



US00D664304S

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

(10) **Patent No.:** **US D664,304 S**
(45) **Date of Patent:** **** Jul. 24, 2012**

(54) **AUTOMATIC ANIMAL FEEDING SYSTEM**

(76) Inventor: **Steve Whelan**, San Jose, CA (US)

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

(21) Appl. No.: **29/334,923**

(22) Filed: **Apr. 4, 2009**

(51) **LOC (9) Cl.** **30-07**

(52) **U.S. Cl.** **D30/122; D30/121; D30/129**

(58) **Field of Classification Search** D30/121,
D30/122, 129-133; 119/61.5, 51.01, 61.56,
119/51.03, 59, 62, 63, 51.5, 57.8, 74, 61.54,
119/61.55, 53, 53.5, 75; 312/204; 248/151,
248/188; 108/156, 153.1-157; 220/23.87,
220/630, 737, 743, 9.4, 495.01, 574, 212,
220/255, 23.83; 206/515; D7/586, 543,
D7/550.1, 587, 505, 584, 545, 500, 553.1-553.8,
D7/546, 555, 556, 504, 565, 562, 602; D9/429;
43/109; D22/122; 99/430, DIG. 15

See application file for complete search history.

D309,548 S * 7/1990 McCloskey D7/378
D320,716 S * 10/1991 Maass D7/378
D337,240 S * 7/1993 Levin D7/386
D339,715 S * 9/1993 Barrault D7/378
D343,547 S * 1/1994 Levin D7/386
D347,966 S * 6/1994 Doggett D7/378
D351,689 S * 10/1994 VanSkiver D30/121
D364,942 S * 12/1995 VanSkiver et al. D30/121
D370,151 S * 5/1996 McLinden et al. D7/378
D371,643 S * 7/1996 Lillelund et al. D30/122
D374,109 S * 9/1996 Lillelund et al. D30/121
D374,516 S * 10/1996 Lillelund et al. D30/132
D383,797 S * 9/1997 Finnegan D30/132
D392,839 S * 3/1998 Hippen et al. D7/386
D395,375 S * 6/1998 Hippen et al. D7/386
D400,757 S * 11/1998 Hippen et al. D7/378
D404,247 S * 1/1999 Spagnolo D7/378
D404,607 S * 1/1999 Huang D7/378
D406,924 S * 3/1999 Kolozsvari D30/121
D406,926 S * 3/1999 Kolozsvari D30/132
6,079,361 A * 6/2000 Bowell et al. 119/72
6,092,922 A * 7/2000 Kett et al. 366/205
D440,813 S * 4/2001 Gort-Barten D7/378
D444,344 S * 7/2001 Barthelemy et al. D7/378
D450,978 S * 11/2001 Smith D7/378
D451,756 S * 12/2001 Deros et al. D7/378
6,401,657 B1 * 6/2002 Krishnamurthy 119/51.11

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,069,943 A * 8/1913 Haffey 119/77
1,533,627 A * 4/1925 Averill 222/586
2,369,496 A * 2/1945 Sengbusch 222/586
2,690,280 A * 9/1954 Henningsen 222/457
3,720,184 A * 3/1973 Pearce 119/51.5
3,730,141 A * 5/1973 Manning et al. 119/51.5
3,800,745 A * 4/1974 Fassauer 119/51.11
4,034,715 A * 7/1977 Arner 119/51.5
D251,231 S * 3/1979 Hashimoto D7/384
D256,087 S * 7/1980 Minami D7/384
D259,133 S * 5/1981 Klawitter D21/525
D272,120 S * 1/1984 Sawada et al. D7/384
D277,634 S * 2/1985 Doggett D7/386
4,513,688 A * 4/1985 Fassauer 119/57.1
4,721,063 A * 1/1988 Atchley 119/52.1
4,735,171 A * 4/1988 Essex 119/51.12
D298,204 S * 10/1988 Mikami D7/384
4,840,143 A * 6/1989 Simon 119/52.1

Primary Examiner — Susan Moon Lee

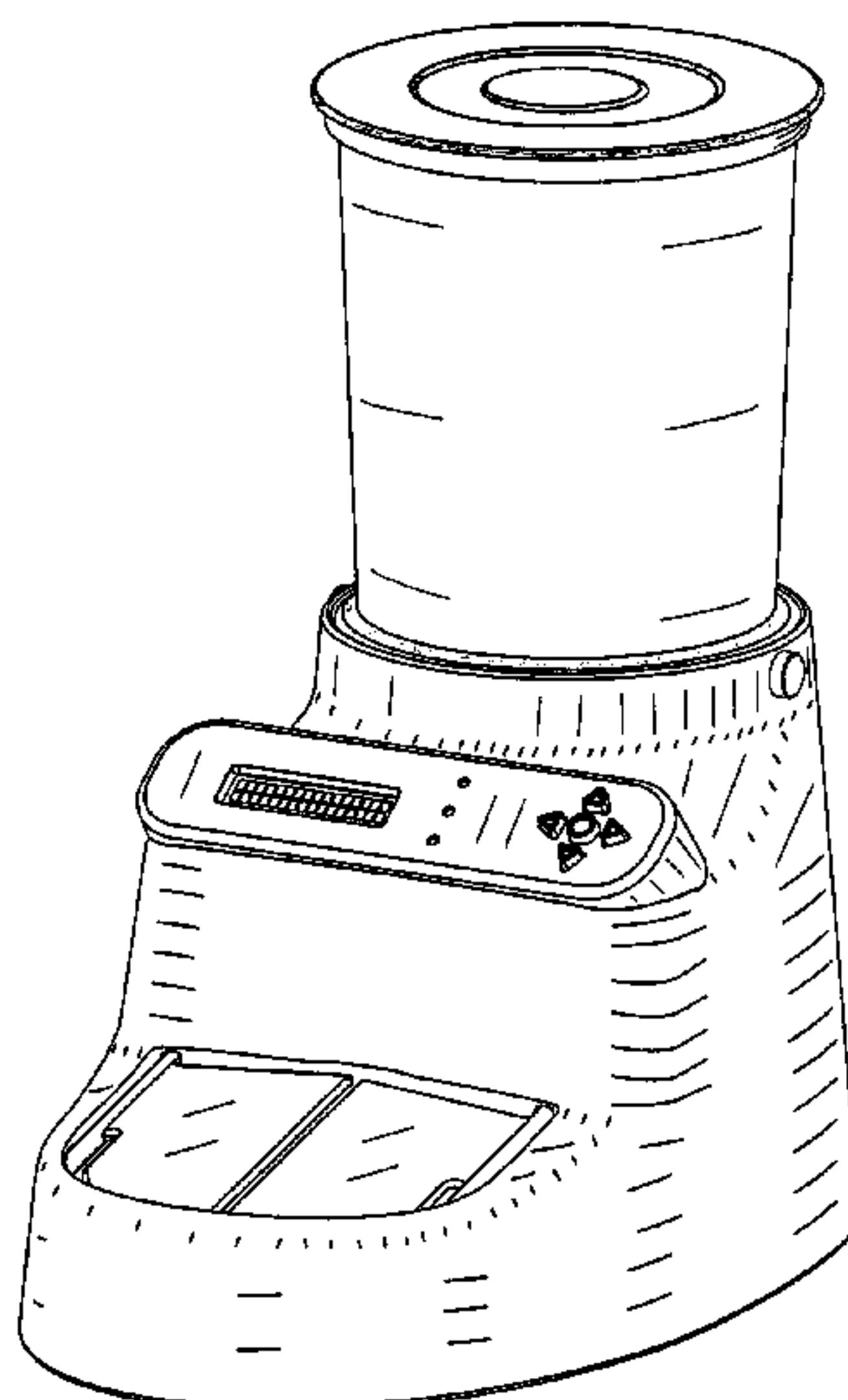
(57) **CLAIM**

The ornamental design of an automatic animal feeding system, as shown and described.

DESCRIPTION

FIG. 1 is a front elevation view of an automatic animal feeding system according to the present invention;
FIG. 2 is a side elevation view thereof, the opposite side elevation view being a mirror image thereof;
FIG. 3 is a back elevation view thereof;
FIG. 4 is a top view thereof; and,
FIG. 5 is a perspective view thereof.

1 Claim, 5 Drawing Sheets



U.S. PATENT DOCUMENTS

6,467,428 B1 * 10/2002 Andrisin et al. 119/51.5
6,477,981 B1 * 11/2002 Harper 119/52.4
D484,357 S * 12/2003 Seum et al. D7/378
6,681,718 B1 * 1/2004 Mcllarky 119/53
D488,344 S * 4/2004 Seum et al. D7/384
6,789,503 B1 * 9/2004 Gao 119/51.11
6,863,025 B2 * 3/2005 Ness 119/72
D504,545 S * 4/2005 Morosin et al. D30/122
6,928,954 B2 * 8/2005 Krishnamurthy 119/51.5
7,040,249 B1 * 5/2006 Mushen 119/51.5
D530,565 S * 10/2006 Grcic D7/378
D532,251 S * 11/2006 Kassenaar D7/378
D534,394 S * 1/2007 Zhiwen et al. D7/378
D540,492 S * 4/2007 Gorr D30/131
D543,072 S * 5/2007 Ting et al. D7/378
7,228,816 B2 * 6/2007 Turner et al. 119/51.02
D553,904 S * 10/2007 Romandy D7/378

D560,963 S * 2/2008 Altheimer et al. D7/378
D563,605 S * 3/2008 Morris et al. D30/122
7,426,901 B2 * 9/2008 Turner et al. 119/51.02
D611,760 S * 3/2010 Ball D7/378
D625,141 S * 10/2010 Moore D7/378
D625,142 S * 10/2010 Moore D7/384
D625,144 S * 10/2010 Moore et al. D7/384
7,895,973 B1 * 3/2011 Whelan 119/51.02
D642,860 S * 8/2011 Tse D7/384
D645,301 S * 9/2011 Tse D7/378
2005/0217591 A1 * 10/2005 Turner et al. 119/51.02
2007/0012253 A1 * 1/2007 Zheng 119/51.02
2007/0193524 A1 * 8/2007 Turner et al. 119/51.02
2009/0173282 A1 * 7/2009 Wu et al. 119/51.02
2010/0263596 A1 * 10/2010 Schumann et al. 119/51.02
2011/0139076 A1 * 6/2011 Pu et al. 119/51.02
2011/0197819 A1 * 8/2011 Montgomery 119/51.11

* cited by examiner

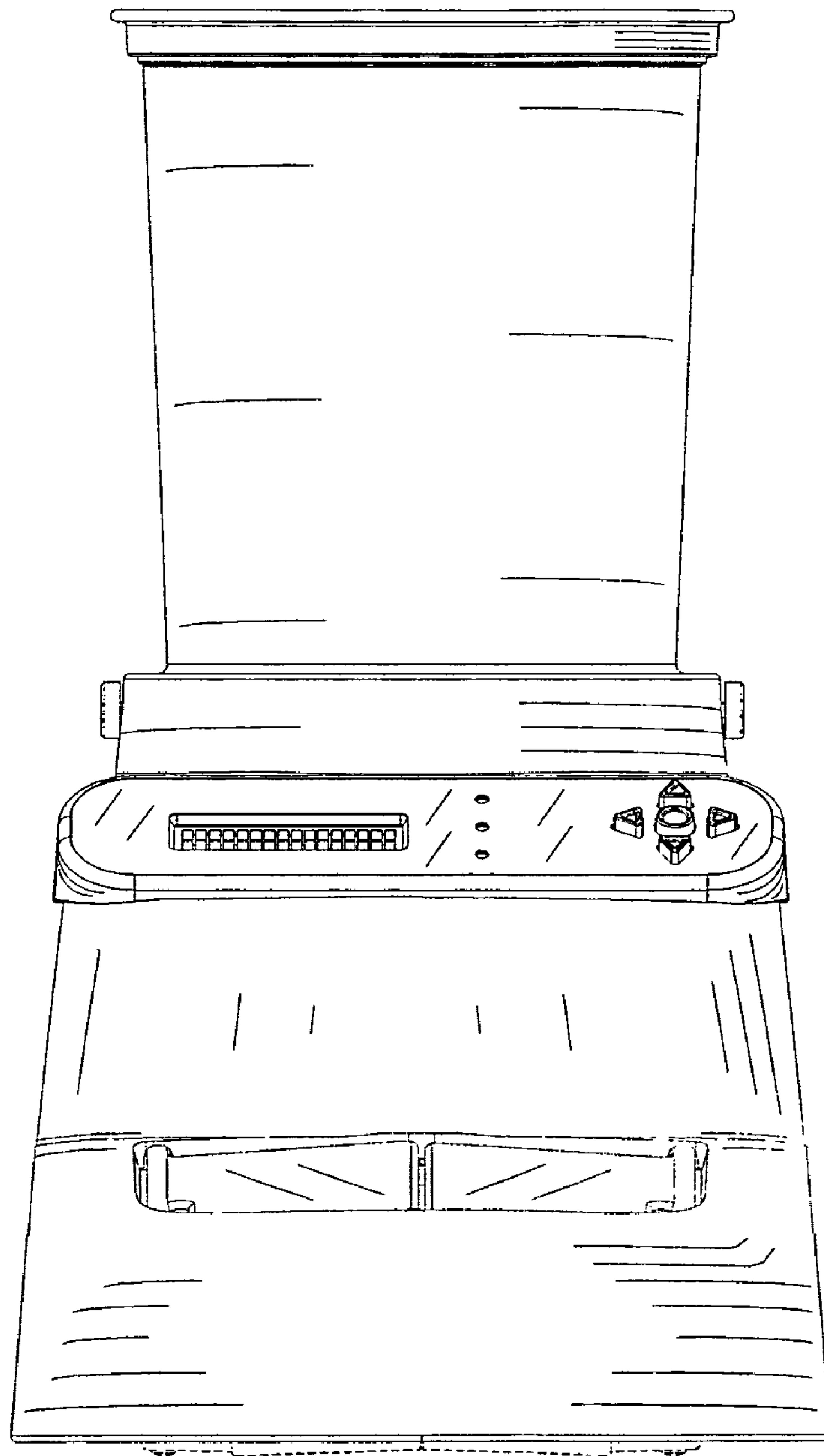


FIG. 1

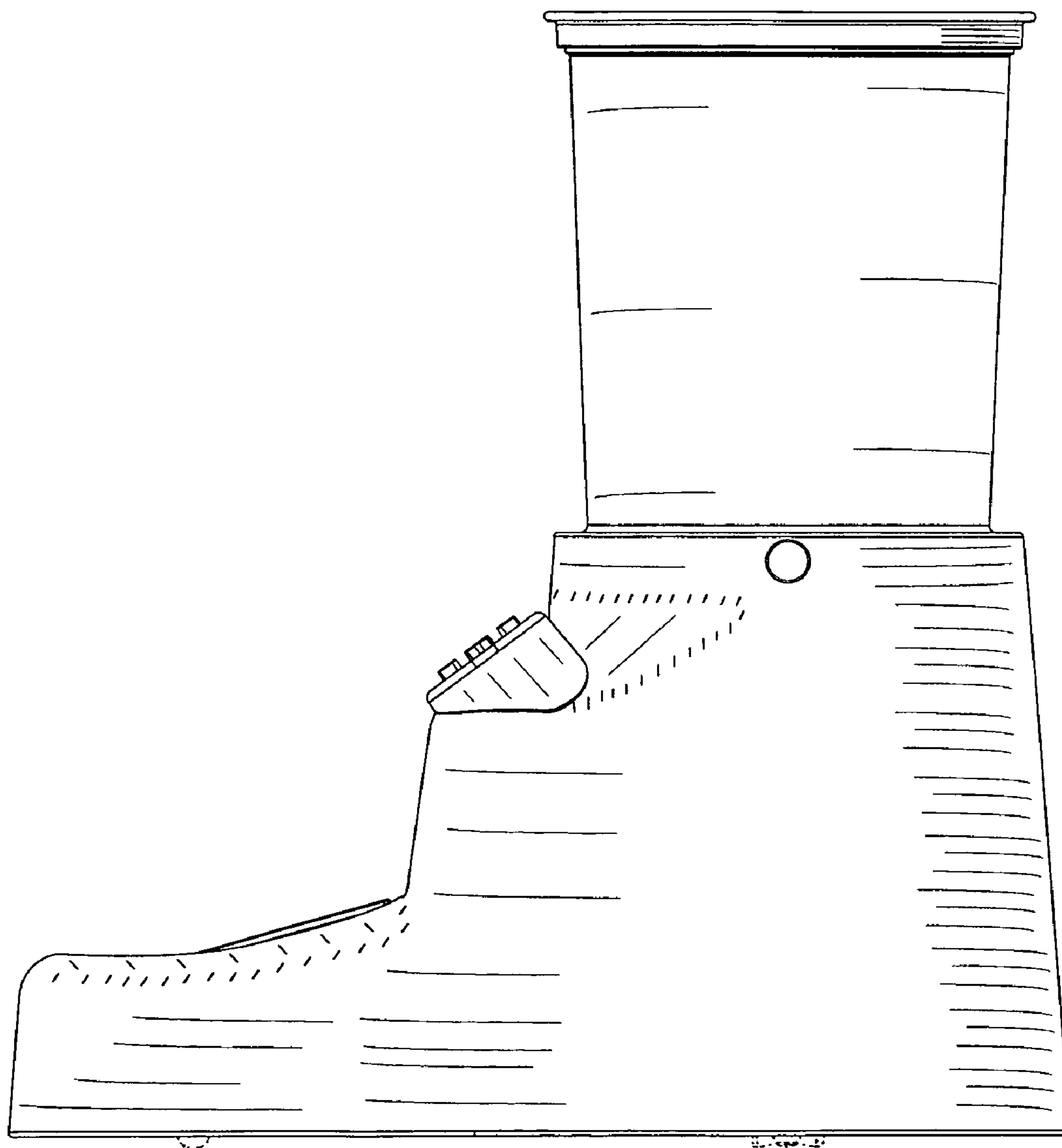


FIG. 2

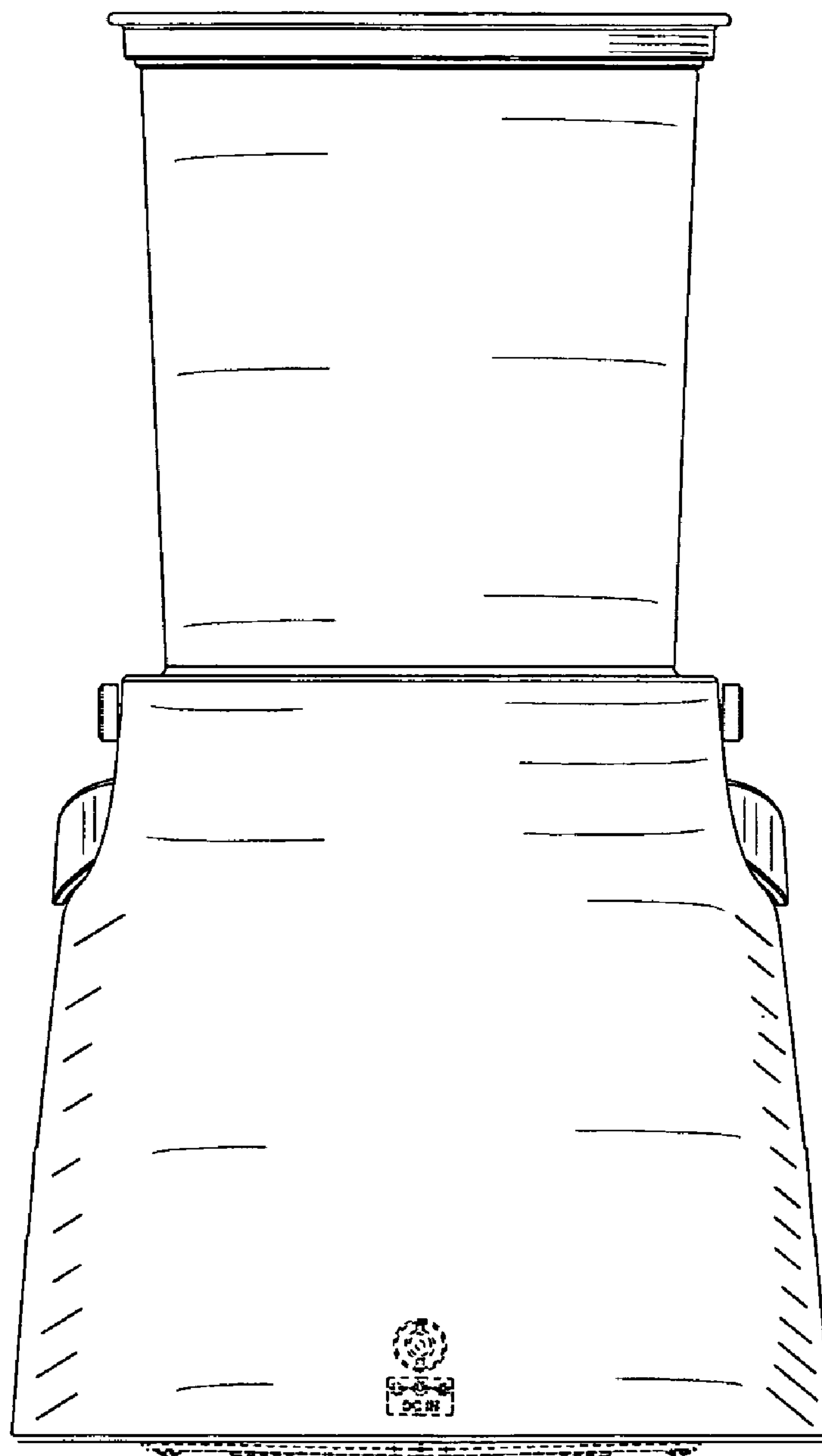


FIG. 3

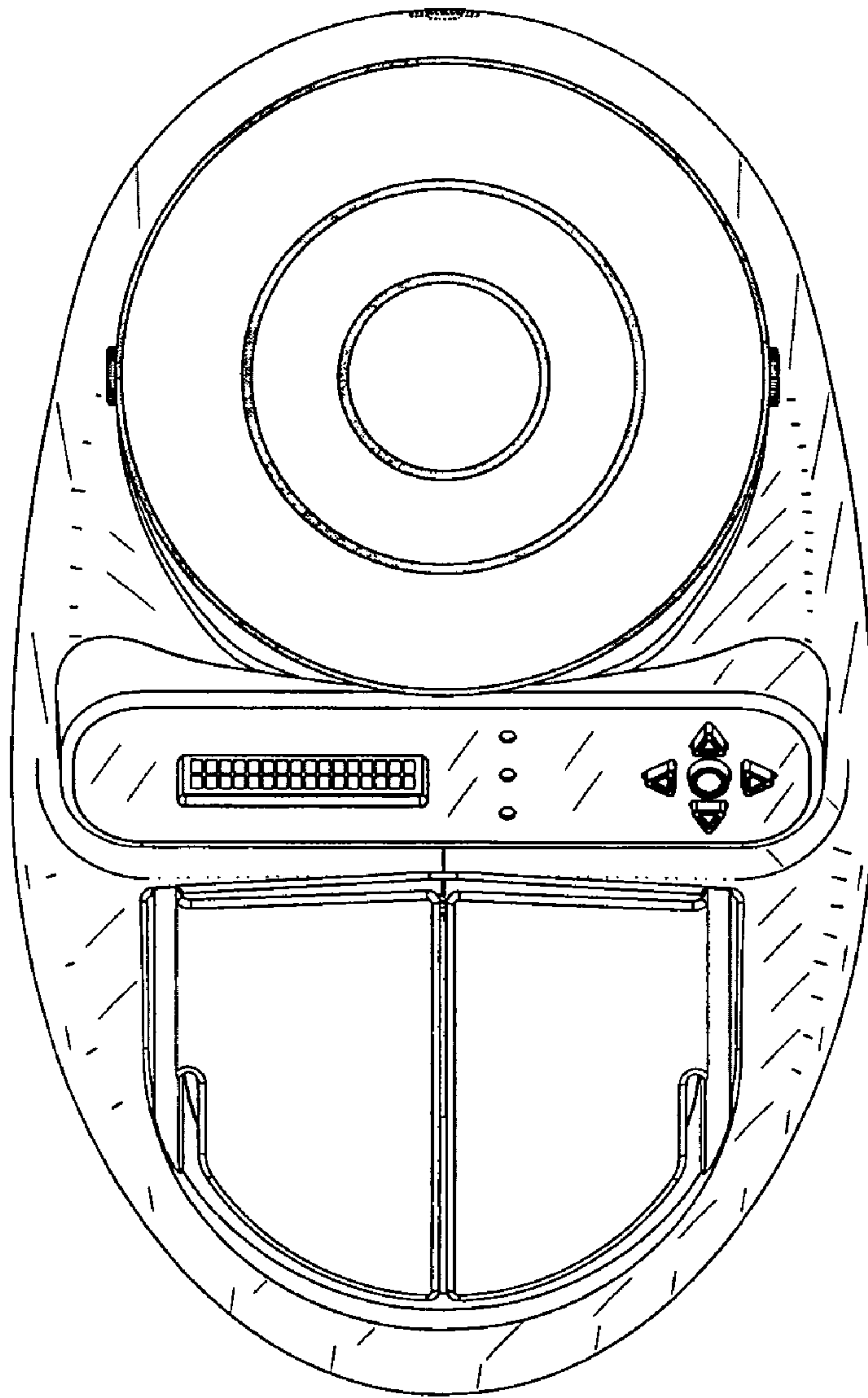


FIG. 4

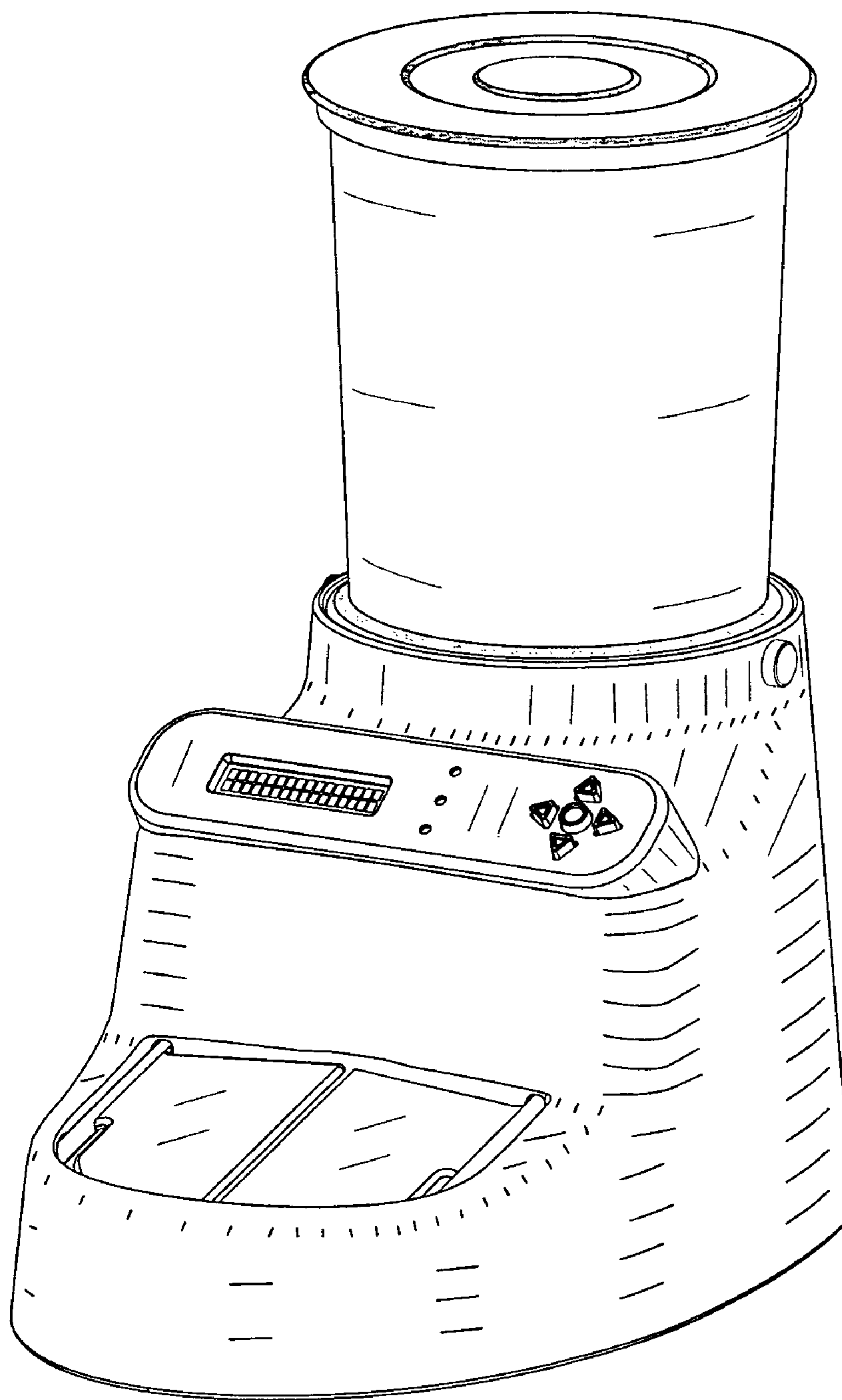


FIG. 5