



US00D640296S

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

(10) **Patent No.:** **US D640,296 S**  
(45) **Date of Patent:** **\*\* Jun. 21, 2011**

- (54) **NOZZLE FOR A SAND JET**
- (75) Inventor: **Peter Pietrowski**, Recklinghausen (DE)
- (73) Assignee: **IBEG, Inc.**, Marietta, GA (US)
- (\*\*) Term: **14 Years**
- (21) Appl. No.: **29/378,815**
- (22) Filed: **Nov. 10, 2010**

|               |         |                     |         |
|---------------|---------|---------------------|---------|
| D218,910 S    | 10/1970 | Gargrave            |         |
| 4,460,011 A   | 7/1984  | Huber, Jr.          |         |
| 4,528,782 A   | 7/1985  | Bean                |         |
| D281,432 S    | 11/1985 | Tuomaala            |         |
| 4,551,955 A   | 11/1985 | Zion, Jr.           |         |
| 4,633,623 A * | 1/1987  | Spitz .....         | 451/102 |
| 4,827,680 A * | 5/1989  | Rushing et al. .... | 451/38  |
| 4,845,903 A   | 7/1989  | Woodward            |         |
| 5,209,409 A   | 5/1993  | Neiss               |         |
| D344,880 S    | 3/1994  | Salas, Jr.          |         |
| D346,317 S    | 4/1994  | Throneberry         |         |
| D353,918 S    | 12/1994 | Bruno et al.        |         |

(Continued)

**Related U.S. Application Data**

- (63) Continuation of application No. 29/358,874, filed on Apr. 1, 2010, now abandoned.
- (51) **LOC (9) Cl.** ..... **15-09**
- (52) **U.S. Cl.** ..... **D15/126**
- (58) **Field of Classification Search** ..... D8/70, D8/71; D15/124, 126, 138; D32/31-34; 83/36, 112, 113, 120, 165, 371, 404, 404.1, 83/425.2, 425.3, 425.4, 435.2, 435.24, 435.26, 83/435.27, 455, 461, 471.2, 471.3, 473, 485, 83/486.1, 487, 488, 489, 492, 574, 578, 613, 83/703, 707, 708, 713, 717, 719, 721, 743, 83/745, 794, 795, 797, 798, 799, 800, 813, 83/878, 928; 144/1.1, 3.1, 39, 117.1, 208.8, 144/340, 357, 367, 378, 410, 420; 198/519, 198/560, 632, 745.9, 746.8; 280/651, 796, 280/800

See application file for complete search history.

**References Cited**

**U.S. PATENT DOCUMENTS**

|               |         |                 |         |
|---------------|---------|-----------------|---------|
| 1,292,371 A   | 1/1919  | Reilly          |         |
| 1,813,733 A   | 7/1931  | Freeman         |         |
| 2,039,938 A * | 5/1936  | Schultz .....   | 451/102 |
| 2,387,193 A * | 10/1945 | Swenarton ..... | 451/40  |

**OTHER PUBLICATIONS**

“IBEG’s Standard Triangular Sand Nozzles”, on sale or public use in the United States prior to at least Apr. 10, 2009.

*Primary Examiner* — Patricia Palasik

(74) *Attorney, Agent, or Firm* — Smith, Gambrell & Russell

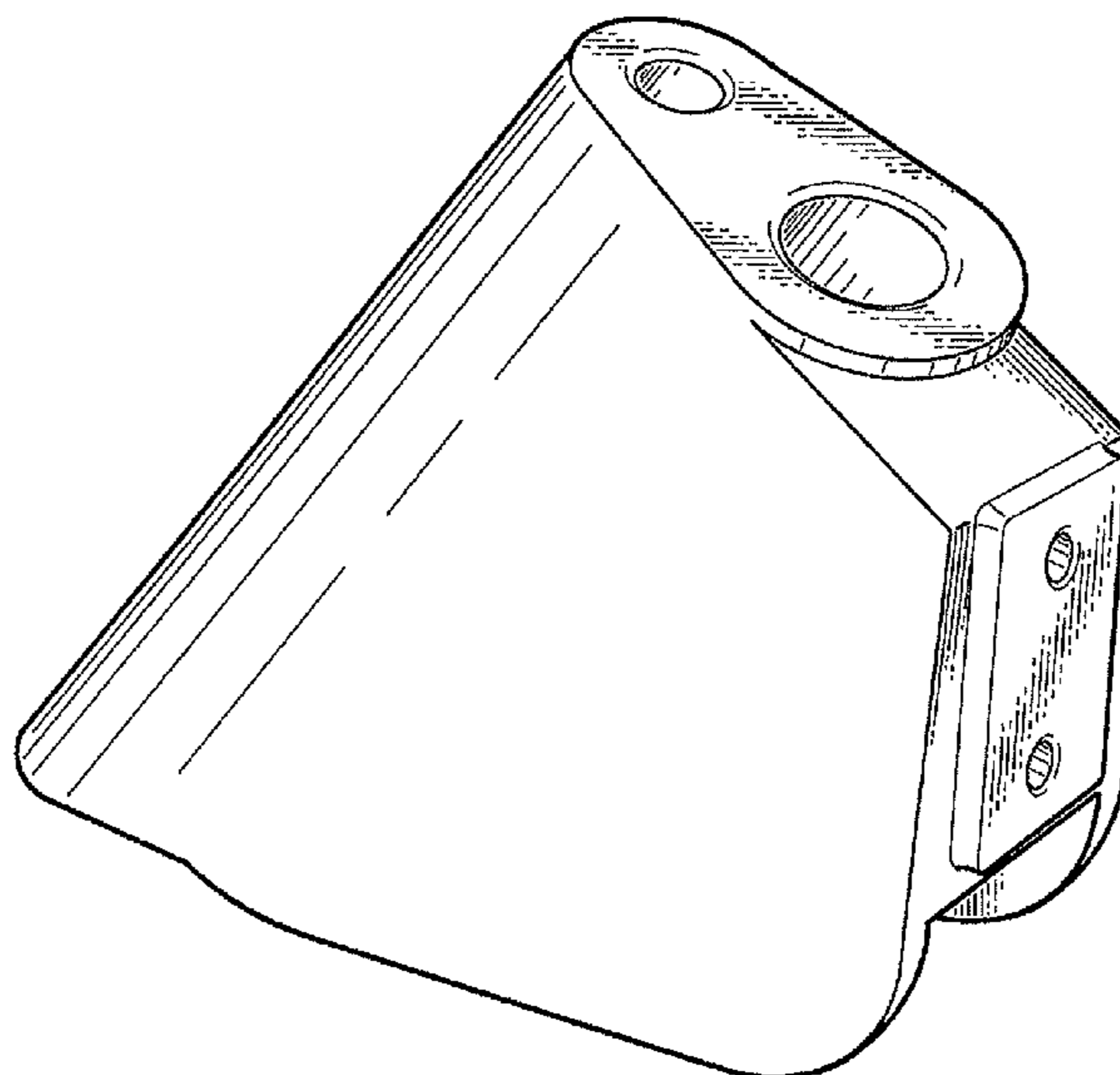
**CLAIM**

(57) The ornamental design for a nozzle for a sand jet, as shown and described.

**DESCRIPTION**

FIG. 1 is a side perspective view of the nozzle for a sand jet; FIG. 2 is a bottom perspective view of the nozzle for a sand jet; FIG. 3 is a first side elevational view of the nozzle for a sand jet, the first side elevational view of the nozzle for a sand jet being a mirror image of a second side elevational view of the nozzle for a sand jet; FIG. 4 is a rear elevational view of the nozzle for a sand jet; FIG. 5 is a front elevational view of the nozzle for a sand jet; FIG. 6 is a top plan view of the nozzle for a sand jet; and, FIG. 7 is a bottom plan view of the nozzle for a sand jet.

**1 Claim, 5 Drawing Sheets**



# US D640,296 S

Page 2

---

## U.S. PATENT DOCUMENTS

|           |      |         |                      |         |              |      |         |                  |         |
|-----------|------|---------|----------------------|---------|--------------|------|---------|------------------|---------|
| D388,445  | S    | 12/1997 | Powlett              |         |              |      |         |                  |         |
| 5,795,214 | A    | 8/1998  | Leon                 |         |              |      |         |                  |         |
| D412,511  | S    | 8/1999  | Lefevre              |         |              |      |         |                  |         |
| 5,961,053 | A *  | 10/1999 | Raghavan et al. .... | 239/599 |              |      |         |                  |         |
| 6,273,789 | B1 * | 8/2001  | LaSalle et al. ....  | 451/38  |              |      |         |                  |         |
| 6,293,857 | B1 * | 9/2001  | Allard .....         | 451/102 |              |      |         |                  |         |
| D474,529  | S    | 5/2003  | Sodemann et al.      |         |              |      |         |                  |         |
| 6,722,589 | B1 * | 4/2004  | Ohno et al. ....     | 239/654 |              |      |         |                  |         |
|           |      |         |                      |         | 6,769,956    | B1   | 8/2004  | Konieczny        |         |
|           |      |         |                      |         | 6,976,713    | B2   | 12/2005 | Kish             |         |
|           |      |         |                      |         | D551,973     | S    | 10/2007 | Hildebrand       |         |
|           |      |         |                      |         | D571,257     | S    | 6/2008  | Biddings         |         |
|           |      |         |                      |         | D582,114     | S    | 12/2008 | Dyson            |         |
|           |      |         |                      |         | D618,790     | S    | 6/2010  | Bukoski et al.   |         |
|           |      |         |                      |         | 2004/0069876 | A1 * | 4/2004  | Ohno et al. .... | 239/654 |

\* cited by examiner

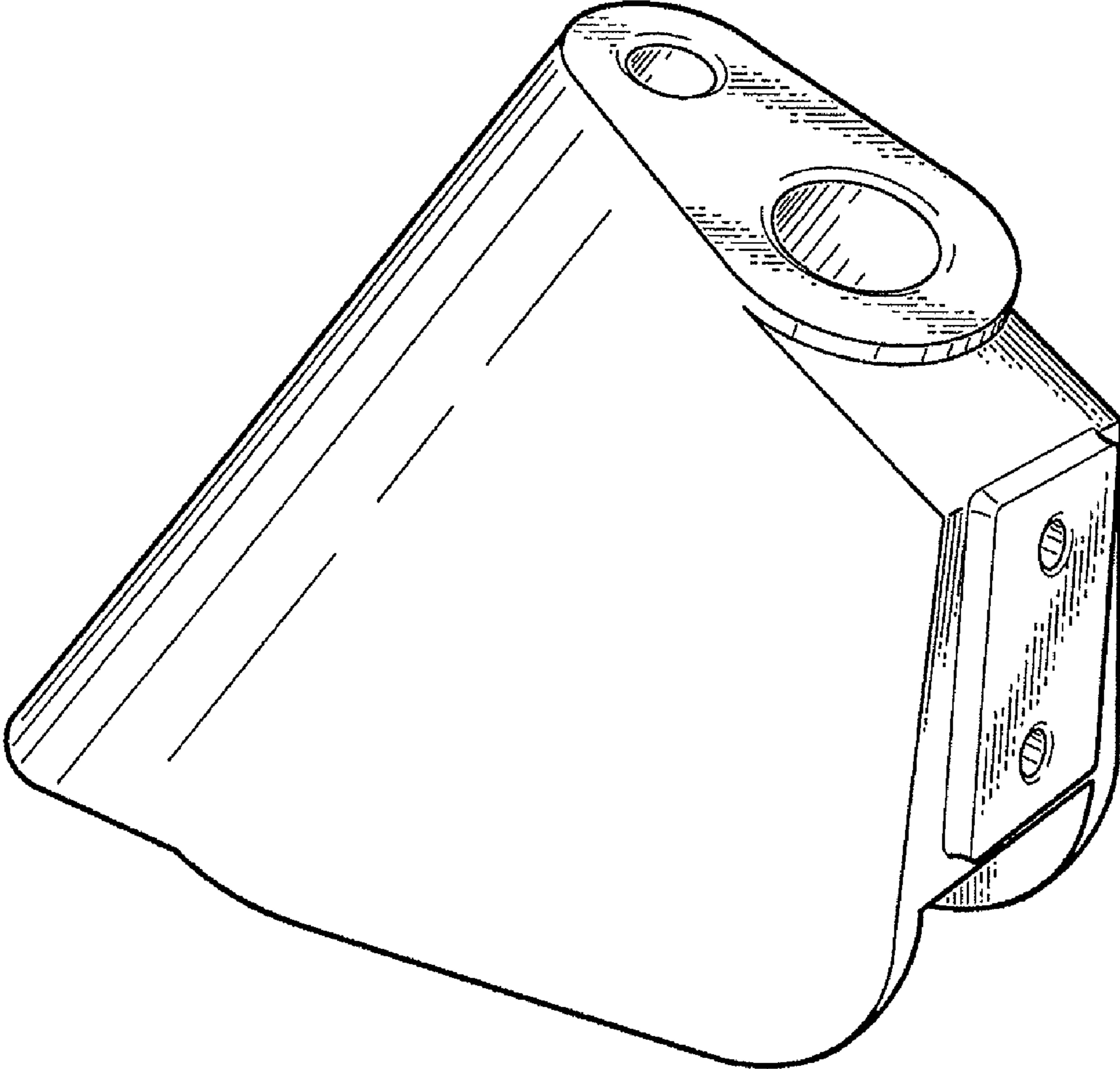
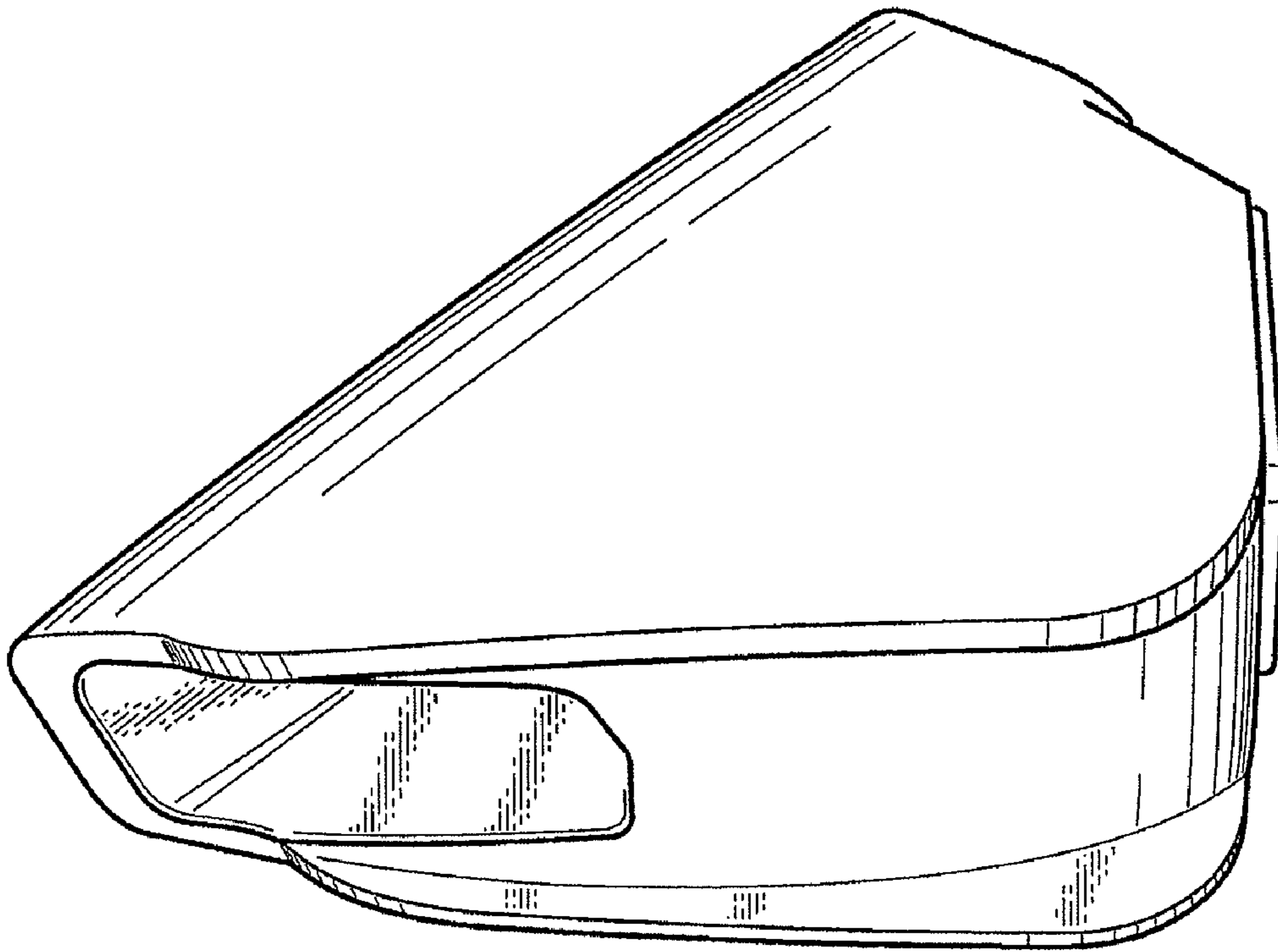
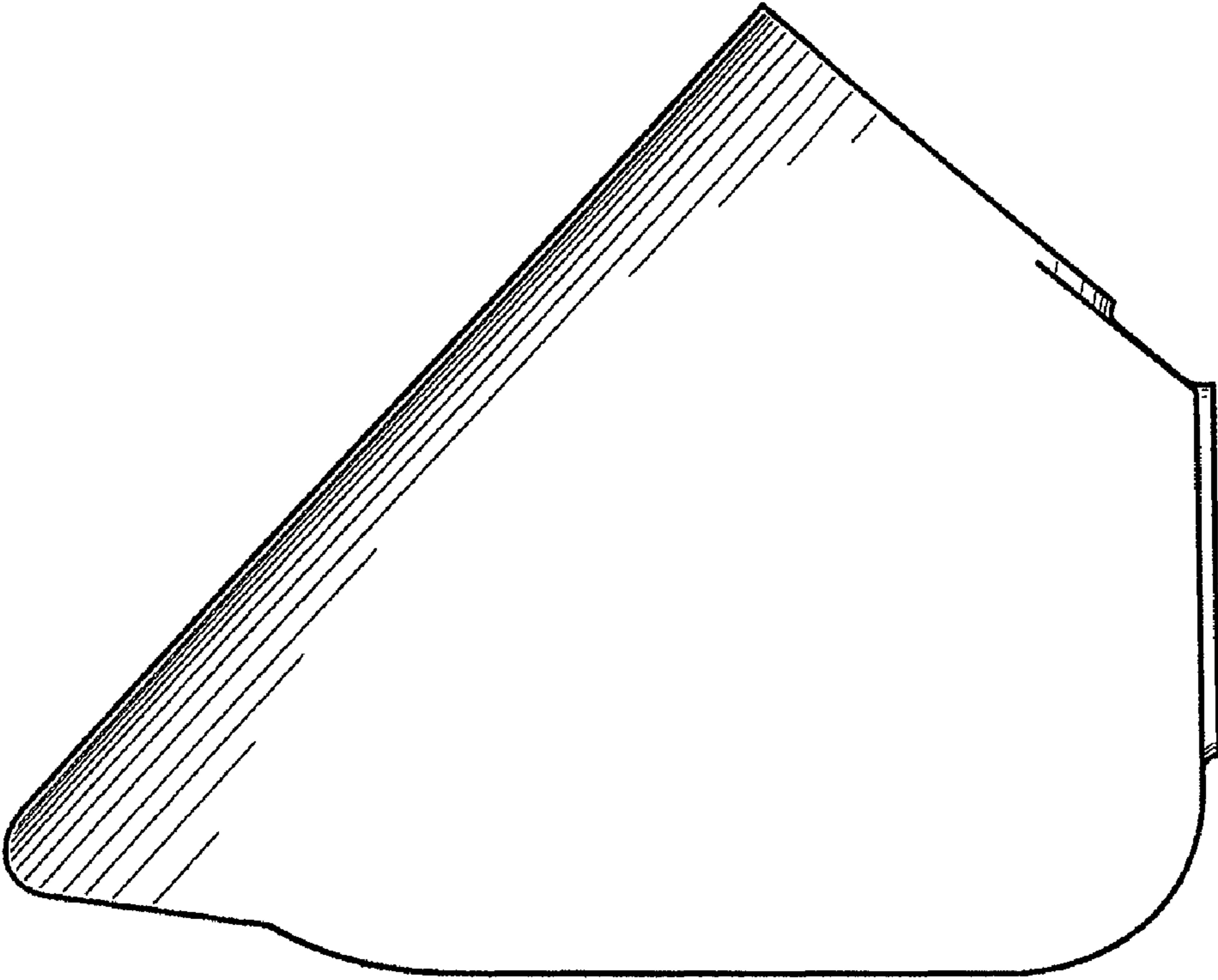


FIG. 1



**FIG. 2**



**FIG. 3**

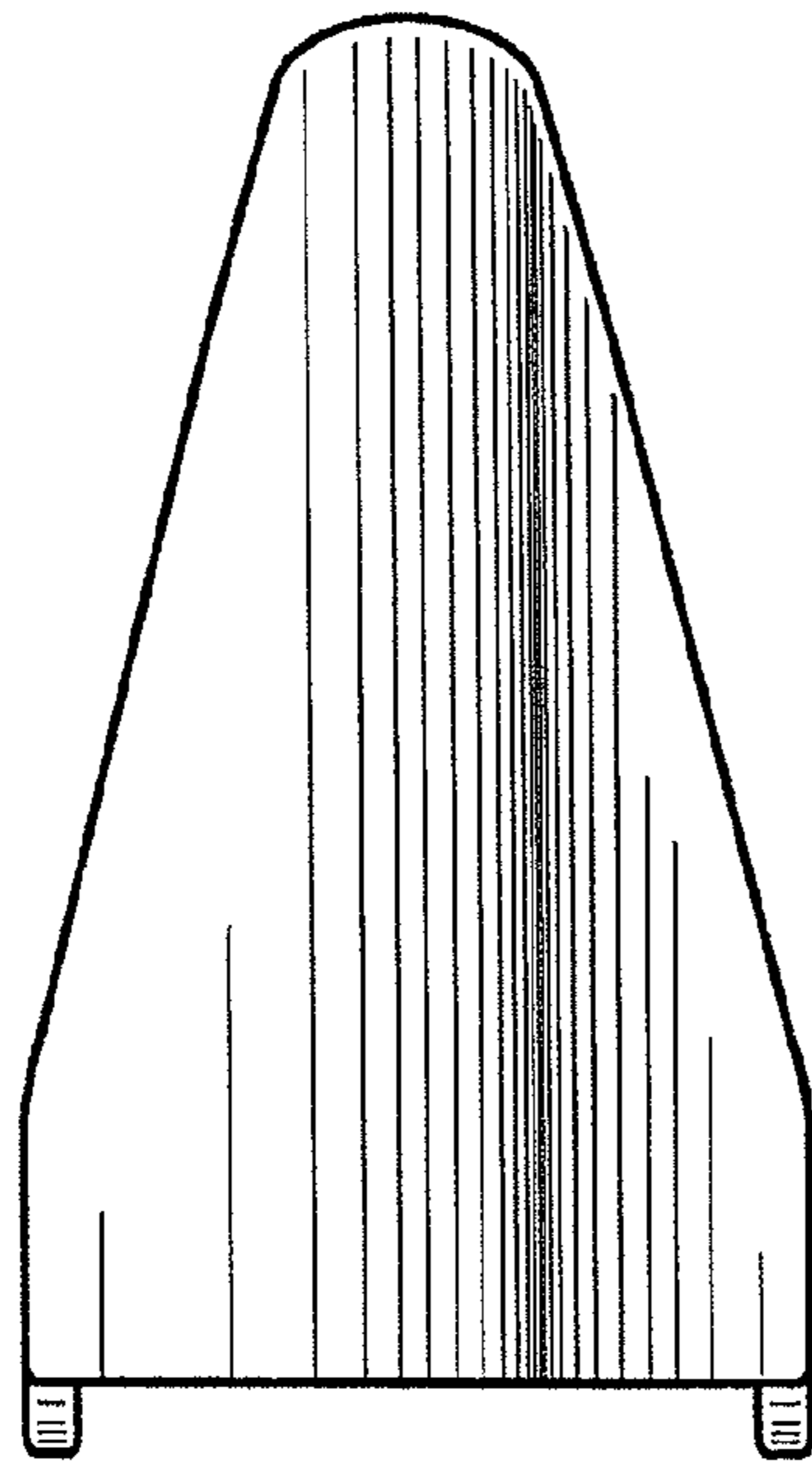


FIG. 4

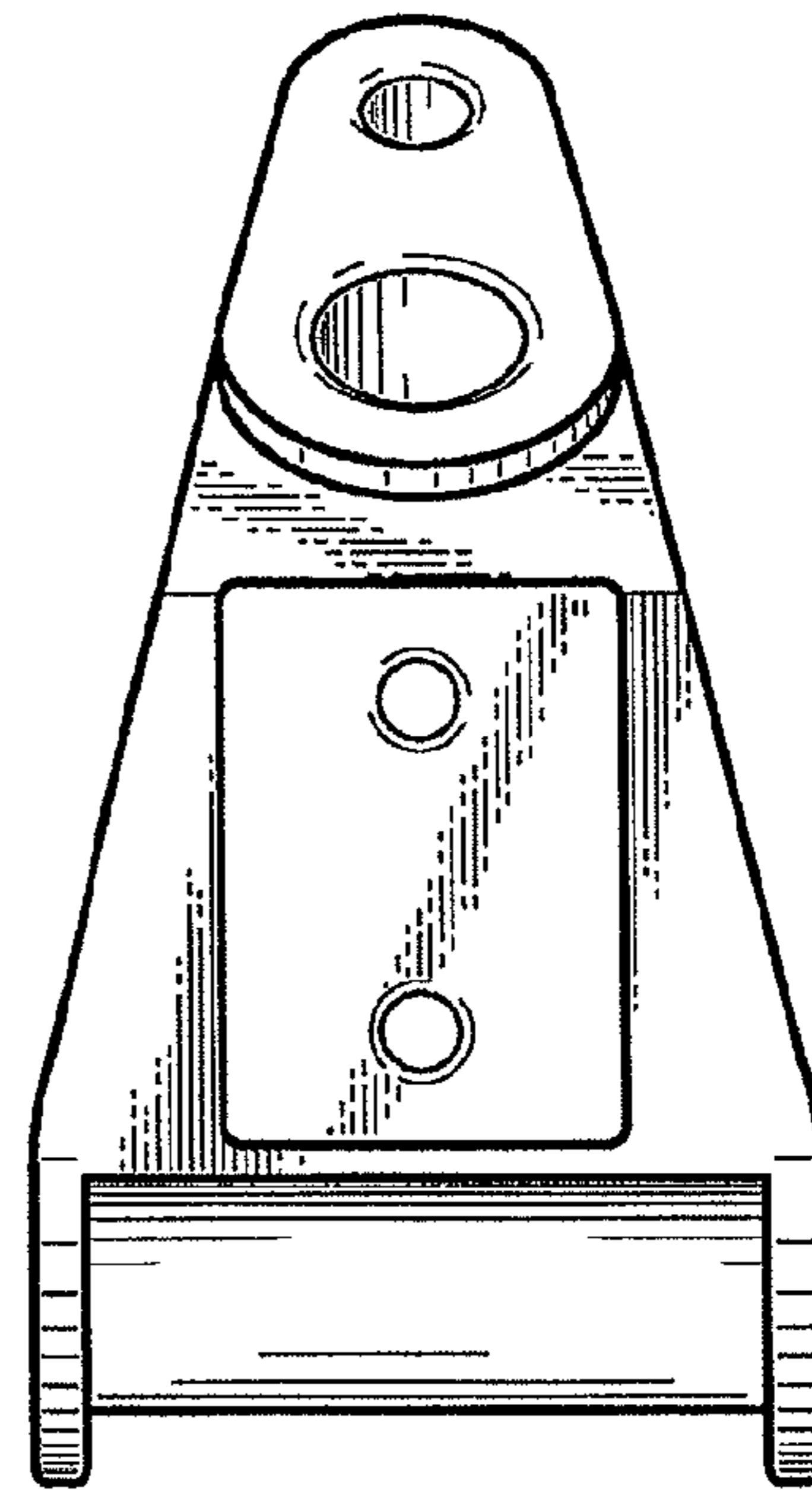


FIG. 5

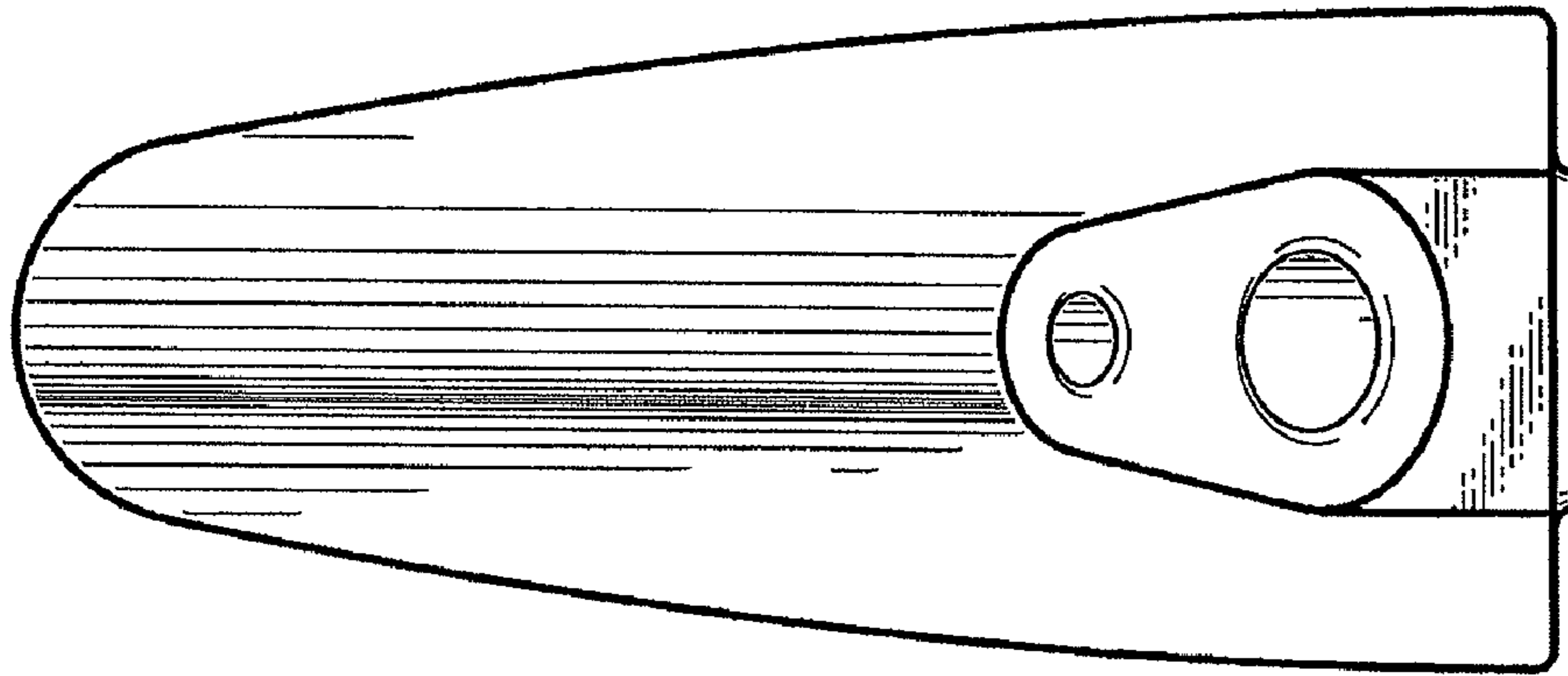


FIG. 6

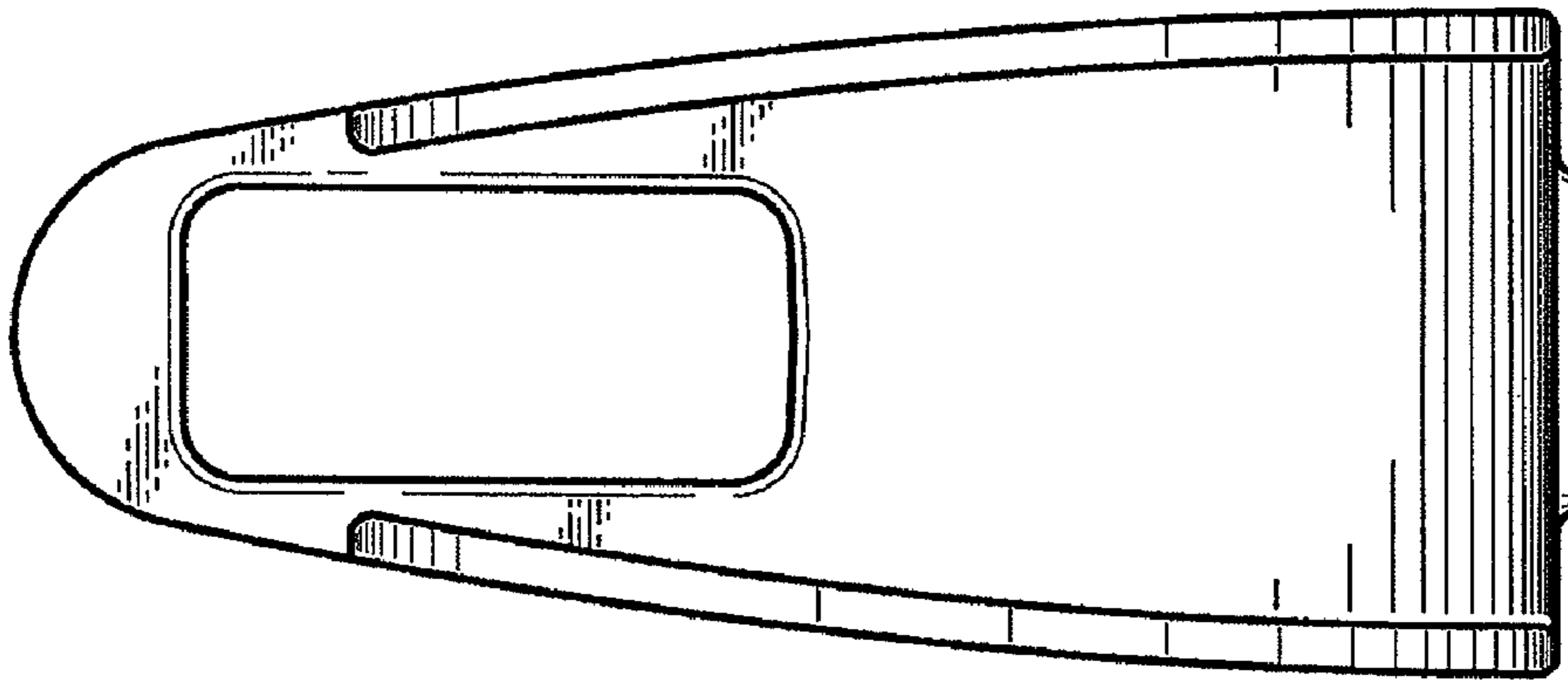


FIG. 7