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

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(45) **Date of Patent:** **** May 7, 2013**

(54) **ELECTROSTIMULATION DEVICE**

D609,197 S * 2/2010 Koskela et al. D24/186
7,693,579 B2 * 4/2010 Hindinger et al. 607/72
D616,990 S * 6/2010 Suzuki D24/186

(75) Inventor: **Dean Nathanson**, Edgware (GB)

(Continued)

(73) Assignee: **Micromode Medical Limited** (GB)

FOREIGN PATENT DOCUMENTS

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

EP 0387176 A1 9/1990
EP 0603451 A1 6/1994

(Continued)

(21) Appl. No.: **29/408,800**

OTHER PUBLICATIONS

(22) Filed: **Dec. 16, 2011**

Cheng et al., "The Effects of Electric Currents on ATP Generation, Protein Synthesis, and Membrane Transport in Rat Skin", Clin. Orthop. Relat. Res., 1982, pp. 264-272, Nov.-Dec.(171).

(51) **LOC (9) Cl.** **28-03**

(52) **U.S. Cl.**

USPC **D24/200**

(Continued)

(58) **Field of Classification Search** D24/200,
D24/206, 209, 210, 214, 215, 113, 170, 186,
D24/187; 607/41, 45, 46, 48, 50, 54-56,
607/58, 66, 72, 74; 600/544, 546

See application file for complete search history.

Primary Examiner — David Muller

(74) *Attorney, Agent, or Firm* — Waddey & Patterson, P.C.;
Emily A. Shouse

(56) **References Cited**

(57) **CLAIM**

What is claimed is the ornamental design for "electrostimulation device," as shown and described.

DESCRIPTION

U.S. PATENT DOCUMENTS

4,180,079	A	12/1979	Wing	
4,745,420	A	5/1988	Gerstenmaier	
4,957,480	A	9/1990	Morenings	
5,318,514	A	6/1994	Hofmann	
5,378,233	A *	1/1995	Haber et al.	D24/113
D362,910	S *	10/1995	Creaghan, Jr.	D24/186
5,607,461	A *	3/1997	Lathrop	607/50
5,688,233	A	11/1997	Hofmann et al.	
5,702,035	A	12/1997	Tsao	
6,249,706	B1	6/2001	Sobota et al.	
6,341,237	B1	1/2002	Hurtado	
6,389,319	B1	5/2002	Lee	
D479,746	S *	9/2003	Tyce	D24/113
D486,234	S *	2/2004	Chernyshev et al.	D24/200
6,801,808	B2	10/2004	Lee	
D545,439	S *	6/2007	Draudt et al.	D24/186
D587,810	S *	3/2009	Weber et al.	D24/186

FIG. 1 is a perspective view from the front and right side of Applicant's invention.

FIG. 2 is a front view thereof.

FIG. 3 is a rear view thereof.

FIG. 4 is a left side view thereof.

FIG. 5 is a right side view thereof.

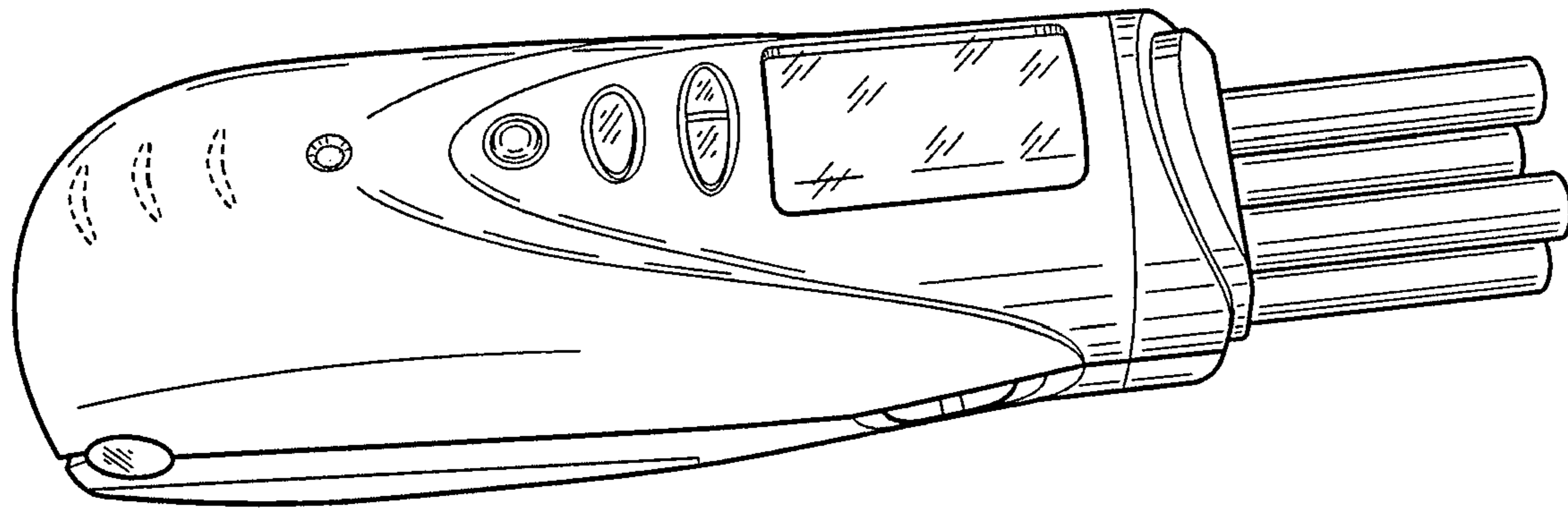
FIG. 6 is a top plan view thereof.

FIG. 7 is a bottom plan view thereof; and,

FIG. 8 is a perspective view thereof from the right side showing one operating state.

The broken line showing of parts of the drawings is included for the purpose of illustrating use and environment and forms no part of the claimed design.

1 Claim, 3 Drawing Sheets



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U.S. PATENT DOCUMENTS

D633,814 S * 3/2011 Nishiyama D24/186
D635,271 S * 3/2011 Azar et al. D24/200
D650,070 S * 12/2011 Mori D24/113
2005/0234516 A1 10/2005 Gueret
2008/0027508 A1 1/2008 Chu
2008/0195181 A1 8/2008 Cole

FOREIGN PATENT DOCUMENTS

FR 2256750 8/1975
GB 2148717 A 6/1985
JP 3162870 A 7/1991

JP 7116267 A 5/1995
JP 2004129928 A 4/2004
WO 0191849 A1 12/2001
WO 2006116728 A2 11/2006

OTHER PUBLICATIONS

UK Application Search Report in Application No. GB1014274.3
dated Oct. 28, 2010.

European Search Report in EP 10 17 4299 dated Dec. 16, 2010.

* cited by examiner

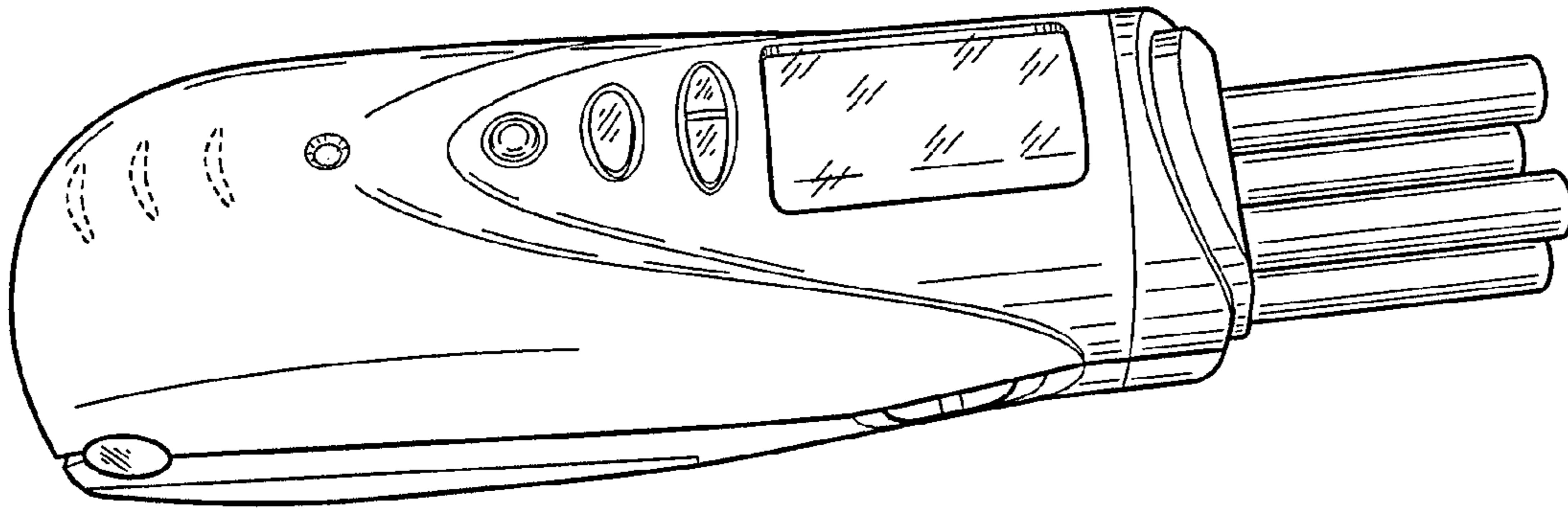


FIG. 1

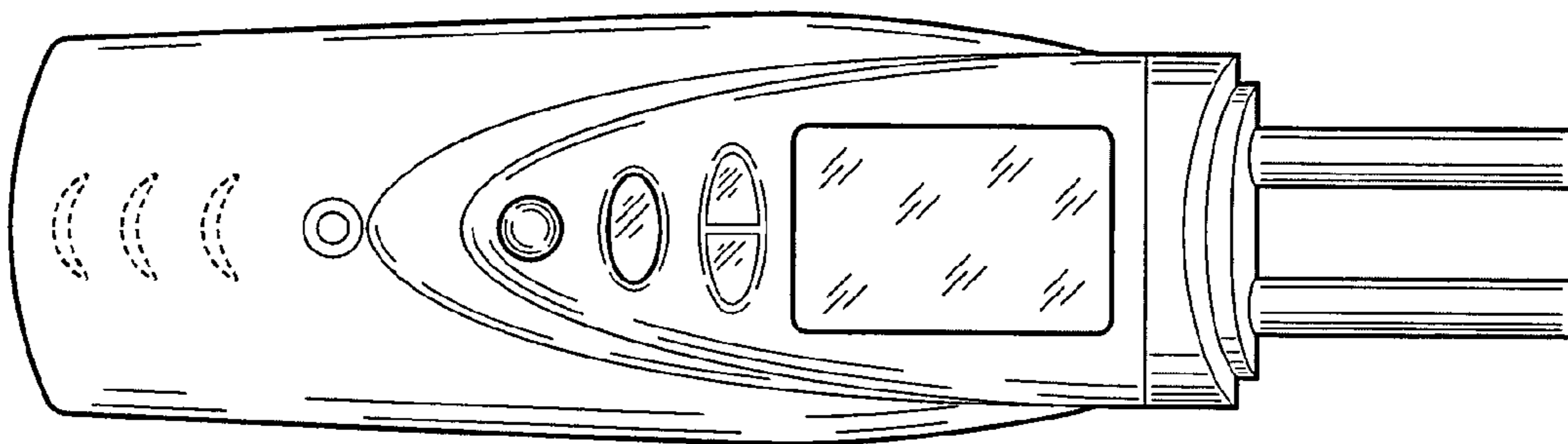


FIG. 2

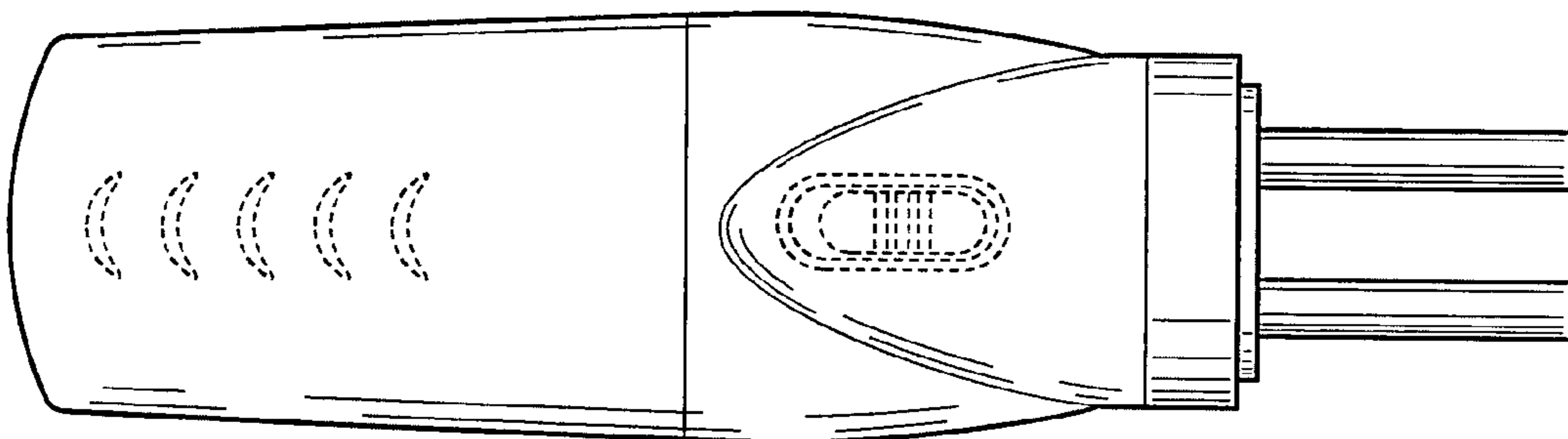


FIG. 3

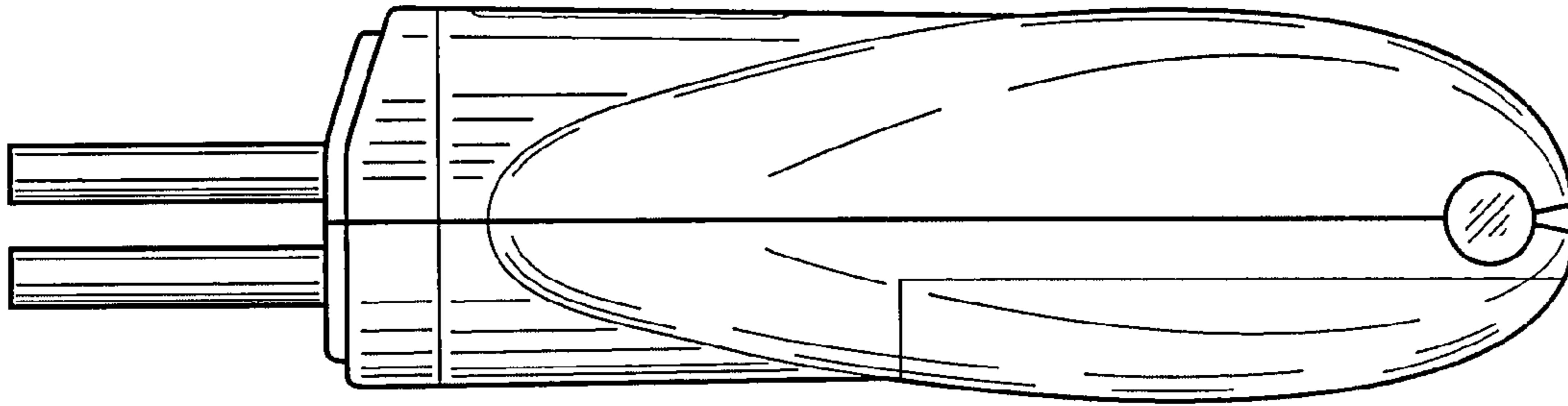


FIG. 4

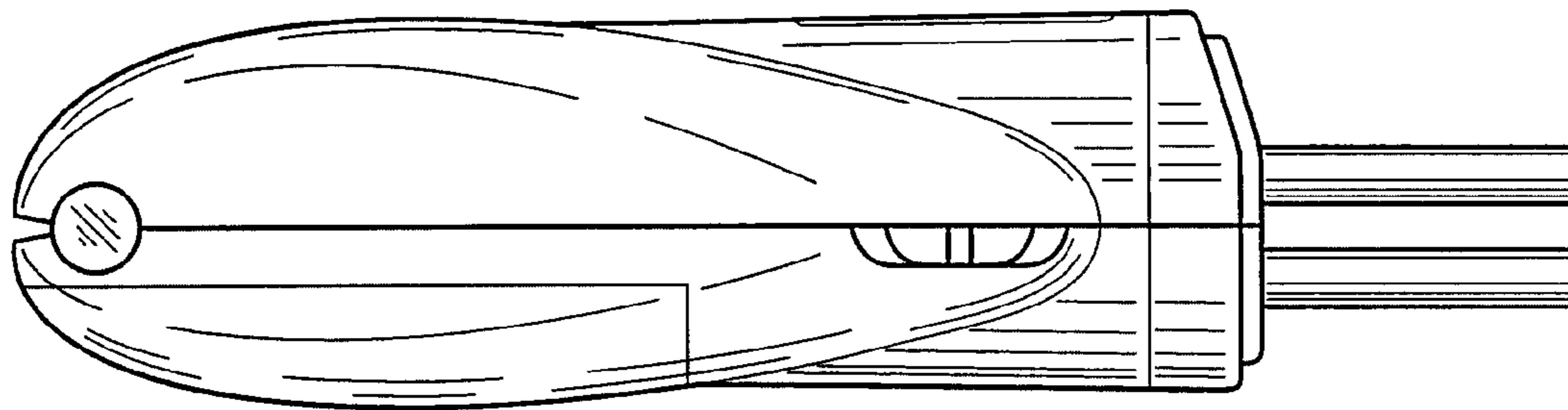


FIG. 5

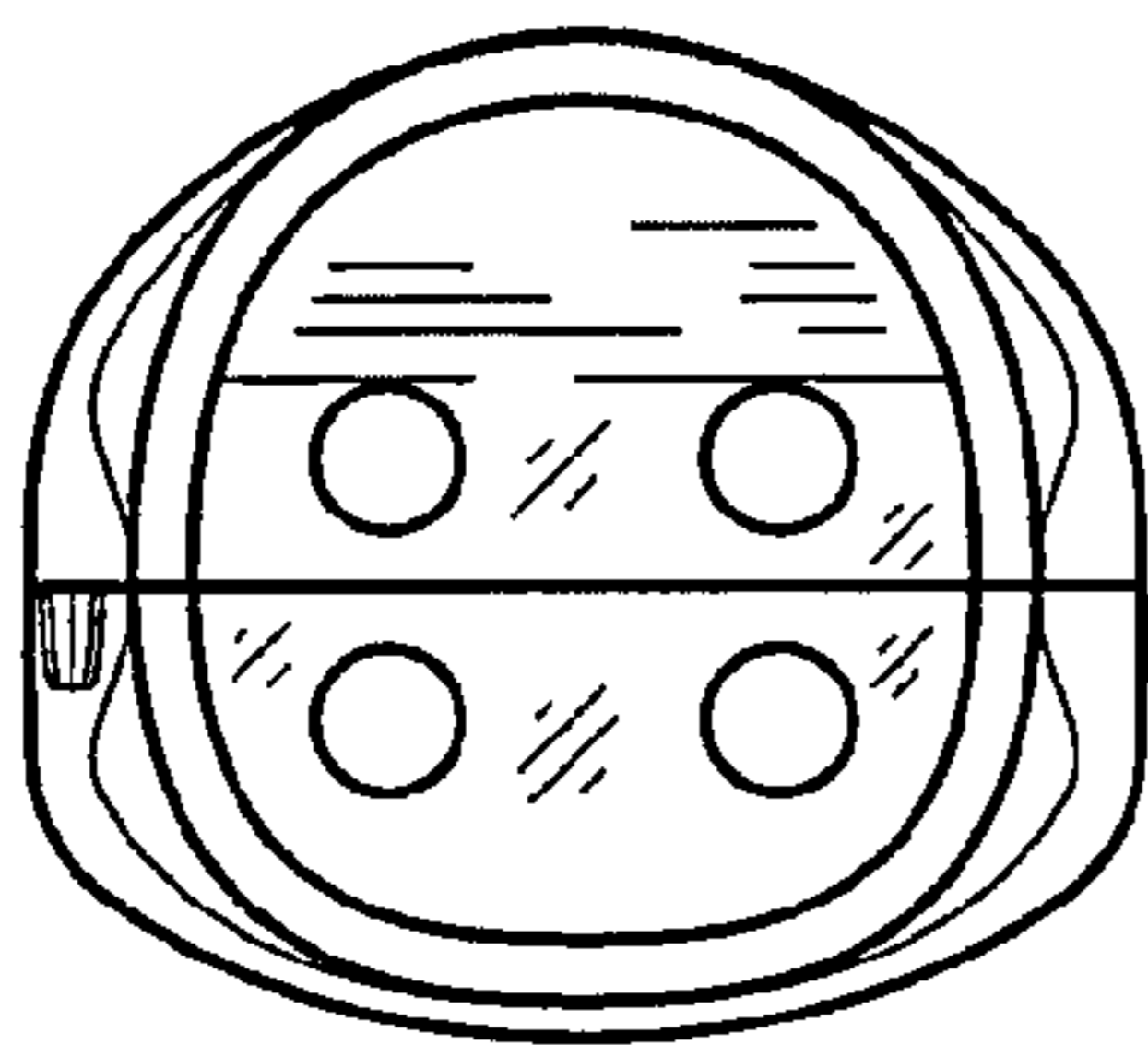


FIG. 6

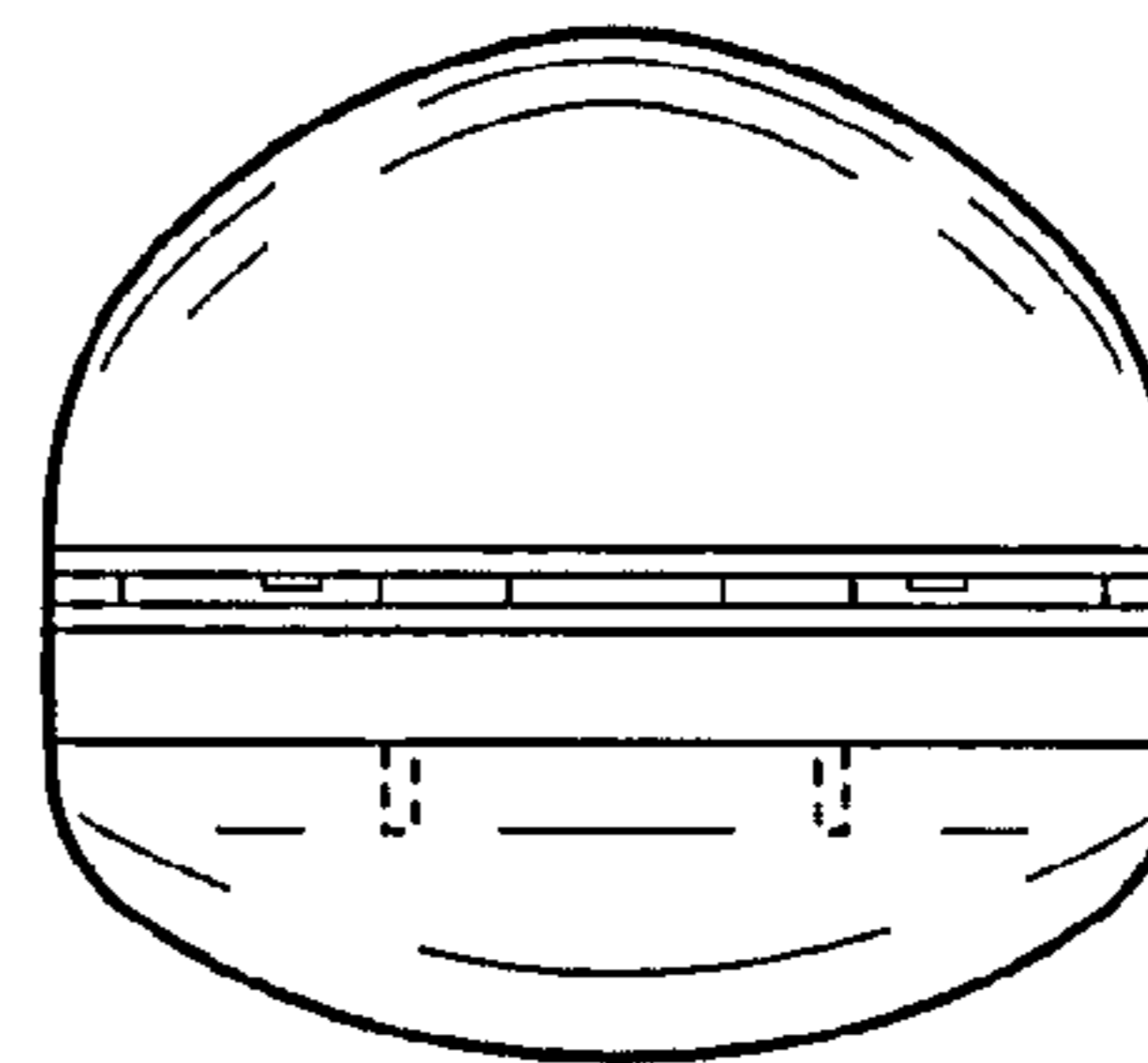


FIG. 7

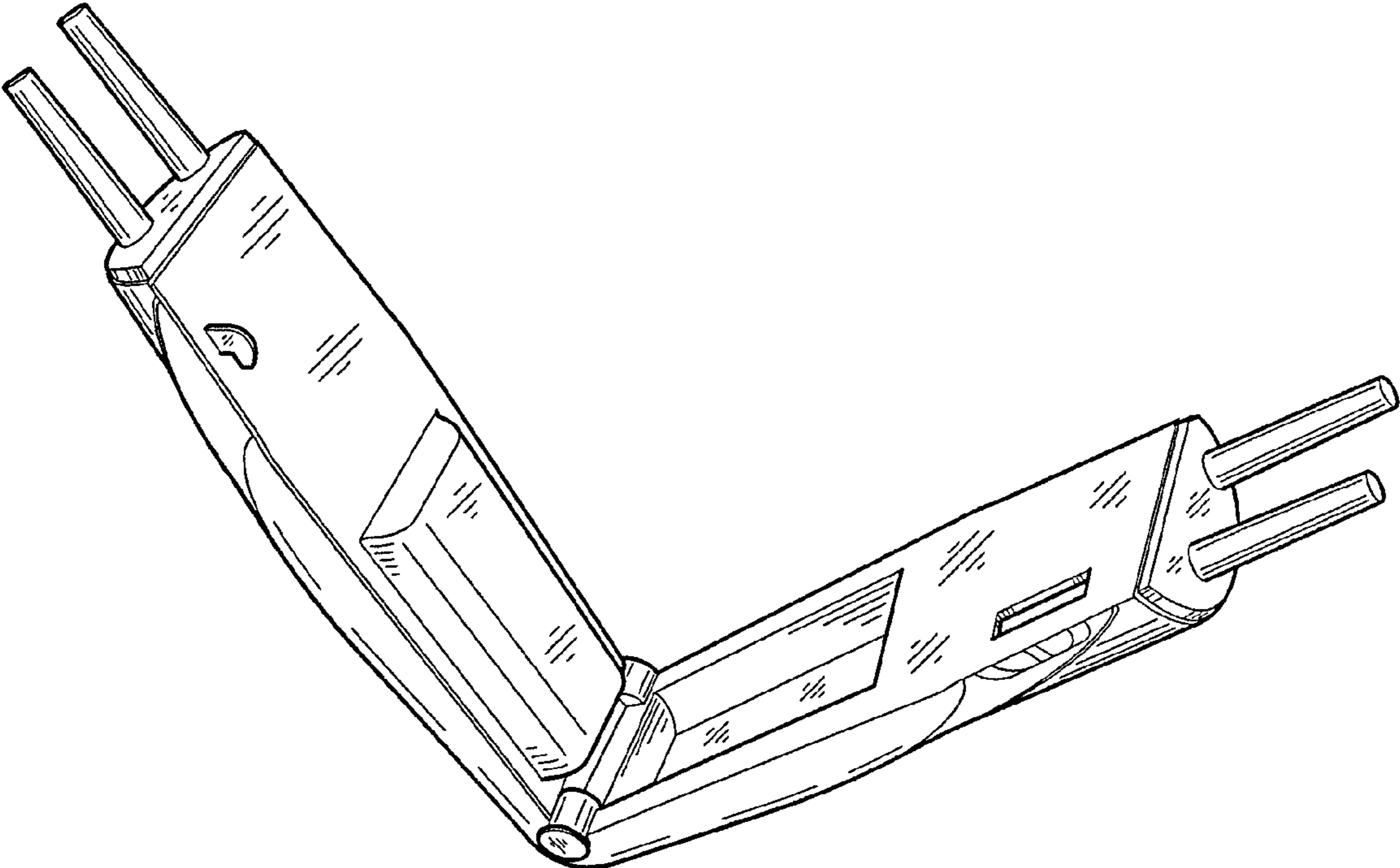


FIG. 8