



US00D633913S

(12) **United States Design Patent**
Aboy Garcia et al.

(10) **Patent No.:** **US D633,913 S**
(45) **Date of Patent:** **** Mar. 8, 2011**

(54) **HUMAN BALANCE DRIVEN JOYSTICK**

(75) Inventors: **Diego Aboy Garcia**, Marin/Pontevedra (ES); **Jose Miguel Llopis Vaño**, Alcoi (ES); **Francisco Ibañez Garcia**, Villena (ES); **David Cuesta Frau**, Alcoi (ES); **Pedro Mateo Riobo Aboy**, Beaverton, OR (US)

(73) Assignee: **Innovatec SL** (ES)

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

(21) Appl. No.: **29/346,749**

(22) Filed: **Nov. 5, 2009**

(51) **LOC (9) Cl.** **14-02**

(52) **U.S. Cl.** **D14/413; D21/333**

(58) **Field of Classification Search** D14/217, D14/218, 356, 388, 389, 400, 401, 412–416, D14/432–434, 454, 496; D21/324–327, D21/332, 333, 399, 419, 421, 423, 662, 668–673, D21/686; D34/27, 35; 463/1, 30, 36–38, 463/46, 47; 345/156–161, 905; D12/1, 174, D12/178–180; D8/300, 303; D15/138, 142; 74/489, 502.2, 523, 551.8, 551.9; D10/46, D10/83, 87, 89, 90–95

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,632,711 A * 5/1997 Hwang 482/147
D413,591 S * 9/1999 Menze D14/413

D414,761 S * 10/1999 Oikawa et al. D14/413
D428,890 S * 8/2000 Zoerkendoerfer et al. .. D14/413
6,225,977 B1 * 5/2001 Li 345/156
6,692,419 B2 * 2/2004 Chen 482/146
D500,100 S * 12/2004 van der Meer D21/662
D507,206 S * 7/2005 Wang D12/1
D522,074 S * 5/2006 Dummel D21/662
D551,722 S * 9/2007 Chang et al. D21/421
D624,611 S * 9/2010 Torres Martin D21/662

* cited by examiner

Primary Examiner—Stella M Reid

Assistant Examiner—Keli L Hill

(74) *Attorney, Agent, or Firm*—Mateo Aboy; Aboy & Associates, PC

(57) **CLAIM**

We claim the ornamental design for a human balance driven joystick, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a human balance driven joystick, showing our new design;

FIG. 2 is a front side view thereof;

FIG. 3 is a rear side view thereof;

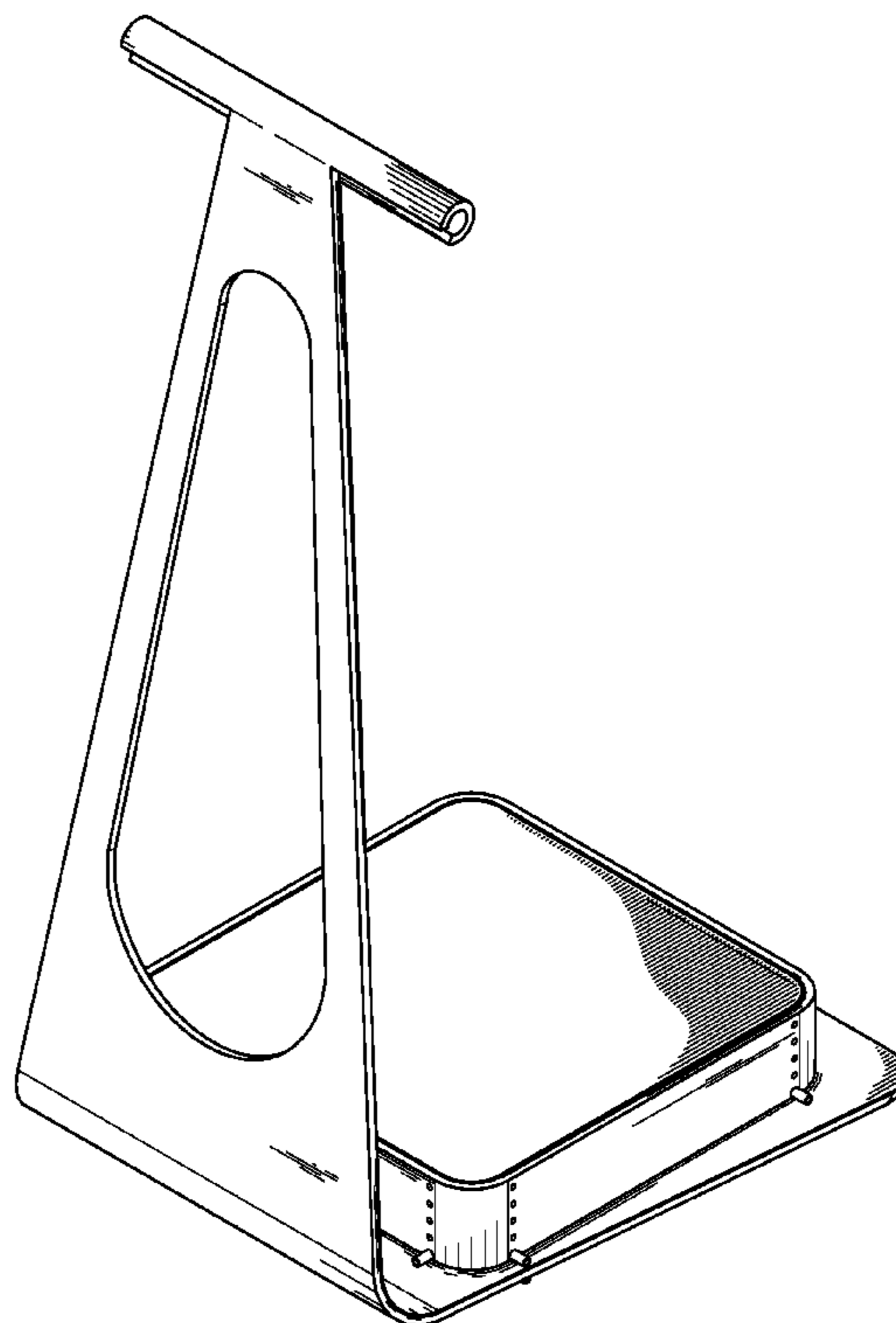
FIG. 4 is a right side view thereof;

FIG. 5 is a left side view thereof;

FIG. 6 is a top view thereof; and,

FIG. 7 is a bottom view thereof.

1 Claim, 7 Drawing Sheets



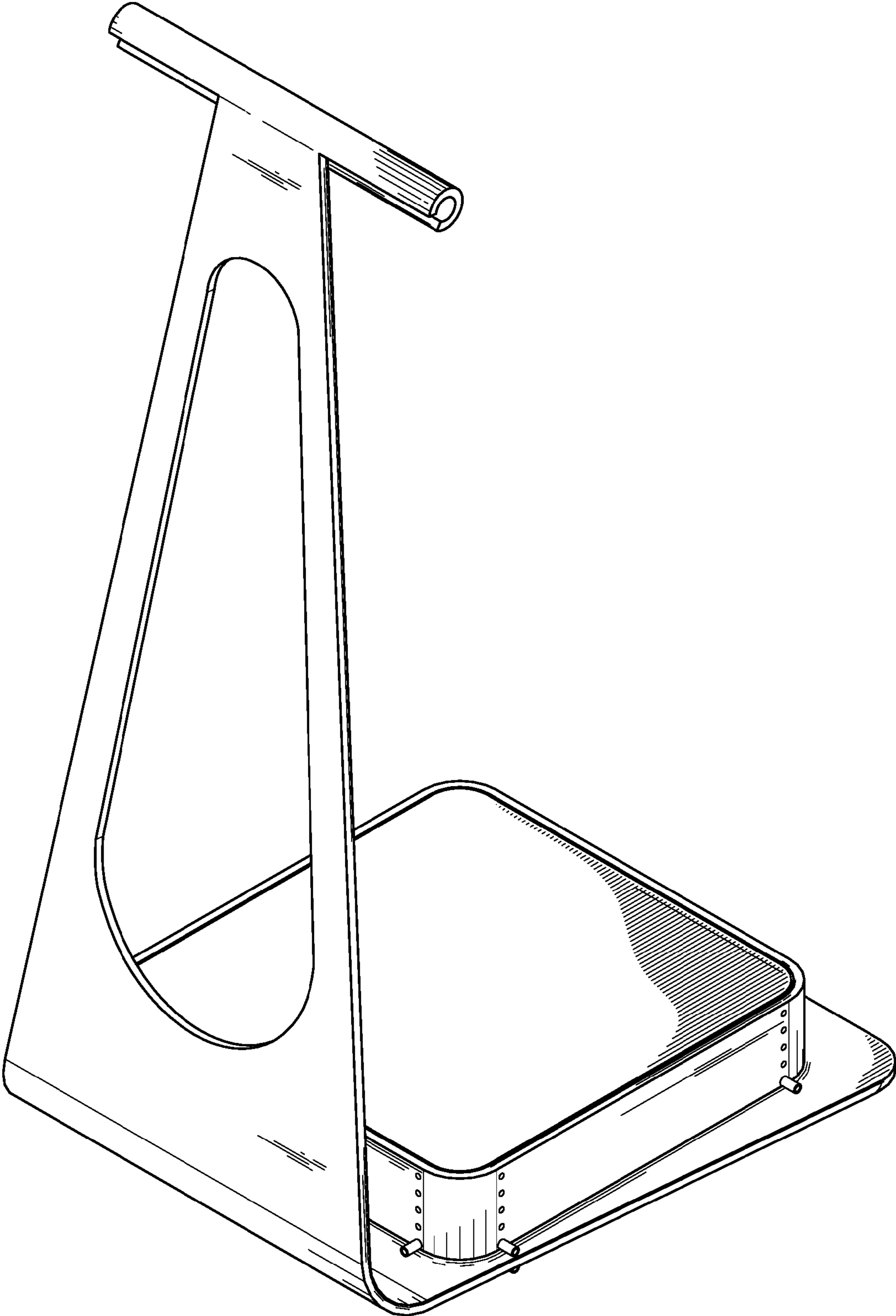


FIG. 1

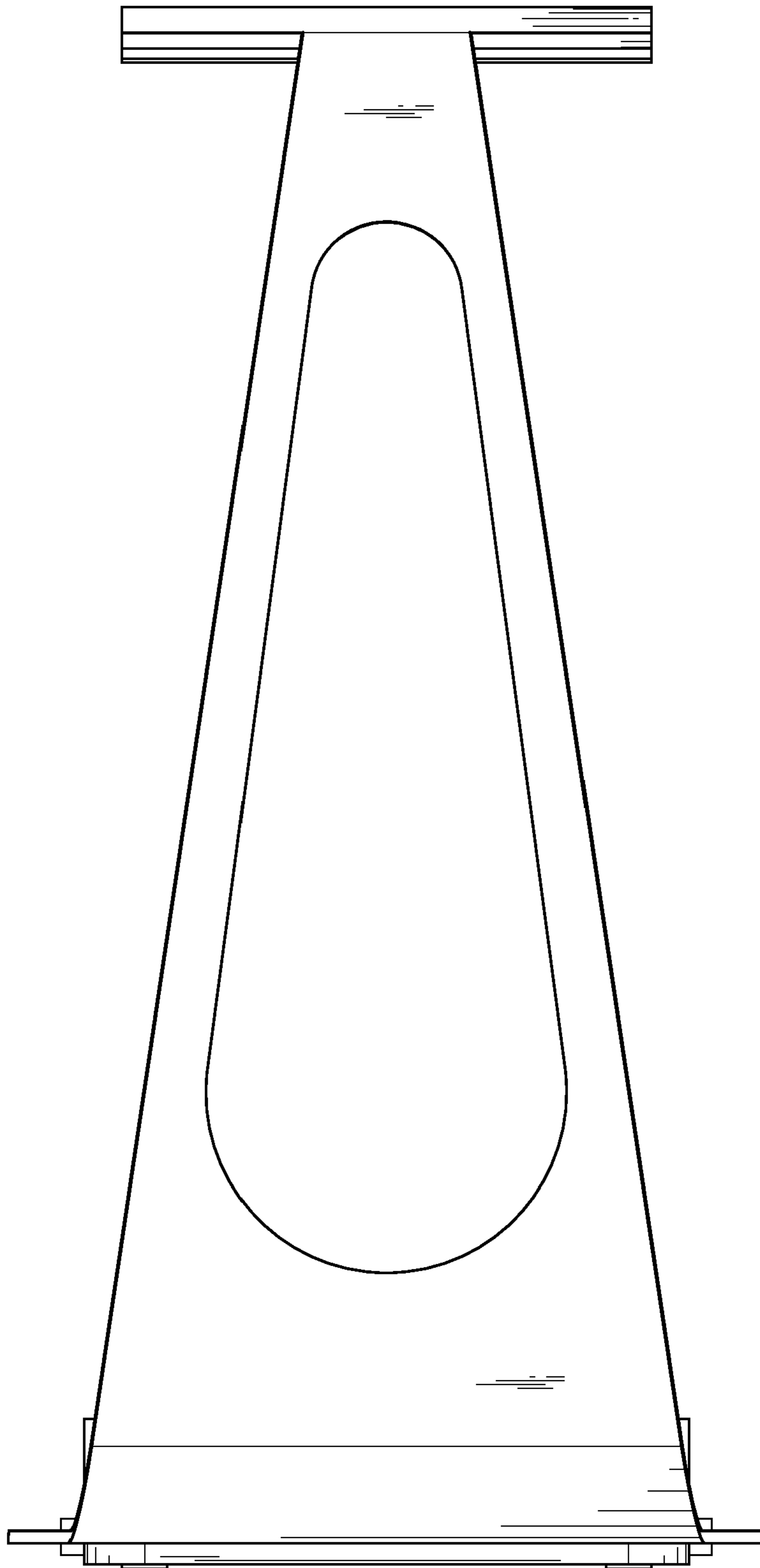


FIG.2

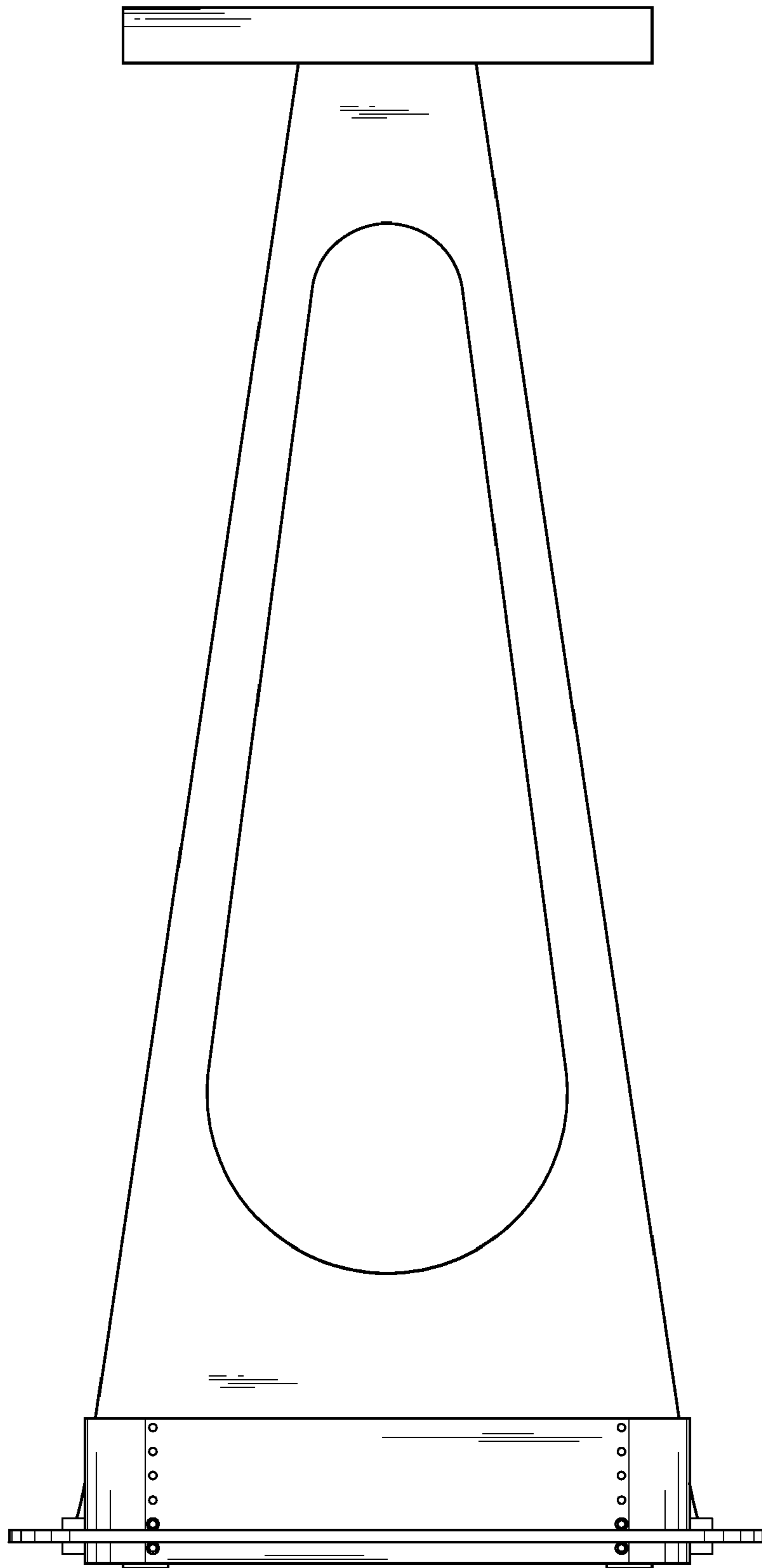


FIG.3

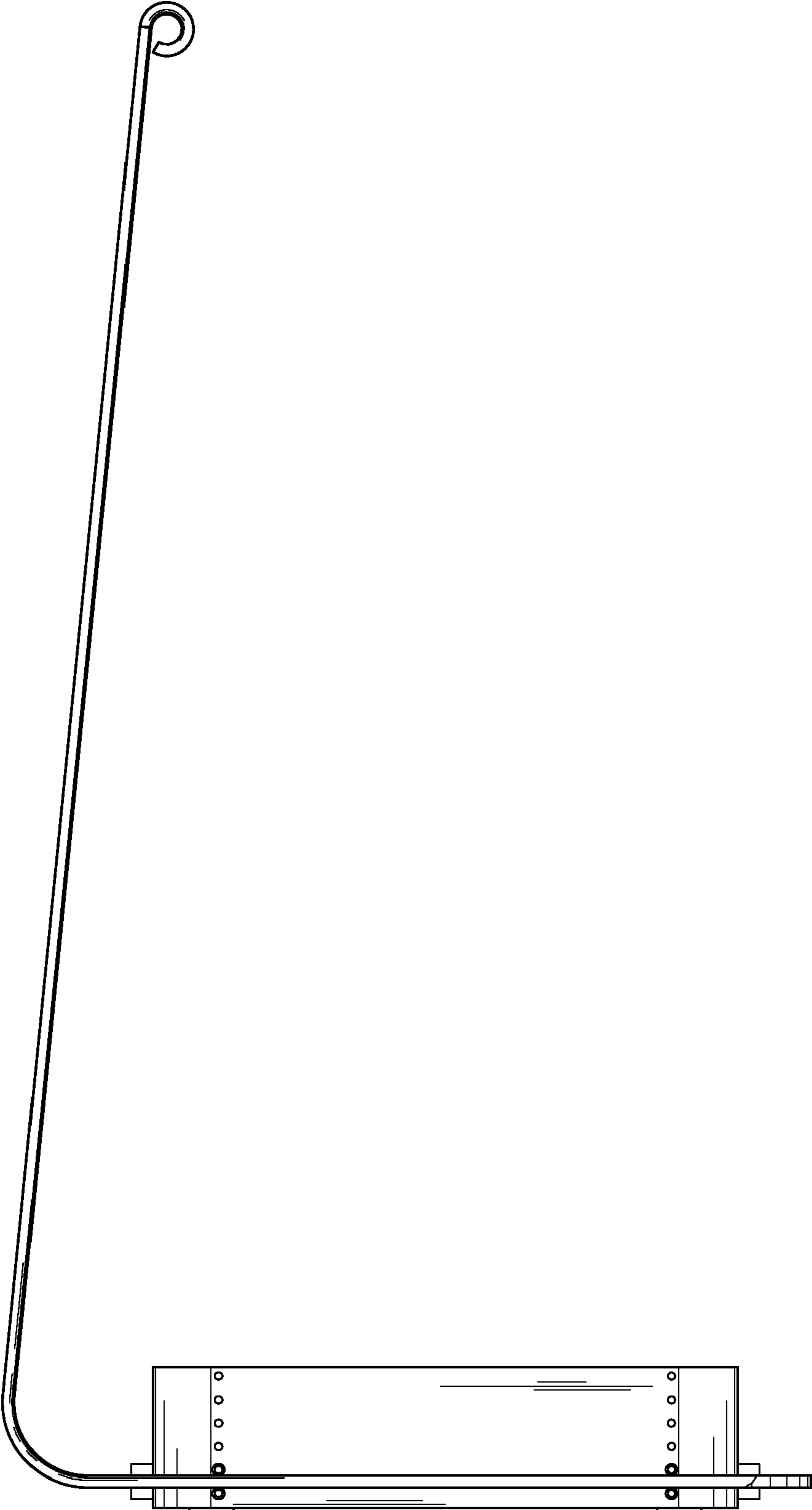


FIG. 4

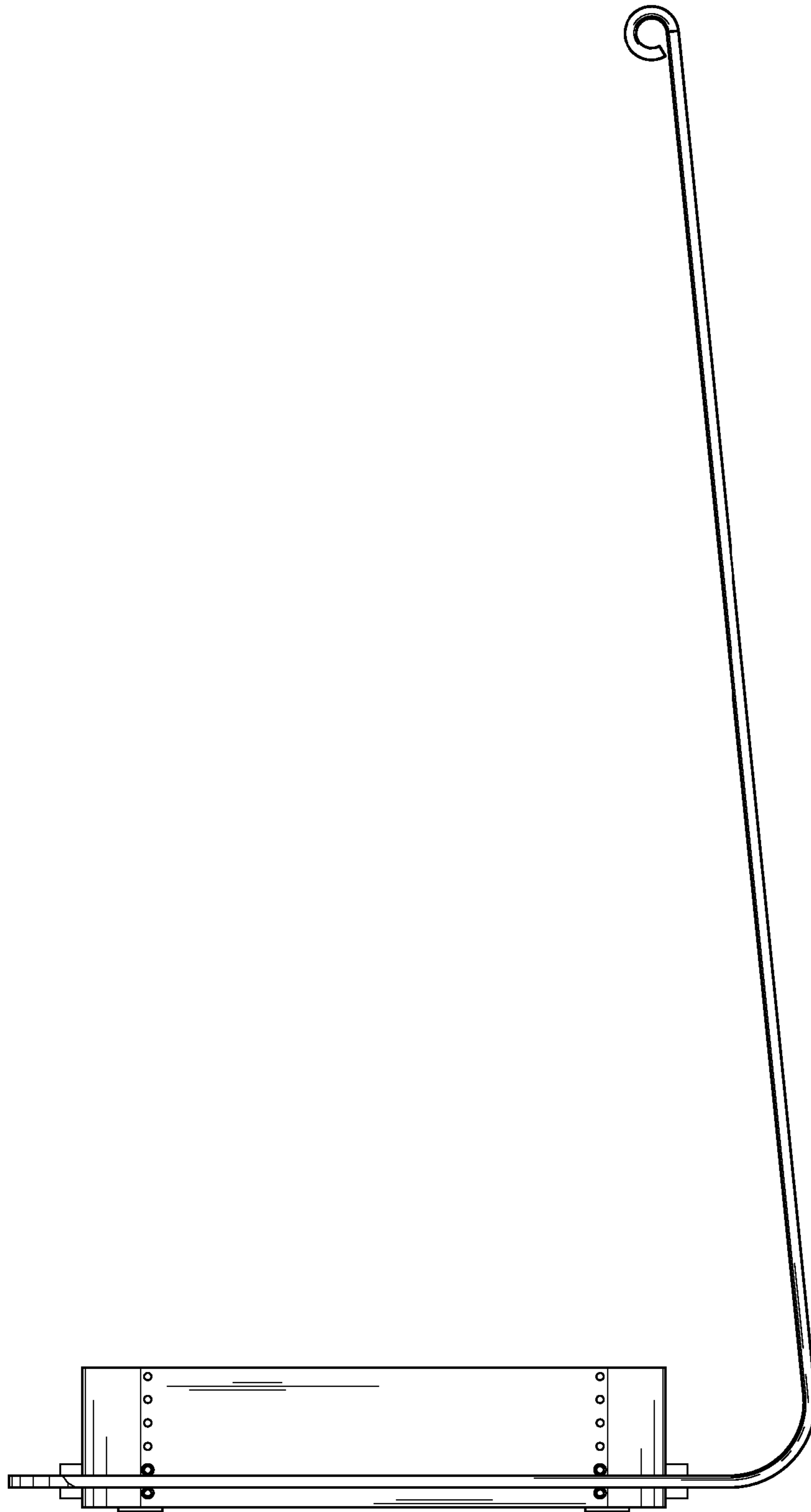


FIG.5

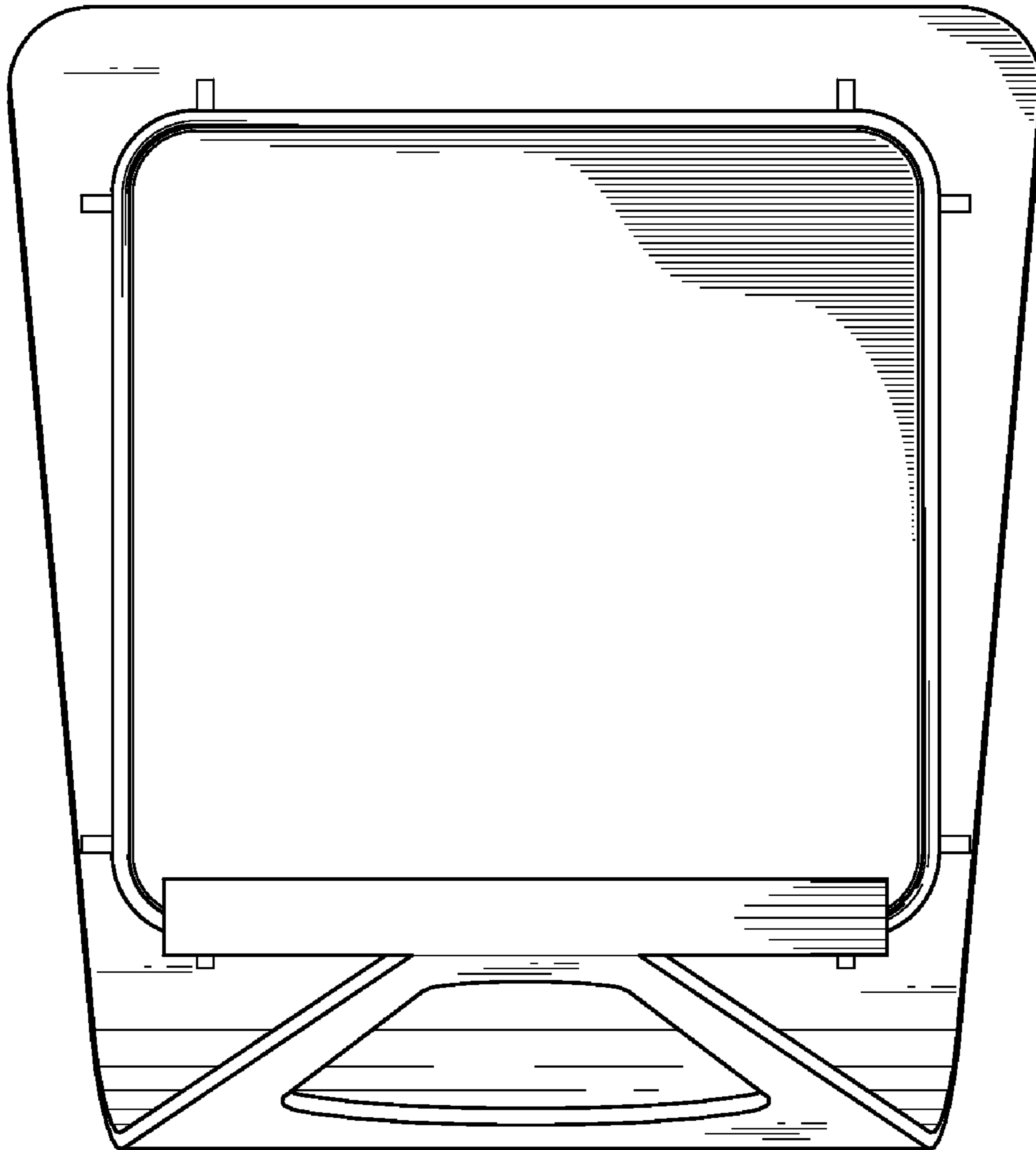


FIG.6

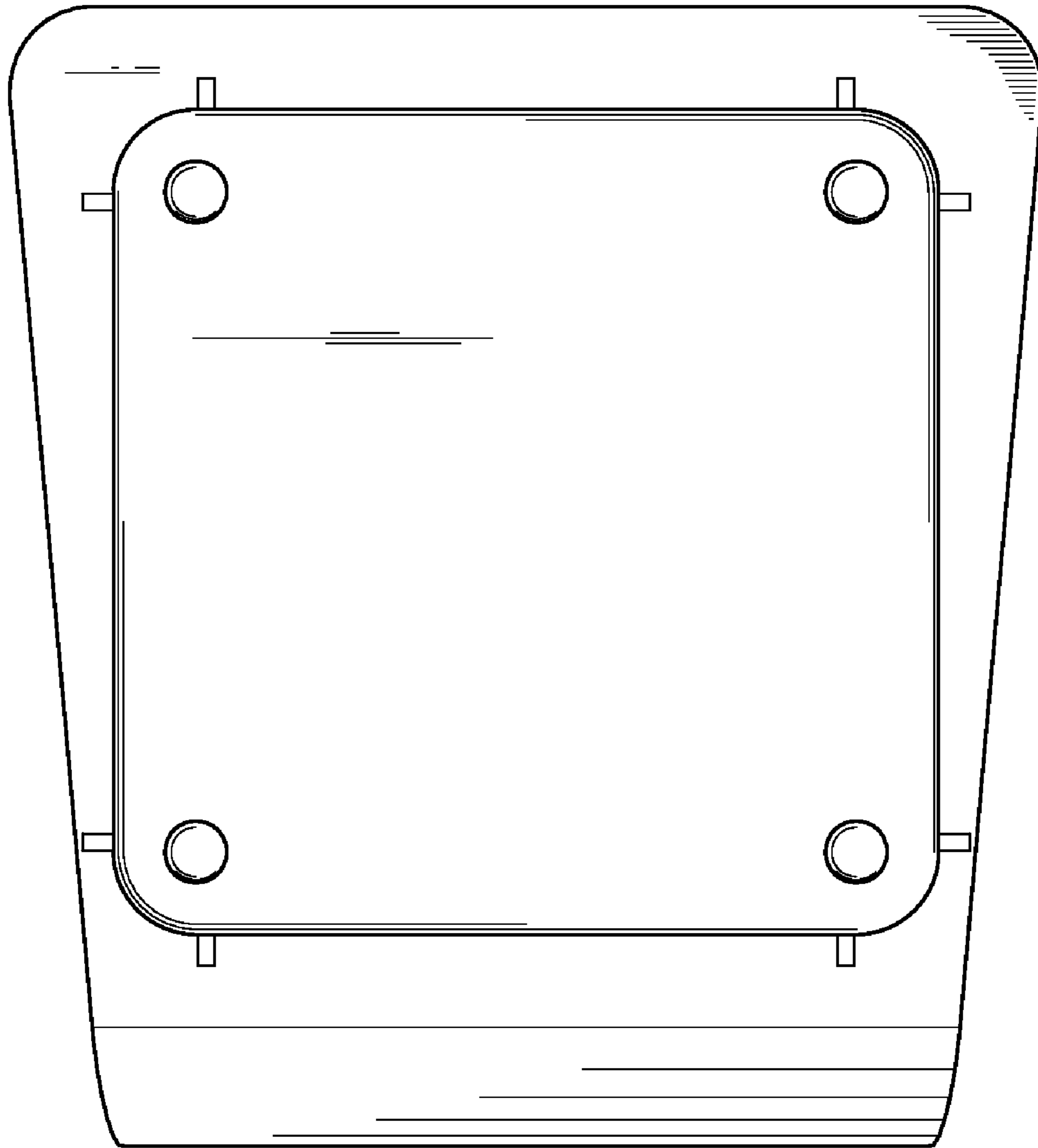


FIG.7