



US00D437852S

(12) **United States Design Patent** (10) **Patent No.:** **US D437,852 S**  
**Ledbetter et al.** (45) **Date of Patent:** **\*\* Feb. 20, 2001**

(54) **COMPUTER INPUT DEVICE**

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(73) Assignee: **Microsoft Corporation**, Redmond, WA (US)

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

(21) Appl. No.: **29/102,984**

(22) Filed: **Apr. 6, 1999**

(51) **LOC (7) Cl.** ..... **14-02**

(52) **U.S. Cl.** ..... **D14/402**; D14/408

(58) **Field of Search** ..... D14/402-410,  
D14/417, 432; 200/5 R, 5 A, 6 R, 6 A;  
273/148 B; 345/156-167; 74/471 XY; 463/36,  
37, 38

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D. 288,569	3/1987	Ida	.....	D14/114
D. 328,597	8/1992	Clouss	.....	D14/114
D. 330,706	11/1992	San-Yih	.....	D14/114
D. 331,231	11/1992	Yang	.....	D14/114
D. 336,900	6/1993	Pfeifer	.....	D14/114
D. 337,321	7/1993	Koh et al.	.....	D14/114
D. 340,923	11/1993	Tso	.....	D14/114
D. 340,926	11/1993	Lin	.....	D14/114
D. 343,392	1/1994	Harden et al.	.....	D14/114

(List continued on next page.)

**FOREIGN PATENT DOCUMENTS**

2 698 986	6/1994	(FR) .
WO 92/14235	8/1992	(WO) .

**OTHER PUBLICATIONS**

U.S. application No. 29/080,840, Kaneko et al., filed Nov. 26, 1997, pending.

U.S. application No. 29/083,068, Kaneko et al., filed Feb. 4, 1998, pending.

“SICOS Mouse,” SICOS Computer Catalog, 1992.

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(74) *Attorney, Agent, or Firm*—Banner & Witcoff, Ltd.

(57) **CLAIM**

The ornamental design for a computer input device, as shown.

**DESCRIPTION**

This application is related to a U.S. Utility Patent application filed on even date herewith, entitled “Computer Input Device with Digit Support and Natural Position Actuators”, owned by the assignee of the present application, and having application No. 09/286,739. This application is also related to a U.S. Utility Patent application filed on Sep. 14, 1998, having serial No. 09/153,148, entitled “Input Device with Forward/Backward Control”, and owned by a common assignee with the present application.

This application is related to the following commonly assigned U.S. design patent application Ser. Nos. 29/102,983, 29/102,985, 29/102,986, 29/102,989, 29/103,003, and 29/103,019, all filed Apr. 6, 1999.

FIG. 1 is a front-left perspective view of a computer input device showing our new design;

FIG. 2 is a right-rear perspective view thereof;

FIG. 3 is a top plan view thereof;

FIG. 4 is a rear elevational view thereof;

FIG. 5 is a left side elevational view thereof;

FIG. 6 is a right side elevational view thereof;

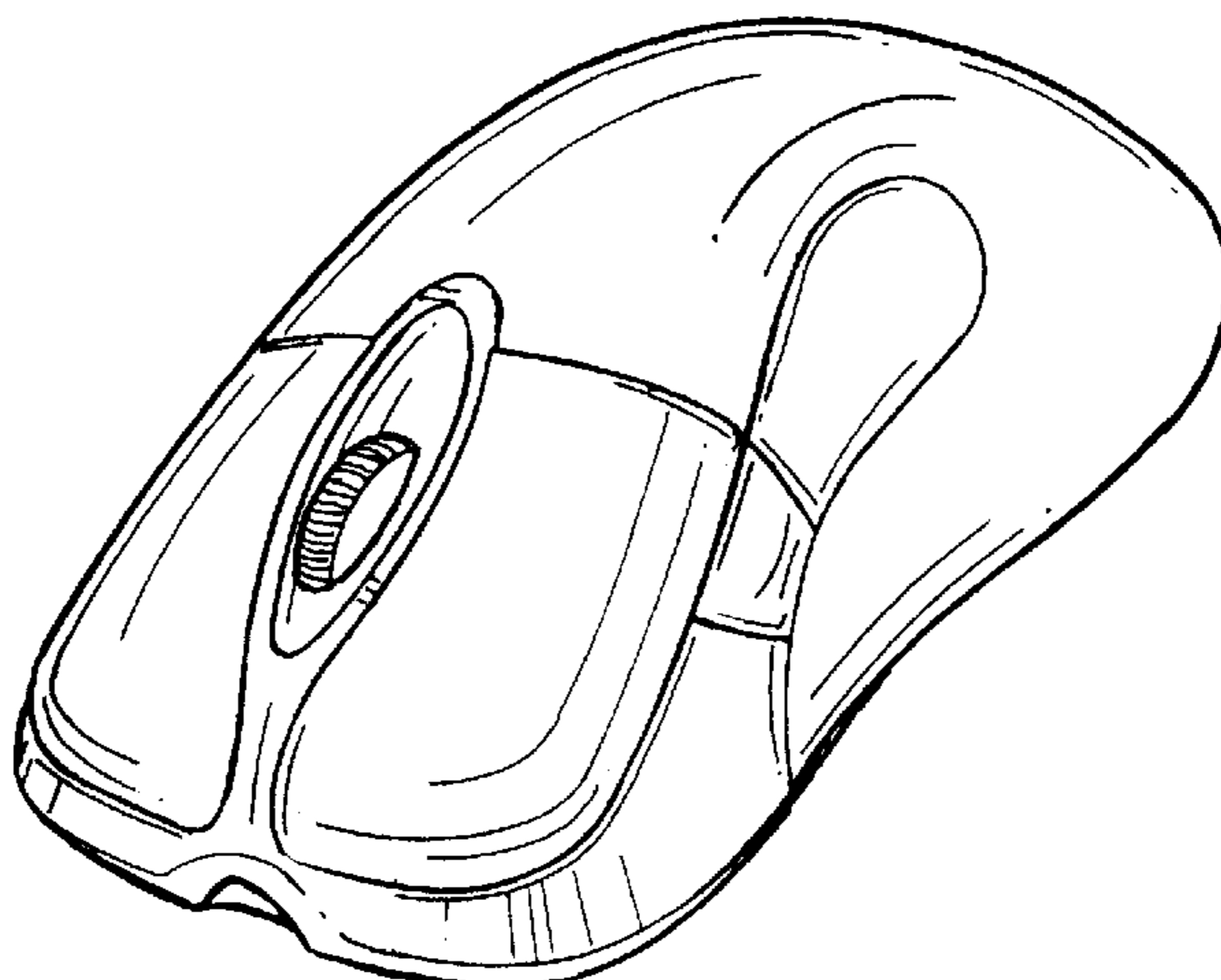
FIG. 7 is a front elevational view thereof;

FIG. 8 is a left-front perspective view of a second embodiment of a computer input device which is a substantial mirror image embodiment of the computer input device of FIGS. 1-7; and,

FIG. 9 is a right-rear perspective view of the portion of the computer mouse of FIG. 8.

The unshown bottom of the computer input device does not form part of the claimed design.

**1 Claim, 2 Drawing Sheets**



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## U.S. PATENT DOCUMENTS

D. 344,498	2/1994	Leman	.....	D14/114	D. 381,970	8/1997	Gasca	.....	D14/114
D. 346,373	4/1994	Grant	.....	D14/114	D. 381,971	8/1997	Wu	.....	D14/114
D. 348,057	6/1994	Bradley	.....	D14/114	D. 382,550	8/1997	Kaneko et al.	.....	D14/114
D. 349,280	8/1994	Kaneko	.		D. 385,542	10/1997	Kaneko et al.	.....	D14/114
D. 349,493	8/1994	Cheng	.		D. 385,861	11/1997	Lin	.....	D14/114
D. 350,737	9/1994	Chen	.		D. 386,162	11/1997	Cheng	.	
D. 354,484	1/1995	Skaggs	.....	D14/114	D. 399,835	10/1998	Goldstein et al.	.	
D. 355,901	2/1995	Bradley	.....	D14/114	D. 411,189	6/1999	Liao et al.	.	
D. 356,558	3/1995	Montgomery et al.	.....	D14/114	D. 411,837	7/1999	Sheehan	.	
D. 362,431	9/1995	Kaneko et al.	.....	D14/114	D. 413,114	8/1999	Sheehan	.	
D. 363,712	10/1995	Yamada	.....	D14/114	D. 413,322	8/1999	Sheehan et al.	.	
D. 368,080	3/1996	Aeschbacher et al.	.....	D14/114	D. 423,488	4/2000	O'Keefe et al.	.	
D. 368,900	4/1996	Ma	.....	D14/114	D. 424,550	5/2000	Su	.	
D. 369,593	5/1996	Ma	.....	D14/114	4,862,165	8/1989	Gart	.....	341/20
D. 371,771	7/1996	Verstockt	.....	D14/114	4,891,632	1/1990	Chang	.....	340/710
D. 372,904	8/1996	Lo	.....	D14/114	5,157,381	10/1992	Cheng	.....	340/710
D. 377,487	1/1997	Shih et al.	.....	D14/114	5,287,090	2/1994	Grant	.....	345/163
D. 378,086	2/1997	Sheehan et al.	.....	D14/114	5,287,120	2/1994	Okada et al.	.....	345/163
D. 381,014	7/1997	Kraus et al.	.....	D14/114	5,298,919	3/1994	Chang	.....	345/163
D. 381,968	8/1997	Edwards et al.	.....	D14/114	5,313,230	5/1994	Venolia et al.	.....	D14/114
D. 381,969	8/1997	Ratzlaff	.....	D14/114	5,428,368	6/1995	Grant	.....	345/163
					5,661,504	8/1997	Lo	.....	345/164

FIG. 1

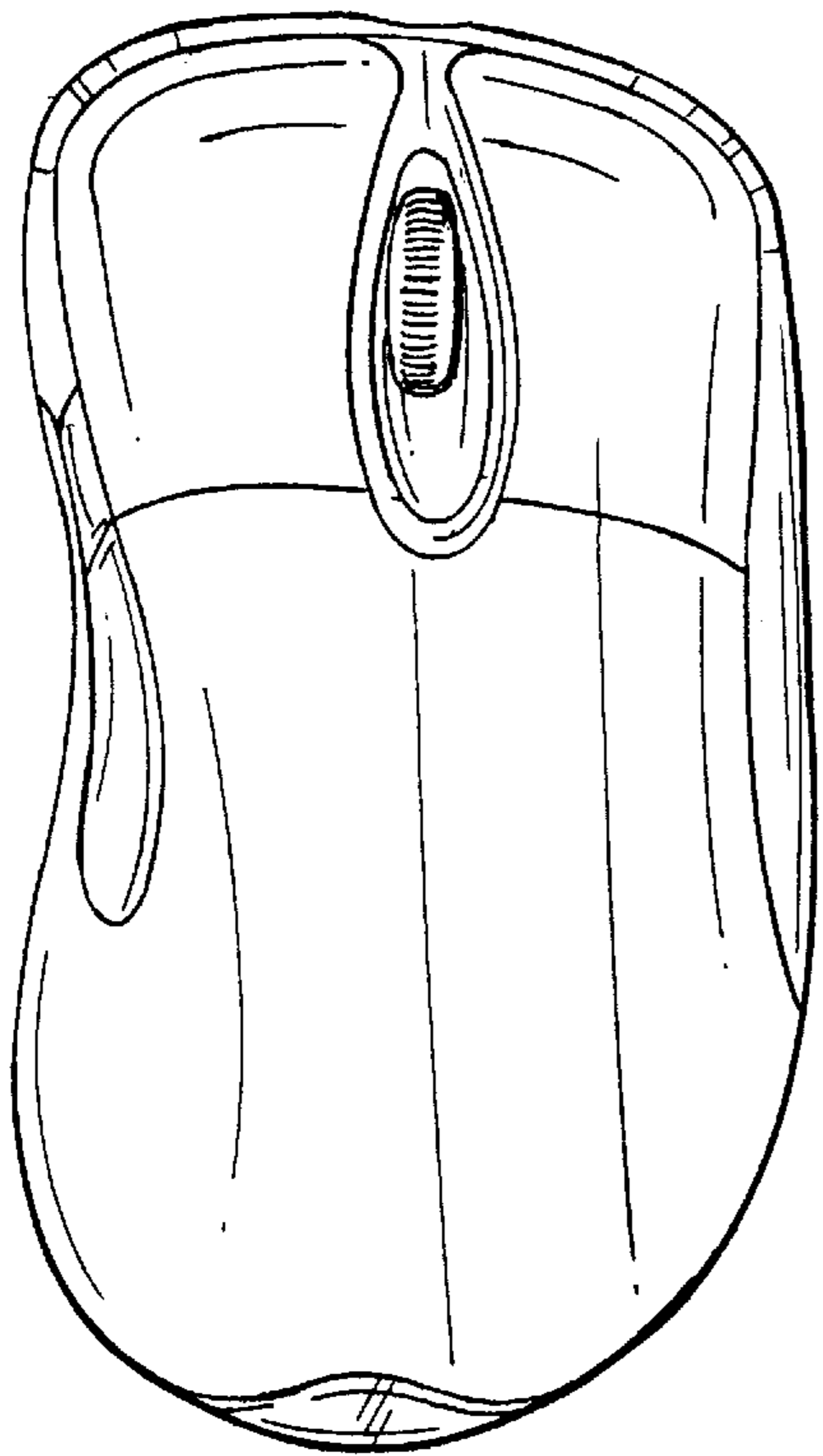
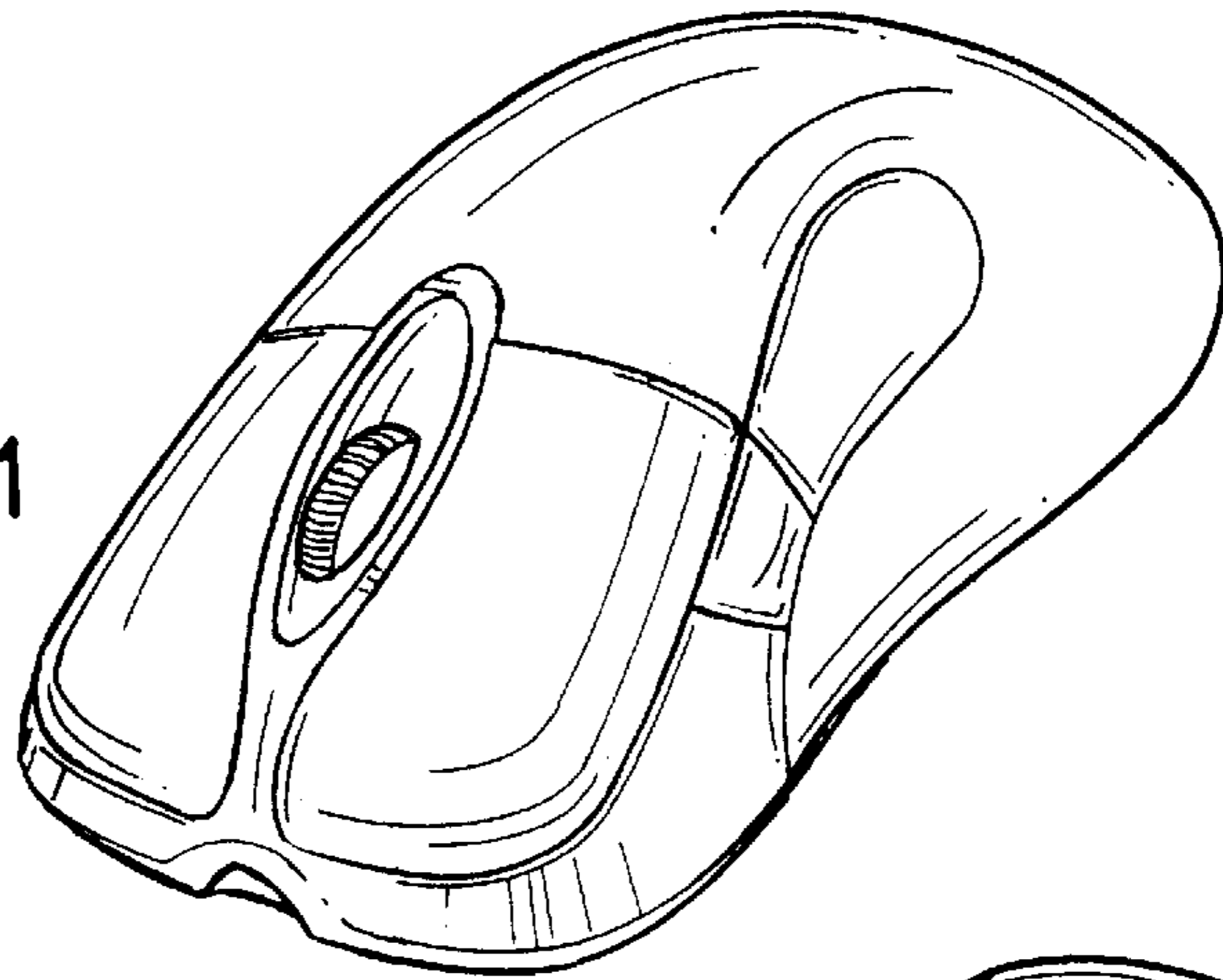


FIG. 3

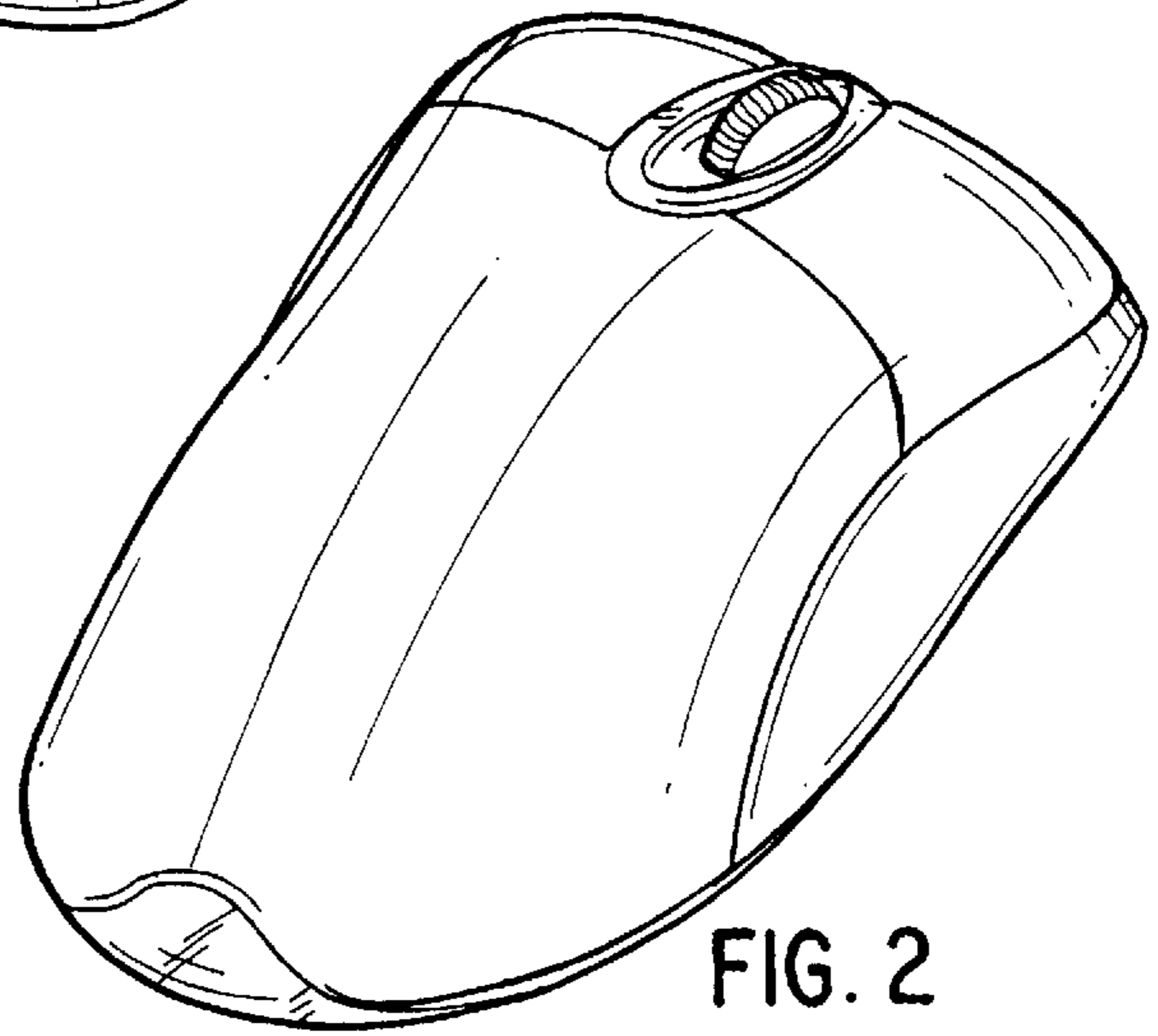


FIG. 2

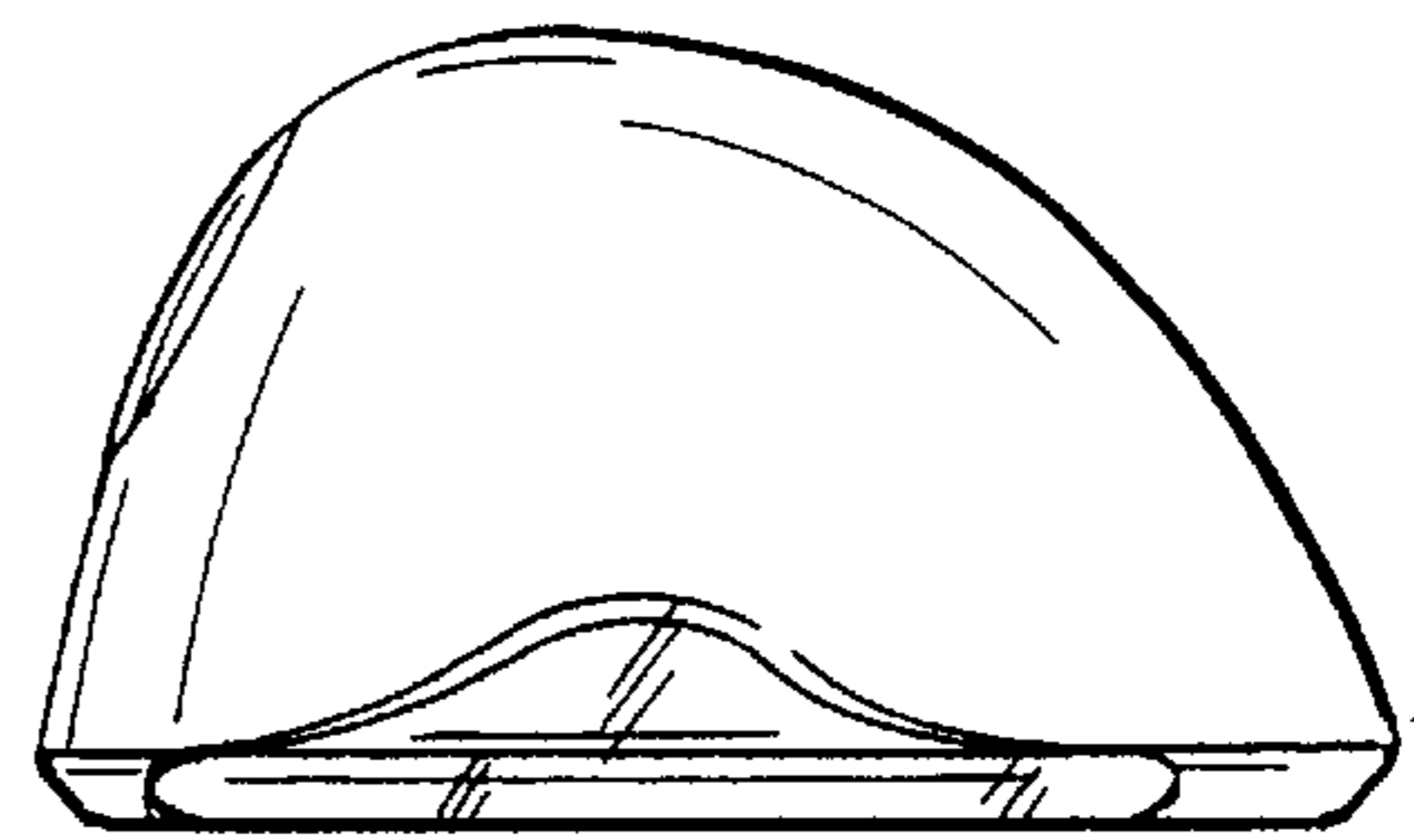


FIG. 4

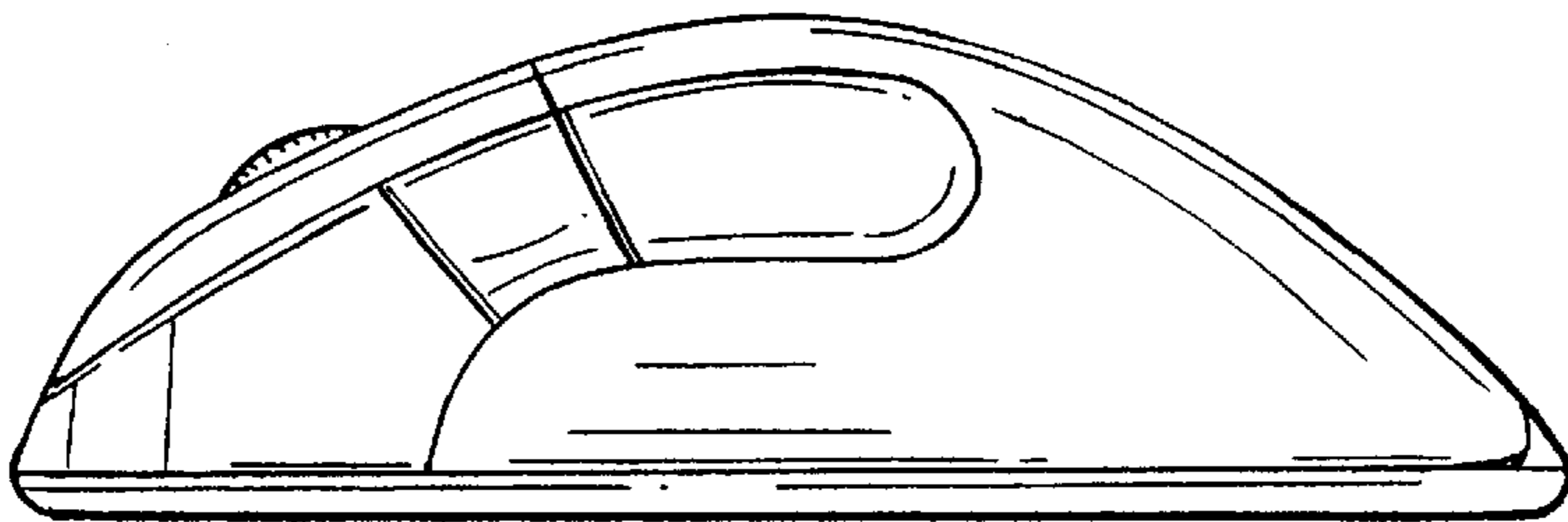


FIG. 5

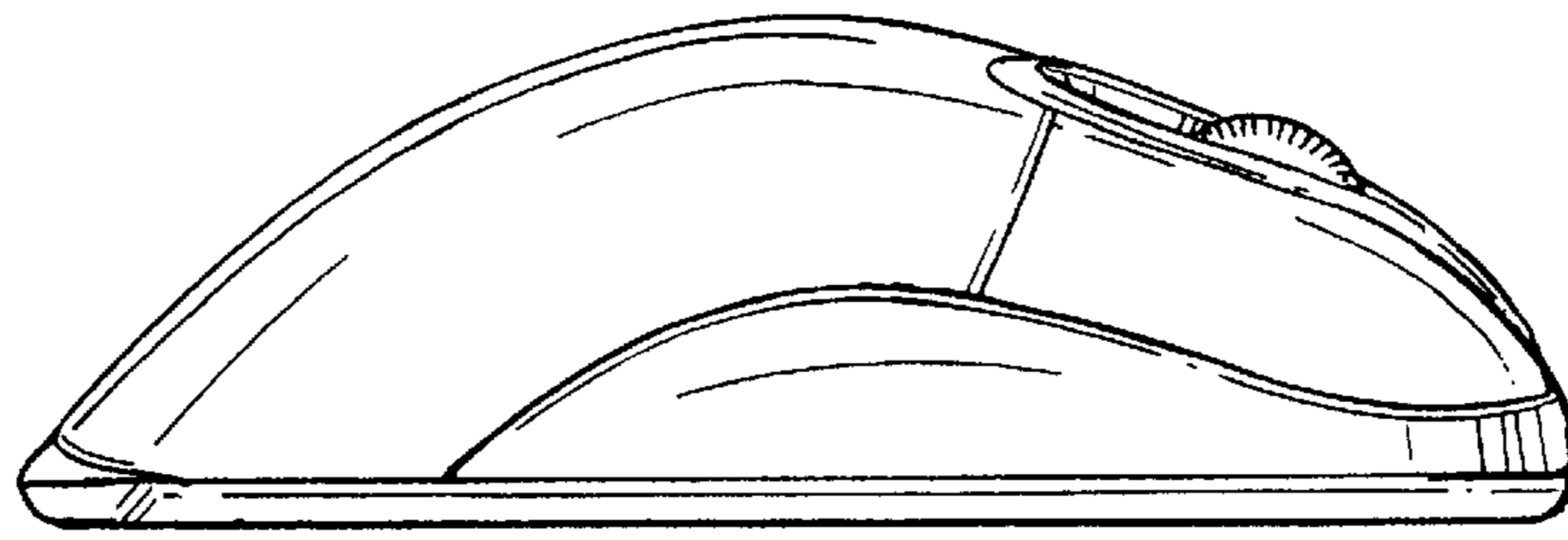


FIG. 6

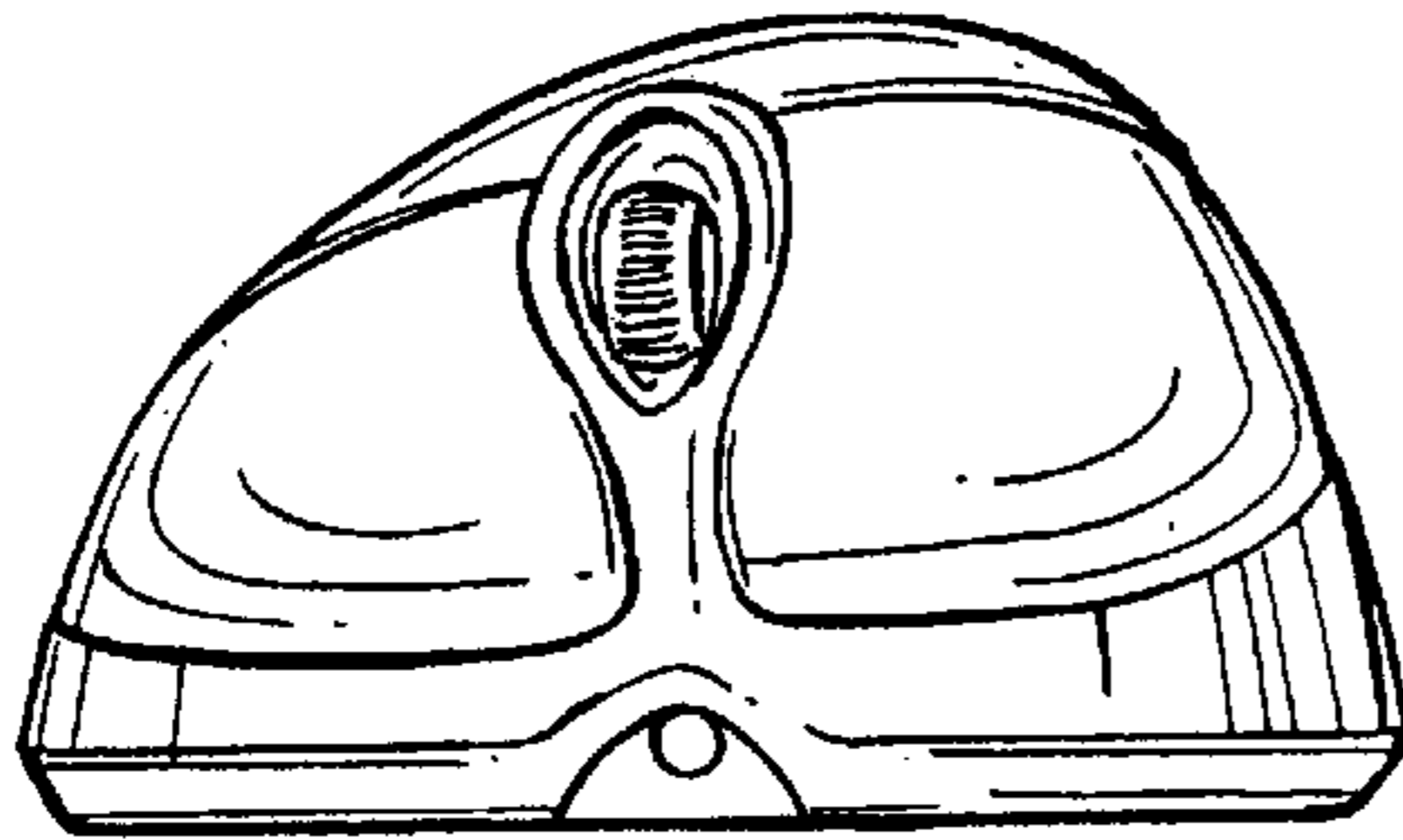


FIG. 7

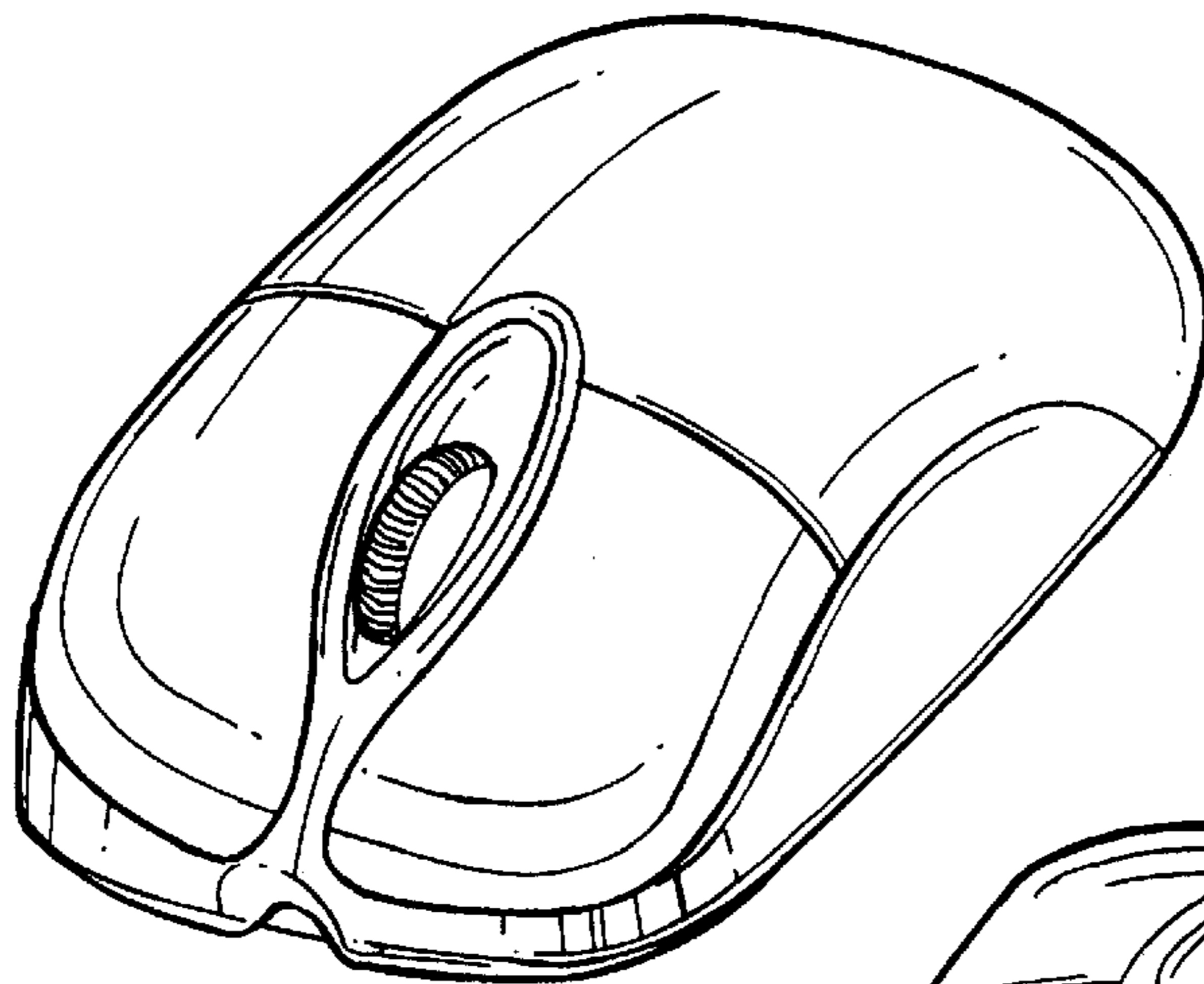


FIG. 8

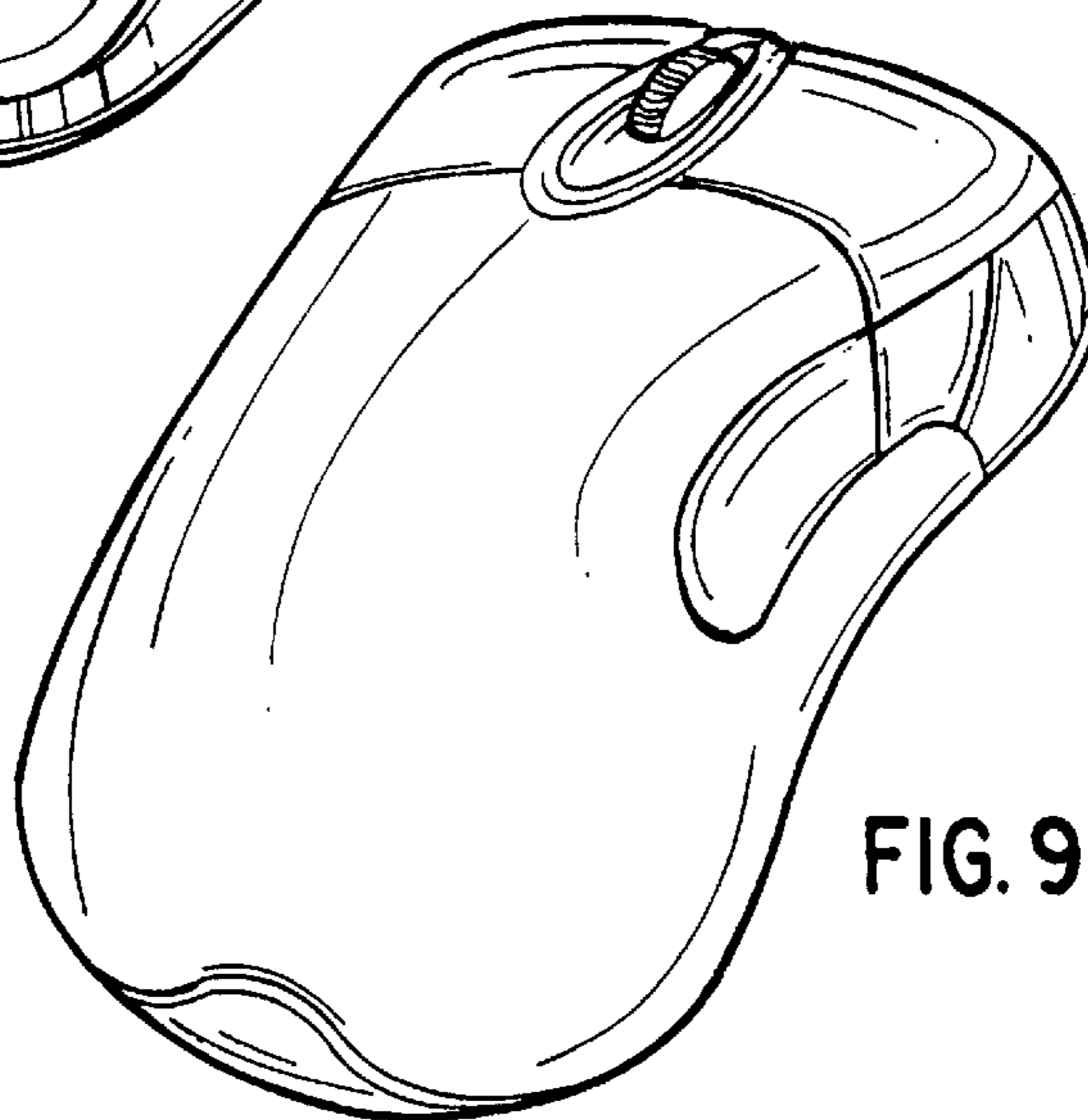


FIG. 9