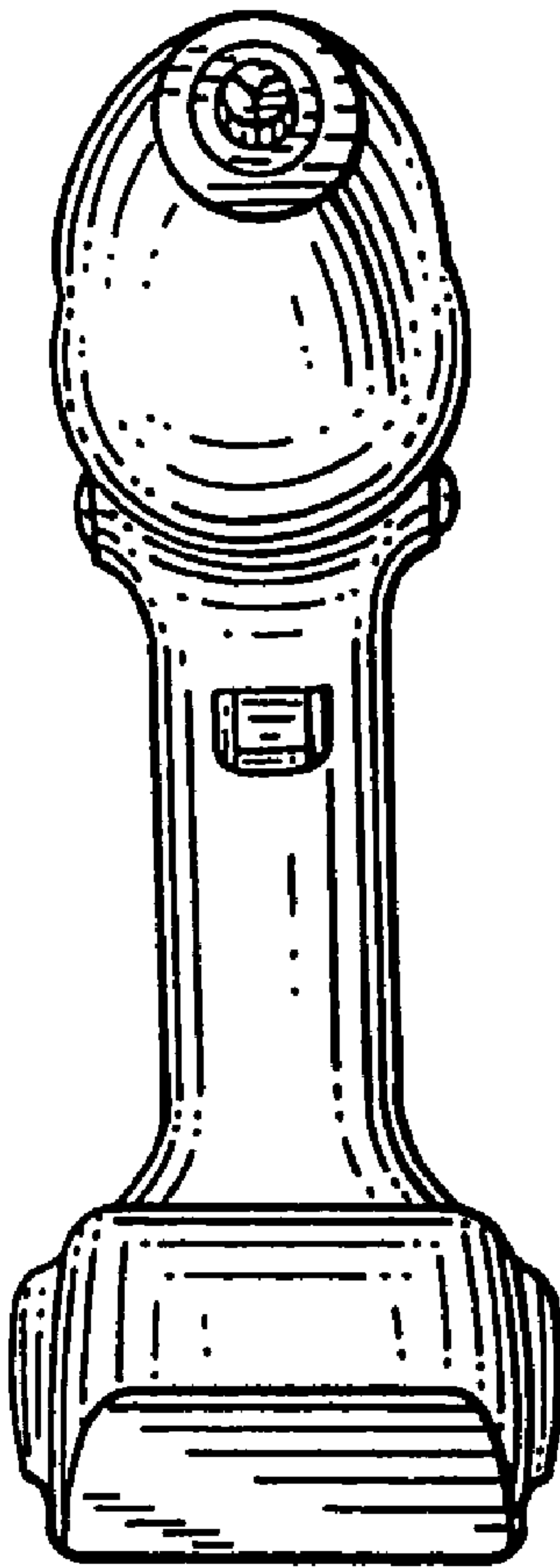


FIG. 9

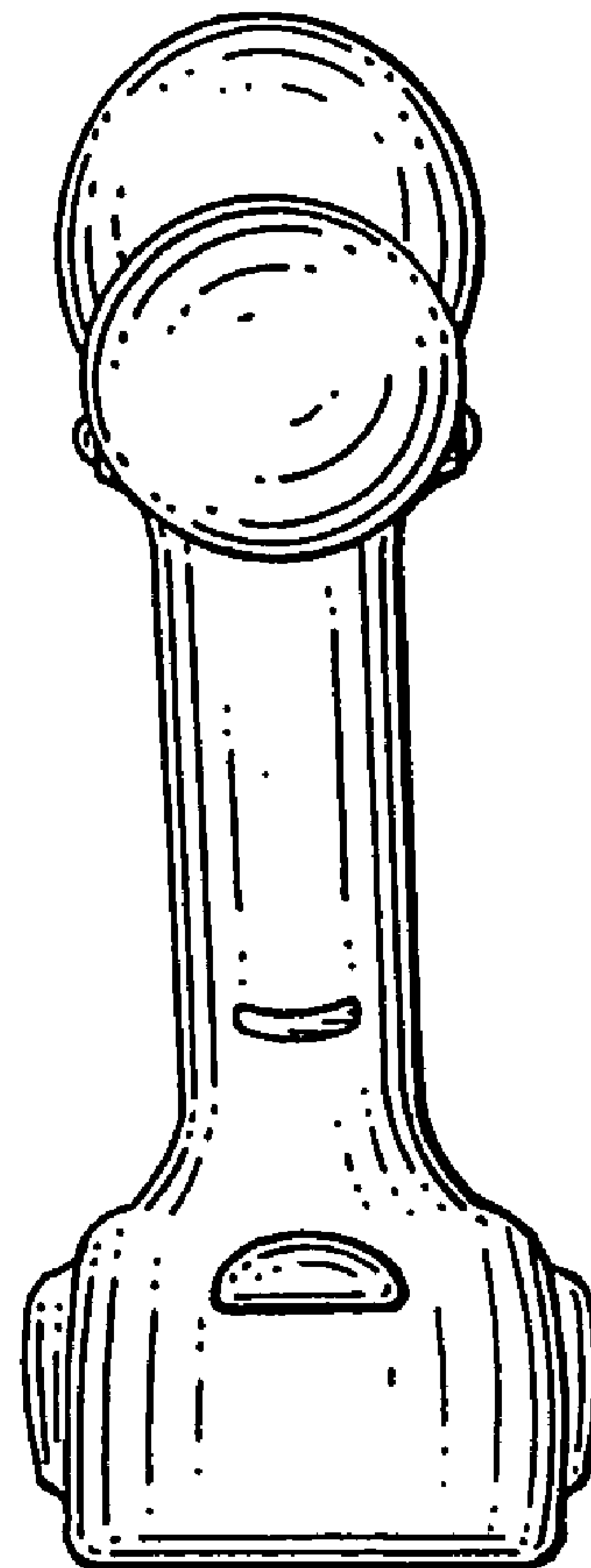


FIG. 10

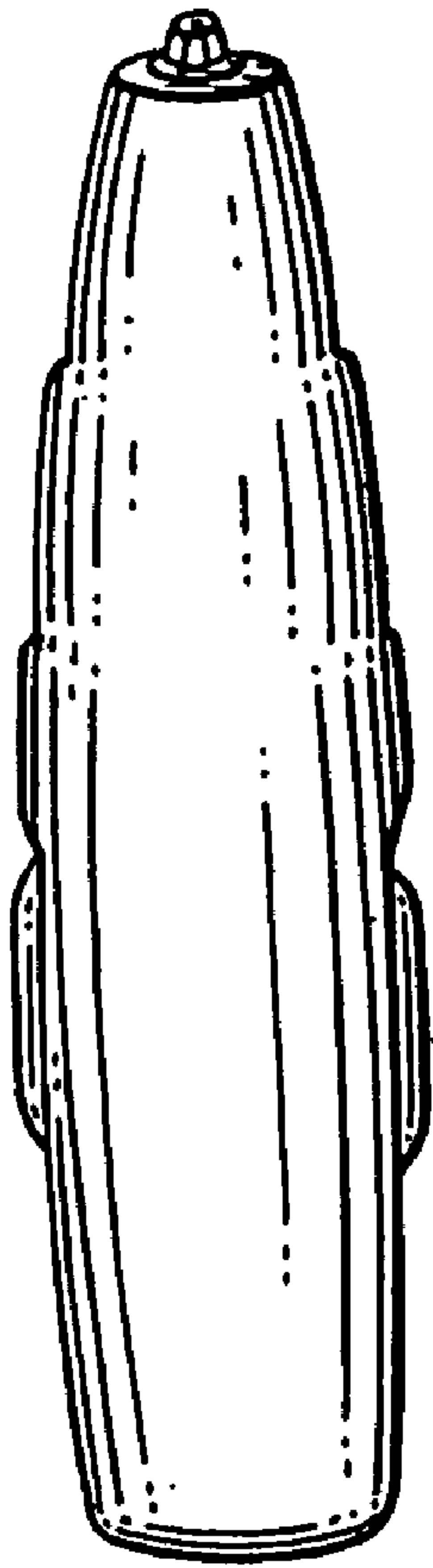


FIG. 11

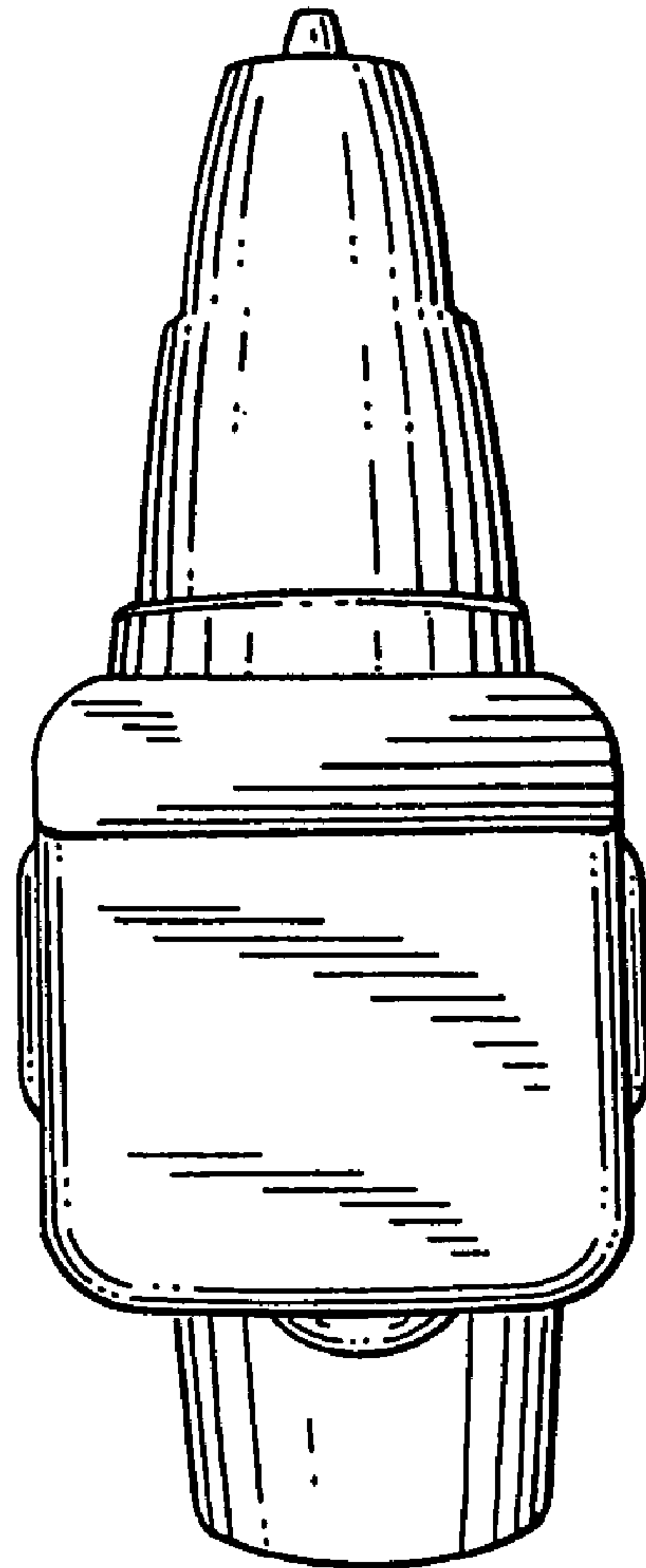


FIG. 12