



US00D517124S

(12) **United States Design Patent** (10) **Patent No.:** **US D517,124 S**
Merril et al. (45) **Date of Patent:** **** Mar. 14, 2006**

(54) **GAME CONTROLLER**

3,428,312 A 2/1969 Machen

(Continued)

(75) Inventors: **Greg Merrill**, Bethesda, MD (US);
Philip Feldman, Catonsville, MD (US);
Jeff Schott, Bethesda, MD (US); **Jason Grimm**, Owings Mills, MD (US); **Peter Tsai**, Olney, MD (US)

FOREIGN PATENT DOCUMENTS

WO WO 91/11221 8/1991
WO WO 00/57387 A1 9/2000

(73) Assignee: **PowerGrid Fitness, Inc.**, Laurel, MD (US)

OTHER PUBLICATIONS

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

Tom Dang et al.; "Interactive Video Exercise System for Pediatric Brain Injury Rehabilitation"; Proceedings of the RESNA 20th Annual Conference, Jun. 1998; 3 pages.
"Innovation in Action"; Biofeedback Motor Control GmbH; 2 pages.

(21) Appl. No.: **29/217,553**

(22) Filed: **Nov. 19, 2004**

(Continued)

Related U.S. Application Data

Primary Examiner—Prabhakar Deshmukh

(63) Continuation of application No. 10/975,185, filed on Oct. 28, 2004, which is a continuation-in-part of application No. 10/806,280, filed on Mar. 23, 2004, which is a continuation-in-part of application No. 10/309,565, filed on Dec. 4, 2002.

(74) *Attorney, Agent, or Firm*—Edell, Shapiro and Finnan

(51) **LOC (8) Cl.** **21-01**

(57) **CLAIM**

(52) **U.S. Cl.** **D21/324; D21/325; D21/686**

The ornamental design for a game controller, as shown and described.

(58) **Field of Classification Search** D21/324–333,
D21/662, 686, 671; 273/148 B, 440, 454,
273/460, 461; 463/1, 36–38, 46–48; 482/1,
482/9, 4, 51, 901, 902; 434/247, 257

DESCRIPTION

See application file for complete search history.

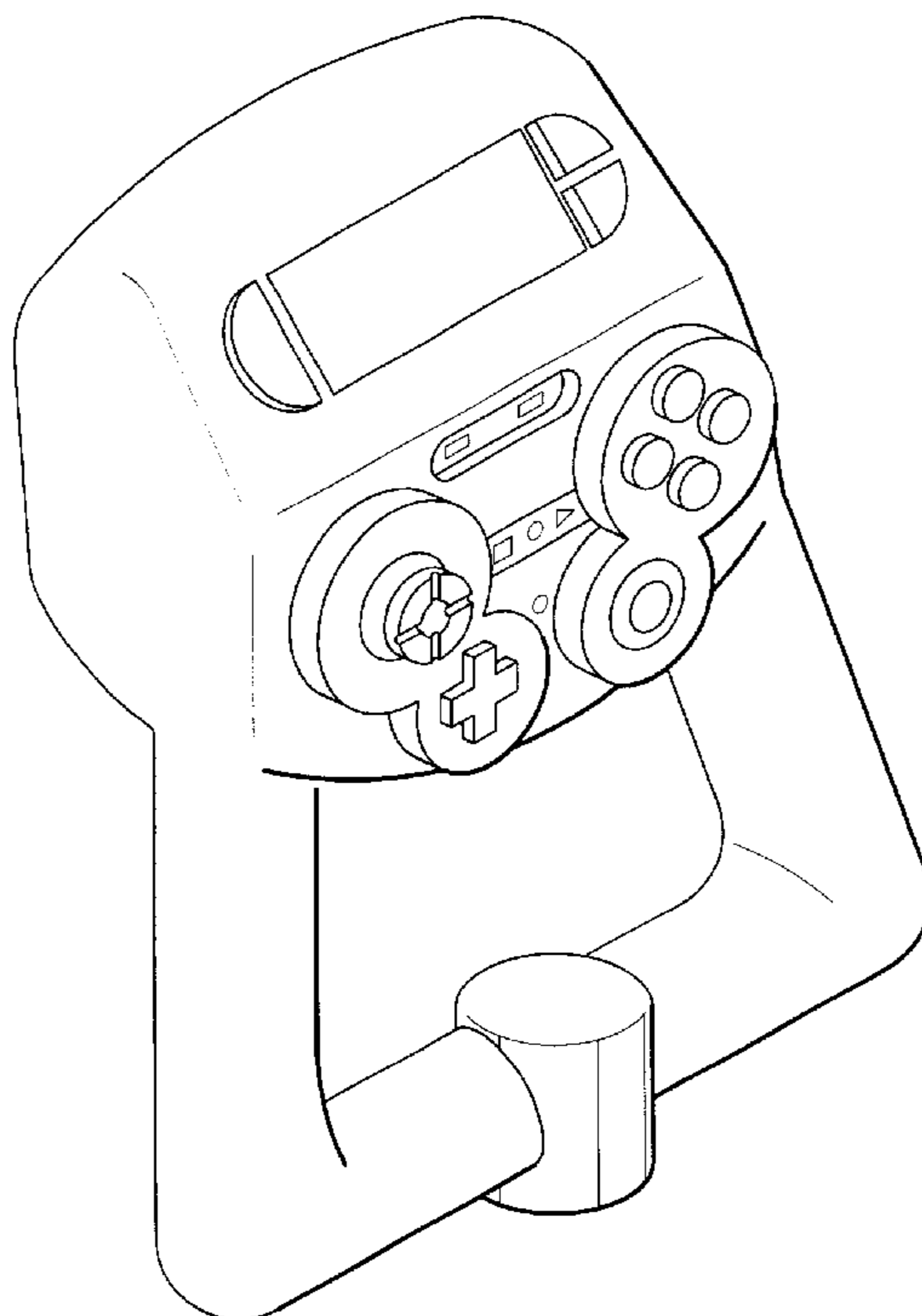
FIG. 1 is a perspective view showing the new design;
FIG. 2 is a left side view in elevation thereof;
FIG. 3 is a right side view in elevation thereof;
FIG. 4 is a top view in plan thereof;
FIG. 5 is a bottom view in plan thereof;
FIG. 6 is a front view in elevation thereof; and,
FIG. 7 is a rear view in elevation thereof.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D188,376 S 7/1960 Hotkins et al.

1 Claim, 4 Drawing Sheets



U.S. PATENT DOCUMENTS

4,296,931 A 10/1981 Yokoi
 4,337,050 A 6/1982 Engalitcheff, Jr.
 4,494,754 A 1/1985 Wagner, Jr.
 4,630,817 A 12/1986 Buckley
 4,680,577 A 7/1987 Straayer et al.
 4,691,694 A 9/1987 Boyd et al.
 4,711,447 A 12/1987 Mansfield
 4,742,832 A 5/1988 Kauffmann et al.
 D318,073 S * 7/1991 Jang D21/326
 5,054,771 A * 10/1991 Mansfield 463/36
 5,089,960 A 2/1992 Sweeney, Jr.
 5,104,119 A * 4/1992 Lynch 482/5
 5,116,296 A 5/1992 Watkins et al.
 5,299,810 A * 4/1994 Pierce et al. 463/2
 5,360,383 A 11/1994 Boren
 5,362,298 A 11/1994 Brown et al.
 5,368,546 A 11/1994 Stark et al.
 5,431,569 A 7/1995 Simpkins et al.
 5,462,503 A 10/1995 Benjamin et al.
 5,466,200 A 11/1995 Ulrich et al.
 5,547,439 A 8/1996 Rawls et al.
 5,551,693 A 9/1996 Goto et al.
 D376,826 S 12/1996 Ashida
 5,584,700 A 12/1996 Feldman et al.
 5,591,104 A 1/1997 Andrus et al.
 D384,115 S * 9/1997 Wilkinson et al. D21/668
 5,689,285 A 11/1997 Asher
 5,690,582 A 11/1997 Ulrich et al.
 5,713,794 A * 2/1998 Shimojima et al. 463/36
 5,716,274 A 2/1998 Goto et al.
 5,785,630 A 7/1998 Bobick et al.
 D397,164 S 8/1998 Goto
 5,792,031 A 8/1998 Alton
 D402,317 S 12/1998 Goto
 5,853,326 A 12/1998 Goto et al.
 5,889,507 A 3/1999 Engle et al.
 D407,758 S * 4/1999 Isetani et al. D21/326
 5,890,995 A 4/1999 Bobick et al.
 5,901,612 A 5/1999 Letovsky
 5,904,639 A 5/1999 Smyser et al.
 D411,258 S 6/1999 Isetani et al.
 5,921,899 A * 7/1999 Rose 482/112
 5,980,256 A 11/1999 Carmein
 D421,070 S 2/2000 Jang et al.
 6,044,772 A 4/2000 Gaudette et al.
 6,086,518 A 7/2000 MacCready, Jr.
 6,102,832 A 8/2000 Tani
 D431,051 S 9/2000 Goto
 D434,769 S 12/2000 Goto
 D434,770 S 12/2000 Goto
 6,216,547 B1 4/2001 Lehtovaara
 D441,369 S 5/2001 Goto
 6,228,000 B1 5/2001 Jones
 6,231,444 B1 5/2001 Goto et al.
 D444,469 S 7/2001 Goto
 6,296,595 B1 10/2001 Stark et al.
 6,325,767 B1 12/2001 Wolff et al.

6,359,613 B1 3/2002 Poole
 D456,410 S 4/2002 Ashida
 D456,854 S 5/2002 Ashida
 D457,570 S 5/2002 Brinson
 6,388,655 B1 5/2002 Leung
 D459,727 S 7/2002 Ashida
 D460,506 S * 7/2002 Tamminga et al. D21/686
 D462,683 S 9/2002 Ashida
 D471,594 S 3/2003 Nojo
 6,568,334 B1 5/2003 Gaudette et al.
 6,616,579 B1 9/2003 Reinbold et al.
 6,636,161 B1 10/2003 Rosenberg
 6,663,058 B1 12/2003 Peterson et al.
 6,726,566 B1 4/2004 Komata
 D500,100 S 12/2004 van der Meer
 2001/0018363 A1 8/2001 Goto et al.
 2002/0185041 A1 12/2002 Herbst
 2003/0193416 A1 10/2003 Ogata et al.
 2004/0041787 A1 3/2004 Graves
 2004/0077464 A1 4/2004 Feldman et al.
 2004/0110602 A1 6/2004 Feldman
 2004/0180719 A1 9/2004 Feldman et al.

OTHER PUBLICATIONS

Glas, V; "Chair Puts Player on the Joystick"; Machine Design; Penton, Inc., vol. 63, No. 21, Oct. 24, 1991; p. 73.
 "AGH's Atari Project Puffer Page"; <http://www.atarihq.com/othersec/puffer/index.html>; retrieved from the Internet on Sep. 19, 2002; 4 pages.
 "The Legible City"; www.jeffrey-shaw.net; retrieved from the Internet on Sep. 19, 2002; 3 pages.
 Antonoff, M.; "Living in a Virtual World"; Popular Science, Jun. 1993; 2 pages.
 Antonoff, M.; "Virtual Violence: Boxing without Bruises"; Popular Science, Apr. 1993; 1 page.
 Brown, S.; "Video Cycle Race"; Popular Science, May 1989; 1 page.
 "Military: Arcade Aces"; Popular Mechanics, Mar. 1982; 1 page.
 "Suncorn Aerobics Joystick"; www.atarihq.com; retrieved from Internet Sep. 19, 2002; 1 page.
 Aukstakalnis, et al.; "The Art and Science of Virtual Reality: Silicon Mirage"; pp. 197-205.
 Hamit, F.; "Virtual Reality and the Exploration of Cyber-space"; Jun. 1, 1993, 4 pages.
 "The Race Begins with \$85"; Randal Sports; 1990; 1 page.
 "The New Exertainment System"; Life Fitness; 1995; 1 page.
 "The History of Nintendo (1889-1997)"; Retrieved from Internet Aug. 24, 1998; pp. 1 and 9-10.
 Skorupa, J.; "Virtual Fitness"; Sports Science, Popular Mechanics; Oct. 1994; 3 pages.
 Manning, R.; "Videogame Players Get a Workout with the Exertainment"; The Courier-Journal Sep. 25, 1994; 1 page.

* cited by examiner

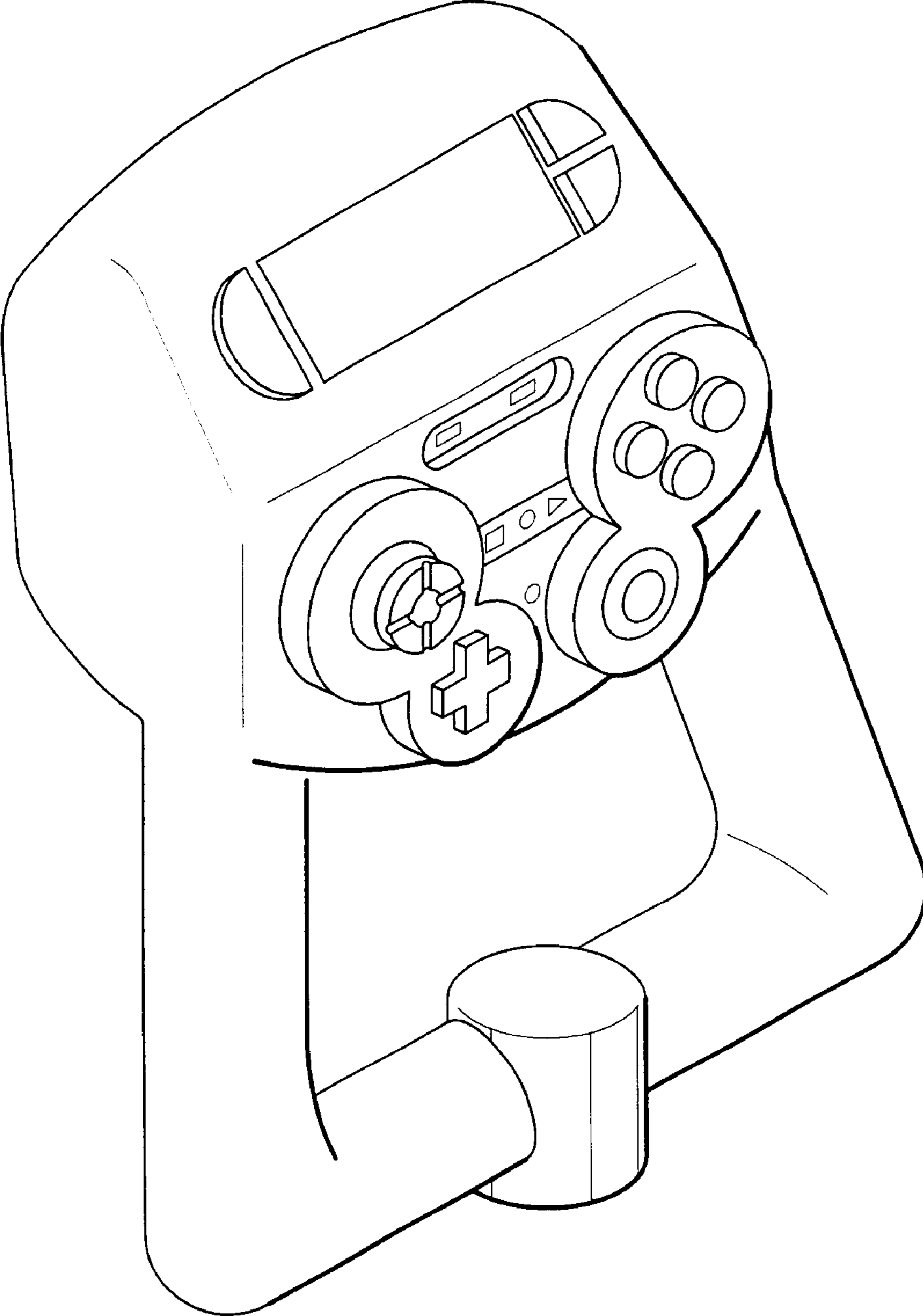


FIG.1

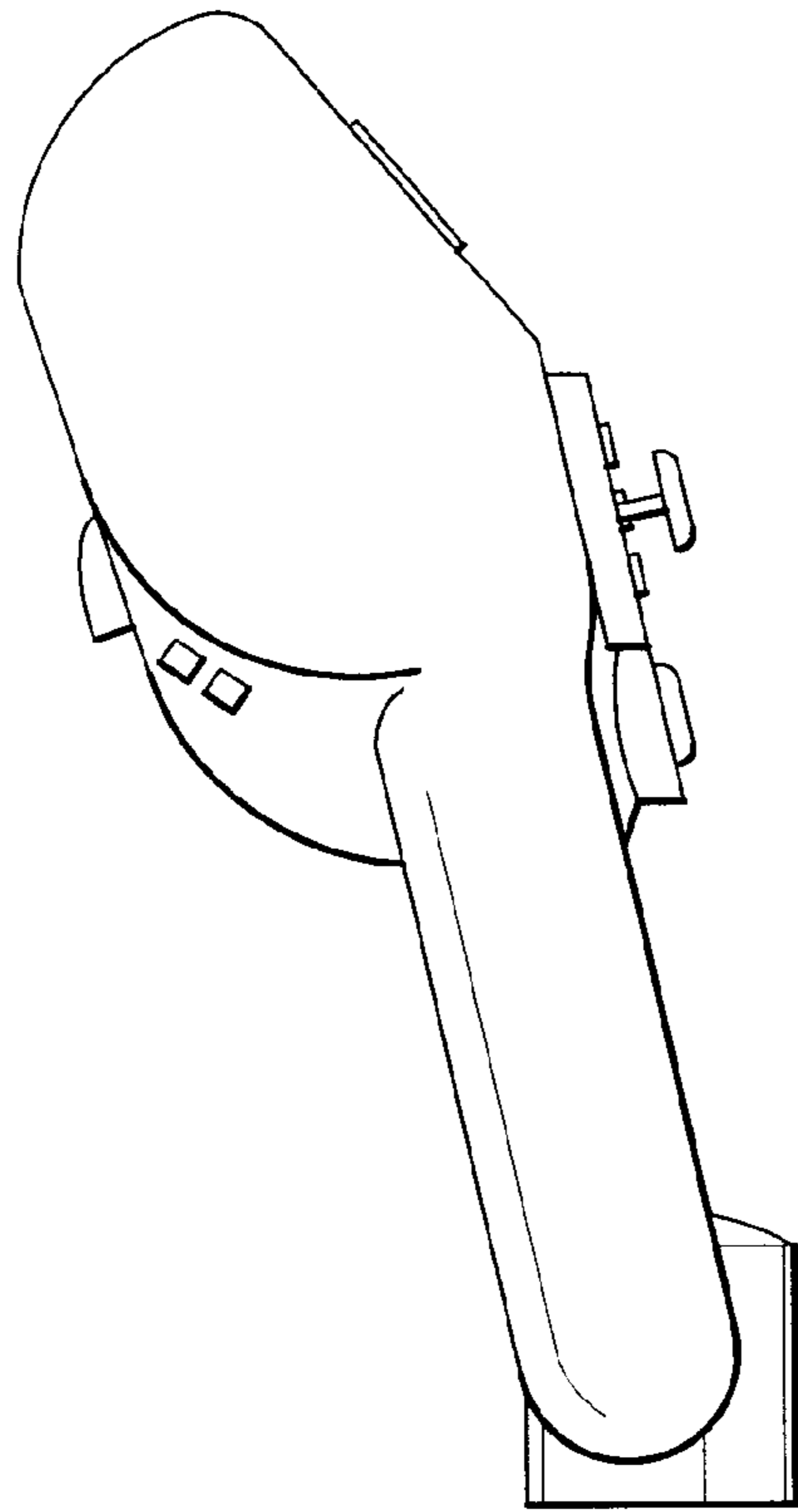


FIG. 2

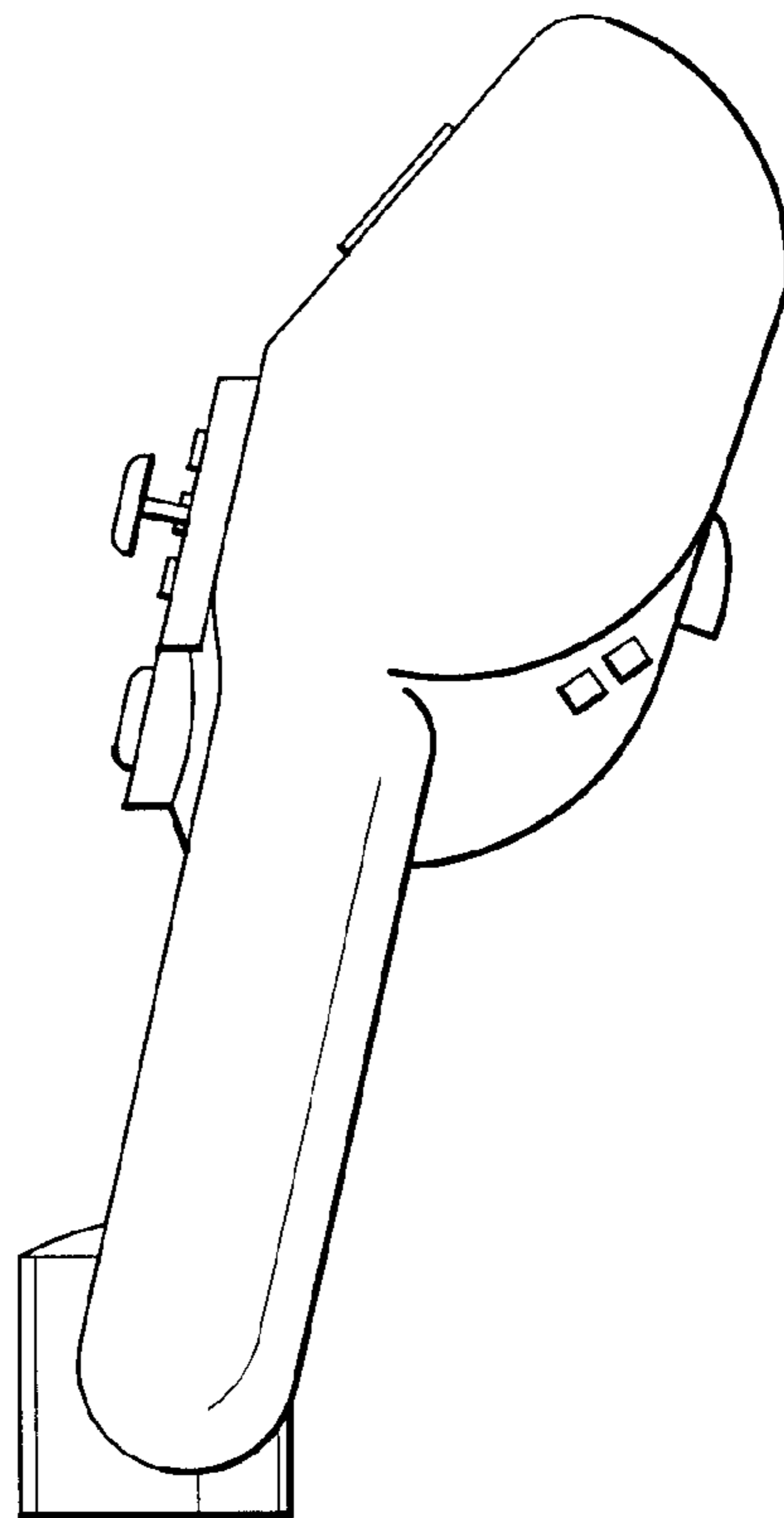


FIG. 3

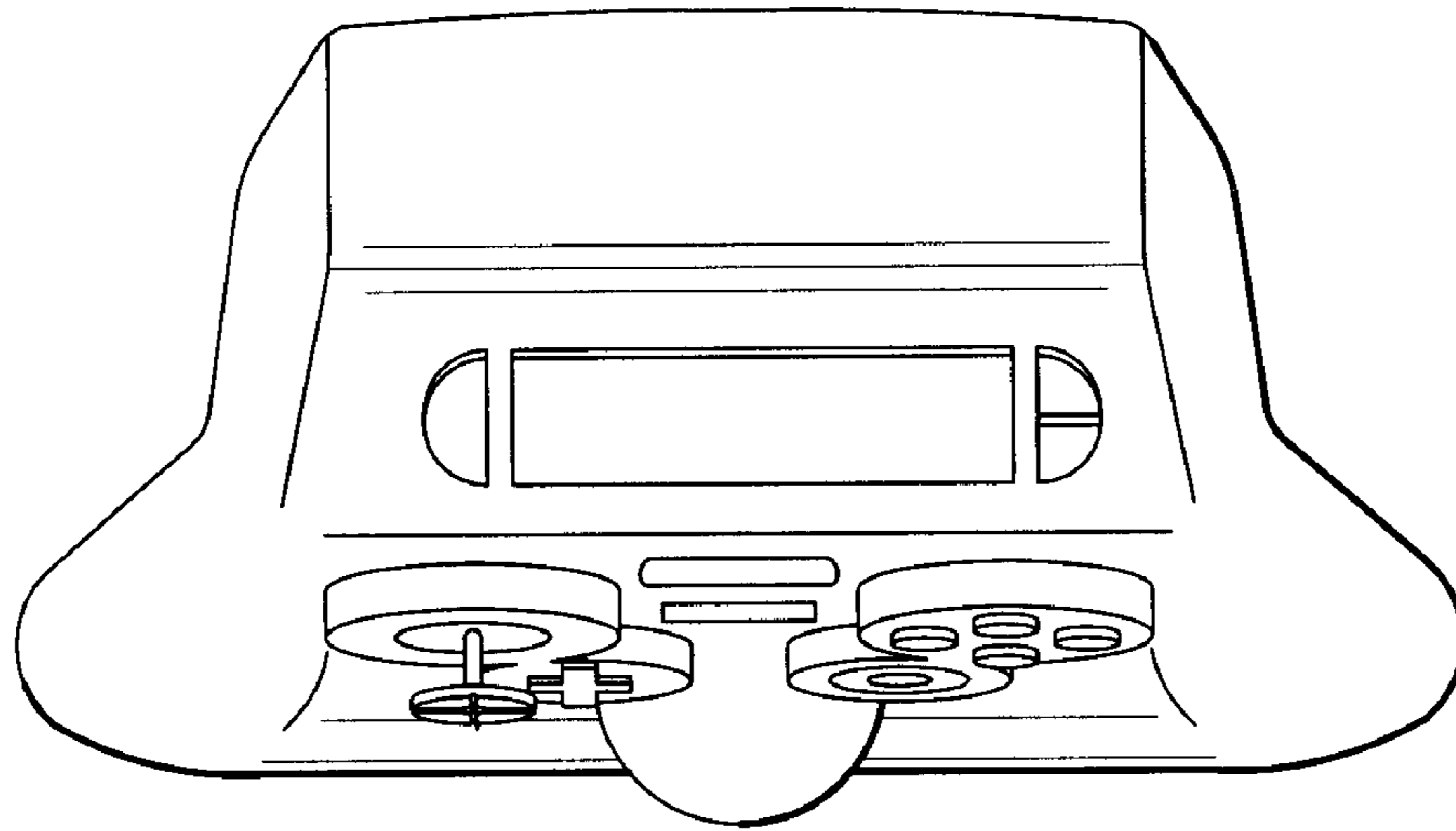


FIG. 4

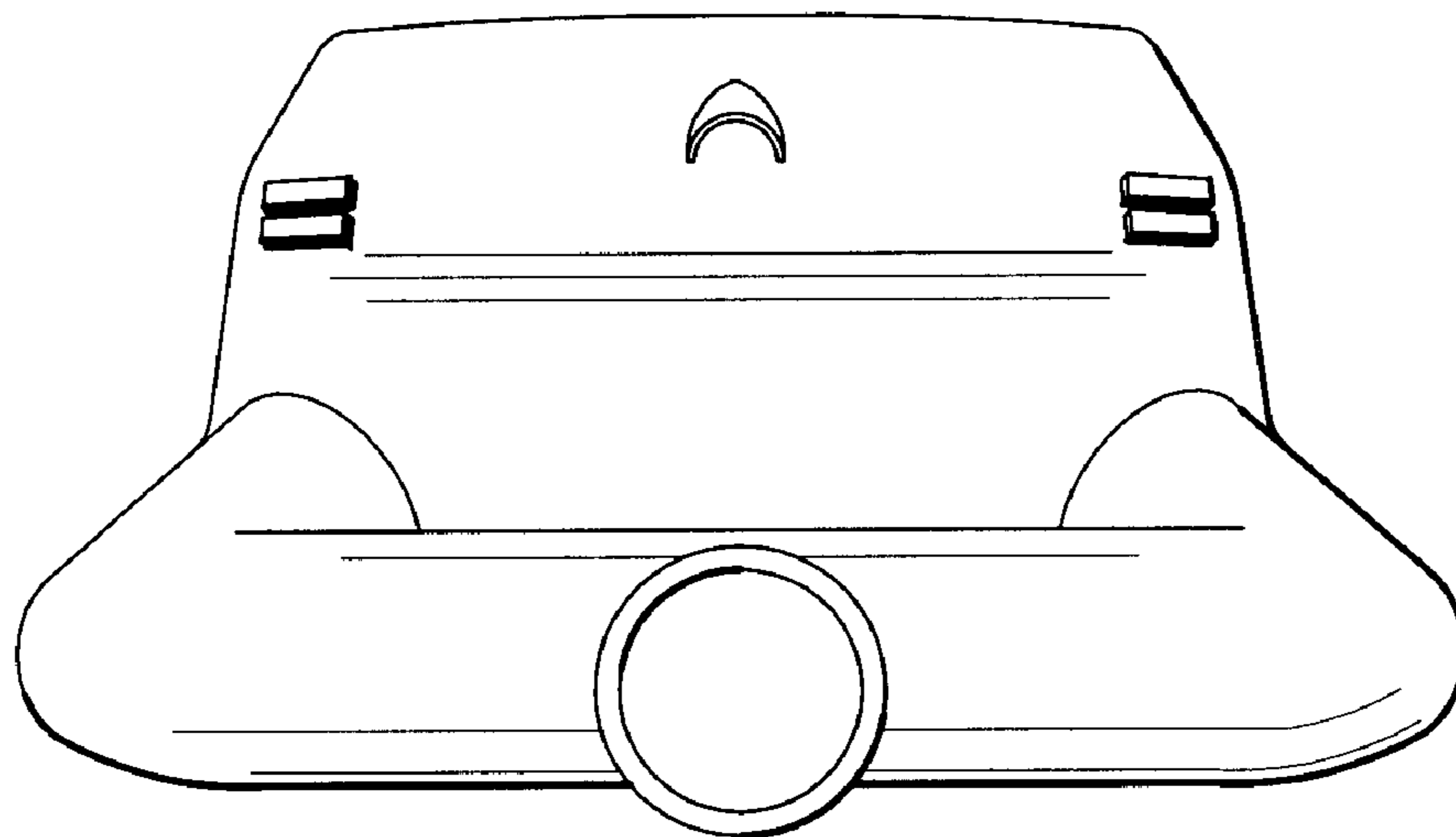


FIG. 5

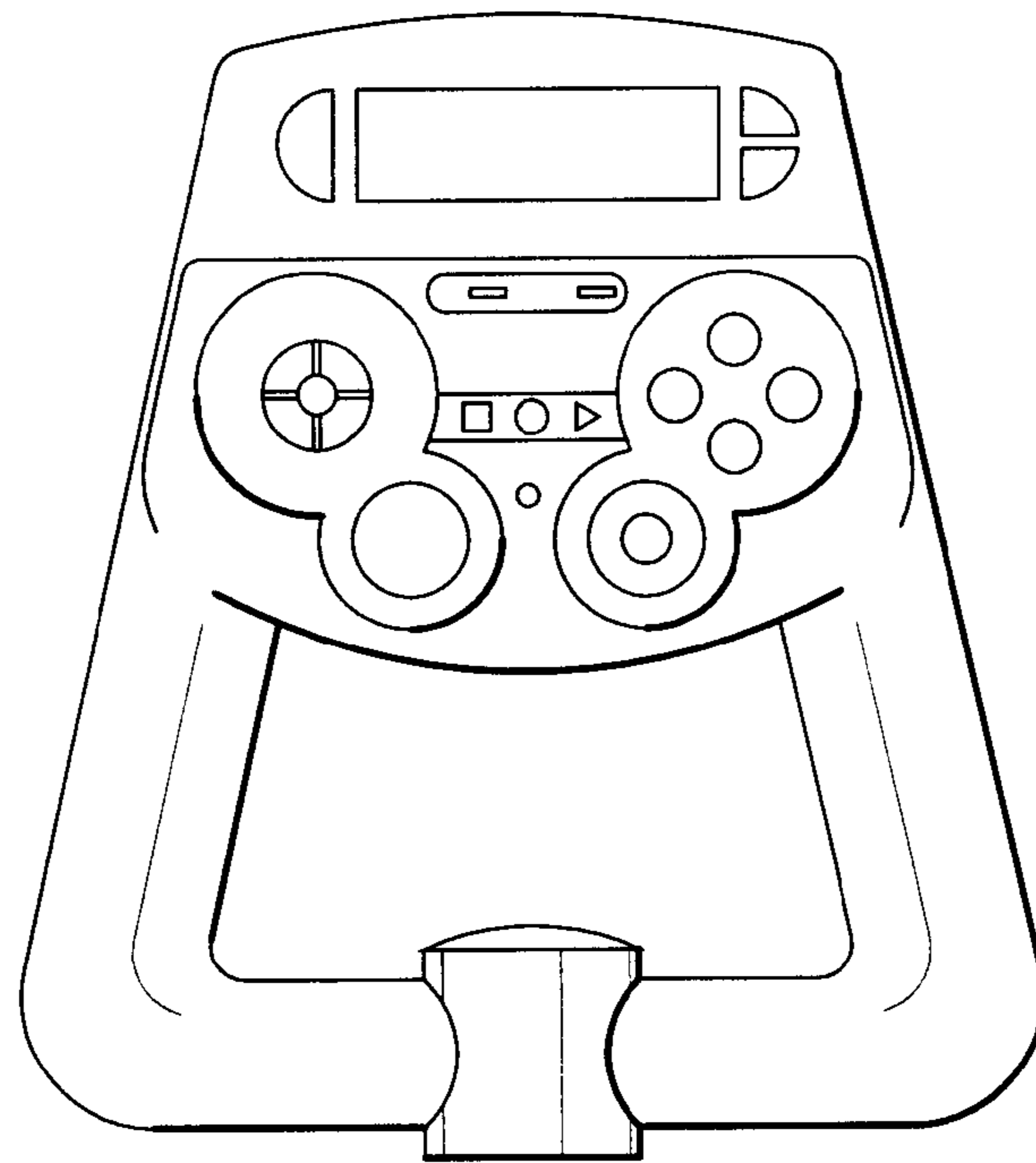


FIG.6

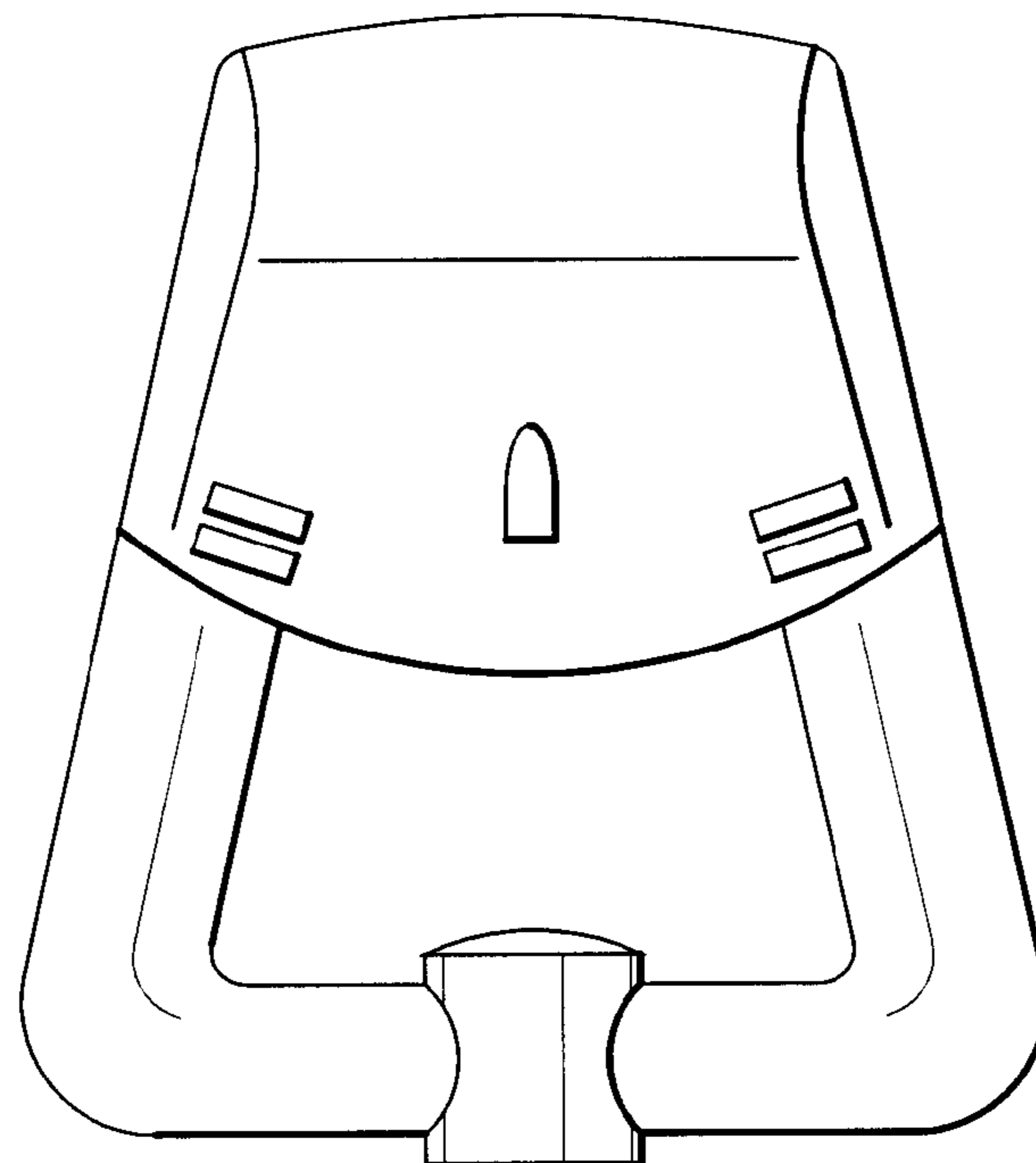


FIG.7