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United States Patent [19]

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Hooper et al.

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- [54] **IMPLANTABLE MEDICAL HOUSING**
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Minn.
- [73] Assignee: **Medtronic, Inc., Minneapolis, Minn.**
- [**] Term: **14 Years**
- [21] Appl. No.: **766,143**
- [22] Filed: **Sep. 26, 1991**
- [52] U.S. Cl. **D24/167; D24/155**
- [58] Field of Search **D24/155, 167, 169, 187;**
128/419 P, 419 PG, 419 PS, 419 D

[56] References Cited

U.S. PATENT DOCUMENTS

- D. 269,205 5/1983 Langer et al. D24/167
- D. 280,930 10/1985 Speicher et al. D24/167
- D. 316,145 4/1991 Wure D24/167
- 4,545,381 10/1985 Bournay, Jr. et al. 128/419 P
- 4,919,135 4/1990 Phillips, Jr. et al. 128/419 P
- 5,144,946 9/1992 Weinberg et al. 128/419 P

OTHER PUBLICATIONS

- (1 page) Biotec International, S.p.A. (Bologna, Italy); "Pacemaker Brochure: RDP3™ Model"; Doc. No. 50-00-20; Mar. 1985 (page number unknown).
- (1 page) Biotronik, Mess-und Therapiegerate GmbH & Co. (Munich, Germany); "Pacemaker Brochure: ER-GOS™ Model"; (document number, date and page number unknown).
- (1 page) Biotronik, Mess-und Therapiegerate GmbH & Co.; "Pacemaker Brochure: KALOS™ Model 03"; (document number, date and page number unknown).
- (1 page) Cardiac Control Systems, Inc. (Palm Coast, Fla.); "Pacemaker Brochure: MAESTRO® Series 500 and 100"; Doc. No. S02-PG-505-B.E.; May 1985; (page number unknown).
- (1 page) Cardiac Pacemakers, Inc. (St. Paul, Minn.); "Pacemaker Physician's Manual: ASTRA™ 6 Models 429, 529 and 629"; Doc. No. 351481-004 D; (date unknown); cover pages.

(1 page) Cardiac Pacemakers, Inc.; "Pacemaker Physician's Manual: ASTRA™ T2 Models 437, 537 and 637"; Doc. No. 351576-003 D; (date unknown); cover pages.

(1 page) Cardiac Pacemakers, Inc.; "Pacemaker Data Sheet: MINILITH® Model 0508"; Doc. No. 7-09-8-087; (date and page number unknown).

(1 page) Intermedics, Inc. (Freeport, Tex.); "Pacemaker Physician's Manual: AVIUS™ Model 263-01"; Doc. No. 1M01-AV-202; Apr. 1982; cover pages.

(1 page) Intermedics, Inc.; "Pacemaker Brochure: NO-VA™ II Models 281-05 and 282-04"; Doc. No. MP 32/1598; 1986; (page number unknown).

(1 page) Intermedics, Inc.; "Pacemaker Physician's Manual: QUANTUM® Models 253-25 and 254-30"; Doc. No. MD 08/2082; May 1987; cover pages.

(4 pages) Medtronic, Inc. (Mpls, MN); "Medtronic Pacemaker Pocket Reference Guide: BYREL® Model 5992, MINIX™ Models 8340, 8341 & 8342, SPECTRAX®SXT Models 8420, 8422 & 9423, XYREL®

(List continued on next page.)

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[57] CLAIM

The ornamental design for an implantable medical housing, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a implantable medical housing showing our new design, viewing from the front and right side thereof;

FIG. 2 is an elevational view of the left side thereof;

FIG. 3 is an elevational view of the front side thereof;

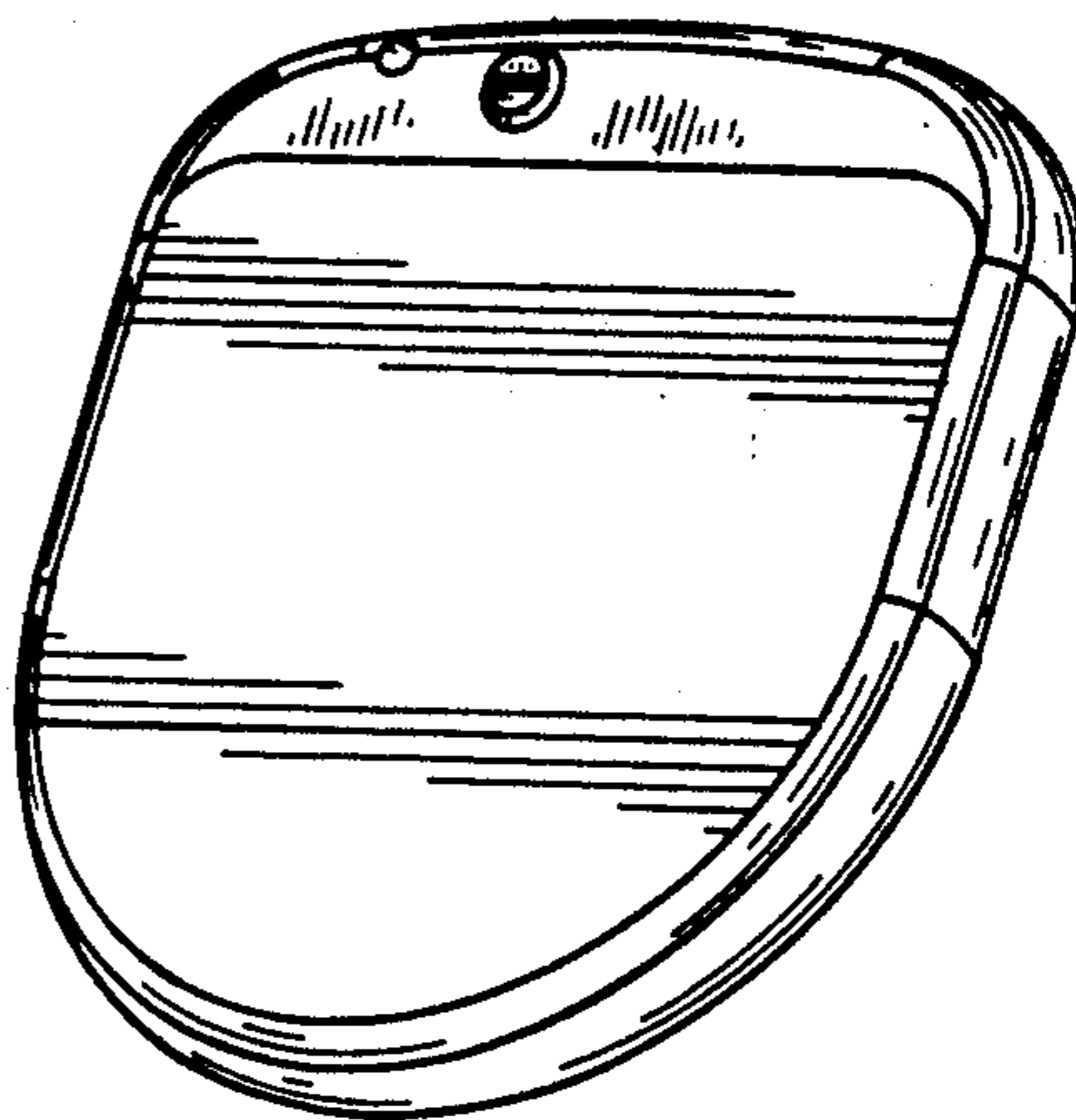
FIG. 4 is an elevational view of the right side thereof;

FIG. 5 is a plan view of the top side thereof;

FIG. 6 is an elevational view of the back side thereof;

and,

FIG. 7 is a plan view of the bottom side thereof.



OTHER PUBLICATIONS

VL Models 5972 & 5973, MIREL® VM Models 5982 & 5983"; Doc. No. UC 8801852 EN; Mar. 1988; pp. 14, 21-22, 32 & 38.

(1 page) Pacesetter Systems, Inc. (Sylmar, Calif.); "Pacemaker Technical Manual for AFP™ Cardiac Pacing System: Models 261, 262, 273, 275, 277, 281 and 283"; Doc. No. 919 0515-001/Rev. C; 1985; cover page.

(1 page) Pacesetter Systems, Inc.; "Pacemaker Physician's Manual: PARAGON™ Models 2010T and 2012T"; Doc. No. 919 0549-001/Rev. C; Sep. 1988; cover page.

(1 page) Pacesetter Systems, Inc.; "Pacemaker Technical Manual: PHOENIX® 2 Models 2005 and 2008"; Doc. No. 919 0867-001; 1990; cover page.

(1 page) Pacesetter Systems, Inc.; "Pacemaker Technical Manual: DIALOG® II Models 2037T and 2038T"; (document number unknown); 1990; cover page.

(1 page) Siemens Aktiengesellschaft (Munich, Germany); "Pacemaker Physician's Manual: DIALOG™ Models 718, 718B and 718L"; Doc. No. AG 03855; Mar. 1985; cover page.

(1 page) Sorin Biomedica (Saluggia, Italy); "Pacemaker Brochure: PHYSIOCOR® Model 400L"; Doc. No. 32 001; Jun. 1990; cover page.

(1 page) Telectronics N.V. (Antilles, Netherlands); "Pacemaker Physician's Manual: PASAR™ Models

4151 and 4161"; Doc. No. 100-101/Issue 1; Dec. 1981; p. 16.

(1 page) Telectronics N.V.; "Pacemaker Physician's Manual: OPTIMA™ MPT Models 5281A and 5282A"; Doc. No. 100-537 Issue 2; Apr. 1985; p. 12.

(1 page) TUR-Herzeiztechnik (Saale, Germany); "Photograph of German Pacemaker: TUR Model LCP 211L"; (Medtronic, Inc. internal photograph dated Apr. 13, 1990); (no page number).

(1 page) Vitatron Medical B.V. (Dieren, Netherlands); "Pacemaker Brochure: CERYX® 6 Series Models 611 et al."; (no document number); 1985; (page number unknown).

(1 page) Vitatron Medical B.V.; "Pacemaker Brochure: FINESSE™ Series Models 201 et al."; (no document number); (date unknown); cover page.

(1 page) Vitatron Medical B.V.; "Pacemaker Brochure: QUINTECH™ DDD Model 931"; (no document number); (date and page number unknown).

(1 page) Vitatron Medical B.V.; "Pacemaker Brochure: RHYTHMYX™ Model 501"; (no document number); (date unknown); cover page.

(1 page) Vitatron Medical B.V.; "Pacemaker Brochure: Model C 5122"; (no document number); (date unknown); cover page.

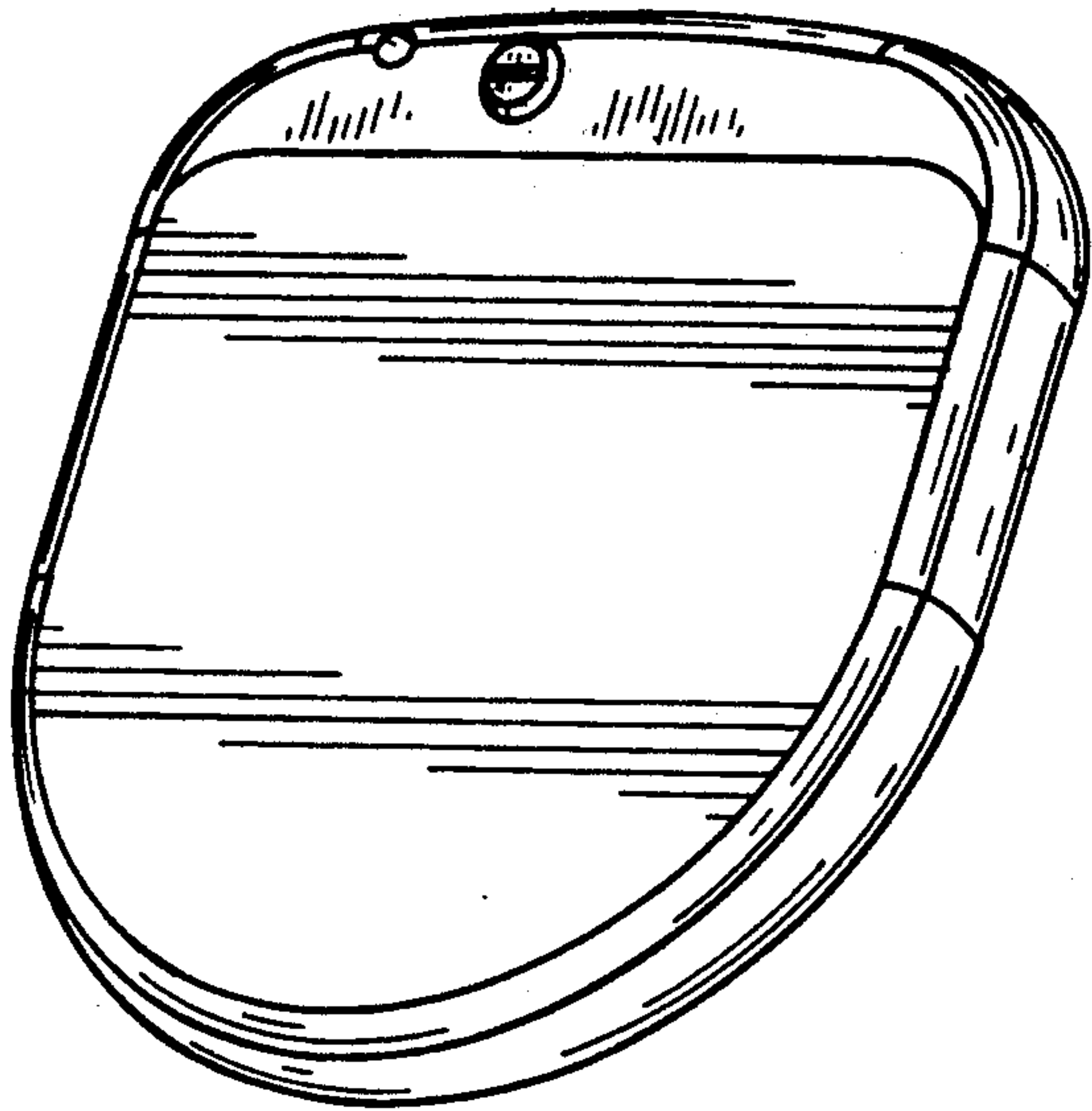


FIG. 1

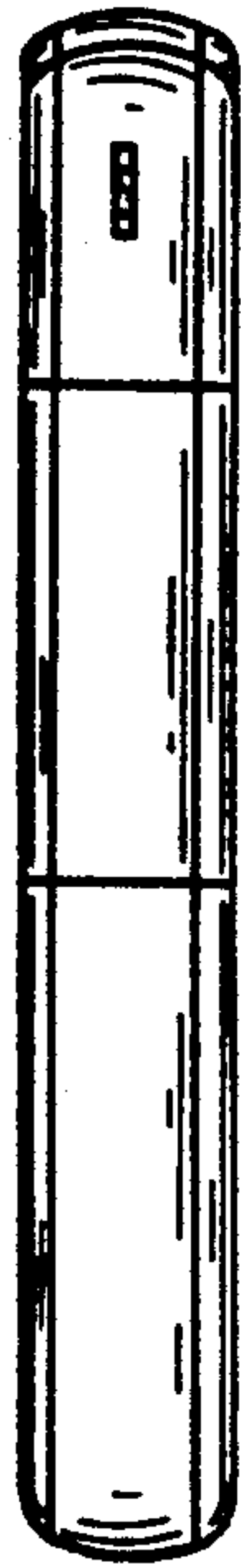


FIG. 2

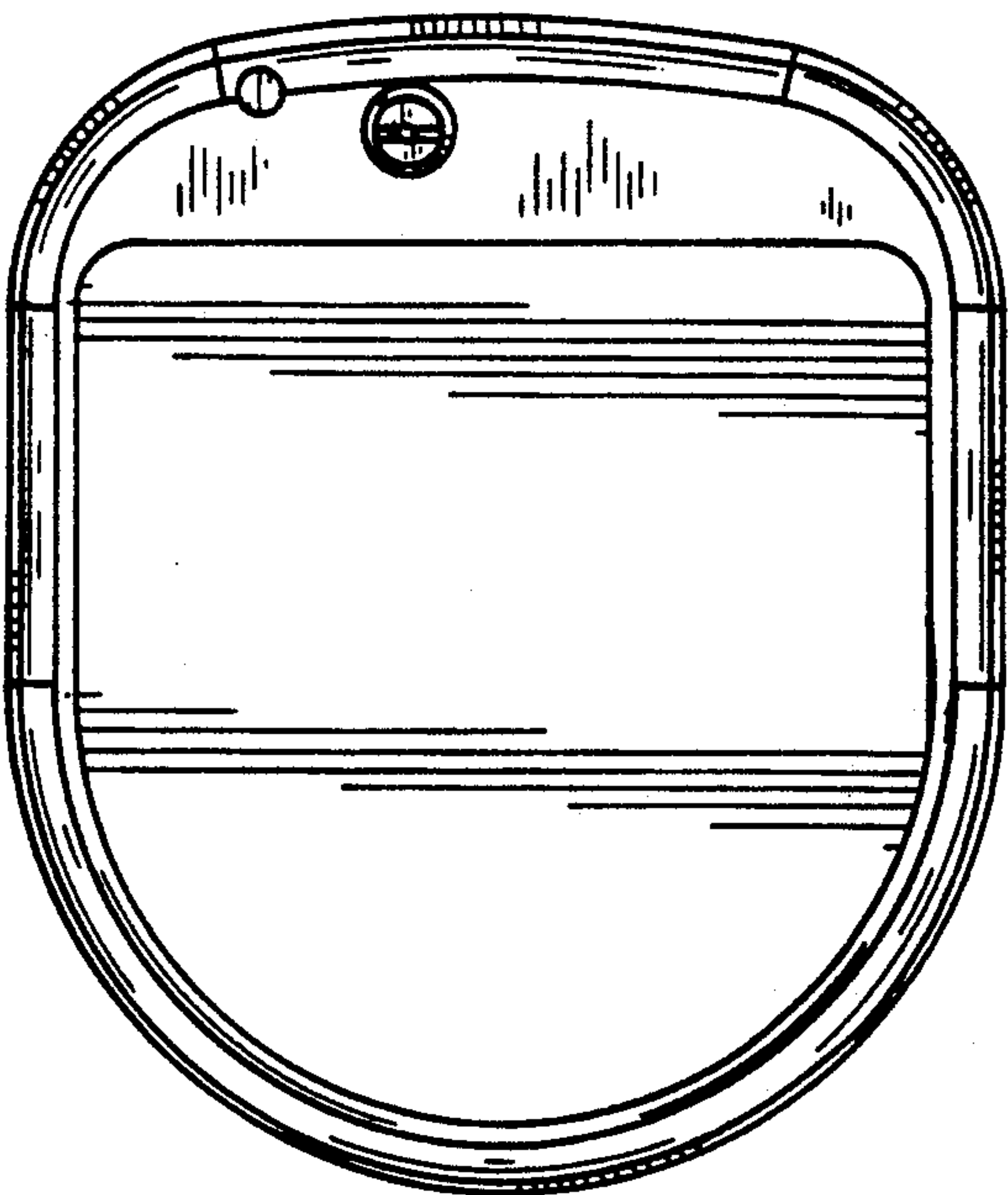


FIG. 3

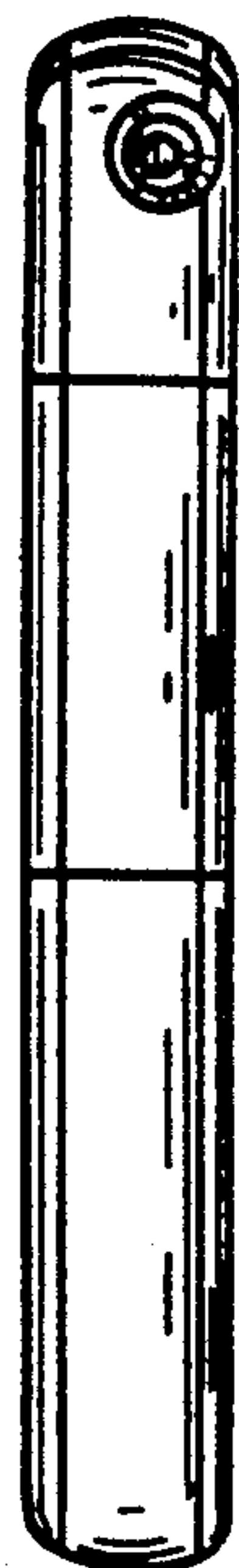


FIG. 4

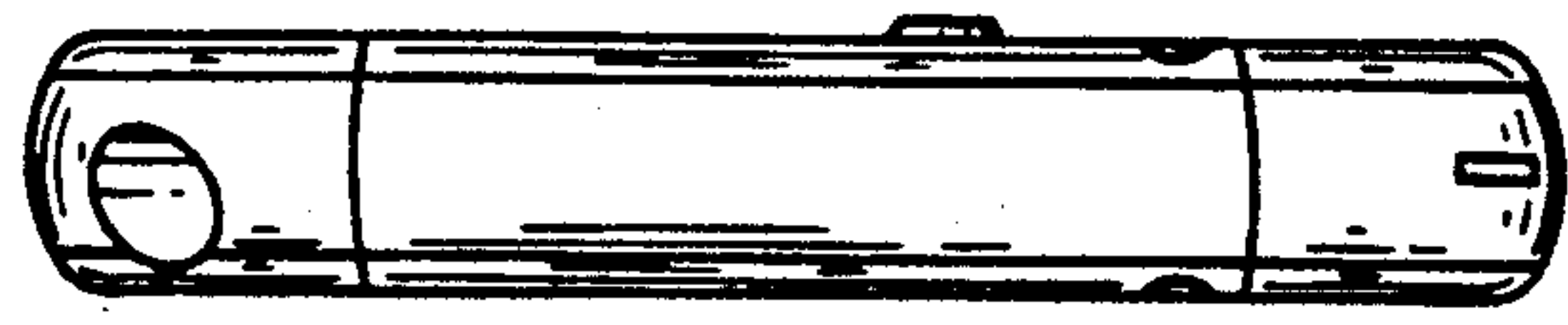


FIG. 5

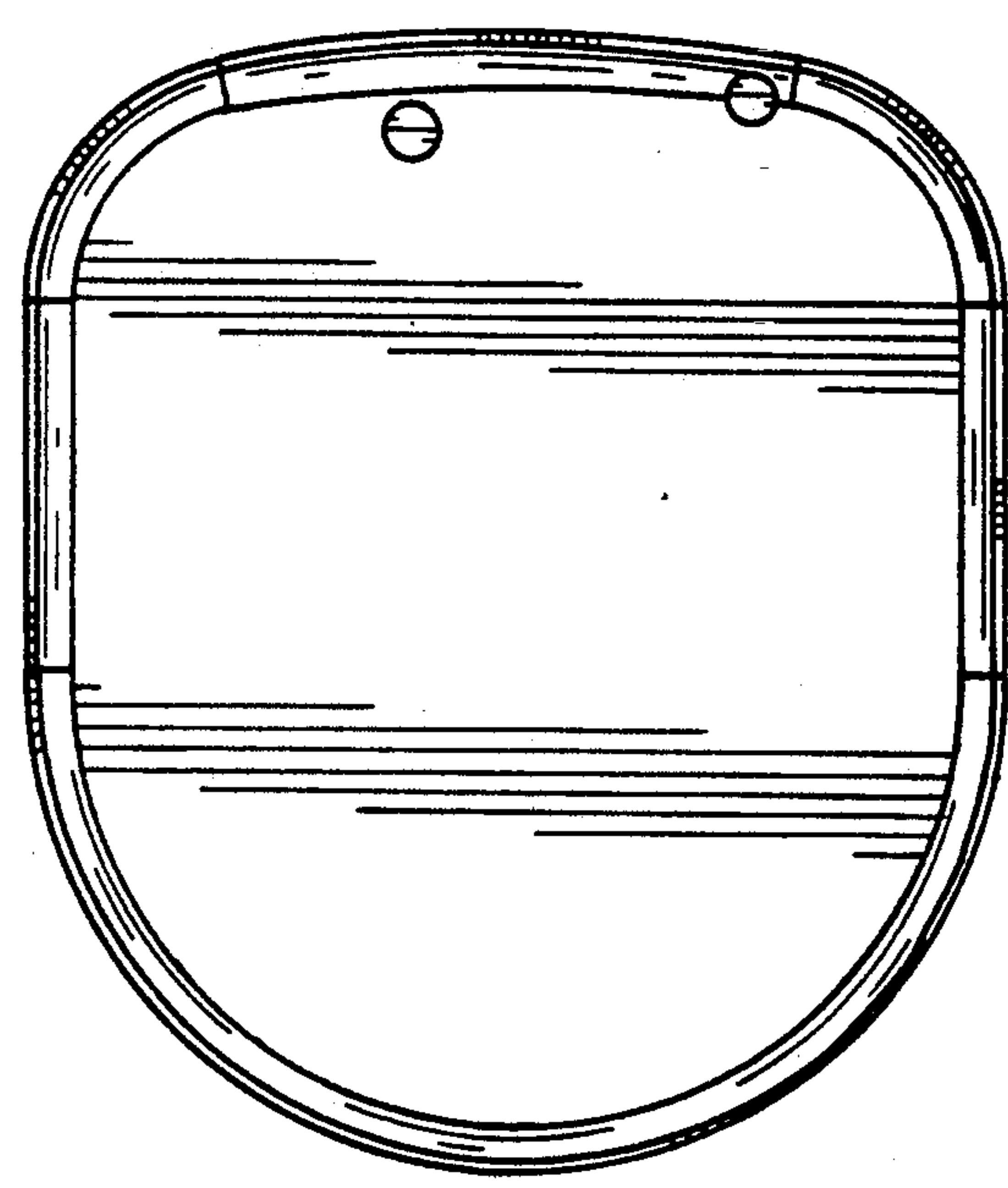


FIG. 6

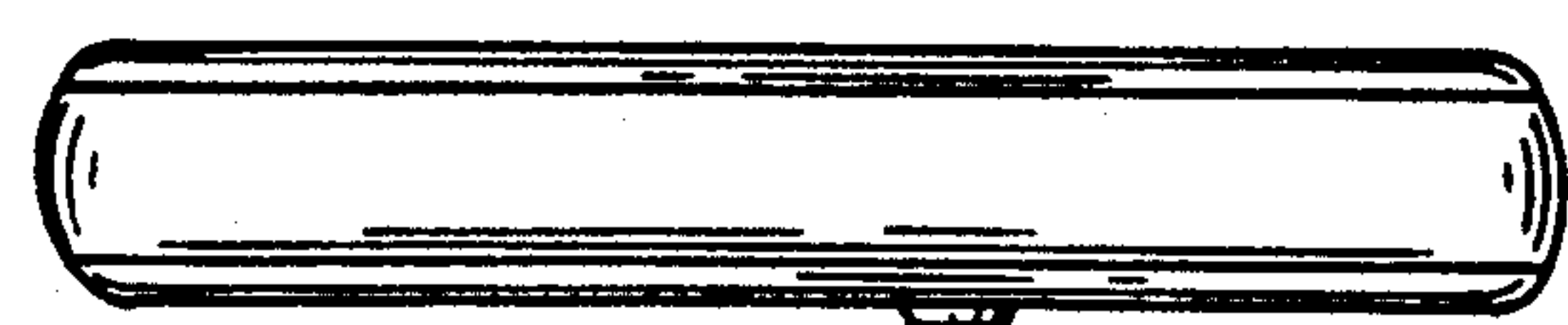


FIG. 7