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United States Patent [19]

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Scenna et al.

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[54] **ERGONOMIC HOUSING FOR A COMPUTER MOUSE**

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[73] Assignee: **Contour Design, Inc.**, Lowell, Mass.

[**] Term: **14 Years**

[21] Appl. No.: **50,715**

[22] Filed: **Feb. 23, 1996**

Related U.S. Application Data

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[51] LOC (6) Cl. **14-02**

[52] U.S. Cl. **D14/114**

[58] Field of Search D14/100, 114;
D21/13, 48; D13/158; 74/471 XY; 200/5 A,
5 R, 6 A, 6 R; 178/18, 19; 273/148 B;
345/156-167

References Cited

U.S. PATENT DOCUMENTS

D. 302,426	7/1989	Bradley et al.	D14/114
D. 306,017	2/1990	Shulman et al.	D14/114
D. 314,194	1/1991	Norris	D14/114
D. 326,848	6/1992	Shiraishi	D14/114
D. 331,231	11/1992	Yang	D14/114
D. 337,321	7/1993	Koh et al.	D14/114
D. 349,280	8/1994	Kaneko	D14/114
D. 372,904	8/1996	Lo	D14/114
D. 373,760	9/1996	Willheim	D14/114
D. 373,999	9/1996	Staats	D14/114
D. 374,867	10/1996	Canavan	D14/114
4,862,165	8/1989	Gart	341/20
5,157,381	10/1992	Cheng	340/710
5,203,845	4/1993	Moore	248/118
5,287,090	2/1994	Grant	345/163
5,340,067	8/1994	Martin et al.	248/118.5
5,414,445	5/1995	Kaneko et al.	345/163

OTHER PUBLICATIONS

E. Y. Chao et al., "Three-Dimensional Force Analysis of Finger Joints In Selected Isometric Hand Functions", pp. 387-396.

T.J. Armstrong, et al., "Some Bionmechanical Aspects of the Carpal Tunnel", pp. 567-570.

D.A. Ranney et al., "Lumbrical function: Interaction of lumbrical contraction with the elasticity of the extrinsic finger muscles and its effect on metacarpophalangeal equilibrium", *The Journal of Hand Surgery*, pp. 566-574, vol. 12, No. 4, Jul., 1987.

D. Greenwald et al., "Dynamic Analysis of Profundus Tendon Function", *The Journal of Hand Surgery*, pp. 626-635, vol. 19A, No. 4, Jul., 1994.

Copy of patent search results entitled "Patent Search for Multipoint of Lowell", MA, Aug. 1, 1994.

M. Hagberg, Handout—*International Conference on Occupational Disorders of the Upper Extremity*, "Symptoms and disorders related to keyboard and computer mouse use", pp. 1-6, Oct. 6, 1994.

R.M. Szabo et al., "Median Nerve Displacement Through the Carpal Canal", *The Journal of Hand Surgery*, pp. 901-906, vol. 19A, No. 6, Nov. 1994.

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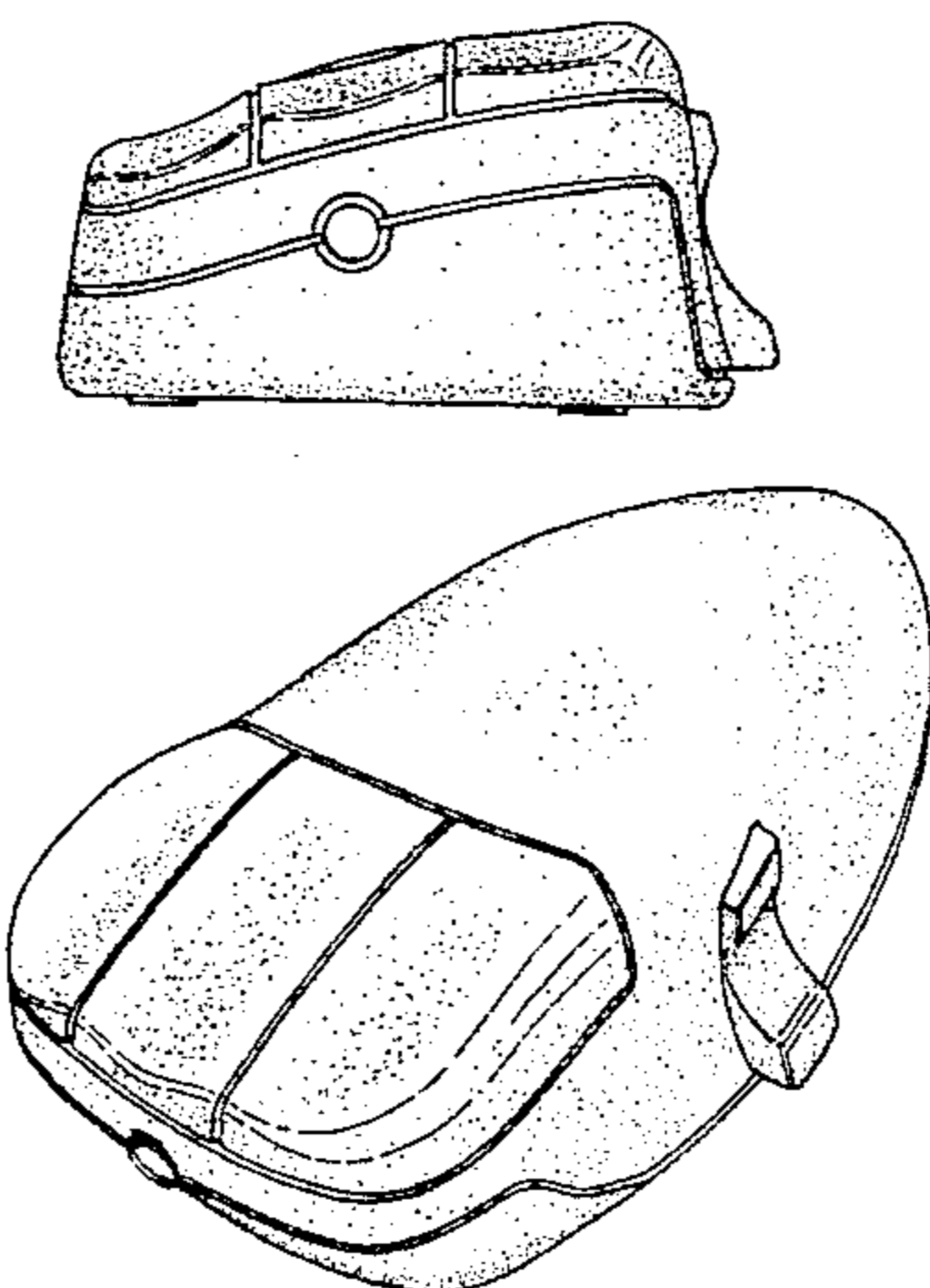
[57] CLAIM

The ornamental design for an ergonomic housing for a computer mouse, as shown.

DESCRIPTION

FIG. 1 is a front elevational view of an ergonomic housing for a computer mouse embodying our new design; FIG. 2 is a rear elevational view thereof; FIG. 3 is a left side elevational view thereof; FIG. 4 is a right side elevational view thereof; FIG. 5 is a top plan view thereof; FIG. 6 is a bottom plan view thereof; FIG. 7 is a right front perspective view thereof; FIG. 8 is a left front perspective view thereof; FIG. 9 is a right rear perspective view thereof; and, FIG. 10 is a left rear perspective view thereof.

1 Claim, 5 Drawing Sheets



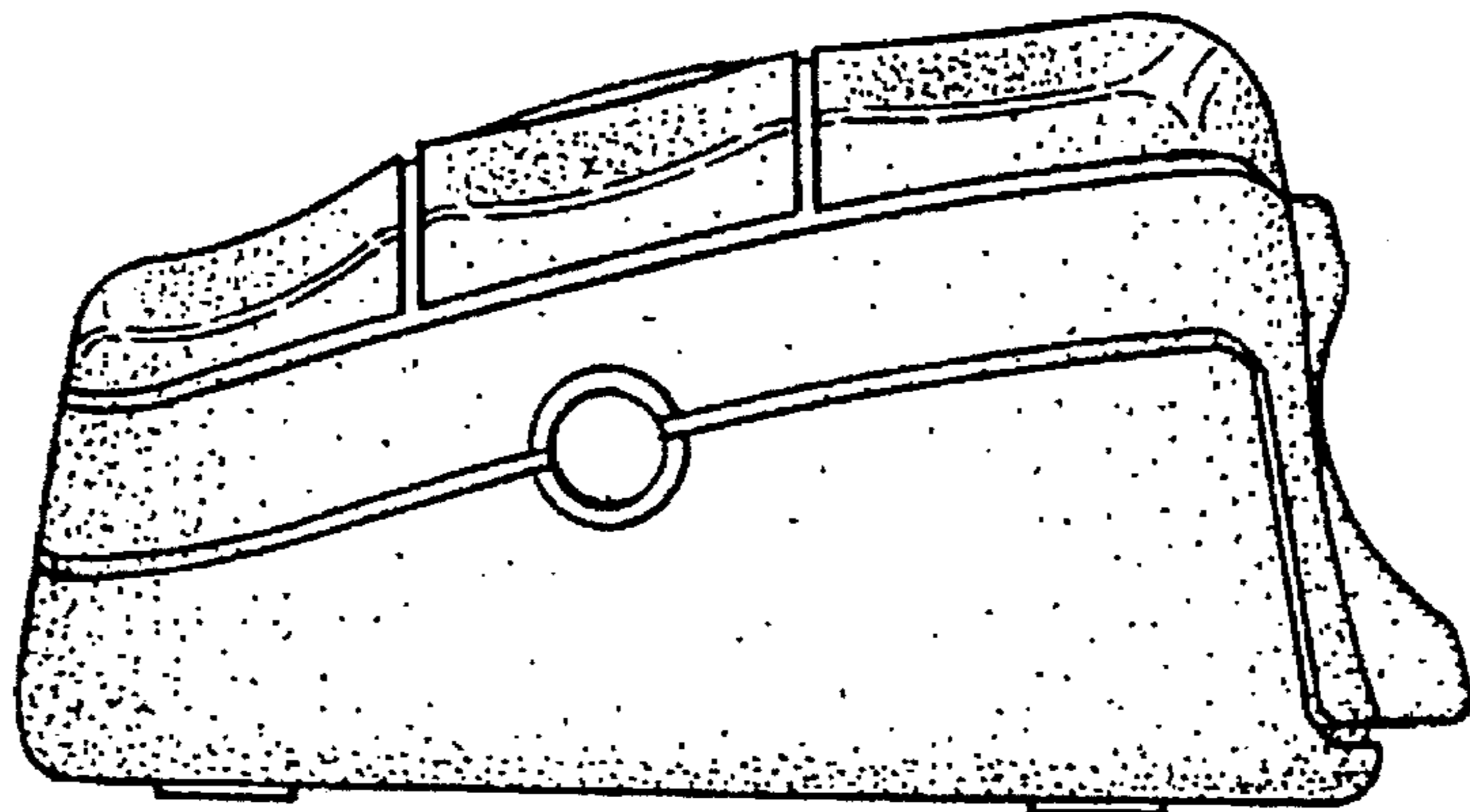


FIG. 1

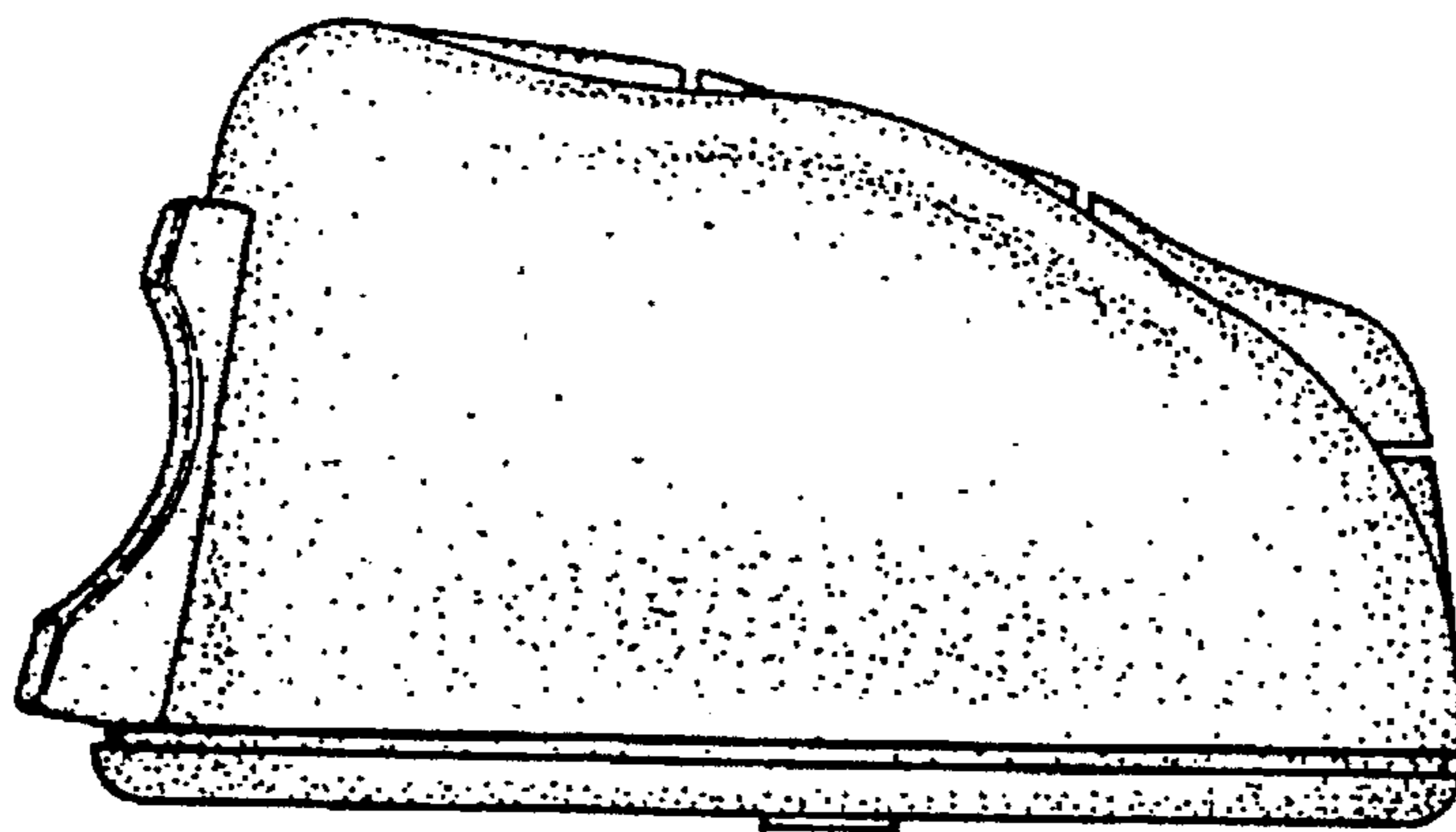


FIG. 2

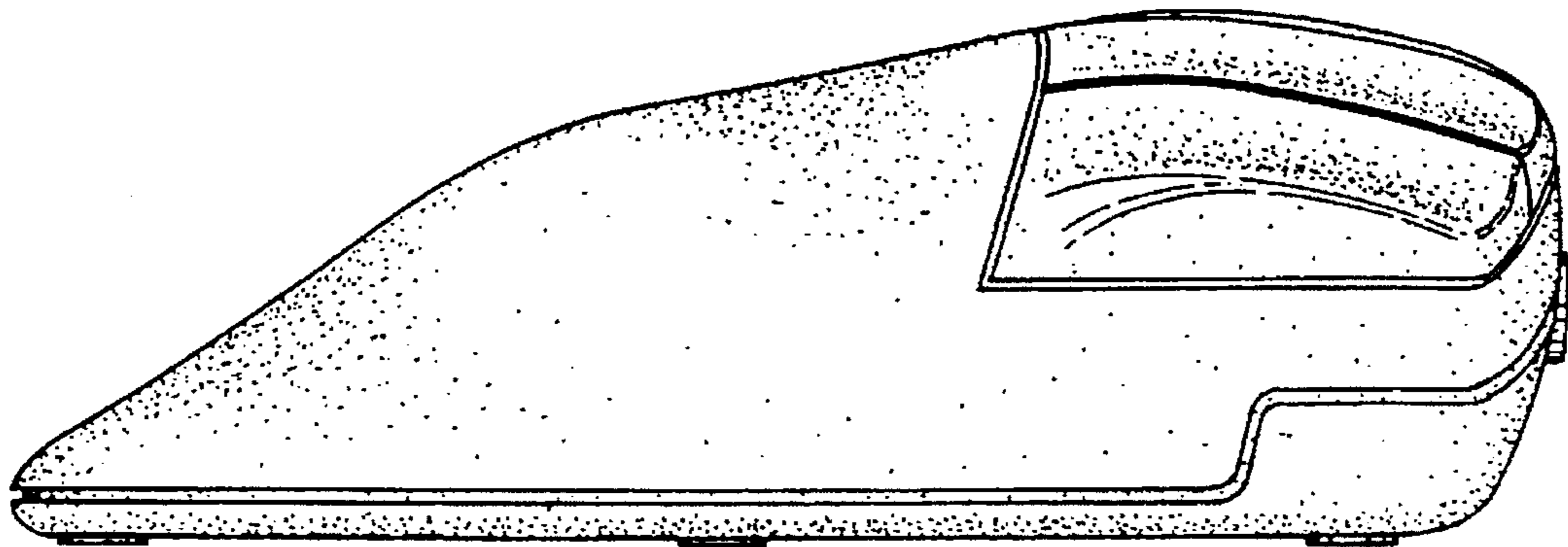


FIG. 3

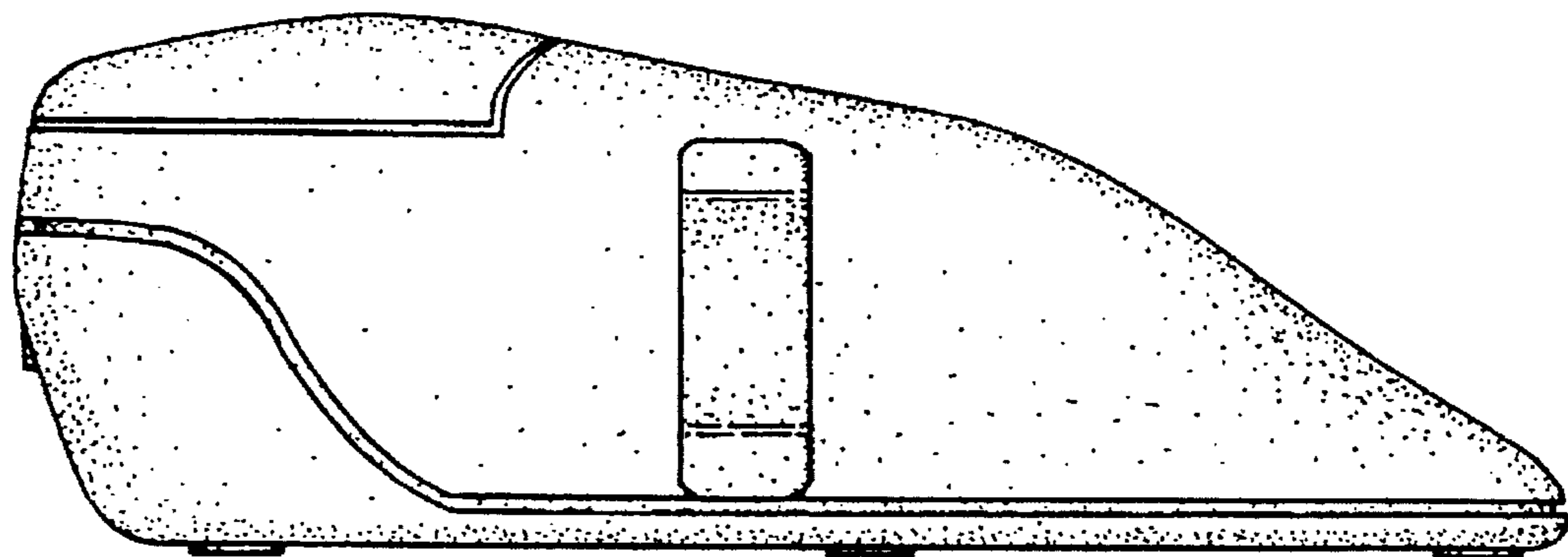


FIG. 4

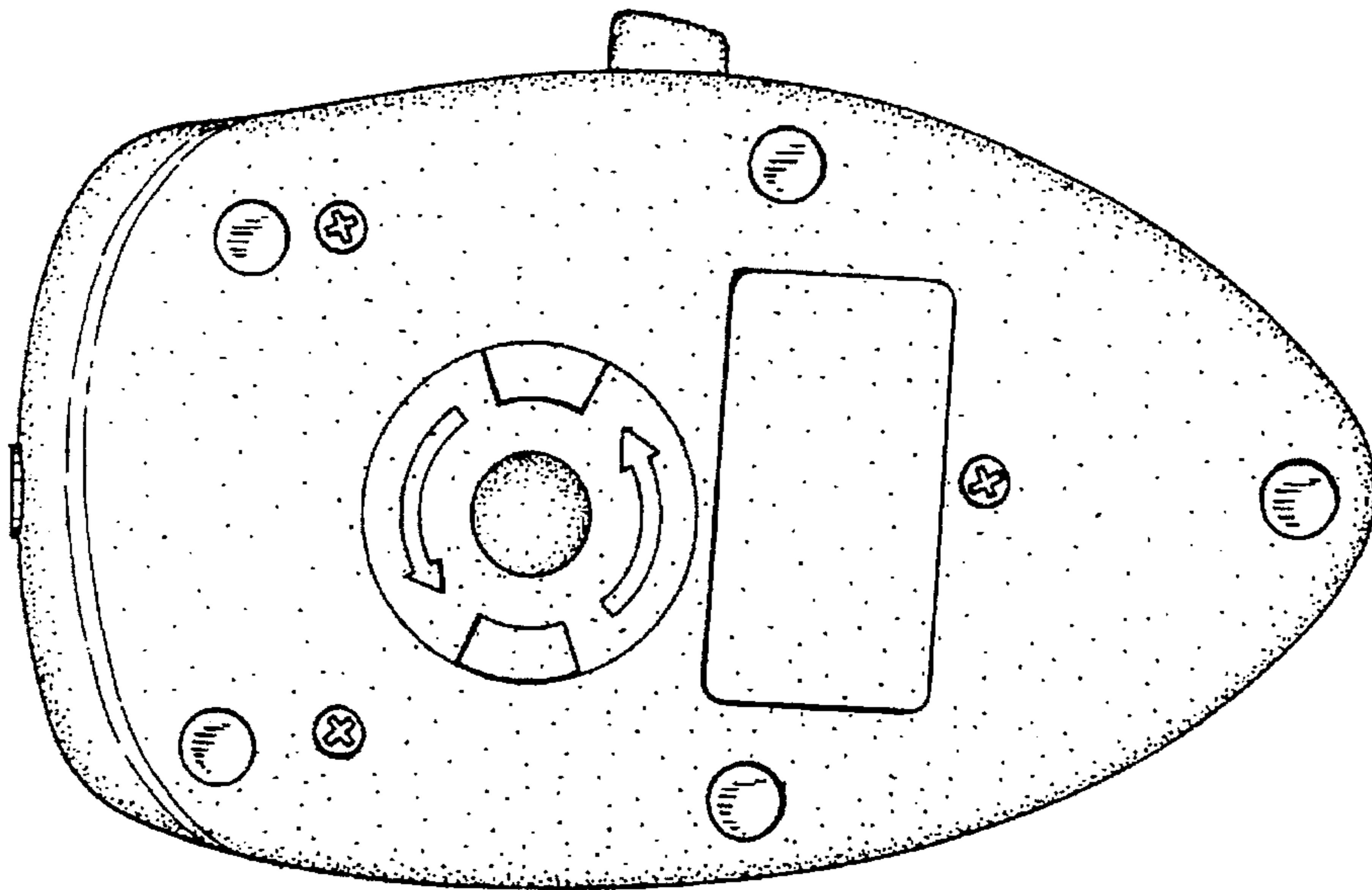


FIG. 6

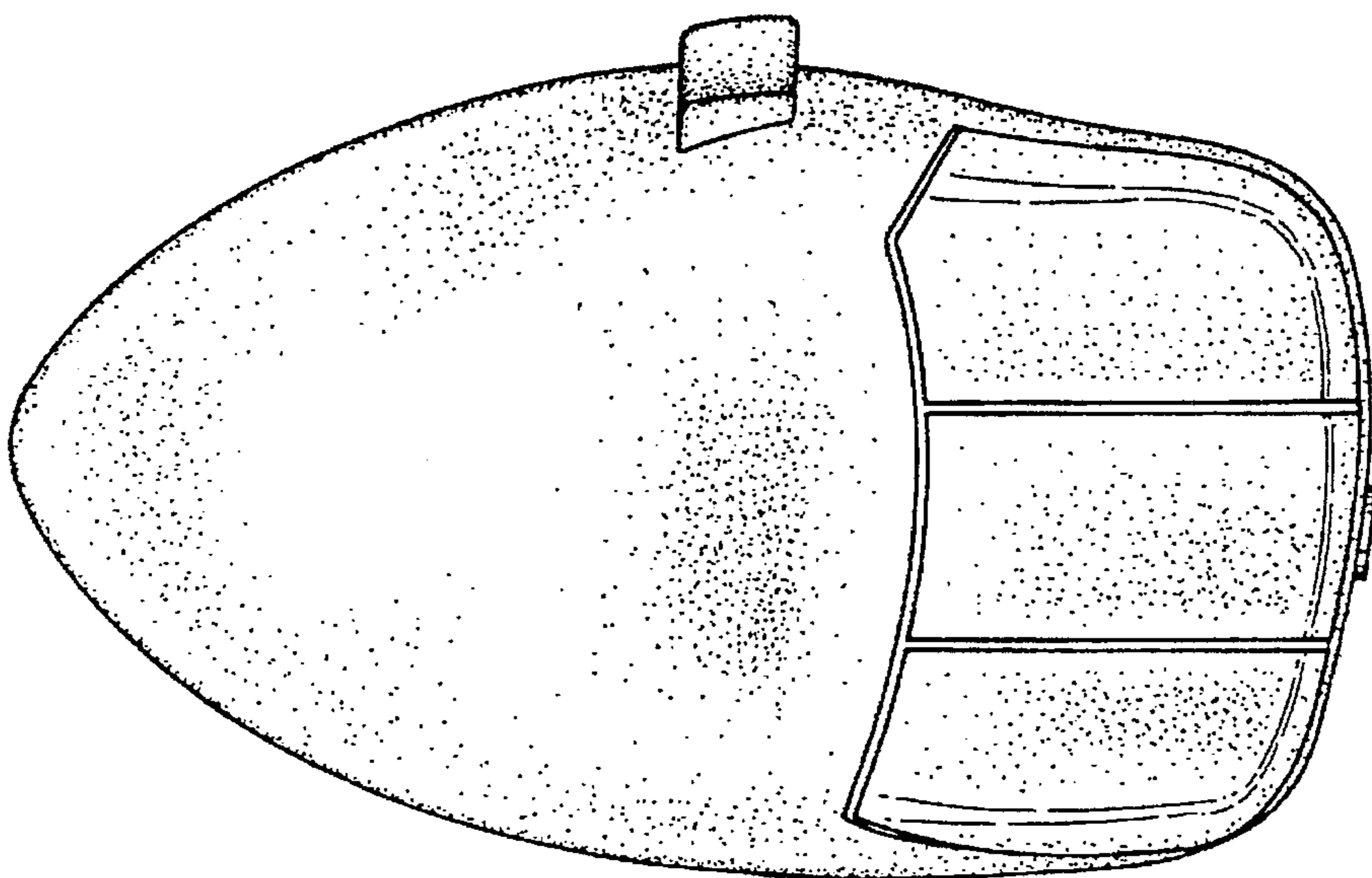


FIG. 5

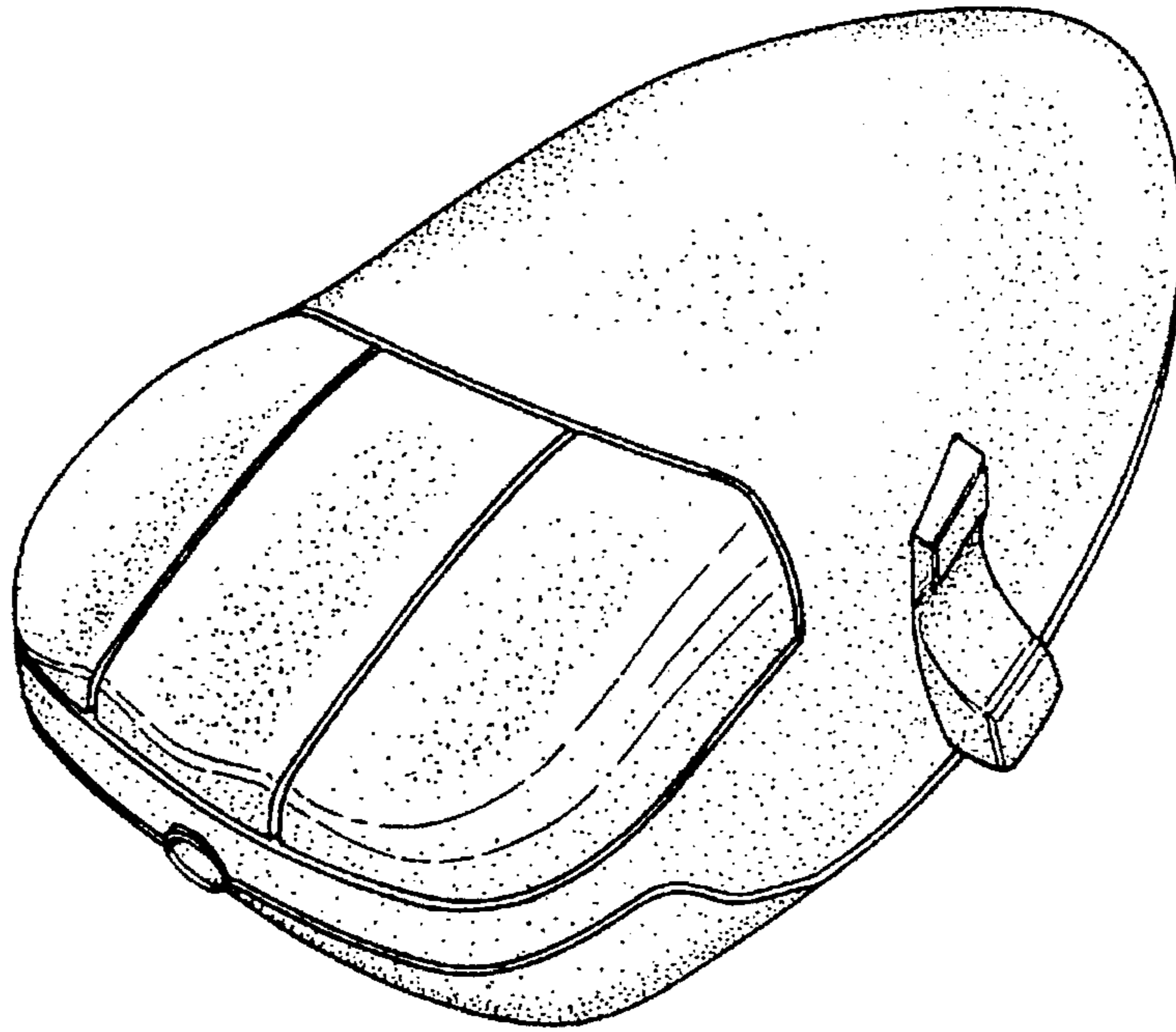


FIG. 7

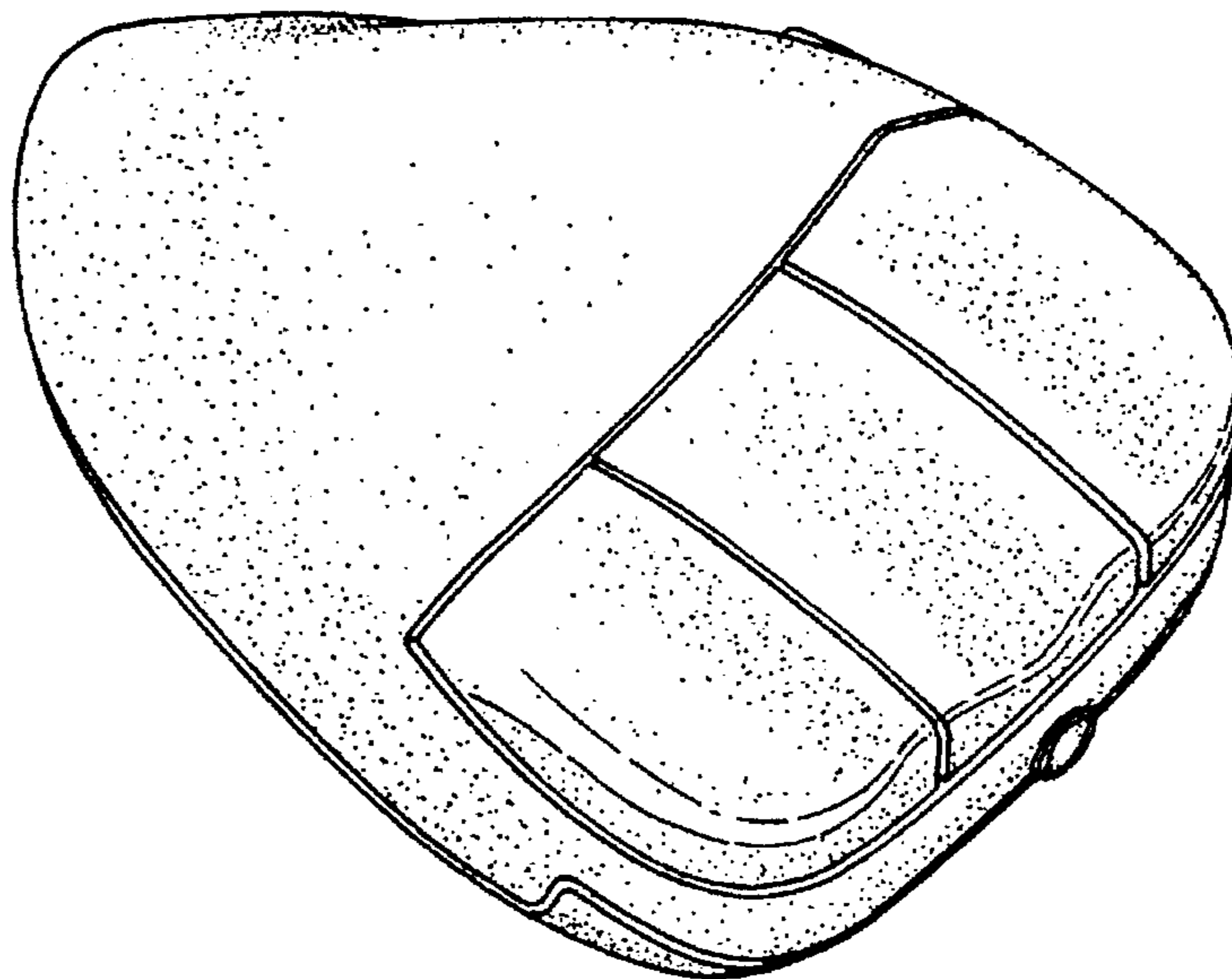


FIG. 8

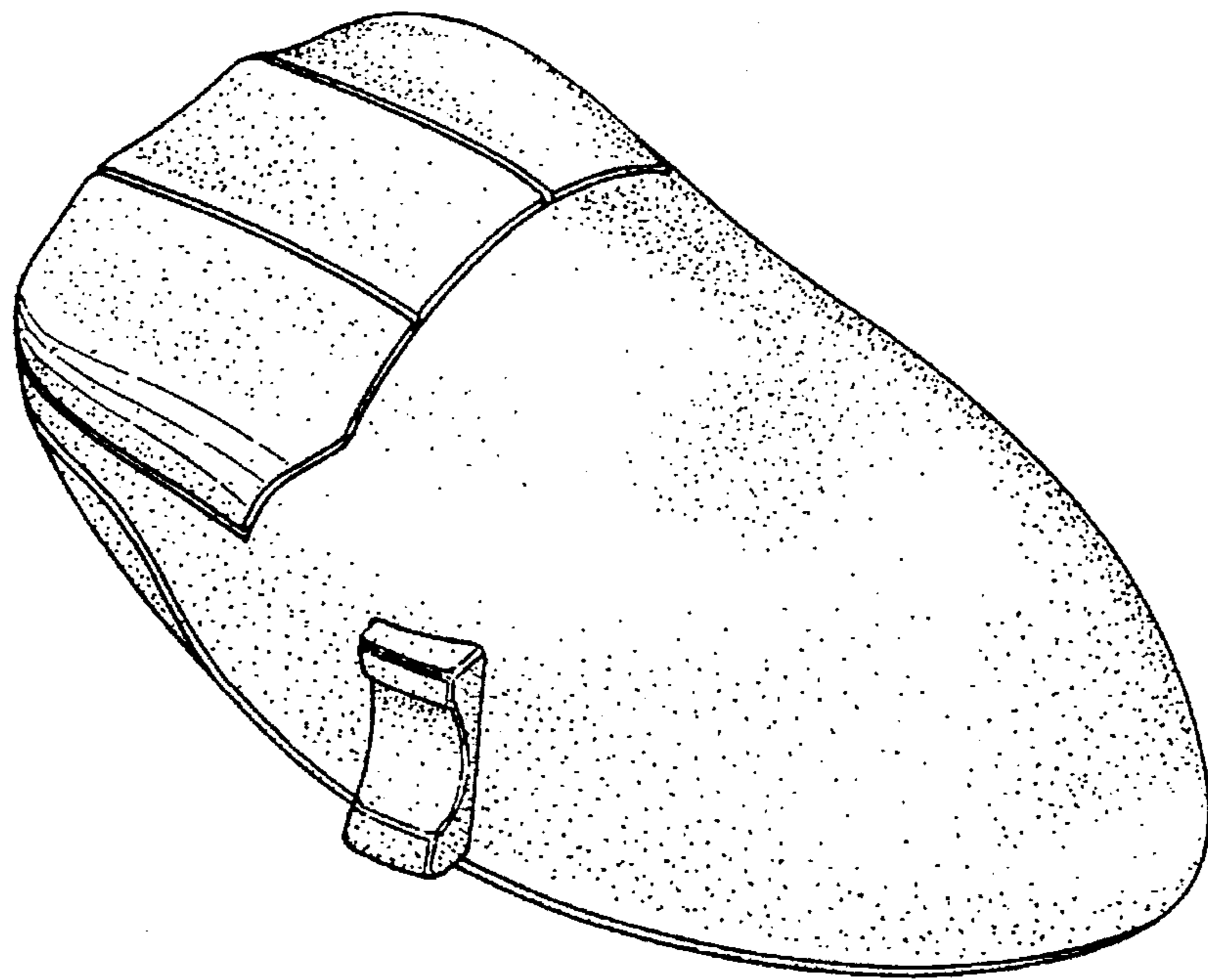


FIG. 9

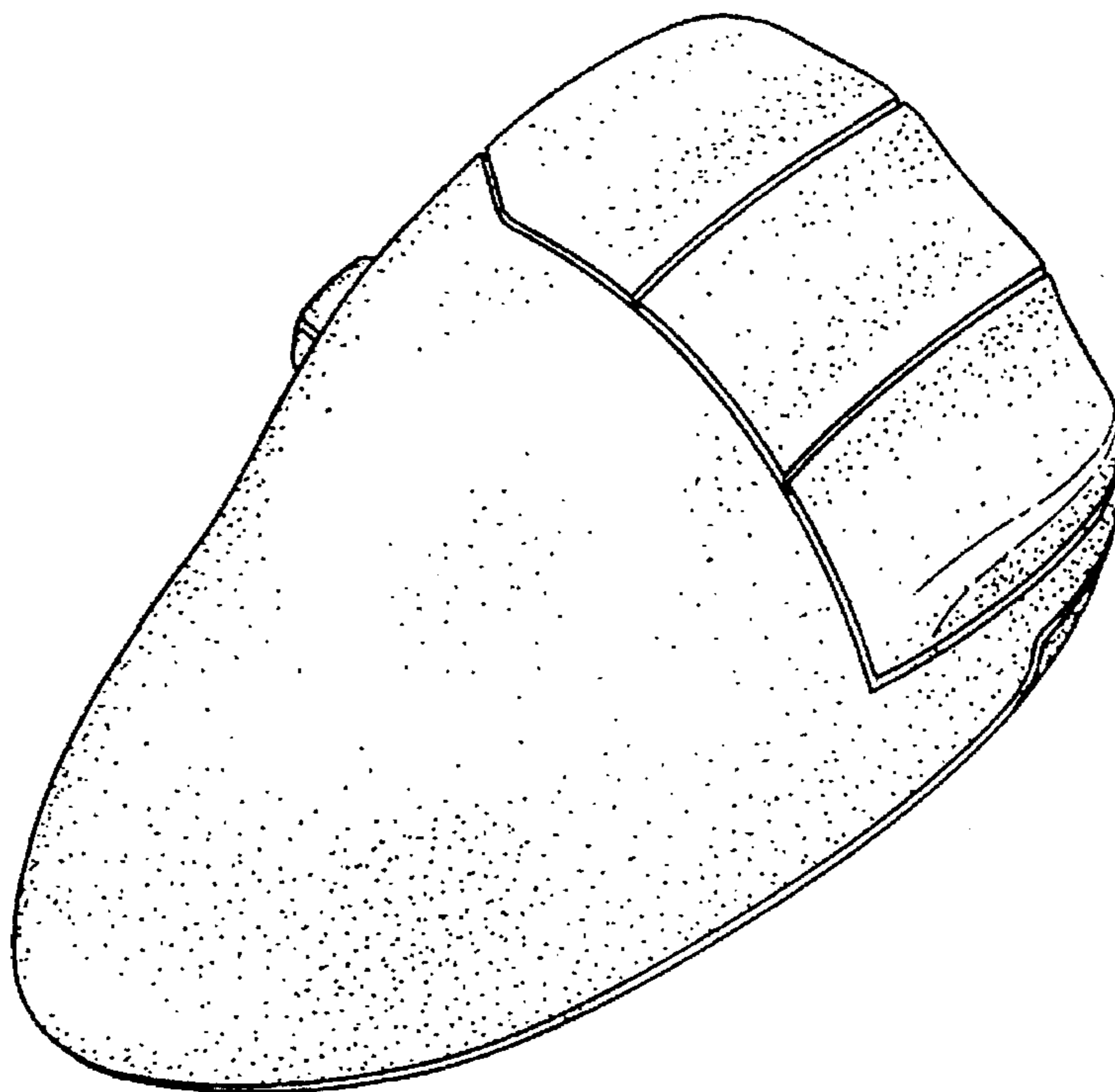


FIG. 10